

Cornell Chronicle

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Thursday, May 15, 1986

Networking

This issue of Chronicle contains a four-page pullout section of Networking, publication by and for employees.



Pigeons take wing at the opening of an exhibition of the works of artist Joyce Cutler-Shaw, who applauds their flight in the background. The release of pigeons is a trademark of the artist, symbolizing her definition of the artist as a "messenger of human events, survival, and life's fragility." The exhibit, "Wingtrace—The Sign of Its Track," runs through June 22.

Urie Bronfenbrenner Will Head Professors-at-Large Program

Urie Bronfenbrenner, international authority on child rearing and a founder of this nation's Head Start program, has been named director of Cornell's Andrew D. White Professors-at-Large Program.



Bronfenbrenner

A member of the Cornell faculty since 1948, Bronfenbrenner will assume the part-time position on July 1, for a three year term. He succeeds Jon Stallworthy, the John Wendell Anderson Professor of English, who is leaving Cornell this June to take a faculty position at Oxford University.

In announcing the appointment of Bronfenbrenner, President Frank Rhodes said, "I can think of no one more appropriate than Urie Bronfenbrenner to guide the future of the Andrew D. White Professors-at-Large Program, a program that has contributed so greatly since its inception in 1965 to the cultural and intellectual dialogue Cornell conducts with the world at large. It is an international dialogue to which Urie has contributed in so many ways for nearly four decades. I am delighted he has accepted the directorship and look forward with great anticipation to the next few years, given the special perspective he undoubtedly will bring to the program."

To date, 71 of the world's most distinguished scholars, scientists, artists, and men and women of public affairs have served — usually six-year terms — as Andrew D. White Professors-at-Large. No more than 20 persons are to hold that title at a given time in the program named for the university's founding president.

This who's who of international academic and cultural significance has included five Nobel Prize winners and popular personages such as Italian film director Michelangelo Antonioni, economist Kenneth Boulding, astronomer Sir Fred Hoyle, biologist Barbara

McClintock, philosopher Saul A. Kripke, poet Adrienne Rich, educator Sir Eric Asby, author Eudora Welty, plant breeder Norman Borlaug, and anthropologist Louis Leakey.

During their tenure, the professors-at-large make periodic visits to campus, giving public lectures, conducting seminars, and being available to students and faculty for consultation.

A number of former A.D. White professors occasionally return to campus to give lectures and take part in a continuing dialogue with students and faculty.

During the current academic year, 13 A.D. White professors-at-large have spent a total of 23 weeks on campus giving lectures and seminars, and meeting informally with students and faculty, said Stallworthy, director since 1983.

The British-born poet said that "over the years the program has fulfilled its purpose of bringing to this relatively isolated campus some of the world's most original minds. It is an admirable adaptation of its namesake's strategy of building the university's faculty around a group of internationally renowned scholars."

"There is little question," he said, "that Urie Bronfenbrenner will build on the outstanding accomplishments of the program over the past years to guide it to even greater levels of significance for life at Cornell. The university could have entrusted the program to no one more qualified than Urie."

Bronfenbrenner, the Jacob Gould Schurman Professor of Human Development and Family Studies in the College of Human Ecology, holds a joint appointment as professor of psychology in the College of Arts and Sciences. He is known internationally for his cross-cultural studies of the family, particularly in the area of child rearing.

Perhaps his best known book is "Two Worlds of Childhood: U.S. and U.S.S.R.," first printed in 1970. Born in Moscow in 1917, Bronfenbrenner came to this country in 1923. He holds an A.B. (1938) from Cornell, an Ed.M. degree (1940) from Harvard University, and a Ph.D. (1942) from the University of Michigan.

Statler Inn Will Close 2 Years for Renovations

Move Will Displace 100-Plus Employees

Expansion and renovation of Cornell's Statler Inn will disrupt business and may displace more than 100 employees over the next two years, beginning August 17.

Officials of the School of Hotel Administration and University Personnel Services say they expect most of the clerical, service and maintenance, and other employees will be placed in other jobs on campus.

"The fair treatment of employees during this construction period is a very high priority for all of us," according to John F. Burnett, vice president for university relations.

A special task force involving hotel school administrators and the university personnel office already is trying to reassign employees on campus.

Current employee levels at the inn include 23 clerical workers, 68 service and maintenance staff who are members of the United Auto Workers, and 21 exempt (administrative) employees, a total of 112.

Another 250 student employees and 42 temporary workers also will be affected

while the 36-year old inn is completely renovated.

As of Wednesday (May 14), about 10 UAW members were told they would be staying at Statler during the project, while another 35 to 40 will be assigned to jobs elsewhere on campus, according to E. Peter Tufford, manager of employee relations at Cornell, and Al Davidoff, president of the UAW local.

As many as 30 bargaining unit members face possible layoff in August.

They include current Statler workers and employees elsewhere on campus who will be displaced by Statler workers with more seniority.

"Our top goal is to see that everybody is employed, and I'm optimistic," Davidoff said.

Of the 23 clerical workers, 16 already have been interviewed by Personnel Services and seven of those have been interviewed by campus units, Tufford said. There are currently

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Widow of Former Egyptian President Will Lecture Here

Jehan Sadat, widow of former Egyptian President Anwar Sadat, will lecture on "Women's Role in Gaining Peace in the Middle East" June 13 at the university.

Her talk will begin at 4 p.m. in Bailey Hall. Mrs. Sadat will be the 1986 Frank Stanley Beveridge



SADAT

Foundation Lecturer as part of reunion activities in Cornell's Johnson Graduate School of Management. Admission to her lecture is by ticket only.

The former first lady, who has taught at Cairo University where she is pursuing a Ph.D. in Arabic literature, is currently teaching and conducting research at the University of South Carolina.

Her husband, who was president of Egypt from 1970 until his assassination in 1981, promoted peace with Israel and signed the first peace treaty between those two nations in 1979. Since his death, Mrs. Sadat has continued to work toward peace in the Middle East.

"I overcame the tragedy by feeling I did work that would please my husband," she told the Boston Globe. "My children cried. They often cried. I said to them: 'Don't cry.

Let him see us going on, going forward.'" "My husband died, but his legacy of peace goes on forever."

In 1975, Mrs. Sadat headed the Egyptian delegation to the International Women's Conference in Mexico City and in 1976 she supported a new civil rights law giving more rights to women in Egypt. In 1977, she began S.O.S. Children's Villages in Egypt to help give needy orphans a family life.

She holds 10 honorary degrees and has received more than a half-dozen international awards from The Rotary Foundation, Italian Red Cross, U.S. Department of Health and Human Services, and other organizations.

The Frank Stanley Beveridge Foundation Lecture was established in 1981 to bring distinguished government leaders and others to Cornell. Previous speakers were journalist William F. Buckley Jr., former Secretary of State Henry A. Kissinger, former President Gerald R. Ford, former West German Chancellor Helmut Schmidt, and former French President Valéry Giscard d'Estaing.

Other reunion activities in Cornell's Johnson Graduate School of Management include seminars on managing personal wealth and on product liability.

A limited number of tickets to Sadat's lecture will be available to the public on a first-come, first-served basis from 9 to 11 a.m., June 10, in the third-floor foyer of Malott Hall.



Springfest drew this crowd of students to its new location on North Campus on the last day of classes last Friday.

PEOPLE

Faculty Will Honor Retiring Colleagues Next Wednesday

Members of the Cornell University faculty will honor 32 retiring colleagues at a recognition ceremony Wednesday, May 21.

The annual event, which traditionally takes place at the final meeting of the university faculty each academic year, is highlighted by statements presented by an associate in honor of each retiree. This year's ceremony is scheduled for 4:30 p.m. in Bache Auditorium of Malott Hall.

Those being honored this year have nearly ten centuries of service to Cornell according to Dean of Faculty Joseph B. Bugliari.

Honorees include all faculty members who have retired since September 1, 1985, or who will retire by August 31, 1986. They are:

- Christopher Bull, professor of clinical medicine;
- Harold R. Capener, professor of rural sociology;
- W. David Curtiss, professor of law;
- William Tucker Dean, professor of law;
- John W. DeWire, professor of physics, university ombudsman;
- Howard E. Evans, professor and chairman, veterinary anatomy, faculty trustee;
- Julius Fabricant, professor of avian medicine;
- Walter T. Federer, Liberty Hyde Bailey Professor of Biological Statistics;
- Paul L. Gaurnier, professor of hotel administration;
- Harry G. Henn, the Edward Cornell Professor of Law;
- R. Brian How, professor of agricultural economics;
- Donald L. Jewett, professor of extension education;

- Robert B. Jones, professor of linguistics;
- Frank V. Kosikowski, professor of food science;
- Simpson Linke, professor of electrical engineering;
- Russell E. MacDonald, professor of biochemistry, molecular and cell biology;
- Leonard R. Mattick, professor of food science and technology;
- John McCoy, professor of linguistics and Chinese literature;
- Robert E. McDowell, professor of animal science;
- Roy L. Millar, professor of plant pathology;
- Mary E. Purchase, professor of textiles and apparel;
- William F. Rochow, USDA plant pathologist and professor of plant pathology;
- Joseph L. Rosson, professor of electrical engineering;
- Edward A. Schano, professor of poultry and avian sciences;
- W. Frank Shipe, professor of food science;
- Benjamin M. Siegel, professor of applied and engineering physics;
- Julian C. Smith, professor of chemical engineering;
- John R. Stamer, professor of food science and technology;
- Bruce Wallace, professor of genetics and development;
- Jean Warren, professor of consumer economics and housing;
- Dwight A. Webster, professor of natural resources; and
- M. Vivian White, professor of textiles and apparel.

33 Seniors Presidential Scholars

Thirty-three graduating seniors will be cited Tuesday, May 27, as Presidential Scholars, marking the third year of the program.

Nominated by the deans of Cornell's schools and colleges for outstanding scholarship achievement, the seniors exhibit "qualities of intellectual curiosity, energetic leadership and ... potential for contributing to the betterment of society."

They will be honored during an 11:30 a.m. ceremony on the sixth floor of the Johnson Museum of Art.

They will be joined by Cornell faculty members who the students believe have made the most significant contribution to their education. In addition, the Presidential Scholars will honor the high school educators who inspired their academic pursuits; tributes written by the scholars will appear in the convocation program, which will be sent to the teachers.

The 1986 Presidential Scholars, and the Cornell faculty members being honored, are (by college):

Agriculture and Life Sciences

- Joy A. Auerbach, who named Margaret J. Hubbert, lecturer in agricultural economics;
- Martin N. Bemis, who named Robert G. Mower, professor of floriculture and ornamental horticulture;
- Dorothy R. Carter, who named Roger T. Trancik, associate professor of landscape architecture;
- Michael E. Dym, who named Charles C. McCormick, assistant professor of animal nutrition in poultry and avian sciences;
- Victoria A. Greenfield, who named

Daniel G. Sisler, professor of agricultural economics;

- K. Louise Hanson, who named Mariana F. Wolfner, assistant professor of developmental biology;
- Jay S. Nydick, who named Kenneth L. Robinson, professor of agricultural economics;
- Lori Y. Silvern, who named Elizabeth B. Keller, professor of biochemistry; and
- David C. Van Metre, who named R. Dean Boyd, associate professor of animal science.

Architecture, Art, and Planning

- Heidi Chers, who named Elisabeth H. Meyer, assistant professor of art; and
- Charles Eldred, who named Val Warke, associate professor of architecture.

Arts and Sciences

- Robert N. Ashcroft, who named Richard V. E. Lovelace, professor of applied and engineering physics;
- Alison D. Doppelt, who named Louis M. Falkson, lecturer in economics;
- Susan J. Elliott, who named Archie R. Ammons, the Goldwin Smith Professor of Poetry and professor of English;
- Denise E. Freed, who named Anthony W. Knapp, professor of mathematics;
- Mary Goodenough, who named Patricia J. Carden, professor of Russian literature;
- Mark D. Hansen, who named Alain A. Lewis, visiting assistant professor of mathematics;
- Miriam R. Reshotko, who named N.

Continued on Page 5



More than 300 people turned out last weekend for the two-day symposium honoring James E. Turner, director of the Africana Studies and Research Center for the past 17 years. Sonia Sanchez (left), Gwendolyn Brooks, and Turner review a commemorative booklet presented to Turner by faculty at Syracuse University.

Cooke Elected Faculty Trustee

J. Robert Cooke, professor of agricultural engineering, has been elected to a four-year term on the university Board of Trustees, effective July 1.

A member of the Cornell faculty since 1966, Cooke will succeed Howard E. Evans, professor of veterinary anatomy. Cooke joins three other faculty members on the board — Mary Beth Norton, professor of history, Olan D. Forker, professor of agricultural economics, and George G. Reader, the Livingston Farrand Professor of Medicine.

Cooke was elected through mail balloting of the university faculty this spring, according to Dean of Faculty Joseph B. Bugliari. Out of 1,500 faculty members, 574 cast ballots for three candidates. Cooke received 314 votes.

Cooke, who is in the College of Agriculture and Life Sciences, is a specialist in the application of mathematics to engineering problems, particularly in agriculture, including fruit harvesting, the mechanics of plant growth, and the movement of water through plants.

He was director of instruction for the College of Agriculture and Life Sciences from 1977 to 1982. In 1982-84, he was chairman of the University Computer Board, which has been concerned with major reorganization of computing at Cornell.

Since 1980, he has served as university marshal for the academic procession at commencement. In 1971-72, he was speaker of the second Cornell University Senate, the university's campus-wide governance system at the time.

He earned the B.S. (1961), M.S. (1964), and Ph.D. (1966) degrees from North Carolina State University.

Cooke is the first faculty member to be elected to the board under revisions of the university charter made in 1984, which will cut faculty representation on the board from five to two by 1988.

The term currently held by Dr. Reader will not be filled when it expires in 1987. Only one person will be elected to fill the terms of Norton and Forker, which both expire June 30, 1988.

In 1988, when all the 1984 revisions become fully effective, board membership will have been cut from 62 to 42 members. The board will consist of eight alumni, two students, two faculty, one employee, one life member (a direct descendant of Ezra Cornell, founder of the university), three members appointed by the Governor of New York State, 21 members elected by the board (with at least two each from the fields of business, agriculture, and labor), and four ex-officio members.

NAE Elects Two Cornellians

Four of the 79 newest members of the National Academy of Engineering are Cornell professors Lester F. Eastman and C.L. Tang, former professor George L. Nemhauser, and Rowland W. Redington, a 1951 Ph.D. recipient in experimental physics.

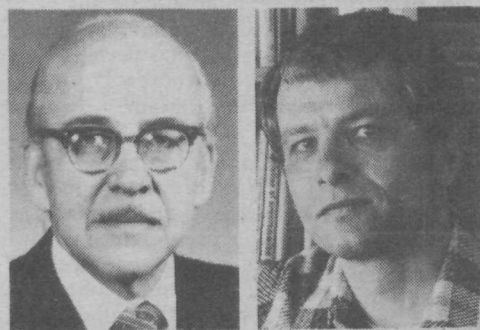
A story in the March 20 Chronicle described the research and teaching of Eastman, the John LaPorte Given Professor of Engineering, and Tang, the Spencer T. Olin Professor of Engineering.

This week, we profile Nemhauser, now at the Georgia Institute of Technology, and Redington, manager of the Medical Diagnostics Systems Branch of General Electric Co., for their "important contributions to engineering theory and practice."

Nemhauser, who has been the Leon C. Welch Professor of Engineering at Cornell, will become the chairman of industrial and engineering systems at Georgia Institute of Technology this fall.

A specialist in integer and combinatorial optimization, Nemhauser earned the Ph.D. degree (1961) from Northwestern University, taught at the Johns Hopkins University, and came to Cornell in 1969. From 1977 to 1983, he was director of the School of Operations Research and Industrial Engineering.

Nemhauser has served as president of the Operations Research Society of America and



REDINGTON

NEMHAUSER

as editor or founding editor of several professional journals.

Redington, a pioneer in the development of computed tomography scanners, now leads GE's research and development efforts in nuclear magnetic resonance (NMR) imaging and in vivo NMR spectroscopy. He was program manager during development of the General Electric computed tomography (CT) scanner, which has become a standard medical diagnostic tool.

The holder of 22 patents, Redington has been involved in General Electric research on vidicon television camera tubes, high-resistivity photoconductors, infrared television systems, and the Epicon silicon diode array camera tube.

Wallace Appointed Professor Emeritus

Bruce Wallace has been appointed professor emeritus of genetics and development.

Wallace retired from Cornell in 1981 and accepted a position at Virginia Polytechnic Institute, where he is a professor of biology and a University Distinguished Professor.

A specialist in population genetics, he is the author of a number of books on the subject, including "Chromosomes, Giant Molecules, and Evolution" (1966) and "Topics in Evolution Genetics" (1968), and is the author of more than 100 articles.

Wallace joined the Cornell faculty in 1958 after having been a geneticist for 10 years at

the Cold Spring Harbor Biological Laboratory (NY).

He has been president of the American Society of Naturalists (1970), the Genetics Society of America (1974), and the Society for the Study of Evolution (1974). He has been a member of the National Academy of Sciences since 1970. He received an Alexander von Humboldt Senior American Scientist award for 1986-87.

He earned the A.B. (1941) and Ph.D. (1949) degrees from Columbia University.

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Department of Public Safety

Dilemma: Safety Officers Meet All the 'Bad Apples'

This is the second of three articles on the Department of Public Safety.

By ELAINE MAIN

Officers enter public safety with an altruistic goal: Let's improve humanity. Soon, they must learn how to live with the reality of constant disobedience to law.

"For most officers, it takes four years for disillusionment to set in," said Randall Hausner, assistant director of the university's Department of Public Safety.

Disillusionment comes from constant exposure to cases the rest of us want to see on television for an hour only. At the end of that hour, we want cases solved. Usually, the cases depict the seamy side of life—muggers, breaking and entering artists, prostitutes, child molesters. They can create cynical attitudes.

"You feel the whole world is a sewer, and no one understands what you're going through," according to the journal Law Enforcement Communications.

This disillusionment shows up in the attrition rate of public safety personnel. Cornell officers average seven years on the job. Hausner said that during the past 10 years 73 police employees have left the staff that has an average compliment of 75. Training and experience are lost with each resignation; however, a survey shows that Cornell's attrition rate is half that of law enforcement personnel at other universities in New York State.

William D. Gurowitz, vice president for campus affairs, said the turnover rate also proves that public safety hires good people and trains them well.

"Other agencies hire them away," he said. "The turnover rate among university service officers is high. That is an entry-level position, and officers must wait at least three years before they can become patrol officers. We often lose them during those years."

Public safety employees grapple with other emotional dilemmas. How should they handle their emotions during emergencies? Must emotions be stifled?

"We see some very bad scenes," Hausner said, "and they are particularly hard to deal with when they involve children."

"Some scenes you never forget. I remember trying to get a woman out of an automobile after an accident. We would move her and she would moan, and we'd move her again and she would moan some more. You do anything and everything you can to control your emotions, but"

"In training, we don't say you can't cry or you can't throw up, but we do imply that you should not show emotions."

William McDaniel, director of Cornell's

public safety department, said, "I'm not sure what makes it or breaks it for officers. What works is different for different people. Some hold it in, and they get criticized for being cold."

"For example, a parent will say, 'My son was lying there bleeding, and you acted like you didn't care.'"

McDaniel said, "Police officers must build some kind of shell to hold emotions inside, so they can function effectively on the job."

As an officer learns to hold things inside, the inevitable happens.

"I call it the John Wayne syndrome," McDaniel said. "You enter the job with all kind of fantasies about the good you will do, and soon this police personality develops. It's a mixture of two things — the kind of cockiness that the public expects from a police officer and the public expectation that an officer will not cry or become emotionally upset because someone is hurt."

Officers hold more than their emotions inside. While they are on the job, they are also expected to remain neutral to issues.

Al Jenkins and other Cornell patrol officers were objects of catcalls when they preceded the bus full of arrested divestment protesters through Collegetown one year ago. Jenkins said he was "anxious," and the name callers didn't know that he, too, opposes apartheid.

"My being black, I probably had more empathy than others on the force. But I'll bet 60 to 65 percent of the department sympathizes with feelings about divestiture," Jenkins said.

The fact that patrol officers carry weapons creates additional emotional baggage that officers must swallow and hide. Many know that some of Cornell's public safety officers — those who have been promoted to patrol officers — carry a lethal weapon that can destroy life. What the public doesn't know is that since all patrol officers were armed in 1969, the only place where guns have been



Part of Cornell's public relations front line is public safety officers — the first faces visitors meet. William McDaniel (right), director of Cornell's public safety department, shows Joe Carsello, university service officer, the new location for the Barton Hall traffic control booth. Next fall, it will be moved beside Carpenter Hall, and an additional booth will be installed at the new parking garage.

fired by Cornell's officers is on the firing range.

"One supervisor left the department because he could not reconcile the possible use of deadly physical force," Hausner said. "After thinking about it for several months, he decided that the law is very specific about when guns can be used. He returned to the department at the lowest level and worked himself back up to supervisor."

At first, Vice President Gurowitz didn't like the idea of officers carrying guns on campus.

"Just looking at recent cases, like the double homicide in the dorm," he said, "I see why officers need them. When officers respond to emergencies, they don't know what

they are facing. It could be armed burglars."

"Given the amount of training we provide officers who carry guns and the rules and regulations we have for even drawing the weapons, I think guns are acceptable."

Emotional strains cause law enforcement officers to want to unwind with other law enforcement personnel, thus they gather for "choir practices" at their favorite local establishments.

McDaniel said, "Police officers feel they are the only ones who can understand the pressures. Even their friends mistreat them, kid them, joke about them, make unkind remarks. It puts police officers on the defensive, so they hang out with other officers who talk the same language and share the same experiences."

Yet, the worst thing that can happen to an officer is to associate only with other police officers, McDaniel admitted. It creates tunnel vision — just like the scientist who knows nothing about music and art.

"Police officers need an image of people based on wide experiences with others. Otherwise, they stereotype people."

That's a hint to the campus community to go ahead and drink a cup of coffee or a beer with an off-duty officer. Behind the badge will be a grateful friend.

Next: Stress; how far will Public Safety officers stretch?

How Do 'Customers' Rate the Service?

Overall impression: 86 percent positive; 0 negative; 14 percent no response
Courtesy: 62 percent excellent; 33 percent good; 0 fair or poor; 5 percent no response
Level of competence: 47 percent excellent; 44 percent good; 3 percent fair, 0 poor; 6 percent no response
Promptness: 85 percent prompt; 5

percent not prompt; 10 percent no response

Your confidence in Public Safety Department: 54 percent a great deal; 30 percent some; 0 very little or none; 10 percent no opinion

This information was compiled from surveys completed by 92 people whom Cornell's Public Safety Department served during 1984-85.

National Conference Will Open New Mathematical Sciences Institute

About 150 mathematicians and scientists from around the United States will gather at Cornell May 27-30 for a conference on applied mathematics and computing.

The conference will open Cornell's new Mathematical Sciences Institute. Beginning this fall, the institute will support the largest collection of scientists conducting basic mathematical research in the United States.

"Discoveries in physics, chemistry, computing, and other sciences all turn in part on mathematics and its applications," said Geo-

ffrey S.S. Ludford, professor of applied mathematics at Cornell and director of the institute.

"For years, research in applied mathematics has been poorly funded in comparison to other sciences. This institute will bring together top researchers in applied analysis, physical mathematics, numerical analysis, computing, statistics, and applied probability," he said.

"This effort will serve as a national focal point for comprehensive, integrated, funda-

mental research in these and other areas."

The Mathematical Sciences Institute, known as MSI, is supported by a five-year, \$12.5 million grant from the U.S. Department of Defense through the Army Research Office. The national conference opening MSI is the fourth annual Army Conference on Applied Mathematics and Computing.

MSI began business operations Jan. 1. Beginning June 1, it will support research by 25 Cornell faculty members and 21 graduate students as MSI fellows, 14 visiting post-doc-

toral fellows, and other visiting scholars.

Institute participants will perform basic mathematical research with potential application to problem solving in the sciences, Ludford said. The researchers' work will be reported to the Army, but the scholars will not perform classified or mission-specific research; all findings will be published in the open literature.

Speakers during the four-day Army conference and MSI opening will include two Nobel laureates — Cornell professor Kenneth G. Wilson, the 1982 winner in physics, and Herbert Hauptman, director of the Medical Foundation of Buffalo and the 1985 winner in chemistry.

Among the invited guests will be J.R. Sculley, assistant secretary of the Army, and research directors at the Pentagon.

More than 80 technical papers by 120 authors will be presented during the conference on topics such as statistics and data analysis, solid and fluid mechanics, artificial intelligence, and computational vision and image processing.

After the conference, MSI will host nine technical workshops during the 1986-87 academic year. About 25 mathematical scientists, including some from Europe, are expected to attend each of the nine sessions. In addition, MSI will send 14 Cornell faculty members to Army installations around the country during 1986-87 to give short courses on mathematical topics.

A conference-MSI dinner will be held in the Statler Ballroom on campus at 7 p.m. Tuesday, May 27. Members of the Cornell community who wish to attend can do so by making reservations with Diana Drake at 255-8005 by May 20. Tickets are \$13. The dinner speaker will be Nobel laureate Hauptman.

Conference Will Explore Implications of Technology

Can technological advances in computers and other areas lead to a second Renaissance that will drastically alter what man knows and thinks about himself and his world?

How should society allocate its scientific resources so that it will be best prepared to cope with health crises? How can it make those decisions in a timely fashion to achieve the greatest possible benefit?

Three Cornell professors, including a Nobel laureate and an adviser to President Carter, will discuss supercomputers, AIDS, and government intervention in an attempt to answer those questions during a national symposium on science, technology, and public policy in Washington, D.C., May 20.

"Technology will ultimately determine public policy," says Alfred E. Kahn, President Carter's inflation fighter and former

chairman of the Civil Aeronautics Board. "We can't have a policy that conflicts with the driving force of technology."

"But government must intervene to help shape the direction of technology to ensure that social needs are met," adds Kahn, who is the Robert Julius Thorne Professor of Political Economy at Cornell.

Kahn will discuss "The Tyranny of Small

Public Policy."

Kahn will be joined by 1982 Nobel Prize-winner Kenneth G. Wilson, director of the national supercomputing center at Cornell, who will discuss "Supercomputers and the New Renaissance;" and Robert Michels, M.D., the Barklie McKee Henry Professor and chairman of the psychiatry department at the Cornell University Medical College, who will discuss "The Politics and Ethics of Allocating Resources for Research: The Case of AIDS."

More than 400 people, including several members of Congress and staff members of science- and technology-related committees, Cornell alumni, and others are expected to attend the three-hour symposium at the National Academy of Sciences Building.

Cornell's supercomputer director Wilson plans to tell his audience that the growing computer revolution is launching a Renaissance similar to the renewed interest in scientific inquiry and the spread of education that rose from the development of the printing press.

Continued on Page 5



KAHN



WILSON



MICHEL

Decisions and the Perils of Big Ones" at the May 20 symposium, which is titled "Allocation, Ethics, and Innovation in Research and

Calendar

All items for publication in the Calendar section, except for seminar notices, should be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 531 Willard Straight Hall, who prepares the Calendar notices for these listings. She must receive the notices at least 10 days prior to publication. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the calendar in which it should appear (lectures, dance, music, etc.).

Seminars only should arrive at the Chronicle office, 110 Day Hall, no later than noon Friday prior to publication.

All deadlines will be strictly enforced.

*Admission charged.

Announcements

E.A.R.S.

Empathy, Assistance and Referral Service (EARS) has expanded its hours. Friday hours have been extended from 7-11 p.m. to 5-11 p.m. Regular hours Sunday through Thursday, 3-11 p.m. and Saturday, 7-11 p.m. continue unchanged. E.A.R.S. provides short-term peer counseling on a walk-in as well as telephone basis. EARS is located in 211 Willard Straight Hall, and the phone number is 255-EARS. All services are free and completely confidential.

Writing Workshop

Writing Workshop Walk-in Service. Free tutorial instruction in writing. Mon.-Thurs., 3:30-6 p.m. & 7:30-10 p.m.; Sun. 3-8 p.m., 174 Rockefeller Hall and Sun.-Thurs. 10 p.m.-midnight in 340 Goldwin Smith Hall.

Alcoholics Anonymous

Faced with a drinking problem? Perhaps Alcoholics Anonymous can help. Open AA meeting every Monday, Tuesday, and Thursday at noon in the Anabel Taylor Hall Forum and every Wednesday at noon in 314 Anabel Taylor Hall.

Faculty Tennis Club

The Cornell Faculty Tennis Club will soon begin its 1986 season. Membership on an annual fee basis is open to faculty and staff and members of their immediate families. The Club maintains eight courts for members only from May to September. Information and applications for membership are available from the Club secretary, Michelle Bogard, 120 Baker Laboratory.

Exit Interviews for May Graduates

Students who expect to graduate in May and who have received student loans from Cornell must attend an exit interview meeting. Meetings will be held throughout the month of May. Appointments must be made by calling 255-7234. Students will not receive either a diploma or a transcript if they fail to attend.

Informational Meetings for GSL Recipients

An informational meeting will be held Thursday, May 15, 9:05 a.m., in Uris GR94 to discuss your rights and responsibilities after you leave Cornell. For appointments, please call 255-7234.

Cornell Sailing Club

The Cornell Sailing Club is open to the Cornell and Ithaca communities and accepts members of all levels of competency. Sailing lessons are offered for those who have never sailed as well as for more experienced sailors who wish to improve their skills. The Club is located at Myers Point and is open from May 25th to September 28th. Please call Nigel Quinn, Vice-President Membership, at 255-6049 or 255-1880 (evenings) for further information.

Dance

Cornell Folkdancers

The Cornell Folkdancers will meet in the North Room of Willard Straight Hall on Sundays throughout May. Instruction from 7:30 to 8:30 followed by request dancing until 10:30 p.m. Free. Beginners welcome. No partners needed. For more information call 257-3156.

Exhibits

Herbert F. Johnson Museum

"Masters of Contemporary Art in Poland," through May 18; "Pen, Brush, and Folio: The Art of the Medieval Book," through June 1; "Fukusa: Japanese Gift Covers from the Shojiro Nomura Collection," through June 15; "Michael Baum," through June 15; "Wingtrace/The Sign of Its Track," through June 22. The Museum is located on the corner of University and Central avenues. The Museum is open Thursday through Sunday, 10 a.m.-5 p.m. Admission is free. Please call 255-6464 for further information.

Films

Unless otherwise noted, films are sponsored by Cornell Cinema.

Thursday

May 15, 8 p.m. *Uris Hall Auditorium. "Maedchen in Uniform," (1932), directed by Carl Froelich. Co-sponsored with the Language House.

Friday

May 16, 8 p.m. *Anabel Taylor Auditorium. "Joshua Then and Now," (1985), directed by Tod Kotcheff with James Woods and Alan Arkin.

May 16, 10 p.m. *Uris Hall Auditorium. "Nightmare on Elm Street," (1984), directed by Wes Craven with John Saxon.

May 16, Midnight. *Uris Hall Auditorium. "Tommy," (1975), directed by Ken Russell with Ann Margaret, Roger Daltrey and Oliver Reed.

Saturday

May 17, 7:30 p.m. *Uris Hall Auditorium. "Nightmare on Elm Street."

May 17, 8 p.m. *Anabel Taylor Auditorium. "Alamo Bay," (1985), directed by Louis Malle

with Ed Harris, Amy Madigan and Ho Nguyen. May 17, 9:30 p.m. *Uris Hall Auditorium. "Sheer Madness," (1985), directed by Margaret Von Trotta with Hanna Schygulla and Angela Winkler.

Sunday

May 18, 8 p.m. *Uris Hall Auditorium. "The African Queen," (1951), directed by John Huston with Katherine Hepburn and Humphrey Bogart.

Monday

May 19, 8 p.m. *Uris Hall Auditorium. "The Road Warrior," (1981), directed by George Miller with Mel Gibson and Bruce Spence.

May 19, 10:15 p.m. *Uris Hall Auditorium. "The Road Warrior."

Tuesday

May 20, 8 p.m. *Uris Hall Auditorium. "Dona Flor and Her Two Husbands," (1977), directed by Bruno Parreto with Sonia Braga and Jose Wilker.

Wednesday

May 21, 8 p.m. *Uris Hall Auditorium. "The Great Escape," (1963), directed by John Sturges with Steve McQueen, James Garner and Richard Attenborough.

Thursday

May 22, 8 p.m. *Uris Hall Auditorium. "The Hour of the Wolf," (1968), directed by Ingmar Bergman with Liv Ullman and Max von Sydow. Co-sponsored with the Scandinavian Club.

Friday

May 23, 7:30 p.m. *Uris Hall Auditorium. "My New Partner," (1985), directed by Claude Zidi with Philippe Noiret and Thierry Chermite.

May 23, 10 p.m. *Uris Hall Auditorium. "Crimes of Passion," (1984), directed by Ken Russell with Kathleen Turner and Anthony Perkins.

Saturday

May 24, 7:30 p.m. *Uris Hall Auditorium. "Crimes of Passion."

May 24, 9:45 p.m. *Uris Hall Auditorium. "My New Partner."

Sunday

May 25, 8 p.m. *Uris Hall Auditorium. "The Lion in Winter," (1968), directed by Anthony Harvey with Katherine Hepburn and Peter O'Toole.

Music

Every Sunday

Anabel Taylor Edwards Room, 9 p.m. Sing with the Makhela Hebrew Choir.

Religious Services

Catholic

Every Saturday, 5:00 p.m. Anabel Taylor Auditorium. Mass.

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

Mon.-Fri., 12:15 p.m. Anabel Taylor Chapel. Daily Mass.

Christian Science

Every Thurs., 7 p.m. Anabel Taylor Founders Room.

Episcopal (Anglican).

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

Great Commission Students

Every Sunday, 10:30 a.m. Multi-Purpose Room, Robert Purcell Union.

Worship Service.

Every Wednesday, 7:30-8:30 p.m. G-03 Founders Hall. Discussion group/fellowship.

Jewish

Daily Minyan. Mon.-Fri., 7:30 a.m.; Sun., 8:30 a.m. Young Israel House, 106 West Ave.

Every Friday, 5:30 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian).

Every Friday, 5:30 p.m. Anabel Taylor Chapel. Shabbat Services (Reform).

Every Friday, 5:30 p.m. Young Israel House, 106 West Ave. Shabbat Services (Orthodox).

Every Saturday, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox). Kiddush to follow.

Every Saturday, 10 a.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian). Kiddush to follow.

Korean Church

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

Muslim

Monday-Thursday, 1 p.m. Anabel Taylor 218. Friday, 1 p.m. Anabel Taylor Edwards Room.

Protestant

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

Sunday

May 18, 11 a.m. Sage Chapel. Service of Thanksgiving for Year Ended.

Seminars

Seminar notices, unlike other calendar notices, do NOT go to Central Reservations in Willard Straight, but should be delivered to the Chronicle office, 110 Day Hall, in writing by noon Friday before publication. Each notice can be run only once, so on Thursday events please note whether you wish it published the day of the event or the week before. Please include the name and telephone number of someone who can be reached if there are questions.

Biochemistry: "Effects of pH and Microtubule-Associated Proteins on the Structure of Tubulin Protofilaments in Zinc-Induced Sheets," Mike Ro-

May 1986						
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

zycki, Cornell, 12:20 p.m. Thursday, May 15, 105 Riley Robb.

Biochemistry: "Trans-Membrane Signalling Through a Family of GTP-Dependent Regulatory Proteins," Paul Sternweis, Pharmacology, University of Texas Science Center, 4:30 p.m. Friday, May 16, 204 Stocking.

Biochemistry: "Molecular Architecture of a Hormone Precursor Processing Enzyme," or "Molecular Genetics of Calmodulin in Yeast," Jeremy Thorner, Biochemistry, Cal-Berkeley, 4:30 p.m. Friday, May 23, 204 Stocking.

Boyce Thompson Institute: "The Induction of Ethylene Synthesis by Cell Wall Digesting Enzymes," J. D. Anderson, USDA-ARS, Beltsville, Md., 3:15 p.m. Wednesday, May 21, BTI Auditorium.

Genetics and Development: "Molecular Genetics of the R. Locus in Maize," S. Della Porta, Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 4 p.m. Monday, May 19, 135 Emerson.

Microbiology: "Expression of the Anaerobically Inducible Fumarate Reductase of Escherichia Coli," Robert P. Gunsalus, Cal-Los Angeles, 4:30 p.m. Thursday, May 15, 124 Stocking.

Pharmacology: "Endocytosis as a Mechanism for B-Adrenergic Receptor Down-Regulation," John Perkins, Pharmacology, Yale, 4:30 p.m. Monday, May 19, D101L Schurman.

Planning: "Recent Metropolitan Development in China," Reginald Kwok, University of Hong Kong, 12:15 p.m. Friday, May 16, 208 West Sibley.

(Brown bag seminar)

Plant Biology: "Physiological Activities Associated with Hydration: Water in a Dry Seed," Christina Vertucci, Boyce Thompson Institute, 11:15 a.m. Friday, May 23, 404 Plant Science.

Poultry Biology: "Thoughts on the Selenium Needs of Americans," G. F. Combs Jr., Poultry and Avian Science, Cornell, 4:30 p.m. Thursday, May 15, 300 Rice.

Sports

Saturday

May 17, 1 p.m. Hoy Field. Men's Baseball-Hobart (2).

Saturday

May 31 Ithaca Flood Control Channel. Men's Heavyweight Crew-Pennsylvania.

Theatre

Friday and Saturday

May 16-17, 8 p.m. *Statler Auditorium. Two Puccini operas, "Gianni Schicchi" and "Sister Angelica," presented by the Ithaca Opera Association. Tickets are \$8, \$7, and \$5 for senior citizens and students.

Tickets are available at Williams Shoes, Rebop Records, The Corners Deli, Carey's Luggage, and, after May 12, the Statler Box Office. For more information call 272-0168 or 257-7119.

PEOPLE

Watkins Director Of Media Services

David O. Watkins Jr. has been named director of Media Services in the College of Agriculture and Life Sciences and the College of Human Ecology.

Watkins assumed his duties May 1, succeeding D. Christopher Whittle, who has accepted a position on the faculty of Cornell's Department of Communication Arts.

Watkins, who served as associate director of Media Services for four years, has 20 years of experience in media planning and marketing, and graphic design, publications, displays, and other promotional materials. Watkins has worked for Cornell since 1968, when he was hired as the art director for the Educational Television Center.

He has directed the university's Educational Television Center, is media project director of Cornell Cooperative Extension's public awareness efforts, and director of a videotex demonstration project investigating the use of videotex equipment in undergraduate instruction. Watkins will continue his role as director of the Educational Television Center.

Before coming to Cornell, Watkins worked as a publication designer at the Pennsylvania State University. He has served as a media consultant for the U.S. Department of Energy, the New York State Department of Education, other national organizations, and universities.

Watkins holds a bachelor's degree (1967) in applied design from Penn State.

Cornell's Media Services department produces mass media materials to support the research, teaching, and Cooperative Extension efforts of the College of Agriculture and

Barton Blotter

A university service officer was knocked unconscious by an unknown attacker or unknown assailants about 9 p.m. Friday, May 9, while on routine walking patrol on West Campus.

John L. Eckard, 32, a five-year member of the Department of Public Safety, was treated and released at Tompkins Community Hospital for a severe contusion on the forehead and a cut under his left arm caused by a "very sharp instrument, a knife or razor," according to Capt. Daniel N. Murphy of Public Safety.

According to Murphy, Eckard reportedly walked into the darkened hallway in the loading dock area of University Hall No. 5 when he was attacked.

He apparently was unconscious for about 10 minutes before he summoned help. Murphy said Safety is investigating but has not turned up any new information.

In other incidents, according to the morning reports of the Department of Public Safety for the 11-day period from May 1 through May 11, a total of 27 persons and a fraternity were referred to the judicial administrator for disciplinary action.

The fraternity was charged with stealing a pig from Swine Barns on Pine Tree Road. Eighteen of the persons referred to the J.A. were charged with violation of the Regulations for the Maintenance of Public Order in connection with sit-ins at Day Hall.

The other nine persons were charged with separate counts of supplying alcoholic beverage to a minor, criminal mischief (four), forgery (two), petit larceny, and harassment.

Two Ithaca residents were charged with burglary and possession of stolen property in connection with the theft of a \$200 portable stereo from 107 Edgemoor Lane shortly after midnight, May 3. They were identified as Timothy J. Metz of 1975 Danby Road and Jennifer L. Radcliffe of 398 Thomas Road.

Twenty-four thefts of cash and valuables totaling \$5,538 were reported on campus during the 11 day period. These included a \$1,200 computer taken from Carpenter Hall, seven golf ball washers worth a total of \$1,050 taken from the Cornell Golf Course, a \$289 gold ring with "Central States University" imprinted on it taken from the Campus Store, and a \$470 microwave oven removed from the North Campus Residence Hall No. 8.

Ten of the 24 thefts were of cash involving eight stolen wallets. Total cash losses were set at \$285. The largest single amount was \$80 taken from Mallott Hall.

20 Protesters Charged

Twenty protesters were charged by Cornell Public Safety as a result of pro-divestment demonstrations on campus Wednesday, Thursday, and Friday (May 7-9). There were no charges Monday and Tuesday.

The protesters, who were urging Cornell to sell its holdings in companies doing business in South Africa, refused to leave Day Hall when asked to do so by university officials.

Two protesters not affiliated with Cornell were charged with simple trespass; 18 others were charged under the Campus Code of Conduct for allegedly violating the Regulations for the Maintenance of Public Order.

In all, 36 protesters have been charged this semester, some more than once.

Life Sciences and the College of Human Ecology. Media Services will be working cooperatively with the Office of University Relations in its public information efforts.

A&LS Promotes Three In Faculty Rank

Three faculty members in the College of Agriculture and Life Sciences have received promotions.

Brian Chabot and Louis D. Albright were promoted to the rank of full professor, and Charles E. McCulloch to associate professor.

Chabot, who serves as associate director of research for the college and also as associate director of the Cornell University Agricultural Experiment Station, was elected professor of ecology and systematics. As a research administrator, he has provided leadership in planning and coordinating multidisciplinary research programs, including integrated pest management and agroecosystems.

Albright was elected professor of agricultural engineering. He is a specialist in the management and use of energy in agricultural buildings and environmental controls for livestock housing and greenhouses. He has played a key role in developing an energy conservation system that cuts heating costs dramatically for greenhouse operations while maximizing the use of solar energy.

McCulloch was promoted to associate professor of biological statistics. He focuses his research on statistical theory and method, as well as the applications of mathematical statistics in the organization, design, and analysis of experiments in collaborative studies with specialists in a variety of disciplines.

Statler Inn

Continued from Page 1

50 clerical openings on campus. "We're working hard to help place everybody who will be affected by the Statler project," Tufford said. "It's a complicated process, but we're hopeful."

Speaking to employees of Statler Inn Thursday (May 8), John J. Clark, dean of the School of Hotel Administration, said: "The School of Hotel Administration is widely recognized as the premier program of its kind in the world. In order to ensure that we maintain the excellence of our academic programs and that we continue to serve the hospitality industry, it has become clear that the school must have a teaching-practice management laboratory of absolutely first quality. The Statler Inn has served this role well for many years, but it simply no longer can provide the kind and quality of educational training that our students need. We need a modern training facility."

He explained that various options regarding disruption of the operation during the construction period had been explored, but that the architect and the construction management firm reported this week that all the construction options required closing the facility so that preliminary work could begin in September or soon thereafter.

Burness said that final authorization to begin the project still must be obtained from the Board of Trustees.

The \$25 million project, announced last fall, includes new classrooms, laboratories, and offices; expansion and modernization of Statler Inn; and construction of a new conference facility including meeting rooms and a multi-tiered amphitheater.

"The scope of the project, and the length of time needed to complete it, means that for a period of 18 to 24 months, the Statler will be closed. The closing of the inn during the period of construction requires us to notify

all Statler employees that effective August 17, 1986, their status as employees at the Statler Inn will be terminated," Clark said.

One-hundred-day notice was given. The contract with UAW requires 60-day notification of changes affecting members of the bargaining unit.

"We are announcing this decision now because over the next few months a great many jobs will be opening on campus for which the Statler's employees will be eligible," Clark said. "The university's goal is to place each employee affected by the Statler's closing, although we cannot absolutely guarantee that that goal can be achieved."

There could be a ripple effect campus wide for employees in several departments, according to Lee M. Snyder, director of University Personnel Services. The current contract between Cornell and the UAW calls for employees with seniority and appropriate qualifications to displace employees with less seniority.

Any employee who is unable to find another job at Cornell will be eligible for unemployment benefits, and university personnel staff will work with each employee to provide complete information about the options and benefits available during a layoff period.

Clark said that when the Statler reopens, current employees affected by its closing will be given special consideration for employment.

He added that, during construction, student employees should have little or no difficulty in finding jobs on campus or at area hotels and restaurants.

Teaching during the construction period will continue, according to Clark, who said that faculty are seeking alternative locations for courses in the inn that provide students with practical experience in the lodging, food and beverage, and meeting-conference facets of the hospitality industry.



A mime class at last summer's Youth College.

Youth College Has Wide Variety Of Offerings This Summer

Newspaper design for 10-year-olds and wilderness training for 12-year-olds are only two examples of the curriculum for the 1986 Youth College, the young people's branch of Cornell's Adult University (CAU).

"The Youth College combines the best features of a camp with the richness of Cornell's academic environment," according to Helen Hamilton, associate director of CAU and director of Youth College. Approximately 125 children and teen-agers take part each week of the four-week CAU program.

Open to all, local youth ages twelve and under can enroll as commuters; teens can participate as commuters or live on campus with other students in the program.

Summer learning as well as summer fun make up the curriculum, including field trips, demonstrations, crafts, hikes, swimming, and cookouts.

"We work to foster a balance in the Youth College among learning, recreation, and group companionship," Hamilton said.

The four one-week programs begin June 29. Youth College students are divided by age groups.

The Li'l Bears program, for three- to five-year-olds who have not completed kindergarten, will investigate nature, create puppets, make musical instruments, and much more under the guidance of counselors from Cornell's Department of Human Development and Family Studies.

Sprouts, for kindergarten and first-grade graduates, ages five to seven, will spend each day learning about "People and Nature" in

a course specifically designed for their age group.

Junior Cornellians are divided into two age groups. For second- and third-grade graduates, ages eight and nine, there are natural science and ecology field projects developed and conducted by Cornell Plantations staff or a course in riding and horse care. Fourth- through six-grade graduates, ages 10 through 12, select a course in journalism, veterinary anatomy, field study in wilderness living, or riding and horse care.

In the Teens program, designed for ages 13-17, students select from the following: video communications, basic rock climbing, architectural drawing, or tennis workshop. For high school students entering their junior or senior years, there will be a college admissions workshop offered the week of June 29 - July 5 only. The program has been designed by the Cornell admissions office to help students to increase their knowledge about applying and gaining admission to college.

Tuition, which includes the full-day program, lunches, and Friday night dinner, is \$80 for Li'l Bears, \$90 for Sprouts, and \$95 for Junior Cornellians. Resident and commuter rates are available for the Teen program. There is an additional fee of \$70 for the horse care and riding course. Preregistration is required; enrollment is limited.

For more information call or write the CAU office, 626 Thurston Ave., or telephone 255-6260.

Washington Conference

Continued from Page 3

"The new technology could enable profound political change if the public were educated in its use," Wilson says.

For example, imagine the persuasive power of using computer graphics to show the effects of acid rain, rather than trying to convey those effects through words alone, he explains.

"In the Renaissance, as now, there was a delay between the advent of the new technology and the growth of an audience capable of putting that technology to use," Wilson says. "That gap is closing much more quickly now than it did five centuries ago."

Today's leaders must ensure an appropriate balance between basic and targeted research if we are going to be prepared to face tomorrow's health problems, Michels plans to tell the symposium audience.

"The power to enhance health and conquer disease is regarded by the public as one of the most important practical goals of scientific research," he says. "But if AIDS, for example, had appeared in 1961 rather than 1981, much of the research progress we've made would have been impossible. Research explicitly related to a disease is always based upon basic research that preceded it."

Since AIDS surfaced in 1981, more than \$400 million has been spent on AIDS-related research in the United States. "The results of this research investment have been astonishing," Michels says. But programs in hepatitis, influenza, respiratory viruses, cancer, and other diseases have been cut to provide the funding, he adds.

"The biomedical research of the 1960s and

1970s prepared us surprisingly well for the AIDS challenge," Michels says. "Our most important task today may not be simply to respond to that challenge, but to ensure that we are equally well prepared for future unanticipated health crises."

To meet such tasks, former presidential adviser Kahn suggests, society must strike a balance between collective, government-imposed decisions and dispersed, singular economic decisions.

In France, for example, the distribution of free telephone directories has been replaced by a government-subsidized distribution of personal computers that can be used to locate telephone numbers and tap into other information systems. Without government intervention, that step would not have been possible, Kahn says. By intervening, the French government has helped spur greater developments in computer and communications technology.

A similar approach could help the United States regain its competitive economic position, Kahn says. While the government should not be in the business of allocating capital, it should be giving more support to scientific research and education and to providing a stable environment through a reduced deficit and greater investment.

Economic forces, if always left to themselves, can produce "a series of decisions over time, each individually rational, but nevertheless adding up to an irrational total result," Kahn says.

"The technological future cannot be left solely to the tyranny of small, marketplace decisions."

Presidential Scholars

Continued from Page 2

David Mermin, professor of physics; — Henry H. Ting, who named Bruce Gann, professor of chemistry; and — William E. Whyman, who named Peter J. Katzenstein, professor of government.

Engineering

— Damian Costa, who named Michael O. Thompson, assistant professor of materials science and engineering; — Christopher J. Glynn, who named William L. Maxwell, the Andrew Schultz Jr. Professor of Industrial Engineering and professor of operations research and industrial engineering; — Jeffrey P. Lux, who named C. Thomas Wedviesian, assistant professor of mechanical and aerospace engineering; — Susan W. O'Dell, who named Arthur H. Nilson, professor of structural engineering; — Peter C. Raynor, who named Raymond G. Thorpe, professor of chemical engineering; and — Scott A. Ruffner, who named Raphael

Littauer, professor of physics.

Hotel Administration

— Peter H. Bell, who named Roy Alvarez, lecturer in hotel administration; and — Catherine A. Cianfrani, who named Florence Berger, associate professor of hotel administration.

Human Ecology

— J. Garrett Schwendig, who named Jon C. Clardy, professor of chemistry; — Nancy A. Vargas, who named Ronald Beckman, associate professor of design and environmental analysis; and — Debra A. Whitson, who named Urie Bronfenbrenner, the Jacob Gould Schurman Professor of Human Development and Family Studies;

Industrial and Labor Relations

— Marlisa Vinciguerra, who named Henry Louis Gates, Jr., professor of English; and — Jeffrey K. Winikow, who named Philip J. McCarthy, professor of industrial and labor relations.



Laboratory Sapsuckers Off to Count Beaks in the Garden State May 17

Two migrations will coincide Saturday, May 17, when a team from Cornell's Laboratory of Ornithology and teams from 29 other organizations tour the swamps, woods,

and shores of the Garden State for the World Series of Birding.

The height of the birds' spring migration through New Jersey is the occasion for the humans' annual 24-hour birdwatching marathon. Carloads of bird-calling, coffee-drinking map-flappers will try to spot as many species as possible between one midnight and the next. Prizes go to teams that identify the most species.

The Laboratory Sapsuckers, Cornell's team of five from the Sapsucker Woods bird sanctuary near Ithaca, hope to improve on last year's record. In 1985, Cornell and the National Geographic Society tied for first place in the out-of-state competition by counting 163 species. The award went to the Washington, DC-based competitors because they saw their 163rd bird an hour earlier.

A team from New Jersey holds the overall record, 201 species sighted in 1984. That was the first year of the event, which is organized by the New Jersey Audubon Society to benefit wildlife conservation.

At stake — besides Cornell's honor — is funding for the Laboratory of Ornithology. Members and supporters of the lab are asked to pledge token amounts for each species seen by the team. Last year, more than \$8,500 in pledges helped to operate the educational and research programs of the laboratory, which is 90 percent self-supported.

Bonney is the associate editor of the laboratory's magazine, *The Living Bird Quarterly*. Other team members are Charles R. Smith, director of education and information services at the laboratory; Gregory Butcher, director of cooperative research; and two Cornell graduates, Kenneth Rosenberg, now an ornithologist at Louisiana State University, and Michael Braun, a biochemist with the National Cancer Institute.

Those wishing to pledge support to the Cornell bird-counters may contact the Laboratory of Ornithology at 255-5056.

Number 19

Cornell University

University Personnel Services
Day Hall
Ithaca, New York 14853

Please Note:

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the Cornell Chronicle.

Job Opportunities lists current vacancies with the University, consistent with the University's commitment to promotion from within, affirmative action and equal opportunity employment.

Employee Transfer Applications: Em-

ployees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit the form(s) to Staffing Services. Individuals with official University layoff status are given preference in referrals.

Applicants: Applications for employment are available at Cornell University's

Please Post

employment office at East Hill Plaza at the intersection of Ellis Hollow Road and Judd Falls Road in Ithaca, from 9:00 a.m. to 12:00 noon, Monday through Friday. Completed applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca, NY 14853.

This listing is also available on CUINFO, Cornell University's computerized information service. For further details on CUINFO, contact the Information

and Referral Center.

Full-time jobs are 39 hours per week unless otherwise indicated. Jobs listed as SO, U1 and U2 are represented by bargaining units.

May 15, 1986

struction and/or grounds maintenance; minor equipment repair experience desirable.

Minimum Starting Salary: \$6.04/hour

GREENHOUSE WORKER, GR19 (G197)

Farm Services, Geneva

Perform general greenhouse and grounds duties such as ventilating greenhouses, watering plants, transplanting, mixing soil, spraying fumigating, fabricating flats, pruning shrubs and caring for lawns throughout campus. Assist in maintenance work such as replacing broken glass, caulking and painting. Must also be able to substitute for Farm Crew in field work when necessary; serve as a substitute mailman for the station.

Requirements: Associate's degree in horticulture or plant sciences or the equivalent combination of education and experience. Must be or become a Certified Pesticide Applicator in Agricultural Plant Category. Must be punctual, reliable, able to follow instructions and be willing to work some evenings, weekends and holidays. Must have general knowledge of greenhouse and nursery work and have a familiarity in the operation and repair of farm and turf equipment.

Minimum Biweekly Starting Salary: \$457.09

GROUNDWORKER, SO18 - 3 positions (G193, G194, G195)

Grounds Department - Endowed

Perform general landscape maintenance and construction tasks on campus grounds. Operate motorized turf tractors, mowers, snow plows and trucks. May be assigned other groundsworkers and seasonal help. Monday - Thursday, 7:00a.m. - 3:30 p.m.; Friday, 7:00 a.m. - 2:30 p.m.

Requirements: Valid operators license; high school education or equivalent; knowledge of landscape maintenance skills and techniques; courses in ornamental horticulture, agronomy, arboriculture are desirable. Excellent physical condition. Field experience in landscape maintenance, landscape contracting and construction, grounds equipment operation, application of pesticides and equipment repair desirable.

Minimum starting salary: \$5.41/hour

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Notice to All Applicants:

Job Opportunities will publish vacancy announcements on a limited basis until further notice.

Staffing Services will continue to accept employment applications and employee transfer requests. However, these items will be processed only after individuals with official university layoff status are given preferential consideration.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

ASSISTANT VICE PRESIDENT FOR RESEARCH AND DIRECTOR, OFFICE OF SPONSORED PROGRAMS (PA196)

Vice President for Research

Direct the Office of Sponsored Programs and assist the Vice President for Research and Advanced Studies in administering research policies and affairs.

Requirements: LL.B., MBA or equivalent. Extensive experience in a major university in contract negotiation and administration, in application of research policies and in grant management practices, as well as financial and personnel management. Submit a cover letter and resume by May 30, 1986 to Cynthia Smithbower.

COST ANALYST II (PA197)

Controller's Office

Responsible for University cost analysis, i.e., development of indirect cost rate for recovery from externally-funded research, calculation of share central costs applicable to colleges and centers (responsibility centers analysis), determination of employee benefit rates, calculation of instructional costs per credit hour by college. Participate in negotiation of agreements for reimbursement with Federal and State agencies. Provide staff support to Controller and Vice Presidents. Take a leadership role in various committees and special projects. Requires supervision of graduate students.

Requirements: M.B.A. and 3-5 years of financial analysis; good working knowledge of IBM PC and Lotus 1-2-3. Please send cover letter and resume no later than May 13 to Ralph D. Jones.

AUDITOR II (PA199)

Audit-Medical College

Perform financial and operational audits of various units at the Cornell Medical College and its Faculty Practice Plan.

Requirements: Bachelors degree in accounting or equivalent work experience. M.B.A. and C.P.A. are a plus. Understanding of accounting principles, strong verbal and written communications skills and sound analytical skills required. Please send cover letter and resume no later than May 18 to Ralph D. Jones.

ASSOCIATE CHAIRPERSON (PA194)

Computer Science

Handle day-to-day and routine operations of the department for the chairman such as office and laboratory allocations, production of department brochures, assisting in the writing of research proposals for funding. Oversee the Industrial Affiliates Program and the faculty recruitment process. Occasionally teach.

Requirements: Minimum of a Master's; PhD a plus. Several years experience in administration; teaching experience. Considerable experience in computer science, skilled in interpersonal relations. Excellent writing skills. Knowledge of funding opportunities, agency rules and regulations helpful. Send cover letter and resume to Ralph D. Jones by June 1, 1986.

PHYSICAL THERAPIST SUPERVISOR (P191)

University Health Services

Responsible for supervising departmental personnel and operations. Plan and implement appropriate physical therapy programs for patients. Participate in in-service training. Expertise in evaluation and treating orthopedic and sports related problems.

Requirements: Bachelor of Science in Physical Therapy. Eligible for current New York State license. Certification by National Athletic Trainers' Association preferred. Experience in orthopedic and sports physical therapy; supervisory experience. Participation in continuing education programs. Send cover letter and resume to Ralph D. Jones no later than May 22, 1986.

APPLICATIONS PROGRAMMER III (PT193)

Mechanical and Aerospace Engineering

Responsible for continued development of large, sophisticated software package. Includes documentation, development of new applications and system utilities to support ongoing application development.

Requirements: Bachelor's in a technical field; Master's helpful. Programming experience in PL-1, C, UNIX, color graphics and distributed processing. Please send cover letter and resume to Cynthia Smithbower by May 23, 1986.

TECHNICAL CONSULTANT II (PT145) (Repost)

NYSSILR, Resident Division

Aid and assist faculty and students in computer related instruction and research projects using Cornell's computer system and microcomputers.

Requirements: Bachelor's degree with computer related courses, statistical courses, social science research or related experience; Master's degree preferred. Understanding of social science statistics and research methods. Consulting and teaching experience desirable. Experience using SAS, SPSS, Minitab and Script. Ability to write basic programs in FORTRAN or WAT-FIV and write CMS decks with JCL and tape disk use in CMS, MVS and OPS-20. Ability to explain computing procedures to users at various levels orally and in writing. Experience with and knowledge of microcomputer hardware and software

desirable. Please send cover letter and resume to Cynthia Smithbower.

TECHNICAL COORDINATOR (PT111) (Repost)

Systems Office-Olin Library

Under direction of project leader, provide technical support to Library automation efforts, particularly regarding microcomputer applications; support includes microcomputer hardware and software needs as well as communications (network) help with various mainframe computers; individual will be involved in training and education of library staff in the use of computers.

Requirements: Bachelor's degree or equivalent. Microcomputer experience, both Apple Macintosh (Microsoft Word, EXCEL) and IBM PC (WordPerfect, dBase III). Excellent oral and written communication skills; knowledge of IBM mainframe a plus. Training experience helpful. Please submit cover letter and resume to Cynthia Smithbower.

Minimum Biweekly Starting Salary: \$543.50

RESEARCH SUPPORT SPECIALIST II (PT1910)

Ornithology

Responsible for overseeing Colonial Waterbird Research Program; includes supervision of program, analyzing data, preparing and presenting results, conducting literature reviews; assisting in budget development and grant proposals; consulting with scientists and cooperating professional personnel.

Requirements: Master's degree in biological sciences or equivalent experience. Some field experience with colonial waterbirds required. Knowledge of computers and statistics helpful. Excellent communicative skills necessary. Good interpersonal skills. Must be able to travel frequently. Please submit cover letter and resume to Cynthia Smithbower by May 23, 1986.

RESEARCH SUPPORT SPECIALIST II (PT198)

Agricultural Economics

Conduct research into incidence and extent of wildlife damage to orchards in Eastern New York, costs of control measures and effects of damage on growers' economic returns.

Requirements: Master of Science in Agricultural Economics with a background in farm management and/or resource economics. 2-3 years experience in conducting surveys helpful. Please send cover letter and resume by May 23 to Cynthia Smithbower.

RESEARCH SUPPORT SPECIALIST I (PT195)

Horticultural Sciences, Geneva

Assist in development, organization and maintenance of genetically defined collection of Pisum seed stocks; organize and render computer accessible a large collection; assemble and integrate information and write computer programs to render data accessible and cross-references; maintain and distribute seed stocks; keep accurate records; grow plants in field and greenhouse, secure seed samples. Compose letters.

Requirements: Bachelors' in some phase of Biology; elementary knowledge of genetics; organizational skill; attention to detail; familiarity with computer languages; capable of independent work; experience in growing and cultivating plants.

ACQUISITIONS EDITOR (PC192)

University Press

Acquire and develop a list of books in political science and other selected areas in the social sciences.

Requirements: Bachelor's degree or equivalent. Minimum two years experience in publishing. Please send cover letter and resume to Esther L. Smith.

Clerical

CURRENT EMPLOYEES should submit an employee transfer application, resume and cover letter. Also, if you are interested in a career development interview, please contact Esther Smith at 5-6874 to schedule an appointment.

OUTSIDE APPLICANTS should submit an employment application and resume. Applications and resumes typically remain active for three months; typing test scores remain on file for one year. The clerical section uses an automatic referral system whereby outside applicants are referred to positions for which they are considered qualified and competitive. Unless otherwise advertised, requests to be referred to a specific position will not be accepted. Applicants who are referred to a department for review will be contacted by the department if an interview is necessary.

NOTE: OPEN INTERVIEWING FOR OUTSIDE APPLICANTS interested in clerical positions will be conducted every Wednesday afternoon from 1:00 - 6:00pm. in our East Hill Plaza Employment Office. No appointment is necessary, however a short wait may be required. Call Esther Smith or Lauren Worsell if you have any questions.

ADMINISTRATIVE AIDE GR21 (C192)

Peace Studies Program/CIS

Provide administrative/secretarial support to Peace Studies Program, oversee preparation and production of the Program's publication series; type manuscripts, correspondence; answer and screen phone calls; arrange travel; handle mail; schedule and publicize seminars. Other duties as assigned. Medium typing.

Requirements: Associate's degree or equivalent. Minimum 2-3 years office experience. Good organizational, interpersonal and supervisory skills. Familiarity with personal computers, word processor, etc. Knowledge of Cornell accounting system a plus.

Minimum Biweekly Starting Salary: \$497.40

ADMINISTRATIVE AIDE, GR 20 (C196)

English

Under the direction of the Graduate Field Representative, assist in all aspects of the work involved in the Department's graduate program. Admissions applications; routine informational correspondence about the pro-

gram; non-academic and summer research payroll for graduate students. Medium typing.

Requirements: Associate's degree or equivalent. 1-3 years experience. Familiarity with academic environment. Good interpersonal communication skills. Word processing experience. Ability to work independently.

Minimum Biweekly Starting Salary: \$468.29

ADMINISTRATIVE AIDE, GR 20 (C193)

C.U. Council

Provide secretarial support to Assistant Executive Director of C.U. Council. Type and mail correspondence, reports, meeting notices, etc. Maintain files, membership lists; answer and screen telephone calls; special focus on assisting in preparation for Council annual meeting. Heavy typing.

Requirements: Associate's degree or equivalent. Minimum 1-3 years secretarial experience. Good spelling, grammar; proofreading. Proficient in either IBM PC or Microm word processor. Ability to work independently and perform well under pressure.

Minimum Biweekly Starting Salary: \$468.29

ACCOUNTS ASSISTANT, GR 19 (C197)

Residence Life

Manage security deposit account and provide detailed monthly reconciliation of account (deposits, refunds, damage charges and interest earned). Act as liaison between Assignment Office and Bursar's Office; input data into computer; type; answer phones; provide information for students and parents. Medium typing.

Requirements: Associate's degree in accounting or equivalent. Strong communications and interpersonal skills. Organizational ability and accuracy extremely important. Ability to work in an environment with several distractions occurring simultaneously. Strong math skills. Accounting and computer experience.

Minimum Biweekly Starting Salary: \$443.78

SEARCHER, GR 18 (C195)

Access Services/Olin Library

Search interlibrary loan requests covering a variety of languages and subjects; review all materials prior to lending and set use restrictions on all interlibrary loans; page microfilm for loan and photocopy requests; route requests to special collections in Olin Library.

Requirements: 2 years of college or equivalent. Ability to work with foreign languages. Knowledge of RLIN and OCLC searching desirable. Previous library experience desirable.

Minimum Biweekly Starting Salary: \$418.85

ADMINISTRATIVE AIDE, GR20 (Repost) (C139)

Veterinary Microbiology - James A. Baker Institute for Animal Health

Prepare and maintain personnel and payroll records for Baker Institute staff (65 employees). Provide secretarial support for 5 professors and support personnel (12). Type scientific grants, manuscripts, etc. Other duties as assigned.

Requirements: Associates degree or equivalent. Heavy typing. Minimum 2 to 4 years related work experience. Knowledge of Cornell (Statutory College) payroll and personnel procedures essential. Knowledge of veterinary/medical/chemistry terminology valuable. Word processing skills (Xerox 860) valuable. Good grammar, punctuation and editing skills needed.

Minimum Biweekly Starting Salary: \$468.29

General Service

UNIVERSITY SERVICE OFFICER, GR 21—2 positions (G183, G184)

Public Safety

Responsibilities include prevention and detection of criminal behavior; external and internal patrol of University property within his or her area for fire, safety and crime hazards; enforcement of parking regulations occurring on the property of Cornell University.

Requirements: High school diploma or equivalent. Further formal education, training and/or experience in the law enforcement field preferred. Satisfactory completion of Basic University Safety Officer training. Knowledge of Cornell University rules and regulations; U.S. citizenship; eyesight 20/40 corrected to 20/20; no record of convictions other than minor traffic infractions; N.Y.S. driver's license; ability to obtain a N.Y.S. pistol permit within 90 days of employment. Must pass physical examination.

Minimum Starting Salary: \$6.06—hour

GARDENER, SO22 (G1510)

Grounds - Endowed

Perform landscape maintenance and construction tasks. Supervise crew and provide training. Monday - Thursday, 7:00 a.m. - 3:30 p.m.; Friday, 7:00 a.m. - 2:30 p.m.

Requirements: Associates degree in ornamental horticulture, landscape management or related field. Two years ground maintenance, landscape construction or horticulturally-related work. Supervisory experience preferred. N.Y. Pesticide Applicators License desired; required within six months of employment. N.Y.S. Driver's license required. Able to lift 100 pounds. Pre-employment physical required. Rotating shifts; 24 hour call. Minimum Starting Salary: \$6.77/hour

EQUIPMENT OPERATOR, SO20 (G196)

Grounds Department - Endowed

Operate construction and grounds maintenance equipment such as tractors, front-end loaders, snow plows, trucks, road rollers, heavy-duty compressors; perform hand labor in campus landscape construction and maintenance. Monday - Thursday, 7:00 - 3:30 p.m., Friday, 7:00 a.m. - 2:30 p.m.

Requirements: High school education or equivalent; valid N.Y.S. Motor Vehicle Operator License; Class III Operators License preferred. Must be in excellent physical condition and be able to work outside in all elements in all seasons; must have two years experience in con-

Technical

Outside applicants for technical positions should submit an employment application, resume, transcripts and a list of laboratory techniques and equipment, or computer languages and hardware with which you are familiar.

This information will be kept active for six months. For each position that you are qualified and wish to be a candidate for, submit a cover letter, including position title, department and job number, to Cynthia Smithbower. Current Cornell employees should submit an employee transfer application, resume and cover letter. Outside applicants with training and/or experience in the following areas are encouraged to apply: biochemistry, chemistry, microbiology, electronics, physics and licensed animal health technicians.

COMPUTER OPERATOR, GR22 (T157)

Animal Science

Responsible for computer night shift, involving producing daily run, distribute output and listings, run tests and jobs submitted by programmers and maintain adequate supply of forms. Third shift.

Requirements: Associate's degree or equivalent in data processing. 1-2 years experience desirable, particularly with IBM mainframes. Apply by May 23.

Minimum Biweekly Starting Salary: \$524.21

TECHNICIAN, GR18 (T194)

Diagnostic Laboratory

Daily handling and processing of diagnostic specimens; test samples; process related paperwork and enter data into computer terminal. Route/deliver specimens to other lab sections. Handle shipping; fill supply orders. Saturday rotational: 2 hours approximately every 6 weeks.

Requirements: High school diploma and N.Y.S. Drivers License. Some computer and lab experience helpful; familiarity with inventory systems an asset. Accuracy and ability to meet deadlines under pressure highly desirable. Apply by May 23, 1986.

Minimum Biweekly Starting Salary: \$431.43

TECHNICIAN, GR18 (T192)

Food Science

Perform analytical tests on dairy products including Kjeldahl nitrogen analysis, SDS-PAGE gel electrophoresis of milk proteins and gas chromatographic determination of fatty acid composition of milk fat. Summarize data using an IBM personal computer. Regular position through May 29, 1987.

Requirements: Bachelor's in Food Science or related field. Experience with Kjeldahl analysis, SDS-PAGE gel electrophoresis, gas chromatography and Lotus 1-2-3 computer software desirable.

Minimum Biweekly Starting Salary: \$431.43

RESEARCH AIDE, GR18 (T193)

Entomology

Assist in laboratory and field research effects on parasitoids of biting and non-biting flies. Will care for and rear insect stock colonies, maintain laboratory and assist in experimental design, set up and data collection.

Requirements: Bachelor's degree in biology or agriculture related field; valid driver's license; N.Y.S. certified commercial pesticide applicator's license. Experience in entomology, working with living insect colonies and mounting, identification and preservation of insect specimens. Apply by May 23, 1986.

Minimum Biweekly Starting Salary: \$431.43

POSTDOCTORAL ASSOCIATE IN VIROLOGY

(T191)

Biological Control Program, Boyce Thompson Institute

Study of replication and gene expression of granulosis viruses in insect cell cultures. Two year appointment begins September 1, 1986.

Requirements: Ph.D. in biochemistry, molecular biology or microbiology with a background in recombinant DNA. Some experience in cell culture research desirable.

Contact: Send three letters of recommendation and curriculum vitae to Dr. Robert R. Granados, Boyce Thompson Institute, Cornell University, Tower Road, Ithaca, N.Y. 14853.

Minimum Starting Salary: \$16,000/year

Part-time

SECRETARY, GR18 (C194)

Angstrom

Type texts, manuscripts, grant applications and correspondence; assist with literature surveys and bibliographies; copy material obtained from libraries. Regular, part-time; Monday - Friday, 4-5 hours/day.

Requirements: High School diploma or equivalent. Business or secretarial school desirable. Heavy typing. Experience with or willingness to learn word processing. Minimum 1-2 years experience. Apply to Esther L. Smith.

Equivalent Minimum Biweekly Starting Salary: \$418.85

RECORDS ASSISTANT, GR16 (C1910)

Catalog/Olin Library

Participate in project to convert library catalog records into machine readable form using RLIN system by inputting original catalog records online. Other duties as assigned. Regular part-time through June 30, 1987; Monday - Friday, 20 hours; may require evenings. Medium typing.

Continued on Page 7

Make 'Critical' Structures Earthquake-Resistant, Engineer Says

Catastrophic earthquakes may occur only once every 500 years in the eastern United States, but the extra expense of building earthquake resistance into certain critical facilities is worth the cost.

A Cornell engineer who specializes in earthquake-resistant design says that without hospitals, police and fire stations, water supplies, and bridges, the loss of life and property would be much greater.

Speaking Monday to the Metropolitan Section of the American Society of Civil Engineers meeting in New York City, Peter Gergely said, "The long and uncertain recurrence interval is the biggest handicap in the development of rational and acceptable earthquake-resistant design philosophy and codes in the East."

Gergely is a professor and chairman of the Department of Structural Engineering in Cornell University's College of Engineering. He has focused much of his research on the safety of structures, including nuclear reactor containment shells, during earthquakes.

"If you say an earthquake might come in 500 years, and if the proposed building is designed to last 50 years, the owner will say, 'Forget it.' This poses a dilemma for structural engineers in the East who might recommend that clients spend the 5 to 10 percent more to make a building earthquake resistant," Gergely said in an interview. "Most structures, such as common concrete-block buildings, can be strengthened during construction at little extra cost. But the strengthening of existing buildings is more difficult and costly."

California can expect a catastrophic quake every 100 years on the average and a damaging quake every three years, Gergely said. "In the East, damaging earthquakes occur every 25 years, and catastrophic quakes can be expected every 500 years; but when one comes, it will cause much more widespread damage."

Eastern earthquakes can be destructive to much wider areas because waves of seismic energy travel farther in the East than in the West. The continental crust of the eastern U.S. is "cooler" and less able to absorb



Structural engineering graduate student Luiz R. Martha operates the earthquake simulation program in the Rand Hall computer graphics laboratory.

high-frequency energy. In the West, where the crust overlies areas of volcanic activity and partially melted rock in the upper mantle, rock is 10 to 20 times more absorbent of high-frequency vibrations.

Structural engineers and geologists like to remind Easterners that the biggest quakes in this country's recorded history occurred in New Madrid, MO (1811, 1812) and in Charleston, SC (1886). The New Madrid quake was felt over an area of 200,000 square miles. It rang bells in Boston, stopped clocks in Washington, and shook buildings in New York City.

In 1886, when few of Charleston's buildings exceeded four stories, the quake that killed some 60 people caused only a few million dollars in damage. A similar quake today certainly would kill many more and result in billions of dollars in damage as it radiated through the densely populated East, Gergely pointed out.

Lacking visible evidence, such as California's notorious San Andreas fault, easterners may forget that the earth still moves beneath them. "Most eastern faults are not visible on the surface, but are thought to be at depth and to be zones of weakness remaining from previously active major faults," according to Gergely.

One of the most studied faults in the East, the 100-mile-long Ramapo Fault in New York and New Jersey, is the center of many minor quakes in northeastern New Jersey. A minor fault line bisects Manhattan Island north of Central Park.

Eleven major earthquakes have rattled New York State since 1737. The most powerful, the 1925 St. Lawrence River quake, had a Richter scale magnitude of 7 and affected 2 million square miles. Earthquakes struck New York City in 1884, 1874, 1848, 1847, and in 1737.

Most recently, New Yorkers were awak-

ened Oct. 19, 1985, by a magnitude 4 earthquake that centered in Yonkers. It was the most powerful quake in the New York City area since the early 1950s.

The Cornell structural engineer said local soil conditions can amplify vibrations of a distant quake, as happened in Mexico City. Although the 1985 quake originated 400 kilometers away, parts of Mexico City that are built on a former lake bed suffered severe damage from harmonic motion in the soil.

"Soil conditions in parts of the Northeast are not favorable because of the existence of sensitive clays, loose sand, or silt," according to Gergely. Of particular concern is the Hudson River valley, the Cornell engineer noted, but amplification effects also can be expected in Long Island and Boston.

Boston is the only major city in the East with earthquake-resistant provisions in its buildings code. Buffalo, which lies along the St. Lawrence fault system, has considered enacting earthquake-resistance requirements.

Acknowledging "political and economic pressures" affecting enforcement of earthquake-resistant design in the East, structural engineer Gergely said the key to implementing seismic codes in the East is the development of design requirements for moderately active seismic zones.

"It may not be necessary and cost-effective to design to limit damage, only to avoid collapse. But there cannot be question about the need of earthquake-resistant design for critical facilities," he said.

"If an earthquake comes, more loss will occur from inoperative critical facilities -- hospitals, police and fire stations, bridges, water and power supplies -- than from the quake itself," Gergely predicted. "The injuries, the fire, the panic could not be handled."

For other structures, an increase in public awareness and education of professionals is a necessity, Gergely told the New York-area engineers. State and federal agencies should take a greater part in the process, both in design of more earthquake-resistant facilities and in identifying hazardous regions.

Earthquakes Recur on a Daily Basis in Cornell Simulation Lab

Recurring earthquakes aren't a nightmare, but rather a design tool for structural engineers at Cornell.

Drawing on their computerized library of actual earthquakes and the university's interactive computer graphics capabilities, the engineers are developing a simulation system to "shake" a design to see if it fails.

Visitors to the darkened lab where three-dimensional building frames sway to and fro on the screen can be forgiven a twinge of not-so-simulated motion sickness.

Detailed information on 50 years' worth of California earthquakes is available at the touch of a keyboard in the Program of Computer Graphics laboratory.

"We have records on how the ground moved, accelerated, and was displaced, all in 1/100th second steps," according to John F. Abel, professor of structural engineering and one of two leaders in the simulation project.

Working with William McGuire, also a professor of structural engineering, and graduate students in the field, Abel is developing an approach that someday will allow structural engineers to interact with complex designs of steel buildings. As the simulated stresses reveal weaknesses in designs, engineers can make corrections and quickly test the results.

Further manipulation with the computer's menu of commands lets the operator zero in on individual structural components. Connections between steel beams and columns appear to distort and twist as if made of pliable plastic. The operator can freeze the simulation at any point for further analysis, or watch a shaking sequence up to two minutes long in the life of a building.

"This project has two goals," according to Abel. "We want to make better computer simulations of dynamic seismic behavior,

and to use those simulations in the design context -- to design and change configurations by making corrections."

Currently, structural engineers are limited either to much more simplified computer methods or to testing designs with scale models on shaking tables and in wind tunnels. Typical existing computer programs are largely confined to two-dimensional portions of buildings, Abel notes, and do not simulate the full range of complex distortional and plastic-like behavior of the steel frames.

Individual structural components can be tested in laboratories, but not entire full-scale buildings. The only alternative is to visit sites of recent earthquakes, such as Mexico City, to study buildings that failed and those that escaped damage.

The Cornell approach can be used to perform three-dimensional earthquake simulations on simple, small steel-framed buildings

-- those of 10 or 12 stories -- and two-dimensional simulations up to 20 stories.

With a supercomputer, such as the machine now operating with government and industrial funding at Cornell's national supercomputer center, the earthquake simulation program should be able to examine 50-story buildings in three-dimensional detail, Abel predicts.

The computer graphics techniques also can be applied to other steel-framed structures, simulating stresses from wind or waves on off-shore platforms, bridges, or transmission towers, according to the Cornell engineer.

"These advanced computer techniques are not yet available to structural engineers and architects," Abel says. "But as computation gets cheaper and tools become more sophisticated, such testing will be more common."

—Roger Segelken

Job Opportunities

Continued from Page 6

Requirements: High school diploma or equivalent. Data entry and/or office experience desired. Ability to perform detailed and repetitive tasks accurately. Experience with foreign languages helpful. Apply to Esther L. Smith.

Equivalent Minimum Biweekly Starting Salary: \$378.73

ANIMAL ATTENDANT - 4 positions (G1910)

Lab of Animal Services
Care for and feed small animals. Other duties as assigned. Weekends and holidays only (up to 20 hours/week).

Requirements: High school diploma or equivalent. Small animal experience preferred. Able to lift 50 pounds. Apply in person at the East Hill Plaza Employment Office, Monday-Friday, 9 a.m. - 12 noon.

Minimum Starting Salary: \$4.00/hour

Temporary

TEMPORARY OPPORTUNITIES: Individuals qualified for temporary work in the following areas are encouraged to apply: clerical, secretarial, word processing. If you have experience or skills in these or related areas and are interested in learning more about these opportunities, please call Laurie Worsell at 255-5226.

TEMPORARY EDITORIAL ASSISTANT (C199)
Cornell Computer Services
Assist Publications staff in preparation and dissemination of information about resources, services and activities of Cornell Computer Services. Review, revise and proof documentation on-line, using computerized text editors. Flexible hours. 19 hours/week.

Requirements: Associate's degree or equivalent. Bachelor of Arts desirable. Excellent grammar, spelling, punctuation and editorial skills essential. Familiarity with IBM mainframe text editors a real plus. Knowledge of computer systems helpful. Please send cover letter and resume to Esther L. Smith by May 23, 1986.

Minimum Starting Salary: \$5.50/hour

TEMPORARY ADMINISTRATIVE AIDE (C191)
Division of Nutritional Sciences
Use word processor to prepare technical reports and

manuscripts for publication; organize and document information records and files; maintain office supplies; responsible for taking and distributing minutes of Director's meetings; type correspondence, etc. from rough drafts. Full-time through August 27, 1986. Medium typing.

Requirements: High school diploma or equivalent. Secretarial or business school desirable. Minimum two years secretarial experience. Word processor experience helpful. Apply to Esther L. Smith.

Starting Salary: \$5.00 - \$6.00/hour

TEMPORARY HARDWARE TECHNICIAN (T196)
Electrical Engineering
Provide routine and emergency maintenance of School's computer equipment; diagnose faults using such tools as diagnostic software programs.

Requirements: Knowledge of digital and analog electronics sufficient to handle television level analog electronics, minicomputer level digital electronics. Send cover letter by May 23 to Cynthia Smithbower.

Starting Salary: \$5.00 - \$6.00/hour

TEMPORARY COLLECTION REPRESENTATIVE
(Two positions) (Repost)
Job Number: C222

Department: Bursar
Description: Perform duties involved in the collection of delinquent student loan accounts. Duties include researching student loan accounts, "skip tracing", initiating telephone and written communication with delinquent loan accounts, making suitable repayment arrangements with delinquent borrowers. Tuesday, Wednesday, Thursday, 4:30 p.m.-8:30 p.m.

Requirements: High school diploma or equivalent. Ability to effectively communicate via the telephone and letter. Person must be self-assured and possess the maturity to effectively present the University's position with diplomacy and tact. Please send cover letter and resume to Esther L. Smith.

Academic

HEAD, TECHNICAL SERVICES (A191)

Mann Library
Contact: Carolyn A. Pyhtila, Personnel Director, 235 Olin Library, Cornell University, Ithaca, N.Y. 14853-3501 by May 31.

REFERENCE LIBRARIAN (A192)

Flower Veterinary Library
Contact: Carolyn A. Pyhtila, Personnel Director, 235 Olin Library, Cornell University, Ithaca, N.Y. 14853-3501 by July 1.

Cornell Test-Tube Corn Opens New Vistas for Plant Breeders

By JOSEPH SCHWARTZ

Corn and other crops that someday will grow on America's farms could be bred from plants that first took root in laboratory test tubes.

The groundwork for such an advance in plant breeding is taking place at Cornell University, where researchers are growing this "test-tube corn" as the result of a research breakthrough in the application of tissue culture techniques.

Vernon Gracen, a plant breeder, and Elizabeth Earle, a tissue culture specialist, both in the College of Agriculture and Life Sciences, have successfully created new corn breeding lines by using tissue culture techniques. Tissue culture is a laboratory procedure used to coax plant cells to grow into whole plants.

Tissue culture research is not new. The work at Cornell, however, is notable because it brought the research out of the laboratory and proved it in test fields.

The development of Cornell test-tube corn begins in Earle's laboratory. Using a special blend of growth hormones and nutrients, Earle nurtures tiny pieces of corn embryo tissue into whole corn plants. These test-tube plants are transferred to a greenhouse, where they are grown to maturity. After the plants mature in the greenhouse, Earle harvests the seeds and hands them over to Gracen.

Gracen then plants those seeds in Cornell's research fields located in Aurora, NY, and

Homestead, FL. Once those field plants mature, Gracen selects those with favorable characteristics and develops them into new breeding lines. Some of the traits developed in such test-tube corn plants include enhanced resistance to diseases, faster growth and maturity rates, and alterations of cytoplasmic male sterility, to name a few.

Gracen has tested these test-tube lines of corn for as many as six generations. His conclusion: "Tissue culture is a viable method of producing new or modifying existing corn varieties, and it has several advantages over traditional plant breeding methods."

A major advantage to test-tube corn breeding is speed. Gracen says he is able to produce new lines of corn in 18 months by selecting for variations that arise during culturing. When conventional techniques are used, it takes two or more years to accomplish the same task.

Another benefit of test-tube corn breeding is that it enables a breeder to engineer genetic changes into a plant without having to deal with the "dilution" of certain traits that occurs when plants are cross-bred.

"In layman's terms, it enables us to fine tune a corn variety without the danger of disrupting favorable genetic characteristics," Gracen says.

Gracen and Earle have been studying corn tissue culture since 1980.



Frisbee players leap for a flying disc on Library Slope last Friday.

481 Seniors Attend Alum Affair

When members of several alumni groups held a reception last Thursday in the Memorial Room of Willard Straight Hall, they hoped to get an indication of interest in alumni affairs from some members of the senior class.

In all, 481 seniors attended the event, and many of them signed up to take part in the

activities of various parts of the alumni organization.

Among the activities represented were the alumni associations of all the colleges, Cornell Club organizations, the Cornell Black Alumni Association, Cornell Tradition, Cornell Connection and the secondary schools committees.

Farm News Group Will Meet Here

The Northeast Farm Communicators Association, a professional organization of writers, editors, broadcasters, and others who specialize in reporting agricultural news, will hold its spring conference at the Holiday Inn here, May 21-22, in cooperation with Cornell.

The conference will feature several Cornell faculty and staff as speakers who will discuss the future of agriculture, the current farm crisis, new technological advances for agriculture, and statewide efforts to help schoolchildren gain a better understanding of agri-

culture.

The two-day conference will start at 1 p.m., Wednesday, May 21, with the keynote address by Kenneth L. Robinson, the Liberty Hyde Bailey Professor of Agricultural Economics in the College of Agriculture and Life Sciences. He will speak on "What's Ahead for Agriculture."

Robinson's talk will be followed by a presentation on "Ag in Classroom," a project initiated in 1985 to promote a better understanding of and appreciation for agriculture among schoolchildren across New York State.

Tjaden Hall Renovations to Provide Creative Arts Center

Planned renovations to Olive Tjaden Hall on the Arts Quad will provide a university-wide center for the creative arts in drawing, painting, sculpture, and photography. The project, estimated to cost more than \$2 million, is scheduled to begin one year from now.

A structural study of the building, formerly Franklin Hall, will be conducted within the next few weeks, according to William G. McMinn, dean of the College of Architecture, Art, and Planning. A design feasibility

study will be performed this fall, he said.

Other than renovated gallery space, the building has not had any major repairs since it was constructed in 1892.

"We plan to gut the interior to create badly needed faculty and student studio and teaching space," McMinn said.

He said that Olive Tjaden Hall is an ideal location for a visual arts center because "it serves as a bridge between Sibley Hall and the Johnson Museum of Art."

Approximately one half the students

Proxy Group Completes Votes, Supports a Proposal on GM

Members of the Proxy Review Committee of the Cornell University's Board of Trustees have completed voting proxies this spring on South Africa related issues.

In a telephone conference call last Thursday, May 8, a majority of the five-member committee supported a shareholder proposal asking General Motors not to sell motor vehicles to the South African police and military. The committee had supported a similar resolution on both the GM and Ford proxies last year.

PRC chairman Patricia Carry Stewart said that while the committee felt GM and its chairman, Roger Smith, were active in lobbying for the abolition of apartheid, the committee felt that the sale of motor vehicles to the South Africa military and police "could contribute to the suppression of the black majority in South Africa and the continuation of apartheid there."

The committee voted against a shareholder proposal asking American International Group to terminate its operations in South Africa. "The committee felt that, unlike General Motors' products, AIG's products -- insurance sales -- did not contribute to the

suppression of the black majority in South Africa," Stewart said.

Although the PRC voted against this shareholder resolution, Stewart said the committee will be writing to AIG urging it to "make every effort to improve its rating" from category two to category one in its adherence to the Sullivan Principles.

A majority of the PRC also voted against the proposal asking Exxon to terminate its South African operations by the end of 1986 if certain conditions, including the abolition of apartheid by the end of 1986, were not met by then. The same proposal, which appeared on the Citicorp, IBM, and Burroughs proxies earlier this year, also was rejected by Cornell's PRC.

"The committee felt the timing for meeting those conditions was unrealistic," Stewart said. The committee, she added, also noted the work of Exxon "on behalf of the black majority in South Africa, its consistent number one rating on adherence to the Sullivan Principles, and the high percentage (44 percent) of blacks employed by the company in South Africa."

Gamma Sigma Delta, Agriculture Honor Society, Forms Chapter at University

A ceremony inaugurating the Cornell University chapter of Gamma Sigma Delta, the honor society of agriculture, will be held in the Statler Inn, May 20.

Robert C. Baker, professor and chairman of the Department of Poultry and Avian Sciences in the College of Agriculture and Life Sciences, will be installed as president of the chapter.

Forty-one newly elected members will be inducted, along with 35 charter members who became members of the society at other universities. Members include seniors, graduate students, faculty, and alumni of the College of Agriculture and Life Sciences, the

New York State College of Human Ecology, and the New York State College of Veterinary Medicine, all at Cornell.

Five key national officers of the honor society will preside over the inauguration in a ceremony scheduled for 6 p.m. in the Statler Ballroom. A banquet celebrating the birth of the Cornell chapter will follow at 7 p.m.

Established in 1905, Gamma Sigma Delta is dedicated to recognizing academic achievements and accomplishments of students, faculty, and alumni whose work has contributed to agriculture. It has 42 chapters at universities throughout the United States, Puerto Rico, and the Philippines.

Bruce M. Payne

Bruce M. Payne, 76, former assistant comptroller of the university, died Saturday, May 10, in Trumansburg.

He was a former supervisor of the Town of Ulysses and trustee of the Village of Trumansburg. While at the university he also was manager of the insurance department.

Memorial donations may be made to the First Presbyterian Church of Ulysses Memorial Fund, in care of the Rev. Thomas Lange, Main Street, Trumansburg, N.Y., 14886, or to Hospicare of Tompkins County, 1287 Trumansburg Road, Ithaca, N.Y. 14850.

Brief Reports

WHCU Sale Is Final; Sold to Eagle Broadcasting

WHCU AM & FM, two of the nation's oldest radio stations, are now owned and operated by Eagle Broadcasting Company, Inc. Papers signalling the final step in the sale of the stations by Cornell University were signed Thursday, May 8.

Proceeds from the sale of the stations, \$1.5 million, will be used by the university to support the Performing Arts Center project in College town.

Avid listeners will hardly be aware of the change in ownership, according to Kenneth Cowan, president of Eagle Broadcasting. Cowan says the only changes planned are construction of a new transmitting facility that will allow WHCU AM to begin 24-hour broadcasting beginning this fall, and an increase in the news reporting staff.

WHCU had its beginnings in 1915 as experimental station 8YC, operated by Cornell University's School of Electrical Engineering. In January 1923, the station was granted an AM license as WEAL (standing for "We Educate And Instruct"). WHCU M went on the air in 1947.

The call letters WHCU ("We're the Home of Cornell University"), adopted in 1940, are being retained by the new owner.

Weed Science Society Honors Linscott

Dean L. Linscott, a weed scientist in the College of Agriculture and Life Sciences, has received the 1986 Distinguished Member Award, the highest honor given by the Northeastern Weed Science Society.

Linscott, a USDA scientist and a professor

of agronomy at Cornell, was honored for his contributions to weed science research.

A Cornell faculty member since 1961, Linscott has made fundamental discoveries in herbicide action and selectivity, and has studied extensively the problems of weed and pest control in the establishment of cattle forage, in crop rotation systems, and in reduced tillage systems.

Phi Kappa Phi Inducts 217 Cornell Students

The Cornell chapter of Phi Kappa Phi honor society inducted 217 students May 1.

In addition, students Marc Honig and Aviva Weintraub were awarded \$500 graduate fellowships.

Materials Science Center Updates Copy Equipment

A Xerox 1090 marathon copier has been installed, on a trial basis, at the Materials Science Center Xerox Facility, 623 Clark Hall. Added features include: reduction/enlargement capability in 1 percent increments, and speed of 92 copies per minute. The machine is available to the Cornell community on a walk-in basis, or by reservation at 255-3929.

Trustees Will Elect Successor to Gibbs

Members of Cornell University's Board of Trustees will vote later this month on a successor to James L. Gibbs Jr., who plans to resign from the board effective June 15.

taught by the Department of Art faculty are non-art majors from other colleges at the university, McMinn said.

Funding for the project is expected from several sources, including gifts, borrowing, and restricted bequests.

Olive Tjaden Hall, which houses studio and teaching space for the Department of Art, was renamed in 1983 after Olive G. Tjaden Van Sickle, class of 1925, one of the first women architects to be graduated from Cornell.

Gibbs, who has two years remaining in his term as a trustee-at-large, will devote more time to his duties as co-director of the Stanford/Berkeley Joint Center for African Studies. He is also a professor of anthropology at Stanford and a trustee of the Carnegie Corporation of New York.

A 1952 graduate of Cornell, Gibbs was a University Senate-elected trustee from 1973 to 1977 and an alumni-elected trustee from 1978 to 1983.

Gibbs is one of 11 minorities and females on the 44-member Cornell University Board of Trustees.

Margaret Bourke-White Biography Published

Harper & Row has published a biography of Margaret Bourke-White, a 1927 graduate of Cornell and one of the most famous photojournalists in American history.

The book is written by Vicki Goldberg and is a Book of the Month Club alternate selection. Publication date is June 4.

Law Professor to Talk To Memorial Society

"How to Protect Family Financial Resources After Total Disability" will be the subject of a talk by Cornell law professor William Tucker Dean to the annual meeting of the Ithaca Memorial Society from 2 to 4 p.m. Sunday, May 18, in St. Paul's Methodist Church. Dean's lecture and the question period will precede the Annual Meeting of The Society.

The Ithaca Memorial Society is a non-profit, non-sectarian organization, run by a

voluntary board of directors. For further information, call 273-1299 or write to the Ithaca Memorial Society at P.O. Box 134 in Ithaca.

SAGE CHAPEL

Service of Thanksgiving For the Year Ended

Chong Bum Kim, Arts '86, will preach at Sage Chapel at 11 a.m. Sunday, May 18, for the Service of Thanksgiving for Year Ended. His sermon topic will be "I'd Rather Be In Hell."

Kim will receive his B.A. degree at the end of this semester with a major in history and a concentration in religious studies. Next fall he will attend Harvard University to pursue a degree of master of divinity with hopes of study afterwards in religion and philosophy.

A member of the Korean Church of Cornell, Kim is from Independence, Mo.

Special music for the service will be provided by Rolfe Sokol, violin; Michael Samir, piano; and Richard Neal, organist.

There will not be a Sage Chapel Service on May 25.

The Baccalaureate Service will be held on Sunday, June 1, at 9:30 a.m. in Bailey Hall. Peter J. Gomes, minister at the Memorial Church at Harvard University, will speak on "Opportunities and Obstacles."



KIM

Networking

A Cornell Newsletter Published by Employees for Employees

Volume 7, Number 6

Thursday, May 15, 1986

Select BENEFITS

1986 Reimbursement Account Deadlines

If you wish to submit current bills for reimbursement from a medical care reimbursement account or a dependent care reimbursement account, the following are deadlines for each biweekly period during the 1986 plan year.

THE DATES ARE LISTED FOR YOUR INFORMATION ONLY. You do not have to submit your bills on a particular date but all bills must be submitted for reimbursement by the end of the plan year 1986.

Amounts left in reimbursement accounts after the end of the 1986 plan year (until March 31, 1987) are not allowed by government law to be returned.

May 19
June 2
June 16
June 30
July 14
July 28
August 11
August 25
September 8
September 22
October 6
October 20
November 3
November 17
December 1
December 15
December 23
January 12, 1987
January 26, 1987
February 8, 1987
February 22, 1987
March 8, 1987
March 22, 1987
March 31, 1987 last day to file claims for the 1986 plan year.



Ushers Have Red Coats and a Dedication

The red coats are coming. But this time it's not the Queen's army disrupting order on American shores; it's Cornell employees keeping order during Ithaca's largest annual gathering.

On Sunday, June 1, 200 ushers wearing easily identifiable red coats will be stationed at strategic points on the Arts Quad and at Schoellkopf Stadium assuring a smooth and orderly 118th commencement ceremony.

Overseeing the processional, crowd control, and seating for graduates, faculty, and guests will be six group leaders all reporting to head usher Vickie Goss from the College of Architecture, Art, and Planning.

Making sure the graduates show up on time, line up three abreast in the correct section of the processional, and behave in a manner befitting the occasion is a time-consuming task. However, with the aid of her 55 team members, group leader Andrea Dutcher, will organize the processional smoothly.

As a coach/instructor for 11 years in the athletic department, she sees many students throughout their Cornell careers. "It makes me feel sad to see them leave but I am very proud of each one of them," Dutcher said.

In charge of faculty and graduate seating on Schoellkopf Field will be Betsy East, associate director of athletics. This will be her sixth year as an usher and her first as a group leader.

East and her 40 ushers will count heads and make sure that the graduate and faculty processions move quickly and to the right sections so that seating of the 4,000-plus people is completed in a timely manner and with minimal confusion. East comments, "I am looking forward to this very challenging and rewarding day."

Carolyn Cook, a 1972 graduate of the College of Human Ecology, is celebrating her fourth year as an usher and her third

year as a group leader. Along with 40 ushers, Cook will guide guests to their seats in the crescent and will answer questions about placement of the graduates.

"During the rest of the year, my job revolves around alumni," states Cook, director of alumni affairs for the College of Human Ecology. "Therefore on graduation day, it is wonderful to see alumni, many of them with children graduating. It's a moving time for everyone involved."

Linda Hill, from the Finance and Business Office, is group leader who will be in charge of the written programs that will be distributed on commencement day. Eight other ushers will assist her with the programs.

Eleven years ago Allene Hays, the administrative manager for plant breeding and biometry, began working as a commencement usher. This year's graduation marks her fourth as a group leader for the 40 ushers who help the mobility impaired. After a commencement day, "You are physically drained, but on an emotional high," said Hays.

Last year, more than 200 people used the service Hays coordinates, including the community's Gadabout buses that provide transportation from the reserved parking lot to the seating area. A special seating area is designated in the crescent

Continued on second page.

Employees on the Go - Promotions and Transfers

"Employees on the Go" is a new Networking column which will appear once a month to announce the names of employees who have been recently transferred to another position. Temporary transfers, acting appointments, or reclassifications are not included. This introductory list includes only those appointments processed during April. The next listing will be published in June.

Congratulations to all.

Employee	Department
Rosalie Ayres	Geneva Food Science & Technology
Nancy B. Barber	Natural Resources
Sandra N. Basso	University Development
Elizabeth Bates	Graduate School
Ellen C. Bowmaster	Natural Resources
Carman Brewer	Campus Store
Linda L. Brownridge	Electrical Engineering
Lorraine Burch	Veterinary Administration
Athene F. Butterfield	Electrical Engineering
Kathleen L. Caldwell	Veterinary Administration
Amanda L. Clearwater	University Libraries
Carol E. Fields	Cornell-in-Washington
Jacqueline M. Fenton	University Personnel Services
Donna-Marie Gulnac	University Registrar
Mukles Haddad	Electrical Engineering
Carol A. Halseth	Education
Lorinda A. Hamilton	Law School
Charles J. Harrington	University Relations
Callean L. Hile	University Registrar
Marian T. Hovencamp	Natural Resources
Burton D. Huth	University Libraries
Donna Kuhar	Architecture, Art & Planning
Dorothy Negley	Electrical Engineering
Mary T. Nicotera	Human Ecology
Gwendolyn J. Owens	Johnson Museum
Marcia S. Pottle	Theory Center
Ellen Poyer	Accounting
Lucy Quaile	Residence Life
Clara Rossignol	Electrical Engineering
Henry Sheldon, Jr.	Plasma Studies
Linda Struzinsky	Electrical Engineering
Melinda Sweazey	Purchasing
Judy A. Treat	Campus Store
Deborah M. Van Galder	Science, Technology & Society
Donna L. Wanner	Summer Session
Cynthia M. Wayne	Johnson Museum
David H. Weiner	Computer Graphics
Nancy L. Witty	Health Services
Robin M. Yager	Office of VP/Finance & Treasurer

Just For Your Information

Did you know that the Cornell University Tax Deferred Plan provides employees with an opportunity to save for retirement with before-tax dollars?

During the April 1986 pay periods about 2550 participants contributed to a variety of options with five companies.

TIAA/CREF	2234
Fidelity	182
Unionmutual	100
Equitable	22
Dreyfus	3

All of your contributions and the earnings from your investment can grow without being reduced by current federal and state taxes. Taxes are delayed (tax deferred) until you begin receiving retirement income.

WOWIE Program Winners Announced

The Department of Residence Life is pleased to announce the winners in its WOWIE program. Marlo Guidi, manager of building operations, Wayne Jennings, maintenance mechanic, and Lilliane Jorgensen, manager of housekeeping services split a first prize of \$200. Al Armstrong, maintenance mechanic won the honorable mention prize of \$50.

The WOWIE (Wipe out Waste and Increase Efficiency) program's goal is to encourage residence life staff to think of ways to improve operations and increase productivity in the department.

Mario Guidi developed a plan for repairing built-in furniture in Balch Hall. Wayne Jennings repaired valves in equipment that saved the department from replacing broken equipment. Lil Jorgensen found a solution to a cleaning problem in Upper North Campus bathrooms and Al Armstrong invented a simple solution to frequent breakdowns in laundry machines.

This is the third year of residence life's WOWIE program. In the past Al Armstrong's ideas went on to win the university national recognition in the NACUBO cost-reduction awards.

The department salutes this year's winners and thanks them for their creative ideas.

Residence Life Celebrates a New Day

by Marc Whitney

The custodial staff of lower North Campus recently celebrated a little known day, National Stairwell Day, with a social hour and ribbon cutting ceremony at Balch Hall. A number of local staff and several unknown visiting dignitaries were present to honor those ancient and unsung architectural marvels.

The stairwell, that all too often goes unnoticed or unattended and becomes cluttered and uncared for, now has a day to give thanks to those structures that allow us to live more than one floor off the ground.

It was also noted by the housekeeping supervisors that it certainly got the stairwells cleaned up and was a good reason to have cake and coffee.

The lower north campus also celebrated International Kitchenette Week at the end of April and tentative plans are now being laid for Cosmic Lounge Recognition Day that will be celebrated the first Friday in May even though it falls on a weekend this year.

NO SMOKING Signs Available through Life Safety

Did you know that your department can receive NO SMOKING signs at no charge from Life Safety? Call 5-3741 to receive a supply.

"An essential characteristic of a civilization worthy of the name is the sense of and respect for the dignity of the human person." - Jacques Maritain (1882-1973)

Take Charge of Your Health

Stop Smoking Programs Offer Benefits

Cigarette smoking is the major preventable cause of premature death and disability in the U.S. More than 300,000 Americans die prematurely every year from the effects of cigarette smoking.

— More and more studies now document the harmful effects of smoke on nonsmokers. The majority of nonsmokers forced to inhale cigarette smoke complain of headaches, cough, eye and throat irritations. A special consideration are employees who suffer from asthma and other lung and heart diseases, who are adversely affected by surrounding tobacco smoke.

— New, alarming studies indicate that long-term exposure to secondhand smoke can contribute to such severe diseases as lung cancer. Cancer-causing agents are prominent in the smoke inhaled by both smokers and nonsmokers.

— Current legal trends support an employer's efforts to protect employees on the job - by limiting or banning smoking. Common law responsibility, cited in some nonsmokers' suits against employers, requires the employer to provide a work environment reasonably free of recognized hazards such as tobacco smoke.

The legal basis is also present for hiring only nonsmokers, a path which some companies have chosen to adopt. However, any specific smoking provisions in labor contracts must be observed until such contracts are amended.

— Health insurance costs are skyrocketing. American business pays about 65 percent of all private health insurance premiums. In 1983, employer contributions totaled \$77 billion - up from \$33 billion just five years before.

— The Health Insurance Association of America recommends smoking cessation programs as offering the greatest potential benefit of any health promotion for companies and their employees.

— Smokers, on the average, have 35-45% higher absenteeism rates compared to nonsmokers.

— In the U.S. economy, lost productivity and wages due to smoking-

related illnesses and premature deaths account for an estimated \$26 billion yearly loss. An additional \$16 billion yearly is consumed in direct health care costs for these illnesses.

— Higher health care and maintenance costs to employers of an individual who smokes are estimated at several hundred dollars every year.

"By 1986, (lung cancer) will surpass breast cancer to become the number one cancer killer of women." - American Cancer Society

Borrowed from: American Lung Association

Submitted by: Smoking Commission

EAP Announces Personnel Changes

Thom de Lara, director of the Cornell Employee Assistance Program since its inception in 1982, has left the program to take a new position as director of family services of Chemung County.

We are pleased, however, to announce that Michael S. Witter is the new director of the EAP. Michael, who comes from Columbus, Ohio, had been involved in EAP work prior to becoming a counselor for Cornell's EAP 1 1/2 years ago.

Michael's vacated counseling position was filled by Richard Sholette, who had been working at an EAP in Watertown,

NY. Richard joined our staff on April 14.

The EAP staff has, in addition, two other counseling staff members: Lee Moon and Lynn Gerstein. Lee and Lynn have been with the program 3 years and 1 year, respectively. Our secretary of three years is Mary Ellen Blish.

The EAP staff will provide assistance to people who are experiencing problems which may be related to individual, family, or workplace stressors. Give us a call at 273-1129 if you think you could use our help.



Models at the Secretaries Day fashion show are (left to right): Allyson Mead, daughter of Judy Mead, Statler Inn; Becky Sellen, daughter of Pat Sellen, Statler Hall; Angela Morse, daughter of Carmen Morse, Statler Inn; Carol Prevosto and son, Caleb, Statler Inn; and Guss Morse, son of Carmen Morse, Statler Inn.

Statler Inn Celebrates Secretaries Week

Celebrating Secretaries Week and specifically Secretaries Day has become an annual event at the Statler Inn.

This year, during the week of April 21 - April 25, each secretary or clerical having luncheon in the dining room was presented with a gift of the new Statler Inn apothecary jars filled with butterscotch candies.

On Wednesday, April 23, the 3rd annual Statler Inn Secretaries Day fashion show luncheon was held. Fashions were provided by thirteen Pyramid Mall stores and were modeled by a host of Cornell

students, employees, and employees' children.

A buffet luncheon of lasagne, fillet of sole bonne femme, Southern fried chicken, assorted relishes and a multitude of salads and desserts was served to approximately 200 Cornell employees and friends as they enjoyed the parade of fashions.

Models ranging in age from five months and up, treated the audience to a variety of dress from shorts and sweat-suits to formal evening wear. The children and the male models were the hits of the show.

Several mall merchants donated gift certificates; one gave over a hundred dis-

count coupons, and the Statler Inn presented each guest with a candy jar.

Prize winners were: Lois Geesey - plant biology; Mary Ann Schuler - School of Hotel Administration; Betty Van Amburg - rural sociology; Joyce Knuutila - nutritional sciences; Pat Baker - consumer economics and housing; Jessica Weeks - Locke, NY; Cheryl Smith - electrical engineering; Patricia Schwan - Registrar's Office; Jeanne Thoren - engineering; Julie Walden - Statler Inn; Sharon Weeks - Locke, NY; Marguerite Wetzel - engineering; and Linda Brownridge - electrical engineering.

It was a fun event for everyone involved.

Ushers Have Red Coats

Continued from front page.

for the mobility impaired guests and transportation is also provided from the Kite Hill parking lot.

Tom Brown, who makes his home in Newfield, came to work for Cornell almost 13 years ago. Eleven of those years have been spent working as an usher during commencement. He is director of maintenance and service operations and has served as group leader for the past three years. With the use of 45 ushers his group helps with seating and crowd control in the west stands and the north west entrance to the field.

Volunteers are personally thanked by President Rhodes and are invited to a

June reception in their honor. To commemorate the occasion a specially inscribed mug is given to each volunteer. To volunteer for this year's commencement on Sunday, June 1, please call the commencement office at 5-9541.

Thank You

The Division of Nutritional Sciences wishes to thank everyone who participated in our bake sale benefit for Muriel Chaires. It was a tremendous success - over \$900 has been donated thus far. It was a very heart-warming experience. Cornellians are the best. Winner of the cake was Linda Young of ILR.

Leadership Leads

A Checklist for Leadership

1. Am I sincerely interested in people?
How do I show it?
2. Am I a good listener?
3. Do I look for opportunities to compliment others?
4. Is my speech free of sarcasm or prejudice?
5. Do I enjoy giving others the credit?
6. Do I seek the opinions of others?
7. Am I earnestly enthusiastic in my speech?
8. Am I a trustworthy confidant?
9. Do I interrupt others when they are talking?
10. Do I tend to argue?
11. Do I give unsolicited advice?
12. Do I criticize others openly?
13. Do I try to look good by making others look bad?
14. Am I too positive? Am I too negative?
15. Do I tend to exaggerate?
16. Does my voice sound threatening?
17. Do I try to impress others by using large and unusual words?
18. Do I use the pronoun, "I" too much?
19. Do my stories tend to reflect too much credit upon myself?
20. Do I tend to brag about my achievements?
21. Do I enjoy proving others wrong?

Your Employee Benefits

When Flextime is Feasible

Since the mid-1970's flextime /flexible working hours has become a widely accepted alternative to the traditional fixed-hour work schedule. As a Cornell employee it may be possible for you to arrange a flexible work schedule which is best suited for your particular situation.

While flextime does not affect the total number of hours worked, supervisors may coordinate work schedules to allow employees to choose their own daily arrival and departure time, break time, and lunch time.

Though flexible arrangements for non-exempt employees must conform to the overtime provisions of the Fair Labor Standards Act requiring employers to pay time and a half for hours worked in excess of 40 in one workweek, there can be considerable latitude in scheduling.

Summertime may be a time when employees would prefer a schedule change and a special flexible schedule for the summer months only might be an attractive option for some employees. Flextime itself may be flexible.

At Cornell, flextime may be implemented at the discretion of the department head. However, the feasibility of implementing flextime within a department should be carefully considered. The supervisor should carefully monitor the workflow and take into account any special problems which may arise.

Generally, "core" hours, or peak work periods, can be identified. During these periods it may be necessary for all or most employees to be working. For example, if the department's core hours are 10am to 3pm, scheduling flexibility will be limited to 7 to 10am and 3 to 6pm. Before implementing flextime, departments are encouraged to contact Employee Relations to discuss holiday and other paid leave provisions.

Core and noncore periods will vary from department to department depending on function. Flextime may not be feasible for some departments; for others it may be unsuitable for certain employees.

such as those in key positions.

Where flextime is feasible, work schedules must be carefully coordinated to ensure adequate coverage at all times. All final scheduling decisions are made by the department head or supervisor.

It has been found that employees' attitudes toward flextime are generally positive since work schedules are individualized. Among possible advantages to both employee and supervisor are increased job satisfaction, a reduction in absences and tardiness, and greater success in recruiting.

General Stores Relocation Update

In a previous issue we reported that General Stores was in the process of relocating some inventories from the Humphreys Service Building to our complex at the Central Receiving Warehouse, located in the Orchard Service Park.

Commodities moved to date are the lab apparatus, lamping, custodial and dining supplies, chemicals and small tools. We anticipate moving office supplies during the first week of June.

When completed, ninety-eight percent of the commodities delivered by General Stores to the various University departments will be dispatched from the Central Receiving Warehouse.

When the June move is complete, the Humphreys Building will still house hardware, small plumbing, electrical and

Correction

There was a misplaced paragraph in the last issue of Networking and we'd like to correct the error. The following paragraph should have been placed in the Cornell Recreation Club article at the top of page two:

"If you are unable to make a large donation then please consider a small one. Many of the payroll deductions are \$1.00, \$2.00, or \$5.00 per pay period. All donations will help build a great park for all to

CRC News

Deep Sea Fishing and Toronto

The annual CRC summer picnic will be held on Saturday, June 7th from 10am until 6pm at Helen Newman grounds. Included are your choice of chicken, roast beef, or lobster (which is \$5.00 extra), hamburgers, hot dogs, hot sausage, beer, pop, swimming, bowling (at .25 per game), music, and dancing.

This year there will also be a talent show. If you, or a member of your family would like to perform, please contact the CRC office.

The family picnic is free to all CRC members but you must have a ticket to attend. Call today, or stop by the CRC of-

fice at 165 Day Hall and pick up your tickets. If you have been considering joining CRC why not do it now and enjoy this great event.

Deep sea fishing will be held on June 13 - 15. There are only a few spots left so call today for the details. For those of you who have already signed up, the final payment is due today!!

The Yankee baseball trip is scheduled for July 19th, Old Timers' Day. You can see all of the Yankee greats of years past and enjoy the present stars as they play Chicago.

This is a one-day event - the bus leaves early in the morning and returns late the same day. The price is \$27.00 (add \$5.00 for nonmembers) and includes transportation and game ticket. This trip is very popular so call today to sign up.

August 14 - 17 are the dates set for the trip to Toronto, Canada. The price is \$220 per person and includes transportation, lodging at the Delta Chelsea Inn, a group dinner on arrival the first evening, and a dinner/theatre evening on Friday night. Day trips are planned for the CN Tower, Canadian Exposition, Ontario Science Center, and Casa Loma. Deadline for sign up is June 27th.

The CRC office is still seeking nominations for candidates to run for the CRC board of directors. If you, or someone you know, is interested, please contact the CRC office today. If you've got ideas and want to become more active in CRC let us hear from you!!

The park fund continues to grow with support from you. The only way the park will be financed will be from donations from members. Please make your contribution, no matter how large or small, today. A thank you to the following people who have recently contributed:

Athene Butterfield
Jon L. Austin
Rosemary Schimizzi
Phyllis E. Hurlbut
Angela Stearns
Robert C. Baker
Paul W. Auble
Bill & Sandy Gurowitz

Summary Annual Reports of Benefit Plans

The Employee Retirement Income Security Act of 1974 (ERISA) requires that an annual report for each employee benefit plan covered by ERISA be filed with the Internal Revenue Service. In addition, ERISA also requires that summaries of these reports be distributed to plan participants.

The following summaries present all information required and conform with the style and content requirements of the U.S. Department of Labor.

Summary Annual Reports

Given below are the summaries of the annual reports for Cornell University's (EIN 15-0532082) employee benefit plans for the period July 1, 1984 to June 30, 1985, unless otherwise specified. These annual reports have been filed with the Internal Revenue Service, as required under the Employee Retirement Income Security Act of 1974 (ERISA).

Plan No.	Plan Name	Plan Year End
001	Cornell University Retirement Plan for Endowed employees	6/30
003	Tax Deferred Plan	6/30
004	Retirement Plan for Nonexempt Employees of the Endowed Colleges at Ithaca	6/30
501	Cornell Children's Tuition Scholarship Plan	6/30
502	Cornell Health Care Plan for Endowed Employees	6/30
506	Group Life Insurance Plan	6/30
508	Long Term Disability Plan	6/30
513	Air Travel Insurance Plan	2/07

Retirements Plans

Retirement Plan for Faculty and Exempt Employees of the Endowed Colleges (TIAA/CREF) - Plan No. 001

Basic Financial Statement
Benefits under the plan are provided by individually owned, fully vested annuity contracts issued by Teachers Insurance Annuity Association and College Retirement Equity Fund (TIAA/CREF). The total premiums paid on behalf of individual policyholders for the plan year ending June 30, 1985, were \$9,928,814.

Tax-Deferred Plan - Plan No. 003
Basic Financial Statement
Benefits under this voluntary plan are provided by individually owned, fully vested

annuity contracts issued by Teachers Insurance Annuity Association and College Retirement Equity Fund (TIAA/CREF), Union Mutual Life Company, Equitable Life Assurance and Fidelity Group. The total premiums, paid entirely by plan participants, for the plan year ending June 30, 1985, were \$4,528,556.

Retirement Plan for Nonexempt Employees of the Endowed Colleges at Ithaca - Plan No. 004

Basic Financial Statement
Benefits under the plan are provided by a trust agreement with Morgan Guaranty Trust. Plan expenses were \$1,569,840 in benefits paid to participants and beneficiaries. A total of 3,317 persons were participants in or beneficiaries of the plan at the end of the plan year, although not all of these persons had yet earned the right to receive benefits.

The value of plan assets, after subtracting liabilities of the plan, was \$12,082,998 as of the end of the plan year, compared to \$10,229,481 as of the beginning of the plan year. During the plan year, the plan experienced a increase in its net assets of \$1,853,516.

This increase includes unrealized appreciation or depreciation in the value of plan assets; that is, the difference between the value of the plan's assets at the end of the year and the value of the assets at the beginning of the year or the cost of the assets acquired during the year.

The plan had total income of \$2,023,247, including employer contributions of \$863,848 gains of \$189,212 in the sale of assets, and earnings from investments of \$1,000,187.

Minimum Funding Requirements
The actuary's statement shows that enough money was contributed to the plan to keep it funded in accordance with the minimum funding standards of ERISA. The plan's actuary is Tillinghast, Nelson and Warren of Newton, Massachusetts.

Cornell-Funded Plan
Cornell Children's Tuition Scholarship Plan - Plan No. 501

Basic Financial Statement
During the plan year, the plan had total income of \$3,539,753 including employer contributions of \$842,174 for students attending other institutions, and \$2,697,579 from internal transfer of funds for students attending Cornell University.

Plan expenses were \$3,539,753. These expenses included \$842,174 in benefits paid to other institutions for eligible students and \$2,697,579 in benefits paid by internal transfer of funds for eligible students attending Cornell University.

Welfare Insured Plans
Cornell Health Care Plan for Endowed Employees - Plan No. 502

Insurance Information
The plan has a contract with Aetna Life and Casualty Company to pay all hospitalization, surgical/medical prescription drug, and major medical claims incurred under the terms of the plan.

The plan is funded through a self-insured and insured arrangement. The self-insured portion is the amount paid for actual claim expenses incurred by participants.

A 'Paid Claim Liability Limit' places a predetermined cap on the amount of University funded claims. The insured portion called a premium is Aetna's charge for administering the benefits.

For the plan year ending June 30, 1985, the total amount of benefit payments (self-insured component) was \$6,738,383 while the premiums (insured component) paid were \$564,245.

Group Life Insurance Plan - Plan No. 506

Insurance Information
The plan has contracts with the Equitable Life Assurance Society of the United States which pay all death benefits incurred under the terms of the plan.

The plan is funded through a self-insured and insured arrangement. The self-insured portion is the amount paid for actual claim expenses incurred by participants.

A 'paid claim liability limit' places a predetermined cap on the amount of University funded claims. The insured portion called a premium is Equitable's charge for administering the benefits.

For the plan year ending June 30, 1985, the total amount of benefit payments (self-insured component) was \$1,423,056 while the premiums (insured component) paid was \$1,488,802.

Long Term Disability Plan - Plan No. 508

Insurance Information
The plan, which took effect on January 1, 1980, is operated under a contract with Teachers Insurance Annuity Association and College Retirement Equity Fund (TIAA/CREF) to pay certain long term disability claims incurred under the terms of the plan.

Because it is an 'experience-rated' contract, the premium costs are affected by, among other things, the number and size of claims. The total insurance premiums paid for the plan year ending June 30, 1985 under the 'experience-rated' contract was \$827,868. The total of all benefit claims under the 'experience-rated' contract during the plan year was \$406,182.

Self-Insured Long Term Disability Leave of Absence Plan

This portion of the coverage is the Long Term Disability Plan which was in effect prior to January 1, 1980. Cornell University has committed itself to certain long term disability claims incurred under the terms of this plan.

Basic Financial Information
During the plan year, the plan had total income of \$23,276 from employer contributions.

Plan expenses were \$23,276 in benefits paid to participants. This plan will continue to pay benefits to participants who became eligible for such benefits prior to the adoption of the new Long Term Disability Plan described above.

Air Travel Insurance Plan - Plan No. 513
The summary of the Air Travel Insurance Plan is for the period February 7, 1984 to February 7, 1985.

The plan has a contract with the Continental Casualty Company to pay all air travel death and dismemberment claims incurred under the terms of the plan. The total premiums paid for the plan year ending February 7, 1985, were \$11,603.

Your Right to Additional Information
You have the right to receive copies of all of the full annual reports, or any parts thereof, on request. The items listed below are included in those reports:

1. Insurance information, including sales commissions paid by insurance carriers.
2. An accountant's report.
3. Actuarial information regarding the funding of the Retirement Plan for Nonexempt Employees.

To obtain copies of the full annual reports, or any parts thereof, write or call Employee Benefits, University Personnel Services, 130 Day Hall, Ithaca, NY 14853 (607)255-7508.

The charge to cover copying costs will be \$1.00 for a full annual report or \$.10 per page for any parts thereof.

You also have the legally protected right to examine the annual reports at the main office of the plan administrator at University Personnel Services, 130 Day Hall, Ithaca, NY, and at the U.S. Department of Labor in Washington, D.C., or to obtain copies from the U.S. Department of Labor upon payment of copying costs.

Requests to the department should be addressed to: Public Disclosure Room, N4677, Pension and Welfare Benefits Program, Department of Labor, 200 Constitution Ave., N.W., Washington, D.C. 20216.

If you have any questions regarding any of the information presented in this summary, please contact employee benefits at 255-7508.

Unclassified Ads

Please submit all unclassified ads to Networking Unclassifieds, 130 Day Hall. NO PHONE CALLS PLEASE!! The deadline for the May 29th issue is May 19. For our information, your name and campus phone number must be submitted with ads. All unclassified ads are free of charge to Cornell faculty, staff, and students and will be printed in the order received as space permits. UNCLASSIFIED ADS ARE FOR NONBUSINESS PURPOSES ONLY.

For Sale

Fiat X19, 1980, low mileage transmission, new clutch, Targa AM/FM. \$4385 negotiable. Call 5-5495.

1966 Dodge Dart, automatic, little rust, running order, \$150. 272-0171.

1974 Mercury Capri, 75,000 mi, new tires, battery and alot of other parts, runs excellent. Asking \$600 OBO. Call Yang at 5-3078 after 7pm.

1977 Opel-Izuzu, std., 38,000 miles, new muffler, brakes, battery. No rust. \$1600. Nights 257-3536.

1981 Datsun 310 GX Coupe, black/silver, 5 spd, dependable, new muffler, air, Clarion AM/FM cassette, Pioneer speakers, high mileage. Body very good. \$1500 OBO. Call days 5-8580 or after 6pm (315) 536-7470.

1949 Dodge Coronet, 4-door sedan with 58,000 orig. miles, appraised at \$7000. Make me an offer for this restored beauty. 5-6646.

1984 Chrysler Laser Turbo, automatic, air, AM/FM radio, digital dash, 15,000 miles, voice module, excellent cond. Call Karen after 6pm 315-497-0548 or 5-6890 between 10am - 2pm.

1978 Ford Futura, 6 cylinder, standard, \$1400. Call after 6pm 315-497-0548.

1976 Dodge Aspen, 4-door sedan, auto, AC, FM, just inspected, drive anywhere, \$1500 OBO. 5-6646.

1978 4WD Subaru wagon, runs but has extensive rust. Best offer. 564-9328.

Honda Civic CVCC 1976 wagon. Body good cond., new parts, runs well, \$1000. 533-7847, 5-3358.

1981 Chevy Citation, 6 cylinder, AM/FM, new exhaust, 65,000 miles, \$1700. 1-532-4766.

1973 AMC Hornet, runs well, snow tires, as is. \$200 OBO. Mark 5-4165 or 273-8653.

1979 Scirocco w/ Calloway turbo-charger, rebuilt 5-speed, BBS wheels, Bilstein lowered suspension, Blaupunkt/Rockford 300 watt hi-fi, anti-theft system, more. Excellent cond., reliable. Original price over \$14,000 selling for best offer over \$6,000. Call Julian 5-3594 or 257-4283 eves.

Plymouth Volare 2976, 54000 miles, good cond. Asking \$1100. Call 257-1369 evenings or weekends, 5-3731 days (ask for Chris).

1984 Mazda B2000 pick-up, 29,000 mi, with cap, great cond., \$3500 OBO. Nancy 5-4782.

1985 Ford 7350 ton 4WD heavy duty. 4 speed, standard, excellent cond., take over payments or outright. Call (607) 659-5843 after 4:00pm ask for Barb.

Truck camper and pull behind camping trailer, both very roomy and excellent cond., with many extras. Priced to sell (cheap). Call (315) 496-2101 anytime.

1982 Suzuki 850L. Mint cond., low mileage. Call 272-5079 after 5pm.

1980 550E Suzuki, red, windshield and back rest, low mileage, good shape, asking \$900 OBO; sofabed, brown and rust plaid, good cond., comfortable, asking \$125 OBO. call 5-4137 days or 533-4308 nights.

Yamaha SECA 750, 1981, 4000 miles, mint cond., \$900 OBO. Call eves 277-1830.

1977 Honda 750, low mileage, new tires, full windshield, high backrest, excellent cond., \$800. Call after 8:00pm (607) 898-3441.

1954 restored Chris-Craft 17' Sports-

man. \$5500 includes heavy duty trailer, cover, manuals. Always stored inside, first owner documented: Phillips Exeter Academy. Carol or Ron, 257-6735.

Boston Whaler 17 Montauk, 70 HP merc. mini black max., shore land'r heavy duty roller trailer, twin tempo, 12 gallon tanks, the legend in offshore boats, \$7995 neg. call 257-5523.

Puppy, Afghan-Shepherd cross, shots, wormed. Call 273-4342 evenings.

Rototiller, good cond., \$100; humidifier, \$45; ZX81 basic programming personal computer, \$50; paint sprayer, electric, \$65. Call 5-5495.

Child's pedal car, Jaguar styling, ages 3-6, retails at \$50, yours for \$15. 272-0171.

Motorcycle trailer 3-bar-tool boxes. Call 5-4088 or 539-6280.

Fisher airtight woodstove, heats up to 2000 sq. ft. thermostatic draft control and fireplace screen. Also avail. insulated stove pipe, flashings and collars. 539-6286.

Red and white prom or bridesmaid dress, hoop skirt, size 9. Worn once, new, \$100. Will sell for \$50. Call Debbie 5-1439 or 387-3609 after 6pm.

Nikkormat FTN camera with 50mm F/1.4 lens. Also avail. Vivitar 200mm and 85-205mm lens and a Vivitar 2800 flash. 539-6286.

Waterbed, like new, king-size. Call 5-4088 or 539-6280.

Yashica Electro 35 camera, with leather case and flash attachment, \$50 OBO. Call 5-2751 days or 257-2646 evenings.

Memberships in the Cornell Sailing Club. Open to community, dues \$100, open 6 days a week until 7pm. Lessons available. Social events. 10 boats docked at Myers Point. Call 5-6049; 5-1880 or 257-7521. Look around campus for flyers.

1 good single bed and headboard, 1 small desk. Mark 5-4165 or 273-8653.

Cedar-lined wardrobe with drawers and cabinet. Excellent cond. 272-0947 after 3pm.

Artist's desk and chair, adjustable, modern and imported, brand new, asking \$125 OBO. 257-7841.

Orvis graphite 8 1/2 ft. Powerhouse fly rod for 8 wt. line, w/aluminum case, \$115. Cornell Biol. Field Sta., RD. 1, Bridgeport, NY 13030. Call Dave (315) 633-9243.

Airtight woodstove unit. Includes stove, all piping (triple wall), floor and wall protectors, woodbox, brush, pallets for stacking wood, misc items. Excellent heating unit, takes up to 21" log, good looking, \$695. Call 272-1954 recorder.

Wood stained double bed, \$15; double mattress, fair cond., free; stainless steel sink, \$15 OBO; Airequip circular slide magazines, .25' each or 5/\$1. Call H. 5-2100 or 564-9069.

Wire wheels for 1983 Olds Cutlass Ciera in excellent cond., including locking nuts and kay. Asking \$150. Call 5-4612 days or 257-0574 evenings.

Have several hundred bottles I wish to get rid of. Uncertain of value if any. Old milk bottles, soda bottles, medicine bottles and many more. Come take a look and make an offer if they are worth anything. Contact Kevin Sharp at 5-4951 or 657-8179.

Students and others save on rent with this 12 x 60 mobile home. 3 bdrms, self-defrosting refrigerator, self-cleaning oven, 3 shed. In park on tomtrani route, can be moved, \$6500. Call 347-4963 after 5pm.

Mobile home, 1985 Fairmont, 14 x 80, excellent cond., 3 bdrms, 2 full baths, washer/dryer, Dryden park, \$500 down, assumable mortgage for qualified buyer. 273-4736 eves.

Mobile home, 1973 Festival 14 x 70. 3 bdrms 2 10x16 add-on, large shed, appliances, washer and dryer, 11,000 BTU air cond., wood stove. Asking \$11,500 negotiable. Set-up in Newfield park. Call 5-

4289 days or 564-7908 eves.

1977 Concord Deluxe mobile home, 14 x 65, 3 bdrm. Call 273-0093.

Wanted

16 foot Hobie Cat, reasonable. Call Laurie, Vet School, 3-3216 or (607) 535-4118 nights.

Ford 302 motor in good running order. I have a perfect 1978 Ford truck whose motor couldn't stand up to Ithaca hills. Would consider buying Ford truck completely rusted out but in good running order. call Jim 5-8364 days or 277-5608 eves.

Lab or Lab mix, up to 2 years old. Must be good with children. Call Linda 5-7003 or 898-5040.

Used band saw. Call 5-2564 or 273-6738.

Screen door, 36" x 80" wood or aluminum. Call 257-6976 after 6:30pm.

Dehumidifier for basement, in good working order. Also will pay cash or barter for your broken TV's, radio's, hi-fi's, etc. Michael 5-1941 days or 753-8915 evenings and weekends.

Sailboat, prefer O'Day Daysailor, 17'-19'. Will consider boat which needs some minor work. Wood ok. Call 5-5292 days or 387-5465 after 6pm.

Cornell academic gown in good cond., will pay fair price. Call David at 257-0426.

TO BORROW OR RENT: Port-a-crib for granddaughter's visit May 30 - June 6. Please call Nancy at 5-3354 days, 257-7270 eves. or weekends.

Free

To good country home, black and white border collie, male, born March 1985, extremely friendly and very intelligent. Loves children and other animals, needs room to run, favorite sport is Frisbee catching. Would like to be your constant companion. Interested? call Judy at 5-2143 or 844-4151 eves or weekends.

For Rent

1 bdrm apt., unfurn., Dryden Rd., upper Collegetown, parquet floors, nice windows, quiet bldg., heat incl. parking. Ideal for couple, postdoc. Bob 5-7987 (days), 272-0313 (eves until 11:00). Available May.

2 bdrm. mobile home, nice location in local park. Place for washer and dryer, carport, awning over patio, tool shed. Available May 1. References. call 564-7227 after 2pm.

New, large 1 or 2 bdrm apt., hardwood floors, Dryden/Freeville area, 15 minutes to Cornell, on-bus route. 844-9132 days or 844-9745 eves.

A summer sublet 1 block from Commons, 4 bdrm furnished house available 6/15 - 9/1, \$650 includes utilities. 257-3236.

Apt. to share, available June 1, West Hill, 10 min. drive to Cornell. \$200 includes utilities, parking. On bus line. Swimming pool. call Rich 273-3831 or 5-3033.

Large furnished efficiency apt., 7 miles to Cornell, sliding glass doors to patio, nice hiking area, grad student, faculty or single person. Call 273-1692 after 6pm.

Country setting, 1 room in 2 bdrm. apt. with large living room, kitchen, and great view. 5 miles (10 min.). June 1 - Aug. 15 with option for next year. \$300/whole summer. Call Graham or Paul 277-4552.

1 bdrm in 3 bdrm apt., 3 miles north-east of campus, grad or working adult preferred, \$155 incl. heat, 1 year lease, nonsmoker and no pets. call 257-5492 nights and weekends, 5-8064 weekdays, ask for Shelley.

Apt. available April 1. Faculty, grad student, large one bdrm, apt, unfurnished. Chestnut Hill, carpeted, patio, pool, air cond., great view of downtown Ithaca, on bus route, year lease preferred, but will consider sublet until end of August. \$370/month includes heat. 277-4269 eves.

Eastern Heights: 2 bdrm, ground floor apt, unfurnished, carpeting, deck, laundry hook-up, on bus route. Suitable for 1-2 faculty or employees. No dogs. Lease. \$450 month includes heat and water.

Elmira/Horseheads Bus Now Running

Bus directly from the Elmira/Horseheads area to campus and return. \$25 per month. The bus is now running. For more information contact Sue Hamlin at 277-3044.

West, 2 bdrm (\$410/mo.) or 3 bdrm. (\$505/mo.). Call Lonny or Mike 257-5469.

Furnished sabbatic home, July 20, 1986 - July 31, 1987. 3 bdrms, 2 1-2 baths, LR, DR, den with fireplace, new family room and deck, laundry, 2-car garage, appliances, quiet neighborhood, park-playground nearby. 5-10 minute drive to campus. \$750 month utilities. 5-7602 or 272-8725.

Sabbatical house. Mid-August to mid-January. Furnished, 9 miles from Cornell, faculty or grad couple/family. Nonsmokers only, secluded, quiet location, 3 bdrms, study, sewing room, family room, laundry room, 2 baths, piano, deck, patio, fireplace. Off well-maintained school bus route. \$500 month utilities. 564-9328.

Sabbatical house, avail. Sept. 1, furnished, 3 bdrms, laundry, piano, 2 acres, 8 miles from campus, suitable for visiting faculty, grad students, no pets. \$540/mo plus utilities. 347-4371.

Sublet country complex past airport, 1 bdrm, \$321 electric (approx. \$15/mo.) May 1 - August 31 with option to renew. Pets okay. Call 257-2030 (x422) or 257-5989 ask for Leslie.

Wanted to Rent

3 bdrm house, Lansing schools, references. After 4pm. 533-7188.

Trailer lot for 14 x 65 mobile home. Occupancy by May 15th. Call 273-0093.

Carpool

Space available for additional driver in carpool from Addison/Corning/Elmirs areas to Cornell. Call Al Wright from 8-4:30 for information.

Employee Calendar

Events of Particular Interest to Cornell Employees

Events of Particular Interest to Cornell Employees

Saturday, May 17. CRC Vernon Downs trip. Call the CRC office at 5-7565 for more information.

Wednesday, May 21. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

Wednesday, May 21. Nature photographer's forum. Cornell Plantations classroom, 7:30pm. A slide talk by Warren Philipson, director of CLEARS on "Remote Sensing: Where, What, When and Why?" Everyone welcome. Information: Suzanne Henderson 539-6541.

Wednesday, June 4. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

Saturday, June 7. CRC annual picnic. Call the CRC office at 5-7565 for details. Monday, June 9. Cornell service awards banquet. Call the personnel office for more information.

June 13 - 15. CRC deep sea fishing trip to Seabrook, NH. Payment due by May 15. Call the CRC office at 5-7565 for more information.

Wednesday, June 18. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

August 14 - 17. CRC Toronto trip. Call the CRC office at 5-7565 for more information.

Saturday, September 20. Employee Day. Cornell vs. Princeton game. Call Peg Landau at 5-6894 or George Peter at 5-5274 for details.

Networking Deadlines

1986 Deadlines

May 19 for May 29
June 16 for June 26
July 14 for July 24
August 11 for August 21
August 25 for September 4
September 8 for September 18
September 22 for October 2
October 6 for October 16
October 20 for October 30
November 3 for November 13
November 17 for December 4
December 8 for December 18
(holiday issue)

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