

Cornell Chronicle

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Networking

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Thursday, October 31, 1985

First National Center to Be Fully Operational

Production Supercomputer Facility Here Opens Today

One of the world's most powerful computers — at the first national supercomputer center to be fully operational — will be unveiled publicly at Cornell today.

The Production Supercomputer Facility, composed of one of IBM's most advanced mainframe computers and four smaller Floating Point Systems computers, is the first portion of Cornell's Center for Theory and Simulation in Science and Engineering to go into operation, according to Linda Morris, manager of program support at the center.

Attending the 4 p.m. opening ceremonies of the supercomputer's permanent home, a room the size of a basketball court in Comstock Hall, will be Nobel Laureate Kenneth G. Wilson, director of the Theory Center, Cornell Provost Robert Baker, and Kenneth

M. King, vice provost for computing. They will be joined by Jack D. Kuehler, senior vice president and group executive of IBM, and Lloyd Turner, chief executive officer of Floating Point Systems.

Also on hand will be Lawrence Lee, program director for supercomputer centers at the National Science Foundation, and H. Graham Jones, director of the New York State Science and Technology Foundation.

Last February, Cornell was named one of four national advanced scientific computing centers by the NSF. Each center will contain a supercomputer capable of performing at least a hundred million arithmetic operations per second. Cornell's is the first of the four centers to begin operating after the NSF awards, Morris said. The Cornell facility actually went on line at 7:30 a.m. Thursday,

Oct. 24.

The definition of a supercomputer changes as each new generation makes older models obsolete. At Cornell, for example, researchers will be working with a new machine that will be a thousand times more powerful than present supercomputers. In addition, Theory Center staff will be developing software for its supercomputer.

Because of the extreme dependence of many scientific fields on massive computing power, universities with supercomputers are expected to expand on their leadership roles as centers of research.

At Cornell's Theory Center, research has already been conducted using an interim supercomputer on varied topics such as the formation of black holes in outer space, patterns of forest growth, and quantum

chromodynamics — the theory currently believed to govern the structure and interactions of protons, neutrons, and related short-lived particles.

In addition to NSF funding of \$21.9 million, Cornell's Theory Center is receiving more than \$30 million in equipment and services from IBM and New York State. Support from several other corporations is being negotiated through the center's research institute, Morris explained. Over the next three years at Cornell, more than \$60 million will be committed to supercomputing research, she added.

The other supercomputing centers are the University of Illinois at Urbana-Champaign, a consortium based at the John Von Neuman Center in Princeton, NJ, and a consortium based in San Diego, CA.

Research Animal Resource Center Assures Proper Animal Treatment

By ROGER SEGELKEN

The humane treatment of all animals used in research and teaching at Cornell is the responsibility of the Center for Research Animal Resources.

The center, headquartered in the State College of Veterinary Medicine, is responsible for all animals owned by the university. Its purview extends from an Ithaca woodchuck colony where hepatitis is studied to marine laboratories at Woods Hole, Mass., and from the psychology department's canaries to rabbits at the New York State Agricultural Experiment Station at Geneva.

Approximately 44,000 animals are used in Cornell's Ithaca facilities and 7,000 animals at the New York Hospital-Cornell University Medical Center in New York City.

About 92 percent of the 7,000 animals housed daily at the medical college are mice and rats. Animals are studied in two New York State colleges at Cornell — Veterinary Medicine and Agriculture and Life Sciences — and the nutritional sciences and biological sciences divisions.

"The center works with all individuals who use animals, to make sure the animals are maintained well and that research is conducted in a humane manner," says Dr. Fred W. Quimby, director of the center.

"We make certain that pain and stress are minimized at every step during research that uses animals."

The center's second priority is to protect the interests of Cornell, which is no small responsibility. A violation of government regulations could result in the loss of certification to use animals in research.

Quimby, a veterinarian with certification in laboratory animal medicine and a Ph.D. in pathology, is one of two veterinarians in charge of the research animal center in Ithaca.

ca. The other, Dr. Lloyd A. Dillingham, is also a specialist in laboratory animal medicine.

The specific interests of the two veterinarians complement each other, providing an important balance. In addition to his administrative responsibilities, Quimby's research involves development of animal models for diseases afflicting humans. Dillingham's responsibility is the clinical care of animals that are used in research and teaching; he does not conduct experiments with animals.

"The balance of interests represented by the center's staff as well as by members of the university's animal welfare committee is important in assuring that proper use and care policies are formulated and followed," says Joseph M. Ballantyne, vice president for research and advanced studies.

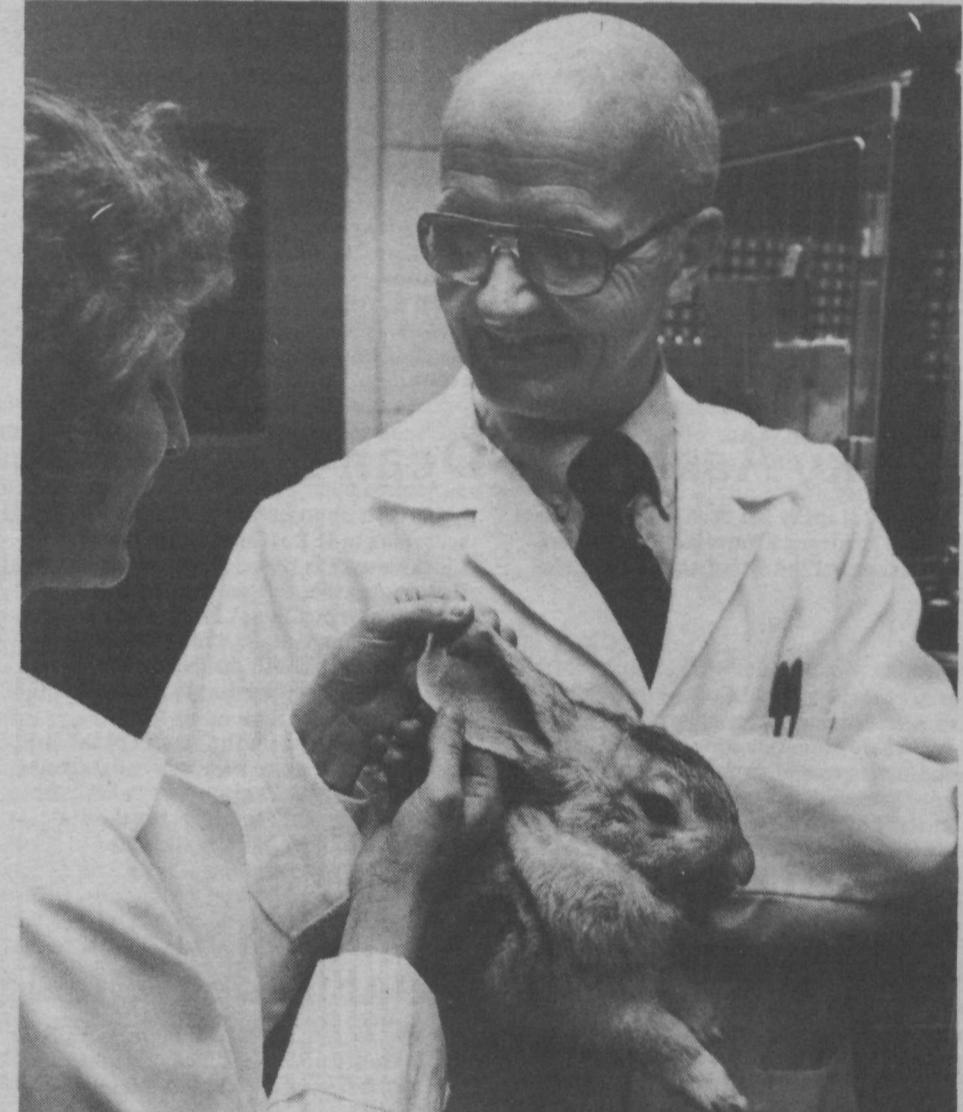
The center is funded through Ballantyne's office to assure that proper care of laboratory animals is not limited by researchers' budgets.

Concern for the welfare of animals begins before they arrive in the laboratory. The center offers training to all new employees who will be working with animals, including principal investigators (the lead scientists), all other research personnel, and animal technicians.

Two courses a year are offered to faculty members, three a year to veterinary students, and one to new animal technicians. Course topics range from proper nutrition for gerbils to the ethics of using animals in biomedical research. The center also coordinates the occupational health program for all animal handlers, with concern for the health of humans and animals.

In addition, design and alterations of animal housing and research facilities are re-

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John Gilmartin, associate director of Cornell's Center for Research Animal Resources, displays identification markings in the ear of one of the rabbits used in biomedical research. Both human and animal health benefit from such studies.

Researchers Run Maze of Regulations In Use of Laboratory Animals

By ROGER SEGELKEN

On this campus and elsewhere, research and experiments involving animals are under nearly constant supervision from a multitude of regulatory agencies, committees, and inspectors.

While alternatives to using animals are increasing, Cornell researchers who must use live animals in their studies face stringent review of their proposals and experiments by government agencies and the university itself.

"Review at multiple levels, while adding to the burden of the investigators and all individuals involved in the review, is a necessary and proper device to assure that the use of animals is in the best interests of all concerned," says W. Bruce Currie, associate professor of animal science at Cornell and chairman of the university's Institutional Animal Care and Use Committee.

"We are all obliged to systematically consider a variety of aspects of our work, to consider alternatives to using animals, and to

rationalize the balance of benefits from a proposed study against the costs," Currie adds.

The maze of review and regulations begins when researchers seek support from a funding agency, such as the National Institutes of Health, the National Science Foundation, other federal and state agencies, or private organizations such as the American Cancer Society.

Proposals for animal research funding from Cornell researchers trigger an automati-

c review by the university's Institutional Animal Care and Use Committee. The six-member review panel consists of faculty members and administrators — including scientists who do not conduct animal studies and non-scientists — who ask the researchers to describe the "potential contributions (the studies) ... may have on the broad disciplines of biology and medicine."

Researchers must provide the committee with a detailed description of how the ani-

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Sagan Gives Gifford Lectures

Carl Sagan, the David Duncan Professor of Astronomy and Space Sciences here, delivered the prestigious Gifford Lectures in Natural Theology Oct. 14-31 at the University of Glasgow.

Speaking on "The Search for Who We Are," Sagan delivered 10 lectures in the series that was established 100 years ago "to encourage nonsectarian discussions in natural theology."

The Gifford lectureship rotates among the four so-called ancient Scottish universities. Previous lecturers have included Niels Bohr, Paul Tillich, Arthur Eddington, John Dewey, Albert Schweitzer, William James, Alfred North Whitehead, Werner Heisenberg and Reinhold Niebuhr.

While in Great Britain, Sagan also gave a discourse entitled "On the Eve of the Comets," at the Royal Institution in London.

BTI Scientists Lead American Air Pollution Delegation to China

Fifteen of America's leading experts in the effects of air pollution, led by scientists from the Boyce Thompson Institute for Plant Research here, are helping the People's Republic of China evaluate air pollution's effects on crops and forests.

Sponsored by the Jiangsu Province Academy of Science, through the Nanjing Botanical Institute, the program is offering to more than 200 Chinese scientists the best American technology for monitoring and

evaluating the damage from that country's serious pollution problem.

The three-week effort, titled the U.S.-China Air Pollution Technology Workshop, began Wednesday and will continue through Nov. 19.

"Air pollution damage is much worse in China than in the United States, but it is different," according to Leonard H. Weinstein, a plant physiologist at Boyce Thompson In-

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PEOPLE

Burness Vice President for University Relations

John F. Burness, associate chancellor for public affairs at the University of Illinois at Urbana-Champaign, has been named vice president for university relations at Cornell.

Burness, who will report directly to President Frank Rhodes, will assume his new responsibilities in January 1986. His appointment is the culmination of a six-month search.

Burness succeeds David L. Call, dean of the State College of Agriculture and Life Sciences, who agreed to serve for one year in the newly created position, effective July 1984. Call returned to the deanship in July 1985.

In announcing the appointment, Rhodes said: "John Burness brings to this position an unusual breadth of experience and record of success. I am delighted that he has agreed to join us, and I am confident that he will enable Cornell to achieve a forceful advocacy for its programs and a wider public understanding of its mission. Mr. Burness comes to us with the enthusiastic support of the various faculty, staff, and administrative

groups that have met with him."

Burness, 40, has 15 years of experience working directly with the president of the State University of New York at Stony Brook and the chancellor at Illinois.

At Cornell, Burness will serve as principal adviser and assistant to the president in the broad area of university relations. He will be responsible for relations with local, regional, and national media organizations, and will be in charge of all university publications and printing services.

In addition, Burness will coordinate the university's activities with federal, state, and local governments. As a member of the central administration's executive staff, Burness will provide advice and counsel in the development of university policy.

Burness holds a bachelor's degree in government (1967) from Franklin and Marshall College. He is completing a doctoral degree in behavior and higher education management at the University of Maryland.

He was assistant to the president of

SUNY-Stony Brook from 1970 to 1977 and also was secretary of the Stony Brook Council from 1974 to 1977. He was deputy to the president for university affairs at Stony Brook from 1978 to 1981.

From 1976 to 1979, he was a member of the special advisory committee on higher education and economic development appointed by Kenneth P. LaValle, chairman of the New York State Senate Committee on Higher Education.

Burness joined the administration at Illinois in 1981 as director of public affairs; two years later, he was named acting director of the Illinois office of public affairs. In 1984, he was named to the newly created position of associate chancellor for public affairs.



JOHN F. BURNESS

Kim Named 'Communicator'

Yong H. Kim, manager of the News and Feature Service here, has been named the "Farm Communicator of the Year" for 1985, the top award given by the Northeast Farm Communicators Association. NFCA is a professional organization of writers, editors, broadcasters, and others involved in reporting agricultural news.

Susan S. Lang, a science writer, also in the News and Feature Service, won an award for "outstanding news reporting in the field of agriculture." Her winning entry was cited as the "best story promoting Northeast agriculture."

In addition to the NFCA's top honor, Kim received an award for an article in the "best general farm story" category. His entry was

cited as best among 20 judged in this year's communication competition sponsored by the NFCA, which has members throughout the Northeast.

Kim's winning article describes Cornell's long-term study of biosynthetic bovine growth hormone which, when injected into milking cows, increases their milk yields dramatically — a breakthrough expected to have a worldwide impact on dairying.

Lang's article explains a new biotechnology process capable of boosting yields and the nutritional value of cheese dramatically, based on research conducted at Cornell. The process, called "ultrafiltration," is seen as one of the best examples of biotechnology in action.

Lipsky Associate Dean in ILR

David B. Lipsky has been named associate dean for academic affairs in the New York State School of Industrial and Labor Relations.

Paul L. Houston has been elected professor of chemistry in the College of Arts and Sciences. Houston is an expert in laser chemistry, where his major contributions have been in the areas of surface-gas interactions, photodissociation dynamics, and energy transfer kinetics. He has been honored as an Alfred P. Sloan Research Fellow (1979-81) and received the Camille and Henry Dreyfus Teacher-Scholar Award in 1980.

S. Kay Obendorf, chair of the recently established Department of Textiles and Apparel in the State College of Human Ecology, has been promoted to the rank of professor, effective July 1, 1985. An expert in textile science, Obendorf does research in the application of analytical microscopy and spectroscopy to the study of fibers and films. The producer of a series of 14 teaching videotapes on the testing of textiles, Obendorf also serves on the Eastern Regional Board and National Board of the Association of College Professors of Textiles and Clothing, and on the executive board of the Cornell section of the American Chemical Society.

Lipsky's appointment was effective July 1, according to ILR Dean Robert E. Doherty. Lipsky succeeds Doherty, who was named ILR dean earlier this year.

In his new position, Lipsky is responsible for curriculum matters and other academic affairs in the school's resident program. He also serves as chief adviser to the dean of the ILR School.

Lipsky has been on the faculty of the ILR school's department of collective bargaining, labor law, and labor history since 1969. Before that, he taught four years at the State University of New York at Buffalo.

1982 Grad Matott Gets Fulbright Grant

Larry Matott, a 1982 graduate, is studying Japanese architecture in Tokyo under a one-year grant from the Fulbright Exchange Program.

Matott, who earned a B.A. degree in computer science and visual perception at Cornell, also studied Japanese in the university's one-year intensive foreign language program known as FALCON (Full-year Asian Language Concentration). FALCON, part of the Department of Modern Languages and Linguistics, offers advanced language instruction in Chinese, Japanese, and Indonesian.

Matott is pursuing a degree in architecture at the Harvard Graduate School of Design.

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

Allee Wins National Award

David J. Allee, professor of resource economics in the New York State College of Agriculture and Life Sciences, is the recipient of the 1985 American Water Resources Association Icko Iben Award.

The award, named for a co-founder of the national organization, recognizes persons who have promoted communication among the various disciplines concerned with water resources problems.

A member of the faculty in the Department of Agricultural Economics since 1963 and a

fellow of the association since 1983, Allee is a national expert on water resources. A former associate director of Cornell's Water Resources and Marine Sciences Center, and past president of the Universities' Council on Water Resources, Allee recently chaired the National Conference on Water Resources Research. More recently, he returned from sabbatic leave after serving as a consultant to the U.S. Bureau of Reclamation in Denver.

Allen Heads Extension in NYC

Ruth Allen has been appointed director of Cornell Cooperative Extension programs in New York City, effective Oct. 10. She succeeds Eugene Ezersky, who retired earlier this year.

Allen will be responsible for program and administrative leadership of a staff of more than 100. Cornell Cooperative Extension in New York City conducts informal educational programs in home economics and nutrition, urban horticulture, 4-H youth development, and housing.

Allen's appointment was made by Lucinda A. Noble, director of Cornell Cooperative Extension, headquartered on the campus of Cornell as the land-grant and sea-grant institution for New York State.

Cornell Cooperative Extension in New York City is best known for its consumer education program under way since 1948, expanded food and nutrition education program, urban horticulture program for city

gardeners, housing programs including the "HANDIVAN" program that helps New Yorkers maintain and repair their homes, and its 4-H Youth Development program that serves tens of thousands of young people.

It has a citywide administrative office located at 15 E. 26 St. in Manhattan and 11 field offices throughout the five boroughs.

Allen, who joined Cornell Cooperative Extension as associate district director in New York City in February 1984, has been serving as acting director since June 1, 1985.

Before joining Cornell Cooperative Extension, she was a professor and coordinator of consumer studies at Brooklyn College of the City University of New York. Previously, she served as consumer education program manager for the J.C. Penney Co. and taught home economics in the New York City public school system.

BTI's Young Cited by Oregon State

Roy A. Young, managing director of the Boyce Thompson Institute for Plant Research here, is one of four persons cited by Oregon State University for Distinguished Service Awards.

Young, who has been with BTI since 1980, was professor of plant pathology at OSU from 1948 to 1976. During that period he was head of the department of botany and plant pathology, dean of research, vice president for research and graduate study and acting president. As the first OSU dean of research, he is credited with putting in place

the plans and programs that have helped OSU become a major research university.

David Parsons of 1089 Warren Road has been named one of 32 outstanding students nationwide to receive a Future Teacher Scholarship from the Metropolitan Life Foundation. A junior in the State College of Agriculture and Life Sciences, Parsons will receive \$2,000 during his junior and senior years at Cornell. The agricultural education major was selected from among more than 300 applicants.

Off-Campus Life Notes

The Collegetown Neighborhood Council met at Psi Upsilon Fraternity, 123 Dryden Road, on Monday, Oct. 28 to plan the Meet Your Neighbor Open House (see remarks below). This is only the second time any Collegetown neighborhood organization has met at a fraternity (the first occasion was the meeting at Alpha Phi Alpha in early September). We thank the fraternities and other student organizations such as the Cornell PIRG, Off-Campus Life Committee and Gamma Alpha Co-op for the interest and concern shown for their neighborhood. Good things are happening in Collegetown due to the increased interaction between students, student groups and local residents. Other Neighborhood Council projects underway include a "Good Neighbor Handbook", a Housing Hotline, and exploration of another Neighbor Fair. Anyone interested in being involved in neighborhood activities should call Jeff Casaburri or Deb Roy at 256-5373.

The Collegetown Neighborhood Council Open House will be held on Saturday, Nov. 9 from 1-3 p.m. at Gamma Alpha Co-op, 116 Oak Ave. All members are the Collegetown community are invited to attend and are urged to bring a neighbor. The purpose of the open house is to encourage people to meet and know their neighbors, and to familiarize them with neighborhood organizations and sources of assistance. After brief remarks by neighborhood residents and officials, refreshments will be served and entertainment will be provided by Peggy Haine. A series of information tables will also be provided by the Public Interest Research Group and by the Off-Campus Life

Committee of the Student Assembly. Volunteers are needed to help with hosting and refreshments.

The Off-Campus Life Committee of the Student Assembly will meet on Thursday, Nov. 7 at 4:45 p.m. in 103 Barnes Hall. The committee will discuss preparations for the Housing Hotline and involvement in the Meet Your Neighbor Open House. Volunteers are needed for both projects, as well as for an upcoming housing survey. Meetings are open to all students. If you are interested in joining the Off-Campus LIFE Committee, or helping with any committee projects, call Dan Rudd at 273-5801.

Recruitment will soon be under way for mid-year off-campus counselors. OCC's are student volunteers who assist new students in their housing search, and in their adjustment to living in the Ithaca community. Volunteering requires a commitment to attend two training/planning sessions, and to cover two two-hour shifts between Jan. 15 and 24 at the Off-Campus Housing Office. If you are interested in volunteering for this contact Deb Roy at 256-5373.

Legal advising for off-campus housing matters is available Thursdays, by appointment, at the Dean of Students Office. Call Cindy Wright at 256-5373 for further information or stop by 103 Barnes Hall.

Now is the time to begin listing your spring semester housing availabilities. In order to place a listing with the Off-Campus Housing Office the dwelling must be in compliance with the city housing code, and a non-discrimination pledge must be signed. For further information contact Cindy Wright at 256-5373 or stop by 103 Barnes.

'Neglected Stock' Theory Holds Up Strongly in Quarter

By MARTIN B. STILES

Supporting the "neglected stock theory" proclaimed by Cornell University finance professor Avner Arbel, the stock market's top 10 gainers during the third quarter of 1985 were companies ignored by big investors.

The number one gainer between July 1 and Sept. 30 was International Remote Imaging Systems; its stock increased 150 percent in value. Only nine of the nation's leading financial institutions held stock in the firm, compared to the some 1,700 that held IBM stock, a typical non-neglected stock, according to Arbel, a professor in Cornell's School of Hotel Administration.

Five percent of the total number of leading investors who hold stock in IBM is the benchmark Arbel uses to define what he calls a neglected stock. These are unpopular stocks that he says consistently beat the stock market averages by at least double, and often more.

Currently, Arbel's benchmark is 85 institutional holdings. Nine of the 10 top gainers on the stock market during the third quarter were held by no more than nine of the leading investors.

Arbel's research reveals that over the past 10 years, regardless of the time span surveyed — day, week, quarter, or full year — neglected stocks always dominate the gainers list. They account for at least 80 percent of the list.

His years of research also reveal that the

only common denominator among the "stock market winners" is that they are neglected stocks.

Arbel argues the neglected stock theory in his book, "How to Beat the Market with High-Performance Generic Stocks," published last June by William Morrow & Company, Inc. The book, which has been widely acclaimed in the financial press, is scheduled

to come out in the paperback in June 1986.

The Cornell professor says the top 10 gainers for the third quarter no longer can be considered neglected stocks, now that they have been discovered and identified extensively in the financial press.

So, it's back to the drawing board for investors interested in applying the neglected stock theory, he says.

Arbel has no fear that the market will run out of neglected stocks, no matter how widely the theory is accepted and applied.

With the ebb and flow of business fortunes and the constant introduction of new business ventures to the market, Arbel says there always will be the possibility of a 1940 vintage IBM stock hidden in the numerical maze the market presents daily to investors.



Alcohol: Making People Aware

As part of an effort to increase awareness about the dangers of alcohol abuse and to promote responsible drinking, several organizations distributed samples of alcohol-free beer and alcohol-free wine in the Willard Straight Hall lobby last Friday, during National Collegiate Alcohol Awareness Week. The samples, and educational materials about alcohol, were provided by the Straight Scoop ice cream parlor; Alcohol Education, Research, and Training (ALERT); and University Health Services.

Council on Education Elects Rhodes

President Frank Rhodes was elected Tuesday as vice-chairman and chairman-elect of the American Council on Education. The council is the nation's principal, independent, non-profit, coordinating body for all of higher education. It has more than 1,400 member institutions, including national and regional educational associations, colleges and universities.

Its membership includes proprietary two-year and four-year colleges, as well as colleges of liberal arts and major research universities. It is the over-arching and coordinating council among all the associations of higher education and its member colleges and universities.

Program on Reason, Social Values and Policy to Be Started Here

Cornell is establishing a new program that focuses on problems of social responsibility and conscience.

The Program on Reason, Social Values, and Policy will emphasize problems faced by Cornell graduates but that are rarely included in their specialized and professional training, according to Walter Lynn, director of Cornell's Program on Science, Technology, and Society.

Lynn chairs the RSVP search committee, which is seeking two full-time faculty members, one of whom will direct the program scheduled to begin as early as the summer of 1986.

"The program will emphasize the development of faculty competence, resources, and confidence in dealing with moral and policy issues that arise within their own fields, so that a systematic and rational approach to such issues can be integrated into their courses," Lynn explained.

Among the activities being considered for the RSVP program are faculty development seminars on basic issues in ethical theory and normative problems that cut across various disciplines and professions; and the collaborative development of course modules, or units for existing courses, to illustrate and systematically explore problems of ethics

and public life to illustrate systematic, rational approaches to concrete problems in public and professional affairs.

One senior faculty member, who will serve as director of the program, and one junior faculty member are being sought from the fields of social philosophy, political theory, public policy, or formal theory. The faculty will have appointments in either the government or philosophy departments in the College of Arts and Sciences and the STS program.

The RSVP director will be responsible for the summer faculty development seminars, course development, and supervision of the

search for the junior RSVP staff member who will share in the other program responsibilities.

An advisory committee of cooperating faculty from various fields will aid the program staff.

Applications and nominations for the program are now being sought and should be sent to Lynn at 632 Clark Hall. Applications (including a curriculum vitae, a sample of written work, and a list of references) received by Jan. 15 will be given preference.

New Medical Information Delivery Center Established at Vet College

Busy health professionals who feel they can barely keep up with all of the headlines, bulletins, news items, articles, and publications spewing from their television set, radio mailbox, and in-basket now have a ray of hope from the New York State College of Veterinary Medicine here.

The opening of the Cornell Center for the Study of Medical Informatics may signal a revolution in information delivery of medical information. The new center, under the

direction of Roy Pollock, assistant professor of medical informatics, is operated in conjunction with the college's computer facility.

Informatics literally means information science; specifically, it means the study of how to use computer technology to deliver medical information more efficiently, more rapidly, and in a more timely fashion. Information in all medical fields has now burgeoned beyond the scope of any one person's ability to memorize or even note the salient

facts, thus it is logical to call on computers to help handle the immense burden of data, Pollock says.

"Medical knowledge is of no use unless it is readily accessible to clinicians at the time and place it is needed. The search for better methods to store, retrieve, and deliver medical information may well become as important as the new knowledge itself," he explains.

The center will concentrate first on the theoretical and practical aspects of medical information science and the needs and problems associated with creating large scale networks. Cornell's veterinary medicine college has an excellent head start; it's already known as the leader in computer-based records systems for veterinary teaching hospitals. Then too, Cornell's Department of Computer Science is widely respected. Four other veterinary colleges have already adopted the hospital records system developed by Cornell's vet college. The center, the first of its kind in veterinary medicine, intends to build on these strengths to establish Cornell as an internationally recognized leader in this new and important field.

Pollock hopes the center will help foster collaboration among faculty throughout the campus who are interested in the problems of information transfer, storage, and retrieval, and that the results of the research will be of direct practical benefit to veterinarians.

Establishment of the Center for the Study

of Medical Informatics, was made possible by a gift from Catherine Snee.

Charles Rickard, who had been acting dean of the college, recognized the valuable contribution such support makes when he said: "Once again, this proves how important the private support of the friends and alumni of the college is to our ability to seize the opportunity to set the pace in important new areas of medicine and technology."

Pollock has already attracted considerable attention in the veterinary community with his experimental program, "PROVIDES," which attempted not only to provide up-to-date information on current tests, treatments, and prognoses, but also to assist clinicians in formulating differential diagnoses for selected problems in canine internal medicine. He was a keynote speaker earlier this month at a symposium on computer applications in veterinary medicine at Texas A & M University.

Pollock, who holds both the D.V.M. and Ph.D. degrees from Cornell, served as an assistant dean for curriculum at the veterinary college from 1981 to 1985.

"It was in that capacity that I came to realize that many of the problems in medical education resulted from exponentially expanding date bases and that these could not be resolved by traditional methods of instruction and information transfer," he said.

Kingsley Play Will Open Here Nov. 7

for his play "Men in White."

Stephen Cole, the director of "Darkness at Noon," has been a professor of acting at Cornell for 18 years. Last season he directed Theatre Cornell's production of "Beyond Therapy." The guest set designer is Dick Block. Marcy Grace Froehlich is the guest costume and make-up designer. Lighting is by Ralph Dressler, sound is by Jeffrey Lind, and film direction is by Marilyn Rivchin.

"Darkness at Noon" will run Nov. 7-9, 14-16, and 21-23 at 8 p.m. and Nov. 17 at 2:30 p.m. in Willard Straight Theatre. Tickets are available at Theatre Cornell Box Office in 101 Willard Straight Hall from 1-6 p.m. Mondays through Fridays and one hour before all performances. Special group rates are available. For reservations and information call 256-5165.

"Darkness at Noon" is the story of a persecuted old guard Bolshevik who is imprisoned by the new regime for crimes against the state. Rubishov's life is told in flashbacks and engrossingly powerful scenes. Although the play was written in 1951, it is still timely as dramatic representation of the struggles of a revolutionary.

Kingsley recently received Cornell's certificate of recognition for special achievement. He was awarded the Pulitzer Prize in 1937.

New Severe Virus Bewitches Pumpkins and Other Cucurbits

An aphid-transmitted plant virus that attacks everything from Halloween pumpkins to cucumbers is reaching epidemic proportions in this country, according to a plant scientist here.

"It's really developing into quite an epidemic," said Thomas Zitter, an associate professor of plant pathology in the New York State College of Agriculture and Life Sciences at Cornell. "It's the greatest threat to cucurbits that we know."

The disease, known as "zucchini yellow mosaic virus," affects all cucurbits, a genera of vegetable crops that includes pumpkins, cucumbers, squash, and melons.

According to Zitter, the disease is spreading rapidly and stands to threaten the output of cucurbits in several states.

Plants infected with the virus show symptoms such as mottled leaves and bumpy, disfigured, and discolored fruits. Infected pumpkins, for example, lose their symmetrical shape to a series of bumps that cover the otherwise smooth surface. The infected fruits are safe to eat, but their appearance will make them less marketable.

"Most growers are afraid to put them on their roadside stands," Zitter said.

The virus is doubly damaging because it not only disfigures the fruits, but it reduces the yield of the crop. In extreme cases, it can eliminate an entire crop. Recently, Zitter witnessed a case where the disease ruined 90 percent of the pumpkin crop on a New York farm.

Scientists first identified the disease in northern Italy in 1981; later that same year, it was discovered in southern France. Today, zucchini yellow mosaic virus has been found in several European countries, as well as the United States, Morocco, Lebanon, Israel,

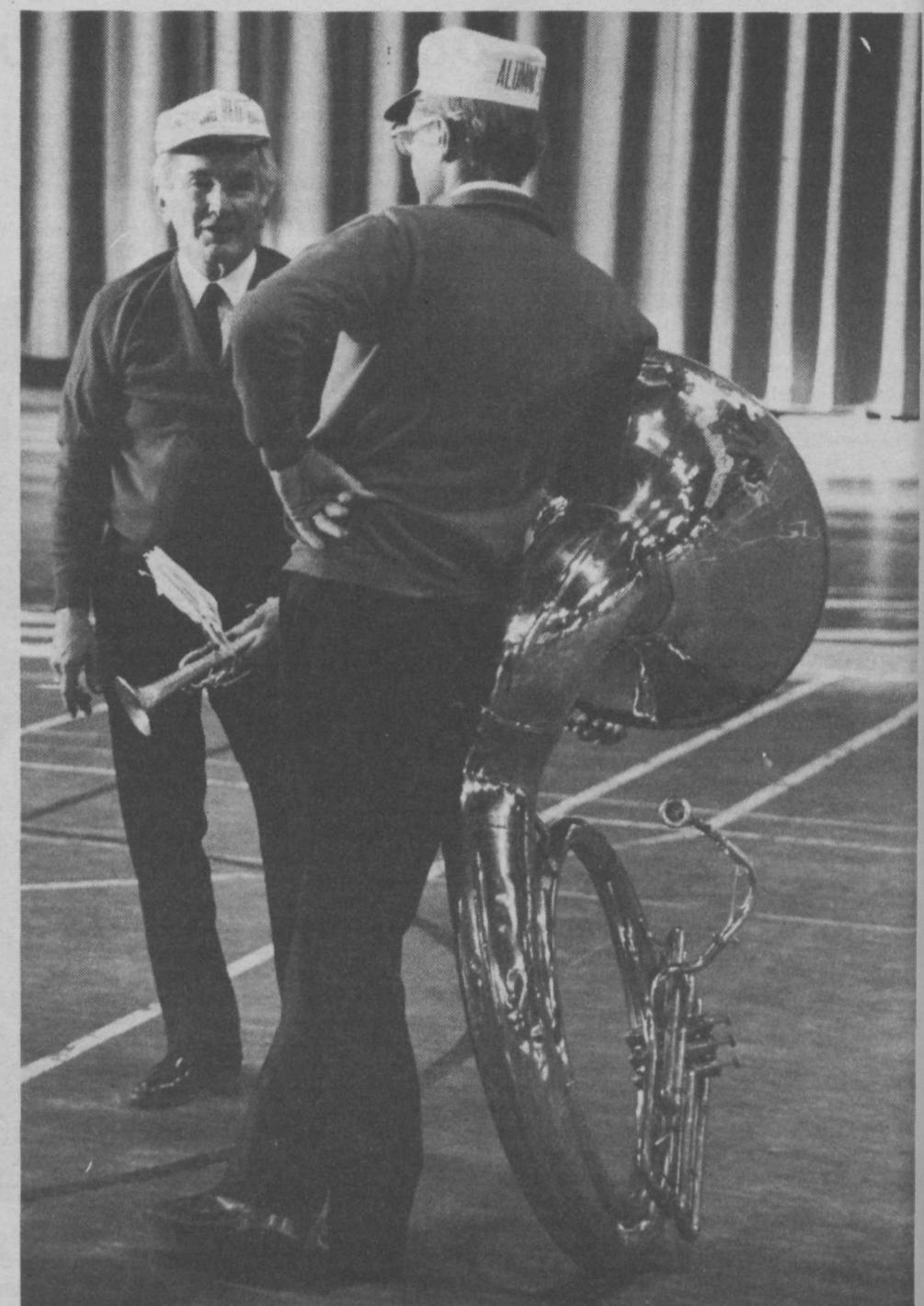
Egypt and Guadeloupe.

Scientists are not sure how the disease is transmitted over long distances, but they know how it is transmitted from plant to plant: aphids, which are also known as plant lice.

A major breakthrough in the search for a solution to the zucchini yellow mosaic virus problem came this year, when Rosario Provvidenti, a professor of plant pathology at the State Agricultural Experiment Station at Geneva, identified virus-resistant traits in cucurbits from China and Nigeria.

Through a system of crossbreeding, Henry M. Munger, professor emeritus of plant breeding in the State College of Agriculture and Life Sciences at Cornell, and Richard W. Robinson, professor of horticultural sciences at the Geneva experiment station, along with Provvidenti, are working on ways to add those resistant traits to domestic cucurbits, Zitter says.

"Eventually, they plan to come up with resistant varieties that have the same horticultural characteristics as currently grown cucurbits," Zitter said.



Big Red Band alumni share a moment of rest and reflection during a reception at Barton Hall after their performance during the football game at Schoellkopf Field earlier in the afternoon.

Research Animals

Continued from Page 1

viewed by the center, which regularly inspects all facilities that house research animals.

Besides the clinical or veterinary medical care, the center provides other services as needed, including surgery, anesthesia, expertise in animal nutrition and husbandry, pain-relieving drugs, and specialized equipment.

"If a cat were to develop a skin abscess, we would drain the abscess, culture the abscess fluid to determine the cause of the infection, and give the appropriate antibiotic," Quimby says. "Actually, even a rat with that condition would be similarly treated," Quimby adds.

The center's two full-time veterinarians are assisted by 11 others with a range of specialties. The center can draw on the expertise of some 120 doctors of veterinary medicine on the Cornell campus. The New York State College of Veterinary Medicine at Cornell, one of the most highly regarded in the world, even has a specialist in marine veterinary medicine — with a special interest in diseases of clams, for example.

Also on the center's staff are animal health technicians, consultants, and an animal care manager whose responsibility includes the husbandry of laboratory animals. Another seven veterinarians are on the staffs of New York Hospital-Cornell University Medical Center and Memorial Sloan-Kettering Cancer Center.

Specialized Cornell facilities used by the Center for Research Animal Resources include the New York State Diagnostic Laboratory and the Department of Pathology, the Department of Avian and Aquatic Medicine, and the diagnostic laboratory of the Cornell University-Rockefeller University consortium.

Persons who believe an animal at Cornell has been mistreated have several avenues of recourse, including making reports to the center.

Over the last five years, the center has received about a half-dozen inquiries, which were resolved, according to center director Quimby.

One valid report was traced to insufficient training of a technician. Another, a report of chickens being improperly anesthetized, turned out to be a misunderstanding when it was determined that the procedure was in compliance with NIH guidelines.

Inquiries referred to the center can usually be resolved by consultation with the experiment's principal investigator, according to Quimby.

Reports of possible mistreatment also can be made to the Institutional Animal Care

and Use Committee, which reviews all animal research proposals and experiments at Cornell; the university's vice president for research and advanced studies; or the agency funding the research.

Reports of animal abuse in federally funded research can also be made to the Office for Protection from Research Risks, Building 31, National Institutes of Health, Bethesda, Md., 20205. That office also can be reached by calling (301) 496-7005.

Regulations

Continued from Page 1

mals will be used and a justification of employing animals, rather than using alternative models or simulations. The need for the number of animals involved, as well as any pain or distress the animals may experience, must be explained also.

Of the 668 animal-use proposals reviewed since the Cornell program was instituted more than two years ago in response to New York State regulations, only a couple have posed significant concerns about their appropriateness, according to committee chairman Currie.

The real merit of the review system, Currie says, "is the objectivity of the reviewers who are attempting to arrive at a position that could reasonably be taken by the public at large. The involvement of non-researchers in this process is of enormous value to the review process."

At present, such a review by the host institution must be under way before the National Institutes of Health — the largest provider of funding for animal-related research at Cornell — will begin processing an application. After Jan. 1, 1986, new federal procedures will require that the review be completed at the host institution before the NIH will even consider a proposal for use of living animals.

All institutions applying for funding from any agency within the federal Public Health Service must first file an assurance statement that describes the institution's program for animal care. This assurance statement is reviewed at the NIH and, if found acceptable, is kept on file for reference in all future applications for funds.

Requests to NIH for large amounts of funding (generally those over \$100,000) prompt a site visit by scientific peers who determine whether the institution can provide proper facilities and personnel for the study. Such costly site visits may not be justified for smaller grant proposals. Site visitors check on-going research of a similar nature, noting any non-compliance with NIH guidelines.

Continuing through the regulatory maze, the research proposal next encounters an initial NIH review group whose members have expertise in the specific field — arthritis, for example — that is the focus of the research

proposal. This review group can call in special consultants to help it examine the proposal to determine if the animals are subject to the least-possible stress and if the proposal might contribute significantly to the understanding or cure of a medical problem. The group can halt any proposal that includes inhumane research methods.

Next, the application goes to an NIH advisory council for the particular scientific discipline. Made up of scientists and non-scientists (including Ann Landers and Maureen Reagan), the national advisory councils not only rule on the justification for the use of animals but also decide whether the problem is worth funding at all. An unfavorable review by the advisory council can mean the end of a proposal.

If the proposal is funded, the research is assigned to a program director who follows the grant from start to completion. Recipients of NIH grants must submit periodic reports to the program director outlining their procedures and results, and any deviations from their plans. The NIH can, at any time, withdraw funds if it finds abuse of animals or major deviations from the experiment's plans.

Also, surprise inspections of facilities are conducted by the U.S. Department of Agriculture and the New York State Department of Health, enforcing federal animal welfare laws and state health laws, respectively. Violations of those laws carry criminal penalties and can halt the research.

Deficiencies found by federal authorities in recent years at Cornell were not serious enough to warrant prosecution and were readily corrected, according to Dr. Fred W. Quimby, director of the university's Center for Research Animal Resources. They have included such things as cobwebs in hallways, improper lids on food containers, and cracks in floors.

Federal inspectors have found no instances where the physical well-being of the animals has been jeopardized in the five years Quimby has directed the center, and no animal studies have been halted. As of the most recent USDA inspection (September 1985), Cornell had no unresolved deficiencies.

Funding agencies such as NIH also make

unannounced inspections, and other agencies, such as the Food and Drug Administration and the Atomic Energy Commission, require adherence to rules that are specific for their own lines of research. These rules range from development of pharmaceuticals for human consumption to procedures for using radioactive materials.

State law gives local chapters of the Society for The Prevention of Cruelty to Animals power to investigate and seize any animals they find receiving cruel treatment.

The most rigorous reviews of all are made by the American Association for the Accreditation of Laboratory Animal Care, which has approved facilities of Cornell's veterinary and medical colleges. Improvements being made with a grant from the National Institutes of Health are expected to gain Cornell full accreditation for all animal facilities, Quimby says.

In the past two years, three major funding agencies — NIH, USDA and FDA — have begun sharing information on suspected and proven abuse of laboratory animals. That coordinated step is intended to prevent a researcher with a record of animal abuse from seeking funding at a different agency.

Cornell performs its own oversight of animal studies by its researchers:

— All animals used for research are observed at least once a day by a person qualified to assess their well-being.

— All Cornell facilities where animals are housed or used are inspected frequently (usually once a week or more often) by the university's Center for Research Animal Resources, which is responsible for assuring the humane treatment of animals used in studies at Cornell.

— Each year, researchers must file annual reports to the Center for Research Animal Resources, detailing their activities for the past 12 months and outlining their plans for the next 12. Any deviation between contemplated use and actual use is investigated by the center.

Finally, experiments that continue for more than the initial funding period (one to five years) require a proposal for renewal, and the review process — involving government and funding agencies, and the university — begins again.

Women May Be the Best Managers in the Workplace

By JEANNE MACKIN

Do women make better workplace managers than men do?

"There are arguments on both sides, but the answer leans toward the affirmative," said Marylee Bomboy, an extension associate in the New York State School of Industrial and Labor Relations here.

"Women, in general, are more concerned with human relations and human interaction than men are," she said. "They are likely to be more interested in personal problems and more concerned with creating a happy work environment."

As managers, women tend to be more sympathetic and more accessible to the workers they supervise. They are more likely to have an "open door" policy and circulate among their workers. Male managers, on the other hand, tend to be task and goal oriented; women managers tend to be more people-oriented.

"Most employees benefit from having a boss who is easily available to help with work-related as well as personal problems, who is sympathetic, and who cares about them and their families," Bomboy said.

That's well and fine, some people may say. But does having a manager and supervisor who can nurture employees make the employees more productive?

"I think so," Bomboy said. "The work of managers and supervisors is, after all, not to produce actual work themselves but to help other employees produce that work."

The primary job of the supervisor is to accomplish work through the effective use of people — the human resources of the organization.

Bomboy said that since women are considered good at working with people — to be willing to help and nurture and be accessible — these traits may well result in higher productivity.

Bomboy surveyed 140 clerical workers in New York City to determine their preference

for a male or female supervisor, and how they felt about those supervisors. Her survey showed that female supervisors were more likely to be rated as "democratic" (64 percent versus 54 percent) and slightly less likely to be considered as authoritarian (25 percent versus 32 percent) than male supervisors.

Other research shows that female managers are more likely to approach problem-solving by considering the whole problem in terms of a complicated web of people and relationships. Male managers are more likely to approach a problem in terms of rules and regulations.

But a woman manager's tendency to consider people along with other resources such as time and capital is often based on more than her nurturing instincts.

"Many women have a better feel for their subordinate's job requirements and responsibilities," Bomboy said. "The key reason for this is that they are more likely to have come up through the ranks and have done the job themselves at one time."

In Bomboy's survey, 80 percent of the female supervisors had come up through the ranks, while only 64 percent of the men had.

"Familiarity with the work of one's subordinates is clearly an advantage," she said. "The supervisor understands what needs to be done, how it should be done, and the time required to do it, and often has a network of contacts within the department which is useful in problem-solving," Bomboy said.

Bloodmobile Today

The Red Cross Bloodmobile will visit Martha Van Rensselaer Hall from 10 a.m. to 3:45 p.m. today. Walk-ins, as always, are welcome.



At an interview session with area media, Arkady N. Shevchenko, high-ranking Soviet defector, fields questions during his visit here last week.

BTI Scientists

Continued from Page 1

stitute and leader of the American team. In the United States, the number one pollutant is ozone, mainly resulting from automobiles. In China, the major pollutant is sulfur dioxide.

"All of the cooking, heating, and combustion for energy in China is obtained by burning coal, and there are no pollution controls of any consequence in that country," said Weinstein, who began studies of the Chinese air pollution problem in a visit two years ago.

"China is industrializing as fast as possible, and powering everything with coal. They have provincial and national environmental protection agencies, but they don't seem to have laws to enforce or even standards to violate. They are desperately in need of technology."

China is at least 25 years behind the United States in understanding air pollution's effects, Weinstein estimated. Although the country has few private automobiles, there is an increasing use of internal combustion engines and the pollution problem can only become worse, he said.

Five of the 15 American scientists are from the Boyce Thompson Institute, an independent laboratory at Cornell and the center for this country's largest working group studying the effects of air pollution. In addition to Weinstein, Boyce Thompson is sending plant physiologists Jay S. Jacobson and Robert G. Amundson, plant pathologist Robert J. Kohut, and environmental biologist Richard H. Mandl.

Also participating in the technology transfer mission will be three ecologists who pioneered studies of forest decline in the northeastern U.S. The three — Gene E. Likens of the Institute of Ecosystem Studies at the Cary Arboretum and adjunct professor of ecology at Cornell, F. Herbert Bormann of Yale University, and James N. Galloway, a former Cornell faculty member now at the University of Virginia — helped bring the problem of acid rain to the attention of the American scientific community, the public, and the government.

Other scientists participating in the series of workshops and lectures being held in several Chinese provinces come from the U.S. Forest Service, the Electric Power Research Institute, the U.S. Department of Agriculture, the State University of New York at Albany, the University of Virginia, California's Statewide Air Pollution Research Center and Rutgers University.

As a result of Weinstein's earlier visit to China, two Chinese scientists are conducting studies at Boyce Thompson Institute in Ithaca.

Graduate Bulletin

Late course registration and course additions, drops, and changes of grade option are still possible with payment of a \$10 late processing fee and petition to the Graduate School.

Approaching fellowship deadlines are listed below. Information on these and other fellowships and awards is available in the Fellowship Office, 116 Sage Graduate Center or in your graduate faculty representative's office.

November 30, 1985 is the deadline for three National Wildlife Federation fellowships. The Environmental Conservation Fellowships (up to \$4,000 each) are sponsored by the National Wildlife Federation and the American Petroleum Institute and involve the interface between petroleum and the management and conservation of natural resources.

Ferraro Here For Lectures Next Week

Former Democratic vice presidential candidate Geraldine A. Ferraro, the first woman ever to be nominated for that office by a major political party, will deliver two lectures on campus Nov. 7 and 8.

Ferraro is expected to address issues such as her own struggle to combine personal and professional life, her career as an attorney and member of Congress, and her experience as a vice presidential candidate during an address titled "A Political Biography."

Ferraro will deliver "A Political Biography" at 4:30 p.m.

Geraldine Ferraro

Thursday, Nov. 7, in Statler Auditorium. The lecture was written specifically for her visit to Cornell.

On Friday, Nov. 8, she will deliver a speech titled "New Doors, New Directions: What's Ahead for Women in Politics in the 1980s," at 4:30 p.m. in Statler Auditorium. Ferraro is expected to address contemporary social policy issues that affect women.

"Geraldine Ferraro is an articulate and prominent feminist who brings a unique perspective to the challenges and opportunities facing women today," said Joan Jacobs Brumberg, director of Women's Studies at Cornell and an assistant professor in the Department of Human Development and Family Studies.

Ferraro's visit to campus is being sponsored by Women's Studies and the New York State College of Human Ecology at Cornell.

Admission to Ferraro's lectures is free, but tickets are required. Tickets, at a limit of two per person (one ticket for each lecture or two tickets for the same lecture) will be available Oct. 30 and 31, and Nov. 1 at the Women's Studies office, 332 Uris Hall, Cornell; and Smedley's Bookshop, 307 W. State St., Ithaca.

Barton Blotter

Nearly \$10,000 worth of university-owned equipment — mostly computer components — was reported stolen in seven different incidents on campus, according to the morning reports of the Department of Public Safety for the period Oct. 21-28.

In addition, a pearl necklace and diamond earrings valued at \$4,000 were reported taken from a room at the Statler Hall. In all, there were 13 thefts reported on campus during the seven-day period, accounting for losses of \$14,252.

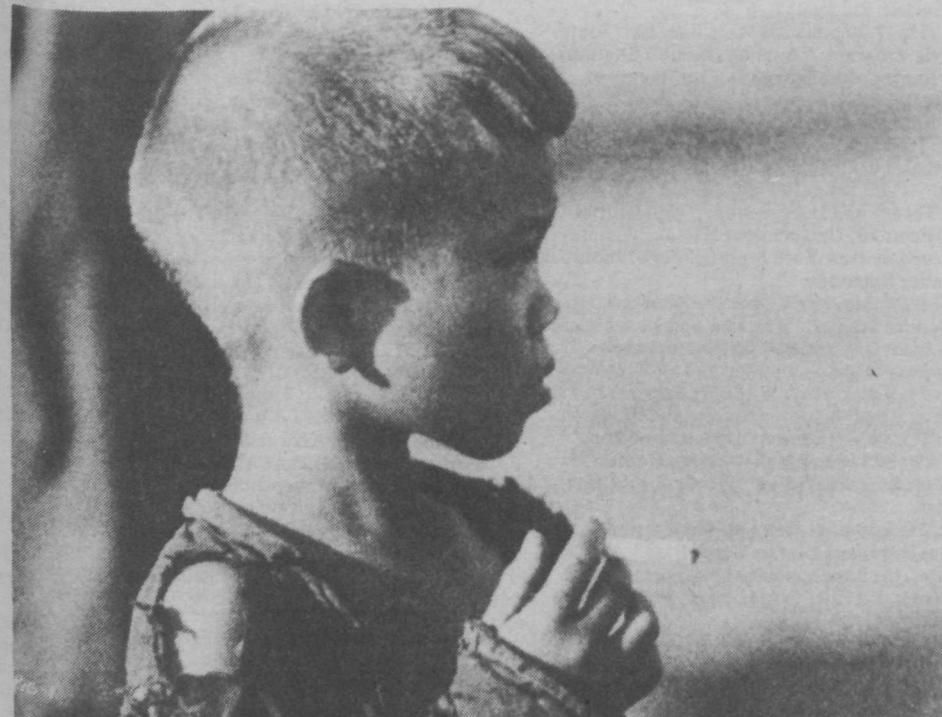
The stolen university equipment included a \$700 oscilloscope from the Mount Pleasant Transmitter, a \$400 slide projector from Statler Hall, a \$1,602 Macintosh computer from Grumman Hall, \$6,657 in various computer equipment from Martha Van Rensselaer Hall, and \$372 computer disk drive from Statler Hall.

A wallet with \$182 in cash was stolen from the Teagle Hall locker room.

One person was charged with driving while intoxicated and three others were referred to the Judicial Administrator, one for breaking a window, another for possession of a stolen sign, and the third for possession of a stolen parking permit.

In addition, 18 divestment protesters were charged with criminal trespass from Oct. 23 to 29 for refusing to leave Day Hall at its 5 p.m. closing time.

In total, 131 demonstrators have been charged since the Sept. 4 resumption of sit-ins at Day Hall. The demonstrators are protesting Cornell's investments in companies doing business in South Africa.



This scene is from 'In the Year of the Pig,' one film in a series of the Vietnam War.

Film Series Reviews Vietnam War

Cornell Cinema and the Noyes Center Programming Board will present a film series in November entitled "Vietnam: The War, the Protests, and the Impact," featuring a visit by the political filmmaker Emile de Antonio. The series will run on Tuesday nights from Nov. 5-26, at 8 p.m. in Uris Auditorium.

"The Vietnam War: A Critical View" (Nov. 5): Emile de Antonio, who has been called "the most accomplished American filmmaker on the left," will present his classic documentary "In the Year of the Pig" (1968), a penetrating account of the origins of the Vietnam War. de Antonio has pioneered a new form of documentary — a collage technique that fuses unadulterated audio-visual documents with explicit political commitment into an instrument for dissecting the history of post-Cold War America. De Antonio's films, including "Point of Order," "Millhouse: A White Comedy" and "Underground," are based on "radical scavenging" — sifting through the network outtakes which he calls "the real history of our time" and combining them with current interviews to produce a dialectical clash of document and commentary.

"The Vietnam War: Justifications" (Nov. 12): "Why Vietnam?," a 30-minute film produced by the State Department explaining the foreign policy objectives of the U.S.

Government in Vietnam, will accompany a screening of John Wayne's "The Green Berets." Wayne, as both director and star, draws upon all the dramatic resources of Hollywood moviemaking to defend the U.S. presence in Vietnam. His target in the film is a cynical liberal journalist, played by David Janssen, who ultimately discovers the righteousness of American involvement.

"The Vietnam Protests" (Nov. 19): A double feature on the anti-war movement will include an Academy Award-nominated documentary, and a narrative feature set against a documentary background. The documentary is "The War at Home," which explores the history of the anti-war protests while focusing on the movement in Madison, Wis.

"Medium Cool," directed by Haskell Wexler, filmed its story of a TV news cameraman against the background of the 1968 Democratic Convention in Chicago.

"The Vietnam Legacy: 'Rambomania'" (Nov. 26): "Uncommon Valor," starring Gene Hackman, will serve to represent the recent series of Hollywood films (including "Rambo" and "Missing in Action") involving veterans who return to Vietnam to save imprisoned American soldiers. Many commentators have noted that these films are symbolic efforts to refight the war successfully, and that reveal the wounds from Vietnam that persist in American culture today.

The Environmental Publication Awards (up to \$2,500 each) are intended to reward excellence in graduate student writing. Applicants must be citizens of the U.S., Canada, or the Republic of Mexico. Articles submitted must be the result of original graduate research and either published or accepted for publication in a major refereed journal during the year preceding this annual announcement.

Environmental Conservation Fellowships (up to \$4,000 each) are for study in one of the areas listed in the announcement. Applicants must be citizens of the U.S., Canada, or Mexico and accepted by a college or university, before Sept. 1986, in a masters, doctoral or law degree program.

Thursday, October 31, 1985

Calendar

All items for publication in the Calendar sections, except for Seminar notices, must be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 531 Willard Straight Hall at least 10 days prior to publication. Seminar notices should go to the Chronicle office, 110 Day Hall. 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, colloquia, etc.) ALL DEADLINES WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

Cornell-Finger Lakes Railfair

The Cornell Railroad Historical Society in conjunction with the Cornell Chapter of the National Railway Historical Society will hold the fourth annual "Finger Lakes Railfair" on Sunday, Nov. 3, at the Ithaca High School Building. Hours are 11 a.m. to 5 p.m. Donation: Adults, \$1.50; Child 6-12, \$.75; Family, \$3. The fair will feature several large operating model layouts, model displays, railroad artifacts and collectables, railroad literature, slide and movie presentations, as well as flea market tables and other railroad oriented displays.

Alternatives Library

Musical alternatives. Cassettes on loan at the Alternatives Library, Anabel Taylor Hall. Free and open to the public.

Money & Abundance

A new workshop series on transforming your relationship to money and creating true wealth, joy and fulfillment in your life, with Let Davidson, Ph.D. Meets six Mondays, 7-10 p.m., begins November 1. Call 272-4131.

Eastman-Rice Speaking Contest

\$700 in prizes. The Fall 1985 preliminary round of the Eastman-Rice Contest is being held Nov. 6 at 4:30 p.m. At that time, finalists will be chosen for the prize round, coming the following Monday, Nov. 18, at 7 p.m.

All undergraduates in CALS are eligible to enter. Speakers must present a 8 minute persuasive speech which deals with some aspect of agriculture- or life sciences-related topics. To enter, get an entry form at, 510A Mann Hall, and submit your entry by the entry deadline, Friday, Nov. 1.

Begin to plan for this event now. It's an excellent way to pick up some spare cash.

Olin Library Research Seminar

A seminar on doing research or finding information in the central graduate library for the social sciences and humanities will be offered by Olin Library's Reference Department on Tuesday, Nov. 5, 10 a.m. to noon in room 214. This is the last time this session will be presented during the fall semester. For more information, or to register, stop by Olin's Reference Desk or call 256-3319.

Intramural Inner-Tube Water Polo

(Men, Women, Co-ed). Deadline on entries is Tuesday, Nov. 5 at 4 p.m. in the Intramural Office, Helen Newman Hall. Minimum of 10 to enter, Co-Ed: equal number of men and women. Play will probably begin Monday, Nov. 18. Teams will consist of 7 players. Co-Ed: any 3/4 combination-male or female in goal. (See IM Handbook). Play will be Monday through Thursday evenings probably at 10 and 10:30 p.m. Type of tournament: single elimination. Fee of \$10 due with your roster to enter. Checks only payable to Dept. of P.E. & Ath., Intra. Div.

International Teaching Assistant Training Program

This program is free and open to international graduate students whose native language is not English, and who are currently or will be TAs in the Spring '86 or Fall '86 semesters. Students will receive instruction in pronunciation, rhetorical strategies, and classroom dynamics; the other component of the program is the extensive use of videotapes to critique students presentations. For further information and application forms, contact Ingrid Arnesen, Program Director at 256-6349 or 256-5279. Applications are due Dec. 3, 1985.

Ears

On behalf of Empathy, Assistance and Referral Service, fondly known as E.A.R.S., We are happy to announce that we have recently expanded our hours. Friday hours have been extended from 7-11 p.m. to 5-11 p.m. Our 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; we are located in Willard Straight Hall, room 211, and our phone number is 256-EARS. All services are free and completely confidential. As ever, E.A.R.S. counselors look forward to being of support to all members of the Cornell community.

Cornell Toastmasters

Do you have a stage fright when speaking before an audience, or are you planning to speak before your committee or organization? Or would you like to meet new and different people? Then Toastmasters is for you. Toastmasters is a professional organization whose goal is to help its members become comfortable and able in public speaking and dealing with large groups of individuals.

If you are interested in joining a professional speaking club, then come and participate with the Cornell Toastmasters. First and Third Tuesdays at 5:30 p.m. in 135 Emerson Hall. Contact Rafael at 257-7669 for details.

Every Thursday

Goldwin Smith Kaufmann Auditorium, 5 p.m. Cornell Coalition for Divestment general meeting. All welcome.

Gay Jews Support Group

A support group for gay Jews is being formed, to share and explore related concerns and conflicts, possible ways to confront them, exchange religious and cultural context material. If interested in taking part, please call GayPac, 256-6482. Confidentiality ensured.

Writing Workshop

Writing Workshop Walk-in Service. Free tutorial instruction in writing. Mon.-Thurs., 3:30-6 & 7:30-10 p.m.; Sun. 3-8 p.m. 174 Rockefeller Hall and Sun.-Thurs. 9-11 p.m. in 340 Goldwin Smith Hall.

Medieval Manuscripts

Information is currently being sought on the presence of medieval manuscripts in private collections in the Ithaca area for the purpose of compiling a census. If you own a medieval manuscript or a page from a manuscript, please contact: Professor R.G. Calkins, Department of the History of Art, Goldwin Smith 35, Cornell University. Identity of owners will remain completely confidential.

Dance

Israeli Folk Dancing

Dancing will be held on Thursday evenings at 8 p.m. in the One World Room of Anabel Taylor Hall. Beginners and experienced dancers welcome.

Jazz Exercise

Adult Jazz Exercise Dance Class. Tuesdays and or Thursdays, 7-8 p.m. Call 256-4231 mornings, or 257-5677 for further information.

Every Wednesday

The Jitterbug Club meets 7:30-9:30 p.m. in the Edwards Room, Anabel Taylor Hall. Beginners taught 7:30-8:30 p.m. For more information call Jim Krebs at 256-5034 or 257-4692.

Exhibits

Herbert F. Johnson Museum

"Urban Visions: The Paintings of Ralph Fasanella" through Nov. 10. Art and Filmmaking: A Tribute to the Arts Council of Great Britain, the third program in this year's Expanding Cinema at the Herbert F. Johnson Museum of Art, presents unusual art documentaries produced by the Arts Council of Great Britain. The free screenings will take place Sundays, at 2 p.m. in the museum's Lecture Room. Nov. 3: "Give Us This Day" a brilliant dramatization of the life of English writer Robert Noonan.

Films

Unless otherwise noted films are sponsored by Cornell Cinema.

Thursday

Oct. 31, 12:20 p.m. Warren Hall 32. Rural Sociology 104. Proseminar: Issues and Policies in Rural Sociology. "People's Communes": explains the organization of communes in China. Visits three of them in different parts of the country and shows the type of work done by the people, how they live, and how the commune is governed.

Oct. 31, 8 p.m. & 12 mid. *Uris Hall Auditorium. "Ghostbusters" (1984), directed by Harold Reitman, with Dan Aykroyd and Bill Murray.

Friday

Nov. 1, 8 p.m. *Anabel Taylor Auditorium. "Black Orpheus" (1960), directed by Marcel Camus with Marpessa Dawn and Bruno Melo.

Nov. 1, 10:15 p.m. *Uris Hall Auditorium. "Ghostbusters."

Saturday

Nov. 2, 7:30 & 12 mid. *Statler Auditorium. "Ghostbusters."

Nov. 2, 8 p.m. *Uris Hall Auditorium. "Dr. Jekyll and Mr. Hyde" (1932), directed by Rouben Mamoulian with Fredric March, Miriam Hopkins, and Rose Hobart.

Nov. 2, 9:45 p.m. *Statler Auditorium. "Demon Pond" (1980), directed by Mashiro Shinoda, with Tamasaburo Bando and Go Kato.

Sunday

Nov. 3, 2 p.m. Johnson Museum. "Give Us This Day" (1982), and "The Impersonation" (1984), directed by Noel Burch and Christopher Mason.

Nov. 3, 12 noon & 3 p.m. *Uris Hall Auditorium. "The Sound of Music" (1965), directed by Robert Wise, with Julie Andrews and Christophe Plummer. Co-sponsored by the Ithaca Youth Bureau.

Monday

Nov. 4, 7 p.m. *Uris Hall Auditorium. "The Maltese Falcon" (1941), directed by John Huston with Humphrey Bogart, Mary Astor and Sidney Greenstreet.

Tuesday

Nov. 5, 4:30 p.m. Uris Library Media Room. Southeast Asia Program: "Tongpan" - shows the human impact of plans such as that depicted in the film "Mekong."

Nov. 5, 8 p.m. *Uris Hall Auditorium. "In The Year of The Pig" (1969) with Guest Filmmaker Emile De Antonio. Co-sponsored with Noyes Center.

Wednesday

Nov. 6, 8 p.m. *Uris Hall Auditorium. "Mon Oncle D'Amérique" (1981), directed by Alain Resnais with Gerard Depardieu, Nicole Garcia.

Thursday

Nov. 7, 12:20 p.m. Warren Hall 32. Rural Sociology 104 Proseminar: Issues and Policies in Rural Sociology. "The Russians: The People of the Country." The film takes us through three types of Russian farms: a small collective, an enormous

collective, and a family on the Siberian frontier.

Friday

Nov. 8, 8 p.m. *Uris Auditorium. "Les Compères" (1983), directed by Francis Veber with Gérard Depardieu and Pierre Richard.

Nov. 8, 12 mid. *Uris Hall Auditorium. "Blazing Saddles" (1973), directed by Mel Brooks, with Mel Brooks, Madeline Brooks, Madeline Kahn and Cleavon Little.

Saturday

Nov. 9, 7:30 p.m. *Uris Hall Auditorium. Visiting Soviet Animators Edward Nazarov and Andrei Khrzhanovski present "An Evening of Animation." Co-sponsored with Film/Video Arts.

Nov. 9, 8 p.m. *Anabel Taylor Auditorium. "Blazing Saddles."

Nov. 9, 12 mid. *Uris Auditorium. "Bongo Man" (1982), directed by Stefan Paul, with Jimmy Cliff, Bob Marley, Miriam Makeba.

Friday & Saturday

Nov. 8 & 9, 9:45 p.m. *Uris Hall Auditorium. "Body Double" (1984), directed by Brian De Palma with Melanie Griffith and Craig Wasson.

Sunday

Nov. 10, 2 p.m. Johnson Museum. "John Cooper Clarke: Ten Years in An Open-Necked Shirt" (1982), directed by Nick May, with John Cooper Clarke and Linton Kwesi Johnson. Shown with: "Alan Bush: A Life" directed by Anna Ambrose.

Nov. 10, 2 p.m. *Uris Hall Auditorium. "The Little Princess" (1939), directed by Walter Lang with Shirley Temple and Cesar Romero. Co-sponsored with Ithaca Youth Bureau.

Nov. 10, 8 p.m. *Uris Hall Auditorium. "Paper Moon" (1969), directed by Peter Bogdanovich with Ryan and Tatum O'Neil, and Madeline Kahn.

Lectures

Thursday

Oct. 31, 11 a.m. A.D. White House. "Women and Writing in the West Bank" Sahar Khalifeh, Palestinian Novelist. Sponsored by Society for the Humanities, Women's Studies, Third World Students Programming Board, Creative Writing and Near Eastern Studies.

Oct. 31, 12:20 p.m. 102 West Ave. Ext. Southeast Asia Program: "Angling Dharma": Southeast Asian Images of Language vs. Our Images of Southeast Asian Languages," A.L. Becker, Professor of Linguistics, University of Michigan.

Oct. 31, 4 p.m. 305 ILR Conference Center. "Resistance to Change: A Psychoanalytic Critique of Argyris and Schön's Contribution to Organizational Theory and Intervention," Professor Michael Diamond, University of Missouri-Columbia. Sponsored by New York State School of Industrial and Labor Relations.

Oct. 31, 4 p.m. MVR Faculty Commons. Human Service Studies: "The Law and Economics of Punishment Disparities," Dr. Samuel Myers, University Pittsburgh.

Oct. 31, 4 p.m. Hoyt W. Fuller Room, 310 Triphammer Road. Africana Studies and Research Center Forum Africana Artist/Lecture Series: "The Art of Theatre in the African Context," Mr. Wole Soyinka, Fellow, Society for the Humanities.

Oct. 31, 5:30 p.m. Ives 120. The Preston H. Thomas Memorial Lecture Series Part 3: "On Distribution, the development of private space and ritual from d'Avilier to Mariette," Michael Dennis.

Oct. 31, 8:15 p.m. Anabel Taylor Founders Room. Cornell Graduate Christian Forum: "Social Justice and the Mass Media," Clifford Christians.

Friday

Nov. 1, 12:15 p.m. Africana Studies and Research Center, Hoyt W. Fuller Room, 310 Triphammer Rd., Africana.

Roundtable: "From Amos n' Andy to Bill Cosby and Back: The Black Image in the Media," William Branch, visiting Professor, Africana Studies and Research Center.

Nov. 1, 12 noon 305 ILR Conference Center. "The Psychodynamics of Regression in Work Groups," Professor Michael Diamond, University of Missouri-Columbia. Sponsored by New York State School of Industrial and Labor Relations.

Nov. 1, 4:30 p.m. Rockefeller 374. "The Japanese Economy: Up? or Back Down Again?" Jon Woronoff, Special columnist for Mainichi Daily News and Japanalysis. Sponsored by the China-Japan Program.

Monday

Nov. 4, 4 p.m. Goldwin Smith 134. Western Societies Program: "An Anthropologist in the Kingdom of the Sick: Biomedicine as a Cultural System," Susan DiGiacomo, Department of Anthropology, Cornell University.

Nov. 4, 7:30 p.m. Anabel Taylor One World Room. America and World Community Discussion Sections.

Nov. 4, 8 p.m. Goldwin Smith Hollis E. Cornell Auditorium. "Diane Arbus as a Photographer," John Szarkowski, Director. Department of Photography, Museum of Modern Art, NYC, and A.D. White Professor-at-Large.

Tuesday

Nov. 5, 11:15 a.m. Goldwin Smith 177. "The Silence of Isaak Babel," Professor Efraim Sicher, Department of Russian, University of Negev, Beer Sheva, Israel. Sponsored by the Committee on Soviet Studies and the Department of Russian Literature.

Nov. 5, 4:30 p.m. A.D. White House. "Aneroxia Mirabilis: Why Did Medieval Women Fast?" Caroline Bynum, Professor of History, University

November 1985						
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clarinet, bassoon and piano. The second half of the concert will include two solo works; Moscheles' Grand Due Concertante, Opus 34, and Corrette's concerto for four bassoons and harpsichord, Le Phenix. Featured in the latter work will be a local bassoon quartet, I Quasi Musici, whose members are Bukoff, Fred Cohen, Phil Dixon and Neil Gershfeld.

Other instrumentalists participating in the concert are Ruth Berry, cello; William Cowdery, harpsichord and piano; Christine Hilton Fenn, flute; Dan Petter, piano; and Mark Simon, clarinet.

Bukoff, a doctoral student in musicology at Cornell, is a researcher in bassoon. He has published several articles, Baroque to Modern, on double reed topics and is currently editing A Catalogue of Bassoon Music for Musica Rara, Montrouge, France. He is the historian of the International Double Reed Society. He has performed locally with the Ithaca Opera, Glimmerglass Opera, Cornell Contemporary Ensemble, Cornell Savoyards and Syracuse Society for New Music.

All Beethoven Concert

Sonatas for violin and fortepiano will be featured in an all-Beethoven concert at Cornell's Barnes Hall Friday, Nov. 9, at 8:15 p.m. Under sponsorship of the Department of Music and Cornell Council of the Creative and Performing Arts, the concert is open to the public free of charge.

Sonya Monosoff, violin, and guest artist Steven Lubin, fortepiano, will play three Sonatas, Opus 12: D Major, A Major and E-flat Major. They were composed in 1797-78, and directed by Beethoven to Antonio Salieri.

Monosoff's talented performances have long been recognized throughout the country, as well as by Ithaca area audiences. A professor of music at Cornell, she appears frequently as a recitalist, soloist and in chamber music events, both on modern and Baroque violin. Last spring and summer she taught and gave concerts at the University of Ferrara, Italy, and Bennington, Vermont, Chamber Music Conference and played recitals in several other Italian cities. She has toured extensively in this country, Italy and Israel, both as a performer and lecturer.

Lubin, an exponent of fortepiano, has appeared in New York's major concert halls and has performed often with orchestras composed of original instruments, including Mostly Mozart Festivals, the Smithsonian Chamber Players, Concert Royal, New Hampshire Music Festival and The Mozartean Players. He is founder and music director of the last named ensemble. His recordings of Mozart and Haydn on Arbesque and Spectrum labels have been praised by the critics.

Lubin studies piano with Lisa Grad, Rosina Lhevinne, Seymour Lipkin, Nadia Reisenberg and Beverley Webster. He holds degrees from Harvard and Juilliard, and earned a Ph.D. in musicology from New York University. He has lectured on Classical performance practice at many symposia, and his articles have appeared in such publications as the New York Times, Keynote Magazine and Keyboard Classics.

Every Sunday
Anabel Taylor Edwards Room, 9 a.m. Sing with the "Makhela: Hebrew Choir."

Thursday
Oct. 31, 8:15 p.m. *Anabel Taylor Auditorium. New Music Network Concert: "Western Wind."

Friday
Nov. 1, 8:15 p.m. *Bailey Auditorium. Faculty Committee on Music Concert: Mostly Mozart Festival Orchestra, Gerard Schwartz, conducting. All-Mozart program.

Nov. 1, 8:15 p.m. *Statler Auditorium. New Music Network Concert: "The Art Ensemble of Chicago."

Saturday
Nov. 2, *Herbert F. Johnson Museum. New Music Network Concert: "Lytle, Cartwright, Marclay & Moss (Meltable Snaps It) and Continuum."

Nov. 2, 8:15 p.m. *Barnes Hall. Robert Ashley Concert: Songs from Atlanta. New Music Network.

Sunday
Nov. 3, 2 p.m. *Herbert F. Johnson Museum. New Music Network Concert: Robert Dick and Jane Ira Bloom.

Nov. 3, 4 p.m. Barnes Hall. Cornell Collegium Musicum directed by John Hsu. Works of Thomas Tallis (D. 1585) his contemporaries.

Nov. 3, 8:15 p.m. *Barnes Hall. New Music Network Concert: Alan Feinberg and Cecil Taylor.

Nov. 3, 8:30 p.m. Anabel Taylor Commons Coffeehouse. Bound for Glory broadcast live on WVBR FM 93. Mark Rust, returning to Ithaca with lots of new songs.

New Music Network Concerts
Advance tickets and a limited number of series tickets (\$15) will be available at the Theatre Cornell ticket office in Willard Straight, Rebob Records, and Ithaca Guitar Works. If available, tickets may also be purchased at the door.

Wednesday
Nov. 6, 8:15 p.m. Barnes Hall. Cynthia Raim, piano. Works of Bach, Bartok, Schumann, Ravel.

Thursday
Nov. 7, 8:15 p.m. Barnes Hall. Student Recital:

Ron Bukoff, bassoon, with assisting instrumentalists. "Rarities for bassoon, 18th and 19th centuries."

Friday

Nov. 8, 8:15 p.m. Barnes Hall. Cornell Jazz Ensemble directed by Thomas Davis.

Saturday

Nov. 9, 8:15 p.m. Barnes Hall. Sonya Monosoff, violin, and Steven Lubin, fortepiano. Beethoven Sonatas.

Friday & Saturday

Nov. 8 & 9, 8:15 p.m. *Statler Auditorium. Cornell Savoyards present Gilbert & Sullivan's "The Mikado." Tickets available at the Statler Box Office and may be reserved by calling 256-7263 Mon.-Sat. 12-5 p.m.

Sunday

Nov. 10, 2 p.m. *Statler Auditorium. Cornell Savoyards present Gilbert & Sullivan's "The Mikado."

Nov. 10, 4 p.m. Sage Chapel. Cornell Chorus conducted by Byron Adams. Works of Debussy, Vaughan Williams, Poulenc, Copland.

Religious Events

Thursday

Oct. 31, 5 p.m. Anabel Taylor G-34. Student Struggle for Oppressed Jewry meeting.

Oct. 31, 7:30 p.m. Anabel Taylor G-34. Martin Buber & Franz Rosenzweig on Revelation & Jewish Law.

Sunday

Nov. 3, 11 a.m.-2 p.m. Anabel Taylor One World Room. Grad Group Bagel Brunch.

Monday

Nov. 4, 7 p.m. Anabel Taylor Forum. A Talmudic View of Modern Problems.

Tuesday

Nov. 5, 8 p.m. Anabel Taylor G-34. Basic Judaism.

Wednesday

Nov. 6, 2-3:30 p.m. Anabel Taylor G-34. Linda Storfer of Yeshiva University Wurzweiler School of Social Work, for those who are interested in careers in Jewish communal service and social work.

Thursday

Nov. 7, 11 a.m.-3 p.m. Straight Memorial Room. Israel Programs Fair.

Friday

Nov. 8, 7 p.m. *Anabel Taylor One World Room. Hillel and Chabad Shabbat Dinner. Speaker at 8:15 p.m. is Shifra Deren, co-director of Chabad House of Amherst, MA. & principal of Hebrew Academy of Springfield, MA. "Women and Traditional Judaism." Affiates \$4; others \$6. Please make reservations and pay for them by 3 p.m. on the day before.

Religious Services

Episcopal (Anglican)

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

Christian Science

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

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.

Sat., 3-4 p.m. Anabel Taylor G-24. Sacrament of Reconciliation and by appointment.

Jewish

Every Friday, 6 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian).

Every Friday, 6 p.m. Anabel Taylor Chapel. Shabbat Services (Reform).

Every Friday, 7 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.

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.

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.

African Development: "The Role of Bureaucracy in African Development: Some Lessons from Southern Africa," Rukundo Murapa, head of the Department of Political Science, University of Zimbabwe, noon Thursday, Nov. 7, 320 ILR Conference Center.

Agronomy: "Estimating the N. Contribution of Legumes to a Succeeding Maize Crop," 4 p.m. Tuesday, Nov. 5, 135 Emerson.

Archaeology: "The Sican Art Style and Its Use in Chronology," Kate Cleland, UCLA Anthropology Department, 4:40 p.m. Monday, Nov. 4, 305 McGraw.

Applied Mathematics: "Minimum-Weight Two-Connected Spanning Networks," William R. Pulleyblank, University of Waterloo, Canada, 4 p.m. Friday, Nov. 1, 165 Olin.

Applied Mathematics: Three lectures for the Special year in Numerical Analysis by Oliver A. McBryan, Courant Institute, New York University, "Algorithm, Architectures and Supercomputing," 4 p.m. Tuesday, Nov. 5, 255 Olin; "Parallel Algorithms for Partial Differential Equations," 4 p.m. Wednesday, Nov. 6, 255 Olin; "Shock Tracking and Fluid Dynamics," 4 p.m. Friday, Nov. 8, 165 Olin.

Astronomy: "Climate Change, CO₂ and Acid Rain," Gordon J.F. McDonald, Mitre Corp., 4:30 p.m. Thursday, Nov. 7, 105 Space Sciences.

Biochemistry: "Biochemical Mechanisms in the Initiation of Bacteriophage Lambda DNA Replication," Roger McMacken, Biochemistry, the Johns Hopkins School of Hygiene and Public Health, 4:30 p.m. Friday, Nov. 1, 204 Stocking.

Biochemistry: "Proton Transport in Mitochondria; How, Where and How Many," Peter Hinkle, Biochemistry, Molecular and Cell Biology, Cornell, 12:20 p.m. Monday, Nov. 4, 125 Riley Rob.

Chemical Engineering: "Kinetic Wave Description of Sedimentation and Centrifugation Processes," W. Schneider, Tech. University of Vienna, Austria, 4:15 p.m. Tuesday, Nov. 5, Olin 145(A).

Chemistry: "Metastable Radicals by Neutralized Ion Beam Techniques (Do H₃ Molecules Really Exist?)" Prof. Richard Porter, Cornell, 4:40 p.m. Thursday, Oct. 31, 119 Baker Lab.

Chemistry (Organic): "Synthesis of the Fenes-tranes," William Agosta, Rockefeller University, 4:40 p.m. Monday, Nov. 4, 119 Baker Lab.

Environmental Research: "Pesticide Use and Impact Assessment," Michael T. Olexa, project director, Institute of Food and Agricultural Sciences, University of Florida, 3 p.m. Friday, Nov. 1, 240 Emerson.

Floriculture and Ornamental Horticulture: "Urban Vegetation Islands," Rick Manning, Landscape Architecture grad student, 12:15 p.m. Thursday, Oct. 31, 37 Plant Science.

Food Science: "Protein-Stabilized Emulsions," Prof. P. Walstra, University Wageningen, the Netherlands, 4:30 p.m. Tuesday, Nov. 5, 204 Stocking.

Geology: Title TBA, Bruce Watson, Rensselaer Polytechnic Institute, 4:30 p.m. Tuesday, Nov. 5, 1120 Snee.

Immunology: "Immunogenetic Studies on the Class II Region of the Bovine MHC," Christopher J. Davies, James A. Baker Institute for Animal Health, 12:15 p.m. Friday, Nov. 1, C-207 Schurman.

International Nutrition: "The Use of Measurement of Energy Expenditure of Rural Women," Dr. Thierry A. Brun, chief of research, Research Unit on Nutrition and Food, INSERM, Paris, France, 12:15 p.m. Monday, Nov. 4, 130 Savage.

Material Science and Engineering: "Fundamental Studies in Ceramic Processing," L. DeJonghe, University of California, 4:30 p.m. Thursday, Nov. 7, 140 Bard.

Mechanical and Aerospace Engineering: "A Second Generation of Heat Transfer Technology Applied in the Petroleum Industry," Thomas M. Rudy, Exxon Research and Engineering, 4:30 p.m. Tuesday, Nov. 5, 1985, 282 Grumman.

Microbiology: "Control of Vibrio Fischeri Luminescence Gene Expression," Paul V. Dunlap,

Microbiology, Cornell, 4:30 p.m. Thursday, Oct. 31, 124 Stocking.

Neurobiology and Behavior: "Song Learning Shapes Auditory Neurons in the White-Crow Sparrow's Song System," Daniel Margoliash, Biology, Washington University, St. Louis, 12:30 p.m. Thursday, Oct. 31, Morison Seminar Room, Corsor/Mudd Hall.

Ornithology: "Celebration of Wilderness: A History and Celebration of the Adirondack Park and Forest Preserve," Gary Randorf, the Adirondack Council, 7:45 p.m. Monday, Nov. 4, Laboratory of Ornithology, 159 Sapsucker Woods Road.

Parasitology: "Effects of Antimycotic Drugs on Leishmania Mexicana and Trypanosoma Cruzi," Dr. George Holz Jr., professor and chairman, Microbiology and Immunology, Upstate Medical Center, Syracuse, 4 p.m. Thursday, Oct. 31, Diagnostic Lab Conference Room.

Pharmacology: "Drug Effects on Calcium Metabolism," Maurice Attie, University of Pennsylvania Medical School, Philadelphia, 4:30 p.m. Monday, Nov. 4, C-105 Schurman.

Plant Breeding: "Recurrent Selection for and Heritability of Large Grain Size in Pearl Millet," C. Tom Hash Jr., graduate student, Cornell, 12:20 p.m. Tuesday, Nov. 5, 135 Emerson.

Plant Pathology: "Cytological Studies on the Rusts," Dr. Kurt Mendgen, Universitat Konstanz, 4:30 p.m. Tuesday, Nov. 5, 404 Plant Science.

Pomology/Vegetable Crops: "Storage of Apples in Shanxi Province, Peoples Republic of China, Qi Shou-Chun, visiting scientist, Pomology, 4:30 p.m. Thursday, Nov. 7, 404 Plant Science.

Rural Sociology: "Our Great-Grandchildren Will Be Begars: Problems of the Malaysian Padi Sector," Philip P. Courtenay, associate professor of geography at the James Cook University of North Queensland, Australia, 3 p.m. Friday, Nov. 1, 32 Warren.

Sociology: Title TBA, Prof. Fred Block, University of Pennsylvania, 12:20 p.m. Monday, Nov. 4, 302 Ursis.

Statistics: "Use of Three-Dimensional Biplots for Diagnosis of Models," Ruben Gabriel, Statistics Department, University of Rochester, 3:45 p.m. Wednesday, Nov. 6, 100 Caldwell.

Theoretical and Applied Mechanics: "Interference Optical Measurements on Crack Tip Cracking," Dr. Laszlo F. Koenczel, research associate, Fraunhofer-Institut für Werkstoffmechanik, Freiburg, West Germany (Joint T&AM and MS&E seminar) 4:30 p.m. Wednesday, Nov. 6, 205 Thurston.

Theatre

Friday

Nov. 1, 7:30 p.m. Schoellkopf. Ltwt. Football-Pennsylvania.

Sat.-Mon.

Nov. 2-4 Cascadia Courts. Women's Tennis-New York State Tournament.

Monday

Nov. 4, 4:30 p.m. Schoellkopf. JV Football-Hobart.

Tuesday

Nov. 5, 7:30 p.m. Schoellkopf

Number 43

Cornell University
University Personnel Services
Day Hall
Ithaca, New York 14853
607/256-5226

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 employ-

ment are available at Cornell University's

Please Post**October 31, 1985**

*Asterisks identify jobs that were not listed last week.

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

***Position: Area Supervisor II**

Department: Computer Services

Description: Provide technical consulting with departments, faculty, staff and students on micro computer hardware and software, data communication equipment and local area networks. Provide user education on PC's through presentations and documentation. Evaluate hardware and software products. Responsible for day-to-day operations of Marketing sales office.

Requirements: Bachelor's degree or equivalent combination of education and experience. 3 to 5 years experience with personal computers required, preferably IBM, DEC, and Apple, H.P. Strong interpersonal, oral and written skills desirable. Prior supervisory experience helpful. Must be able to work under pressure in a hectic environment.

Please submit cover letter and resume to Cynthia Smithbower.

Minimum Starting Salary: \$20,000

Job Number: PT434

***Position: Research Support Specialist I**

Department: Natural Resources

Description: Coordinate the collection and compilation of data generated from multiple observations of Canada geese wearing neck collars. Develop computer programs for extensive data sets, analyze results, write detailed reports and present findings to professional audiences.

Requirements: Master of Science degree in wildlife science or a related field. Extensive experience working with population dynamics of waterfowl. Preference for persons with work experience related to Canada geese. Good biological background with strong statistical and computer skills. Good communication skills. Please submit cover letter and resume to Cynthia Smithbower by November 15, 1985.

Minimum Starting Salary: \$17,000

Job Number: PT432

***Position: Executive Staff Assistant I**

Department: Cornell Plantations

Description: Organization and implementation of an enhanced development program designed to increase support from individual donors, foundations, and government agencies. Provide coordination between Plantations and Cornell's office of public affairs; responsible for organization of membership activities and fundraising volunteers, and the coordination of public events.

Requirements: Bachelor's degree or equivalent. Experience with development activities in a university setting is required. (Cornell experience is particularly desirable). Experience with public relations preferred. Ability to organize and manage information is essential. Familiarity with horticulture is desirable. Proven ability to write well and communicate effectively essential. Please send cover letter, 3 page writing sample and resume to Esther L. Smith by November 11, 1985.

Job Number: PC433

***Position: Applications Programmer-Analyst II (Repost)**

Department: Vice President for Campus Affairs

Under direct supervision, design, develop, modify, maintain and document approved computer applications as needed for the Division of Campus Life departments.

Requirements: Bachelor's degree or equivalent with computer-related courses. One to three years related experience. Working

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 at 256-6200 or Computer Services.

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

(including preparation and coauthoring publications describing the work). Manage the general functioning of the lab including supervision of other technicians and students working in the lab.

Requirements: Master's degree in biology with emphasis in molecular biology, genetics and/or biochemistry. At least two years experience as a laboratory technician with supervisory responsibilities and an active role in the design, execution and publication of experiments. Experience in molecular biology, radioisotopes and microbial techniques and in Drosophila genetics and stock maintenance. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT387

Position: Technical Consultant III

Department: Theory Center

Description: Provide full range of consulting services to researchers using resources of the Cornell Theory Center, including the Production Supercomputer Facility, Theorynet, and possibly the Experimental Facility.

Requirements: Bachelor's degree (study in either computer science or one of the physical—biological—engineering sciences). 3 to 5 years experience with mainframe computers essential, with VM—CMS and array processors desirable; fluency in at least two programming languages; demonstrated ability to work with complicated, scientific programs; strong written and interpersonal communication skills. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT411

Position: Personnel Officer

Department: Campus Store

Description: Responsible for recruiting and selection of staff; formulation and implementation of personnel policies, procedures, practices; employee relations; staff training and development; payroll and appointment processing. Act as liaison with University Personnel Services.

Requirements: Bachelor's degree or equivalent education and experience in personnel related field. 3 to 5 years experience in personnel functions. Excellent verbal and written skills, organizational skills, knowledge of retail environment, and business record keeping preferred. Please send cover letter and resume to Ralph D. Jones by October 31, 1985.

Job Number: PA418

Position: Applications Programmer-Analyst III

Department: Vet Computing Facility

Description: Develop applications at the NYS College of Veterinary Medicine using the MUMPS language - including all analysis, design, programming, and documentation.

Requirements: Bachelor's degree or equivalent. Four or more years of experience in systems analysis and design and in programming in a high level language. Extensive experience in data base design and with interactive medical or administrative systems is essential. Minimum of two years experience in MUMPS language and operating system is required. Apply by November 1, 1985 to Cynthia Smithbower.

Job Number: PT413

Position: Applications Programmer-Analyst II

Department: Vet Computing Facility

Description: Develop and maintain applications at the NYS College of Veterinary Medicine using the MUMPS language including all analysis, design, programming, documentation, debugging and user support.

Requirements: Bachelor's degree or equivalent. Two or more years of experience in systems analysis and design and in programming in a high level language. Experience in data base design required. Apply by November 1, 1985, to Cynthia Smithbower.

Job Number: PT417

Position: Research Support Aide

Department: Entomology

Description: Provide research support to medical entomology program to include planning, preparation, conducting, and analysis of experimental projects dealing with biting flies, particularly mosquitoes and black flies. Also, a portion of the job will involve working with selected fly-transmitted pathogens such as filarial worms, and hemopsporid protozoa.

Requirements: Bachelor's degree with major in biological sciences; coursework in chemistry and entomology desired. Two years experience in rearing and maintaining cultures of mosquitoes and black flies; experience in handling filarial and—or protozoal pathogens in the lab; proficiency in operation of standard lab equipment and cryopreservation techniques; field experience in collecting and identifying biting flies, particularly black flies and mosquitoes.

knowledge of applications for batch and/or interactive systems, JCL, machine architecture, data-base management systems, e.g. ADABAS, dbase, and system utility programs is necessary. Two programming languages required: PL—1, Natural, COBOL, PASCAL, BASIC. Please submit cover letter and resume to Cynthia Smithbower by November 1, 1985.

Minimum Starting Salary: \$18,000
 Job Number: PT403

Position: Director of Financial Aid & Student Employment

Department: Financial Aid & Student Employment

Description: Provide overall direction and leadership for the University's financial aid and student employment programs, with direct administrative responsibility for both areas.

Requirements: Graduate degree in higher education or related fields preferred. 5 to 8 years experience in student financial aid or other appropriate administrative positions in higher education. Minimum of 3 years supervisory—management experience. Excellent oral and written communication skills. Familiarity with computer systems essential. Please send cover letter and resume to Patricia E. Hutton by November 20, 1985.
 Job Number: P427

Position: Project Manager

Department: Theory Center

Description: Direct, organize, schedule and supervise the Network Support Center staff and operations to ensure quality and uninterrupted service to users on campus and at remote locations throughout the U.S.

Requirements: Bachelor's degree or equivalent and related computer courses preferred. Experience in programming and with computer networks required. Operations and administrative experience helpful. At least 5 years related work experience required. Good organizational skills. Proven ability to handle details and meet deadlines. Please send cover letter and resume to Cynthia Smithbower by November 8, 1985.
 Job Number: PT428

Position: Counselor

Department: Student Employment Office

Description: Responsible for the coordination of on and off-campus information programs for the Cornell Tradition and counseling of students with regard to relevant employment and financial aid concerns.

Requirements: Bachelor's degree or equivalent required; Master's degree or equivalent preferred. Minimum one year experience in a college setting. Excellent oral and written communication skills. Some previous experience in financial aid, career counseling or related field required. Experience with on-line computer system and the Cornell Tradition preferred. Please send cover letter and resume to Ralph D. Jones by November 7, 1985.
 Job Number: PA425

Position: Assistant Director

Department: Student Employment Office

Description: Assist the Associate Director with planning and development of off-campus employment programs: Cornell Tradition, Summer Job Network, college Work Study and Non Work Study. Duties include development of national travel plans and schedules communication with employers and alumni; plan and implement information sessions, workshops and training events; supervision of Job Developer, support personnel and student employees; oversee promotional materials and student selection.

Requirements: Bachelor's degree or equivalent required; Master's degree or equivalent preferred. Two years of experience in higher

education administration, student personnel or other related area required. Ability to communicate effectively with a variety of publics, organize and supervise program activities effectively, function in a problem solving capacity with excellent oral and written communication skills. Please send cover letter and resume to Ralph D. Jones by November 7, 1985.

Job Number: PA426

Position: Research Support Specialist I

Department: Natural Resources - Eagle Bay, NY

Description: Collect, analyze and interpret aquatic macroinvertebrate samples from acidic and neutralized lakes. Taxonomic identification of species where possible and enumeration of organisms requiring microscopic examination. Position is in Eagle Bay, NY and requires relocation to Eagle Bay - Old Forge area.

Requirements: Master's degree in biology or aquatic ecology. Experience and familiarity with taxonomy of aquatic macroinvertebrates to species level. Requires knowledge of mounting techniques and key characteristics of head capsules under microscopic examination. General experience with limnological and statistical methods. Familiarity with microcomputers. Please send cover letter and resume to Cynthia Smithbower by November 8, 1985.

Position: Research Support Specialist I

Department: Horticultural Sciences (Geneva)

Description: Under very general supervision, design, organize and conduct vegetable evaluations and summarize results. Plan, organize and conduct replicated field trials and variety evaluations; plant, cultivate, fertilize, monitor pests, spray and harvest.

Requirements: Bachelor's degree with research experience or Master's degree in an area of plant sciences is necessary. NYS driver's license; willingness to travel; Pesticide applicators certification will need to be obtained. Must be able to operate farm machinery. Basic understanding of statistics needed for field plot design and data analysis. Good communication and interpersonal skills. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT423

Position: Retrospective Conversion Supervisor

Department: A.R. Mann Library

Description: Manage daily operation of a team (FTE and students) that will convert library catalog records into machine-readable form using RLIN system. Supervise work flow; train and evaluate team members; make staff assignments and schedules; keep statistics; issue reports and assure that quantity and quality goals are met; proofread records input in RLIN; apply MARC tags to records being input. Until December 1986; includes some evening hours.

Requirements: Bachelor's degree or equivalent experience. Minimum one year of technical services experience in libraries, preferably catalog. Supervisory experience. Working knowledge of MARC II format and RLIN or OCLC systems. Good interpersonal skills. Familiarity with foreign languages. Please send cover letter and resume to Esther L. Smith by November 4, 1985.

Minimum Starting Salary: \$13,625

Job Number: PC422

Position: Research Support Specialist II (Repost)

Department: Genetics and Development

Description: Design, conduct and analyze the results of experiments in Drosophila population genetics and molecular biology in collaboration with the principal investigator

Cornell Chronicle

Please send cover letter and resume to Cynthia Smithbower.
Minimum Starting Salary: \$13,625
Job Number: PT414

Position: Systems Analyst III (Repost)
Department: Cornell Dining
Description: Plan, supervise and coordinate the development, implementation and maintenance of the department's Management Information System.

Requirements: Bachelor's degree or equivalent. Extensive computer and systems knowledge including considerable experience in implementation of major system is essential. Must be able to program in Basic plus one other high-level language. Knowledge of interactive administrative systems preferred. Familiarity with the Honeywell DP6 mini computer and IBM PC helpful. Background in the food service industry desired. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT203

Position: Senior Systems Programmer (Repost)
Department: Theory Center
Description: Provide, under general supervision, systems support to an advanced graphics laboratory. Primary responsibility will be participation in the development of a UNIX-based scientific workstation to be used in conjunction with the Cornell supercomputer facility. Will design, implement, and evaluate low-level software such as kernel modifications, device drivers, and distributed processing communication protocols. Opportunity to work on higher level software.

Requirements: Bachelor's degree or equivalent with related computer courses. Three to five years experience. Strong background in UNIX, C, and Assembler. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT124

Position: Senior Technical Consultant (Repost)
Department: Computer Services - Academic Computing
Description: Provide teaching and consulting support for statistical computing applications. Consult on the use of statistical methods; help users interpret statistical results. Diagnose problems users may have with hardware and software; help users select hardware and software configurations that are suitable for their data analysis needs.

Requirements: Master's degree in statistics or related area or equivalent. Extensive coursework and—experience applying statistical methods to social science research applications preferred. Programming experience to include at least one high level language; expertise in a variety of mainframe and microcomputer statistics packages; proficiency in CMS, MVS, and DOS. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT317

Clerical

Current Cornell employees should submit an employee transfer application, resume and cover letter. Outside applicants for clerical positions should submit an employment application, resume and take a Cornell University typing test (please contact the receptionist at 256-5226 for an appointment). 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; 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: Outside applicants with training and—or experience in the following areas are encouraged to apply: typing, word processing, data entry and accounting.

***Position: Secretary, GR20**
Department: Human Service Studies
Description: Secretary to the Chairman and administrative staff of an academic department. Manage department main office; type correspondence, vouchers, manuscripts; arrange travel and conference; supervise work study students; serve as backup to accounts assistant; maintain department files.

Requirements: Associate's degree or equivalent. Heavy typing. Minimum two to three years secretarial experience. Experience with wordperfect using IBM PC. Shorthand. Ability to use dictaphone, adding machine, Xerox memorywriter. Good interpersonal and organization skills essential.

Minimum Starting Salary: \$12,209
Job Number: C432

***Position: Secretary, GR18**
Department: University Development

Description: Type and process annual reports to donors of endowed and annually funded University scholarships, fellowships, professorships, grants-in-aid, loans, award and prize funds; research of background information; create and update files; collection and recording of data for input into computer system; assist in preparation of special donor recognition events.

Requirements: High school diploma or equivalent. Secretarial school desirable. Medium typing. Excellent secretarial skills. Experience working in a busy office.

Minimum Starting Salary: \$10,920
Job Number: C436

***Position: Secretary, GR18**
Department: University Development
Description: Provide secretarial support for the Assistant Director of the Cornell Fund. Prepare correspondence and mailings; research; make travel arrangements; track initiatives with alumni and coordinate follow-up for Reunion Campaigns; create and update files.

Requirements: High school diploma or equivalent. Secretarial school desirable. Medium typing. Excellent secretarial skills. Experience working in a busy office.

Minimum Starting Salary: \$10,920
Job Number: C437

***Position: Searcher, GR18**
Department: Acquisitions - Olin Library
Description: Search the card catalogs, national and trade bibliographies, and RLIN Automated system for bibliographic information pertaining to books the library is ordering or has received; input records for new books and order in RLIN database. Other duties as assigned. Evening hours required; to be arranged Monday - Thursday.

Requirements: Associate's degree or equivalent. Light typing. Minimum 3 years of progressively more responsible technical services experience. Additional education may be substituted for experience. Ability to read at least one Western European language.

Minimum Starting Salary: \$10,920
Job Number: C438

***Position: Office Assistant, GR18**
Department: Physiology
Description: Responsible for several accounts; process travel vouchers; purchase orders; filing; new equipment inventory; shared responsibility for grants management; provide receptionist support; some typing of general correspondence. Full-time, regular until June 30, 1986 continuation contingent on funding.

Requirements: High school diploma or equivalent; some college coursework in accounting desirable. Medium typing. Minimum 1 to 2 years of accounting and—or bookkeeping experience necessary. Good telephone skills. Excellent organizational skills.

Minimum Starting Salary: \$10,920
Job Number: C435

***Position: Secretary, GR18**
Department: Human Development & Family Studies - Family Life Development Center - New York City

Requirements: Provide secretarial, clerical and receptionist support to the staff of the Child Protective Services Training Institute. Type; prepare vouchers, etc.; answer phones; arrange travel appointments and meetings. Other duties as assigned. Until 9-30-86.

Requirements: High school diploma or equivalent. Business or secretarial coursework desirable. Medium typing. General office skills. Ability to operate a Macintosh

computer.

Minimum Starting Salary: \$10,920
Job Number: C431

***Position: Office Assistant, GR18**

Department: Administrative Services
Description: Assemble and distribute various reports for all F&BO departments. Maintain various Job Cost System tables; input data; correct input errors; update employee master file; answer phone. Other duties as assigned.

Requirements: High school diploma or equivalent. Light typing. Previous data processing experience desirable. Excellent organizational skills essential. Familiarity with IBM XT computer. Ability to work well with a variety of people.

Minimum Starting Salary: \$10,920
Job Number: C434

Position: Administrative Aide, GR21

Department: ILR Extension
Description: Office management—coordination of four project areas for human services programs sponsored through a federal training grant. Directly responsible for administrative arrangements for approximately 30 training conferences per year including securing off-campus training sites, finalizing details, maintaining financial and program records, processing payments and dealing with outside vendors, agency representatives, and university administration. Full-time, regular until August 31, 1986.

Requirements: Associate's degree in business administration or equivalent. Heavy typing. Minimum 4 to 5 years experience. Some demonstrated supervisory experience. Ability to work independently. Knowledge of Apple IIe, PFS preferred. Shorthand helpful. Accounting experience essential.

Minimum Starting Salary: \$12,968
Job Number: C4213

Position: Accounts Coordinator, GR21

Department: Administrative Services
Description: Process commitments through Job Cost System edit labor and material input; correct errors; answer customer inquiries regarding invoices.

Requirements: Associate's degree or equivalent. Minimum two years experience working in accounting, familiarity with Job Cost Systems helpful. Previous experience with IBM XT computers a plus. Excellent interpersonal skills. Ability to work with details essential.

Minimum Starting Salary: \$12,968
Job Number: C426

Position: Accounts Assistant, GR20

Department: Unions & Activities
Description: Serve as head account clerk for Robert Purcell Union. Responsible for implementation of a cash handling—dual verification system. Coordinate time card, accounts payable and receivable processing; monthly journals; supervise assistant. Monday - Friday, 9:00 - 5:50 pm.

Requirements: Associate's degree in accounting or equivalent. Bookkeeping and accounting skills. Previous responsibility for house funds, bank and deposit preparation, and payroll processing.

Minimum Starting Salary: \$12,209

Job Number: C421

Position: Administrative Aide, GR20

Department: English
Description: The person in this position works with the Director of Undergraduate Studies on all matters pertaining to the undergraduate program in the Department as well as providing secretarial services to the Department. Type correspondence, course

Continued on Page 10

Some scenes, left and below, of the crowd at last Saturday's football game with Dartmouth at Schoellkopf Field, which the Red lost 30-27.



Job Opportunities

Continued from Page 9

work, manuscripts, etc.; answer phones; file. Other duties as assigned.

Requirements: Associate's degree or equivalent. Medium typing. Minimum 1 to 3 years secretarial—administrative experience essential. Computer and—or word processing experience required.

Minimum Starting Salary: \$12,209

Job Number: C428

Position: Data Editor, GR20 (Two positions)

Department: A.R. Mann Library

Description: Participate in a project to convert library catalog records into machine-readable form. Apply MARC tags to catalog copy being input into RLIN; search for and derive from records in RLIN database; proofread records input. Until December 1986.

Requirements: Bachelor's degree or equivalent. Light typing. Minimum one year of technical experience in a library, catalog experience preferred. Working knowledge of MARC II format and RLIN or OCLC catalog systems.

Minimum Starting Salary: \$12,209

Job Numbers: C424, C425

Position: Secretary, GR19

Department: LASSP

Description: Provide secretarial support for 4 to 5 faculty members, and their research groups. Assist professors in preparation of grant proposals; type and prepare articles for publication; maintain professors' calendars, and make travel arrangements. Considerable interaction with other Cornell departments.

Requirements: Associate's degree in secretarial science or equivalent. Heavy typing. Good technical typing and communication skills essential. Knowledge of Cornell and Ithaca communities helpful. Strong organizational skills and ability to work independently. Experience with Micom word processor helpful.

Minimum Starting Salary: \$11,570

Job Number: C427

Position: Administrative Aide, GR19

Department: Natural Resources

Description: Provide a variety of support services to a research staff. Specific duties include table and figure preparation for reports; coding of mail questionnaires; literature search; general clerical assistance.

Requirements: Associates degree, preferably in natural resources or related field. Medium typing. Coding. Figure preparation. Familiarity with computer data processing, especially in using output for tabulation from SPSSX and SAS. Please send cover letter and resume to Esther L. Smith by November 4, 1985.

Minimum Starting Salary: \$11,570

Job Number: C429

Position: Office Assistant, GR19

Department: Architecture, Art & Planning

Registrar's Office

Description: Maintain record-keeping system; provide general office support in Registrar's office; assist in preregistration and registration; considerable interaction with faculty, staff, and students.

Requirements: Associate's degree or equivalent. Medium typing. Minimum 1 to 3 years secretarial experience, preferably in an educational setting. Shorthand (80 WPM) preferred. Ability to operate business machines. Knowledge of computer terminal and Xerox 860 desirable. Good math ability essential.

Minimum Starting Salary: \$11,570

Job Number: C4214

Position: Secretary, GR18

Department: Chemistry

Description: Provide secretarial support to two professors. Type technical manuscripts, proposals and correspondence; make travel arrangements; organize and maintain filing systems; answer telephone.

Requirements: High school diploma or equivalent. Business or secretarial school desirable. Heavy typing. Minimum 2 to 3 years office experience. Technical typing. Strong communication and organizational skills. Knowledge of Micom or other word processor helpful.

Minimum Starting Salary: \$10,920

Job Number: C422

Position: Secretary, GR18

Department: College of Architecture, Art & Planning --Career Office & Minority Educational Affairs Office

Description: Provide secretarial and receptionist support for the Minority Affairs Director and Career Office Coordinator. Act as an informational resource in high student contact office; design, implement and maintain filing systems; provide typing; travel ar-

rangements; screen mail, and maintain calendars.

Requirements: High school diploma or equivalent. Secretarial school desirable. Medium typing. Minimum 1 to 2 years office experience. Strong interpersonal, organizational and office skills. Working knowledge with personal computers e.g. Macintosh helpful. Knowledge of Cornell desirable.

Minimum Starting Salary: \$10,920

Job Number: C4216

Position: Secretary, GR18

Department: School of Hotel Administration

Description: Provide secretarial and clerical support for the Director and the Assistant Director of Development and the Administrative Aide, in the daily operation of the Development office in the School of Hotel Administration. Type; data—word processing; answer phones; maintain correspondence and gift files; assist in completion of large mailings. Full-time, regular until December 31, 1987. Monday - Friday, 8:30 am - 5:00 pm.

Requirements: High school diploma or equivalent. Business or secretarial school desirable. Medium typing. Excellent typing and word processing skills. Accuracy and attention to detail. Good communication and interpersonal skills. (Sensitivity to the special nuances that are inherent to the position). Ability to respect and maintain confidentiality.

Minimum Starting Salary: \$10,920

Job Number: C423

Position: Secretary, GR17

Department: ILR School

Description: Provide secretarial support to 3 faculty members in the Department of Organizational Behavior as well as other ILR faculty when needed. Type; transcribe dictation (machine and long hand); file; xerox; receptionist duties; use word processor. Other duties as assigned.

Requirements: High school diploma or equivalent; some college preferred. Medium typing. Minimum 2 years of general office experience. Word processor skills preferred (or willingness to learn). Shorthand preferred.

Minimum Starting Salary: \$10,366

Job Number: C4217

Position: Collections Representative, GR19

Department: Bursar

Description: Collect delinquent student accounts and student loans through telephone and written communications.

Requirements: High school diploma or equivalent; Associate's degree or equivalent preferred. Medium typing. Collection experience preferred. Excellent organizational, interpersonal and communication skills.

Minimum Starting Salary: \$11,570

Job Number: C411

General Service

*Position: Dairy Cattle Supervisor, GR24

Department: Animal Science

Description: Supervise and coordinate the work area involved in dairy cattle health, treatment and reproduction; calf and heifer rearing and record keeping; assist as necessary other dairy cattle and equipment maintenance areas and related research and teaching support within dairy cattle unit. Five days per week, 8:00am - 4:30pm. Weekends and other hours as needed.

Requirements: Associate's degree in animal science or equivalent or adequate work experience; class 5 NYS Driver's License. Five years dairy cattle experience. Ability to lift 100 lbs. Prefer some supervisory experience. Pre-employment physical required.

Minimum Starting Salary: \$15,370

Job Number: S433

*Position: Greenhouse Worker, SO18
(Two positions)

Department: Bailey Hortorium

Description: Water plants, apply fertilizers, spray for insect control; mix soils, propagate and repot plants, provide general plant care (pruning, weeding, etc.); wash pots, apply—remove shading paint, maintain general cleanliness; control temperature and other environmental factors. Other duties as assigned. Monday - Friday, 8:00am - 5:00pm. Some weekend and holiday hours (on rotating shift).

Requirements: Associate's degree in horticulture (or equivalent education and experience preferred). State Certified for pesticide application. Valid driver's license required. One year's experience in greenhouse work required. Strong interest in plants preferred. Ability to work with limited supervision.

Minimum Starting Salary: \$5.41—hour

Job Number: S434

*Position: Custodian, SO16

Department: Buildings Care - Endowed

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Wednesday - Friday, 6:00am - 2:30pm; Saturday and Sunday, 4:00am - 12:30pm.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84—hour

Job Number: S432

*Position: Custodian, SO16

Department: Care of Buildings - Endowed

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday - Thursday, 6:00am - 2:30pm; Friday 6:00am - 1:30pm.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84—hour

Job Number: S436

*Position: Custodian, SO16

Department: Buildings Care - Endowed

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday - Thursday, 6:00am - 2:30pm; Friday 6:00am - 1:30pm.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84—hour

Job Number: S431

*Position: Custodian, SO16

Department: Unions and Activities - Endowed

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. 5:00am - 2:00am, days or nights.

Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.84—hour

Job Number: S435

Position: Machinist, GR22

Department: Lab of Nuclear Studies

Description: Machining and assembly of highly sophisticated experimental apparatus using precision machine tools and inspection equipment.

Requirements: Associate's degree in mechanical technology or equivalent. Ability to apply algebra and trigonometry to shop situations. Some shop experience.

Minimum Starting Salary: \$13,667

Job Number: S424

Position: Cook, SO22

Department: Cornell Dining - Endowed

Description: Prepare food for service through own efforts and/or through supervision of kitchen employees. 40 hours per week; vary.

Requirements: High school diploma or equivalent. 3 to 5 years experience in preparing full range of entrees, sauces, soups and accompaniments. Skilled in presentation and garnishing food. Knowledge of use and maintenance requirements for the following equipment: charbroilers, steam jacket kettles, pressure steamers, ovens, slicers, mixers, choppers and various hand tools.

Minimum Starting Salary: \$6.77—hour

Job Number: S412

Position: Short Order Cook, SO18

Department: Cornell Dining - Endowed

Description: Prepare and serve food directly to customers from a short order area. Monday - Friday, 40 hours per week.

Requirements: High school diploma or equivalent. Six months related experience. Familiarity with short order cooking equipment. Ability to prepare a variety of foods under pressure. Good customer relations.

Minimum Starting Salary: \$5.41—hour

Job Number: S416

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.

*Position: Technician, GR20

Department: Division of Nutritional Sciences

Description: Perform chromatographic (gas-liquid, liquid) and spectrophotometric analyses primarily of carbohydrates. Perform other quantitative analytical procedures related to dietary fiber. Assist in development of improved methods for dietary fiber analysis. Help maintain and supervise use of laboratory instruments. Conduct library searches and assist in preparation of laboratory research reports.

Requirements: Bachelor's degree in biochemistry, chemistry or related biological science with 2 years relevant experience; Master's degree helpful. Experience in gas-liquid chromatography and spectrophotometry desirable. Apply by November 15, 1985.

Minimum Starting Salary: \$12,209

Job Number: T431

*Position: Technician, GR20

Department: Division of Nutritional Sciences

Description: Assist in lipid metabolism research; prepare purified proteins and lipoproteins, perform protein and lipid analyses and enzyme assays; collect blood and tissue samples; use micro-computer for math calculations.

Requirements: Bachelor's degree in biochemistry or animal physiology with at least 1 year lab experience. Should be familiar with biochemical lab equipment such as spectrophotometer, scintillation counters, chromatography. Apply by November 15, 1985.

Minimum Starting Salary: \$12,209

Job Number: T433

Position: Network Operator, GR20

Department: Theory Center

Description: Responsible for the operation of the network and troubleshooting problems involving diagnosis and correction. Will be the contact person for network status questions and assist users' solve immediate problems.

Requirements: Associate's degree in data processing. Experience as a computer operator desirable and/or programming experience. Experience troubleshooting and/or repairing equipment useful. Good organizational and interpersonal skills. Must be able to work under pressure and meet deadlines. Apply by November 7, 1985.

Minimum Starting Salary: \$12,209

Job Number: T421

Position: Technician, GR19 (Repost)

Department: Animal Science

Description: Provide technical support for a Dairy Cattle Nutrition Experiment. Will summarize data, weigh feeds and experimental chemicals; monitor animal performance and health and make modifications in feed if needed. Responsible for student supervision 20 to 39 hours per week; until September 1986.

Requirements: Bachelor's degree in animal science or a related field. Prior supervisory experience desired. Excellent interpersonal and communications skills. Apply by November 1, 1

equivalent. Medium typing. Some coursework in business desirable. Accuracy and attention to detail essential. Knowledge of accounting. Mathematical aptitude essential. Excellent communication skills. An interest in music. Please send cover letter and resume to Esther L. Smith by November 8, 1985.

Minimum Starting Salary: \$10,366—annual equivalent

Job Number: C433

Position: Accounts Assistant, GR19

Department: Food Science

Description: Provide clerical and accounting support to the office of senior administrator. Handle computer entry, analysis of restricted accounts, prepare vouchers and work on interdepartmental charges, general filing, preparation and distribution of monthly statements. Other duties as assigned. Part-time, regular, 20 hours per week; flexible.

Requirements: Associate's degree in business or equivalent. Medium typing. Computer competency, familiar with Lotus 1-2-3. Excellent accounting skills.

Minimum Starting Salary: \$11,570—annual equivalent

Job Number: C4211

Position: Technician, GR18 (Repost)

Department: Diagnostic Laboratory

Description: Assist in the preparation, conduction and data compilation in swine research projects and extension programs. Restraint of animals, collection of blood samples, urine samples, fecal specimens, skin scrapings and biopsies. Assist with necropsy exams, collect and process tissues for clinical research procedures. Perform various clerical duties associated with continued operation of a research program, including typing, filing, library searches, and ordering supplies. Part-time, regular for a period of at least three years. 25 hours per week; negotiable.

Requirements: Associate's degree in animal science or technology desirable. Previous experience handling large domestic animals preferred; Manual & Mechanical proficiency, driver's license. Ability to work with necropsy specimens and tissues. Experience with, or a desire to receive training in, the use of computers and simple statistics.

Minimum Starting Salary: \$10,920—annual equivalent

Job Number: T383

Position: Secretary, GR18

Department: School of Hotel Administration

Description: Provide office support to Director and administrative aide for the Alumni Affairs Office. Word processing; type correspondence; files; assist in large mailings; light editing; arrange appointments; screening phones; enter membership dues statements into the data base, dues checks balancing, preparation and distribution of graduation packets, etc. Part-time, regular until December 31, 1987; Monday-Friday, 8:30 am - 1:30 pm - 25 hours per week.

Requirements: High school diploma or equivalent. Business or secretarial school desirable. Medium typing. Knowledge of word processing. Good written and verbal skills. Accuracy and attention to detail. Ability to work independently, handle pressure, meet deadlines and maintain confidentiality.

Minimum Starting Salary: \$10,920—annual equivalent

Job Number: C4212

Position: Records Assistant, GR16

Department: Catalog - Olin Library

Description: Participate in project to convert library catalog cards in the sciences and technology into machine-readable form using RIN system; input original records into RLIN. Part-time, regular until December 31, 1986; Monday-Friday, 8:00 am - 5:00 pm; 20 hours per week.

Requirements: High school diploma or equivalent. Medium typing. Some office experience. Knowledge of computer input helpful. Ability to perform detailed and repetitive tasks accurately. Knowledge of or experience with foreign languages helpful.

Minimum Starting Salary: \$9,874—annual equivalent

Job Number: C4215

Position: Records Assistant, GR16

Department: Catalog - Olin Library

Description: Pull cards from various catalogs, leaving temporary slips where necessary; retrieve library material from stacks or other locations; type bibliographic records into RLIN on-line bibliographic data base from worksheets prepared by catalogers. Other duties as assigned. Part-time, regular; Monday-Friday, 25 hours per week.

Requirements: High school diploma or equivalent. Medium typing. Ability to do detailed work with skill and accuracy. Previous

library experience desirable, but not necessary.

Minimum Starting Salary: \$9,874—annual equivalent

Job Number: C4210

Position: Technical Assistant, GR17

Department: Poultry & Avian Sciences

Description: Collect and prepare tissue samples; collect, prepare and process antisera; set up and run serological assays; and perform cell viability counts. Handle live experimental animals such as chickens and possibly some rabbits or mice. Other duties may include assisting in cell culture work and in routine laboratory housekeeping. 24-36 hours per week until September 30, 1986.

Requirements: Associate's degree in biology or related field; Bachelor's degree preferred in biology and—or immunology. Coursework in chemistry, immunology, and—or hematology is desirable. Some laboratory experience, either from previous job experience or from college-level laboratory coursework. Previous experience microscopy, electrophoresis, and histology are desirable. Apply by October 31, 1985.

Minimum Starting Salary: \$10,366—annual equivalent

Job Number: T413

Position: Research Support Aide

Department: Division of Nutritional Sciences

Description: Develop, manage, and run well-documented programs for using statistical packages to analyze data. Prepare data sets for such analyses by using editor, sorter, and utility programs. Back-up data sets onto tape. Help administrate computer accounts and tape library. Some consulting with graduate students. Monday-Friday, 20 hours per week; flexible.

Requirements: Bachelor's degree with research experience and experience using computers. Ability to handle research data sets. Science background desirable. Statistical skills, knowledge of statistical packages, and some programming experience helpful.

Job Number: PT402

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 Conlon at 256-5226.

*Position: Temporary Technician

Department: Veterinary Pathology

Description: Perform biochemical procedures for studies of the synthesis and structure of protein including radioisotopic labeling of cultured cells, protein purification, SDS-polyacrylamide gel electrophoresis and liquid chromatography. Full-time, temporary until May 1, 1986.

Requirements: Bachelor's or Master's degree in biochemistry or a related field. Experience in protein and for nucleic acid biochemistry is preferred. Apply by November 15, 1985.

Minimum Starting Salary: \$6.8—hour

Job Number: T432

Position: Temporary Technical Staff Writer (Repost)

Department: Food Science

Description: Responsible for library research on specific scientific topics, particularly nutritional aspects of fatty acids; conduct literature searches, and collate publications; summarize scientific publications; assemble written overviews and write summaries. Monday-Friday, 20-30 hours per week to be arranged.

Requirements: Bachelor's or Master's degree in Nutritional—biological sciences—chemistry. Medium typing. Some research experience in appropriate areas. Competence in word processing (IBM). Training and experience in technical writing. Familiarity with IBM PC essential. Please send cover letter and resume to Cynthia Smithbower.

Minimum Starting Salary: \$5.00—hour

Job Number: T328

Academic

Please contact department directly.

*Position: Assistant or Associate Professor

Department: Labor Economics, NYS School of Industrial and Labor Relations

Contact: Professor Gary Fields, 164 Ives Hall

Job Number: A431

*Position: Senior Research Associate I (CA07)

Department: Avian & Aquatic Animal Medicine

Contact: Dr. Bruce W. Calnek, Chairman, Department of Avian and Aquatic Animal Medicine, NYS College of Veterinary Medicine

Job Number: A432

*Position: Tenure-track Assistant Professor

Department: Sociology

Contact: Professor Michael Hannan, chair, Recruitment Committee, Department of Sociology, Uris Hall

Job Number: A433

Position: Full Professor in American Literature

Department: English

Contact: Professor Dorothy Mermin, 256 Goldwin Smith, by November 15, 1985.

Job Number: A411

Position: Assistant Professor (2 positions) in English

Department: English

Contact: Professor Dorothy Mermin, 256 Goldwin Smith, by November 15, 1985.

Job Number: A412

Position: Laboratory Lecturer, Cell Physiology

Part-time, 5 month—year (January - May)

Department: Section of Physiology, NYS College of Veterinary Medicine

Contact: Neil H. McLain, Administrative Manager, 256-5454, ext. 2429

Job Number: A361



Meltable Snaps It is one of the groups performing here this weekend as part of the New Music Network Tour. This group, composed of (from left) Christian Marclay, David Moss, Michale Lytle and George Cartwright, plays Saturday at 2 p.m. at the Herbert F. Johnson Museum of Art. For a complete rundown of the various groups on campus during the tour, see page 11 of last week's (Oct. 24) Chronicle.

Research Here Shows Costs For Highway Repair Can Be Cut

The high cost of rebuilding highways can be significantly reduced and the life of new roads increased by a technology being promoted at Cornell.

Known as "road base recycling," the construction method uses materials from an old road in the new road that replaces it.

"The advantages of this technology are impressive," said Lynne H. Irwin, director of the Cornell University Local Roads Program and an associate professor of agricultural engineering in the State College of Agriculture and Life Sciences.

"By using this method, you can rebuild up to four miles of a road for the price of one mile of conventional road construction," he said.

Base recycling involves reusing the "base course" of a road. The base course is the layer between the blacktop or concrete on the surface of the road and the natural ground beneath.

The key to the cost savings is that road base recycling technology actually strengthens the base of the worn-out road, while significantly reducing the amount of new materials needed for reconstruction.

Irwin said that the recycling technology has been around for many years, but its widespread use by highway crews is limited.

For the past decade, however, Irwin and his colleagues at Cornell have been fine-tuning the base recycling technology.

Irwin said he is confident that base recycling will become increasingly popular as more highway officials learn of its advantages.

If the recycling method is used properly, he said, the new road will be stronger than

the original road, will last longer, and will use less materials. As a result, the cost of the new road will be less, and the dwindling resources for road construction will not be used up as fast.

Typical road bases are made up of compacted stone and gravel. Through the normal period of a road's life, the base course beneath the blacktop deteriorates from the weight of heavy trucks, from frost heaving, and from normal wear. Once the base deteriorates, it can no longer support the vehicle weight, and the road must be torn up and rebuilt, Irwin says.

When conventional construction methods are used, a road is rebuilt with all new materials, literally from the ground up. The old road materials are dug up and discarded.

When the base recycling method is used, however, the base and even parts of the top course of blacktop or concrete are incorporated into the new road.

The first step in base recycling reconstruction is to strip off the top course, pulverize it, and blend it into the old base, or else save it for reuse on top of the new road, depending on its condition.

After the top course of asphalt or concrete is removed, the exposed base is plowed up and loosened for a depth of eight to 10 inches. Highway crews then add a binding agent to the base.

After the binding agent is spread, a machine resembling a huge rototiller mixes the binding agent with the base material, and the new base is compacted with a roller. After the base cures, the final top course of blacktop or a chip seal is applied.

Mystery Dizziness Affects Six People

Four students were taken to Tompkins Community Hospital Monday afternoon after one of them fainted and the others complained of dizziness and nausea while taking a quiz in biology lab in the new Academic II building. One of the students was kept overnight at the hospital, and the others were treated and released.

Two public safety officers who responded also were treated at the hospital and released. Twelve other people in the room were not affected and no cause has been determined.

Staff from the university's Office of Environmental Health conducted a series of tests in the lab, but found no trace of toxic chemicals or gasses. "It is an isolated incident, and we feel there are no problems with the building itself," said Judith Crawford, assistant director of environmental health.

The biology lab, one of five such labs on the first floor of Academic II, was put back in use at 5 p.m. Monday and there have been no other reports of problems, Crawford said.

Brief Reports

Museum of Modern Art Photo Director to Lecture

John Szarkowski, director of the department of photography at the Museum of Modern Art in New York City, will give a free public lecture at 8 p.m. Monday, Nov. 4, in the Hollis E. Cornell Auditorium of Goldwin Smith Hall.

His topic will be "Diane Arbus as a Photographer." Szarkowski will be on campus Nov. 2-9 as one of Cornell's Andrew Dickson White Professors-at-Large.

In addition to taking part in various classes and seminars on photography in the College of Architecture, Art, and Planning, he will give two other free public talks on Friday, Nov. 8.

Szarkowski will discuss the work of various photographers from 10 a.m. to noon in Room 215 of Tjaden Hall, and conduct an informal dialogue with four artists now appearing in the Museum of Modern Art's "New Photography" show, at 3 p.m. in Room 115 of Tjaden Hall.

He also will conduct office hours in Room 104 of Tjaden Hall. Appointments may be made by calling 256-3558.

Extension Advisory Council Has Five New Members

The Advisory Council for Cornell Cooperative Extension has five new members, representing Monroe, Niagara, Oneida, Sullivan, and Warren counties.

Appointed for three-year terms are Robert R. Lebman of Rochester, Agnes Printup of Sanborn, Barbara Cowdery of New Hartford, James Gorman of Parksville, and

Glenn L. Pearsall of Johnsbury. Their appointments were made by Lucinda A. Noble, director of Cornell Cooperative Extension.

Made up of 25 members selected from among residents of New York State, the advisory council advises the director of Cornell Cooperative Extension on program directions, priorities, finances, and other matters of concern to Cooperative Extension associations in counties.

A partnership of county, state, and federal governments, Cornell Cooperative Extension has field offices in each of the 62 counties.

Libraries Have Exhibition About Urban Planners

On the occasion of the 50th anniversary of the city and regional planning program here, the Department of Manuscripts and University Archives of the Cornell University Libraries has prepared an exhibition, "Urban America: Documenting the Planners."

This exhibition, held in the John M. Olin Library and the Fine Arts Library through Dec. 31, includes 215 items drawn from the papers of individual planners and planning organizations. It seeks to convey an overview of the origins and development of the planning profession in America and to provide a sense of the dynamic role these individuals and organizations played in shaping American cities.

It also illustrates the beauty and the innovative thinking that are documented in these papers. Collectively, these items impart a sense of the scope and richness of the collections for research, according to the exhibition's sponsors.

Faculty Can See Latest Software Tools For Instruction in Session Set Nov. 7

Cornell faculty can see firsthand the latest tools for developing computer software for instructional use at a special afternoon symposium on authoring systems and interactive technologies Nov. 7 at Statler Hall.

Sponsored by Cornell Computer Services, the symposium will begin at 1:15 p.m. in the West Lounge and will feature six of the most innovative and popular authoring systems in use in educational institutions today, according to Geri Gay, a Computer Services technical advisor.

Gay describes authoring systems as programmerless tools specifically designed to facilitate the development and preparation of computer-aided instructional (CAI) materials. Authoring languages consist of English-based instructions or commands and rules of syntax for putting commands together. They

are designed to make it easy to create lessons that instruct and that help students assess their mastery of the material. Almost 300 systems are currently on the market, Gay said.

Both menu-driven and command-type systems have been included.

A related event, the regular Lunchtime Bytes Seminar, will precede the symposium. Dr. Daniel Alonso of the Cornell Medical College will discuss the use of interactive video and laserdisc technology in medical instruction. The seminar will begin at 12:20 in Room 100, Caldwell Hall, and it and the symposium are open to the campus community.

For further information contact Geri Gay at 444 Day Hall or at 256-4981.

The Week in Sports

Three Red Teams Have Important Games at Home During This Week

By JOHN HERON
Sports Information

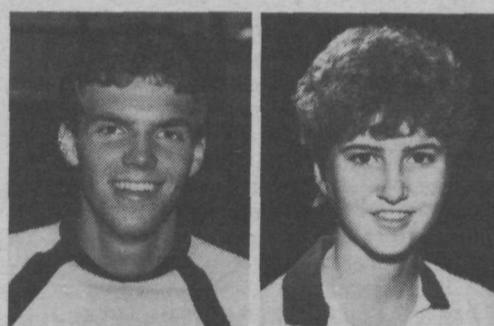
Three Big Red teams have important contests at home this week. The lightweight football team will play its final game of the year Friday when it entertains Pennsylvania at 7:30 p.m. on Schoellkopf Field. The men's soccer team will seek to continue its drive toward a possible bid to the NCAA tournament when it faces St. Francis at 7:30 p.m. Tuesday on Schoellkopf.

The women's volleyball team will be trying to keep the momentum going heading into the New York state tournament (to be held at Cornell on Nov. 8-9) on Wednesday as it plays host to Syracuse at 7 p.m. in Helen Newman Gym.

On Friday, the men's and women's cross country teams will compete in the Heptagonal championships at Van Cortlandt Park in New York City. The freshman football squad will be at Army on Friday and the varsity football team is on the road to play Bucknell Saturday.

The women's volleyball team plays in the Drexel Tournament, while the men's and women's fencing squads will also be in Philadelphia over the weekend, competing in the Temple Open. Two squads will travel to Princeton; the women's field hockey and women's soccer teams will face the Tigers in Saturday morning matchups.

Meanwhile, the men's hockey team will hold its annual Red-White Game at 7:30 p.m. Saturday in Lynah Rink. The Big Red men's squad will use the annual exhibition contest as a warmup for its season opener, scheduled for Nov. 9 at home against Western Ontario. Tickets for the game cost \$2 for adults and \$1 for students and may be pur-



JIM KILGORE
Soccer
ERIN MCPeAK
Tennis

chased at the door.

A victory for the lightweight football team against Pennsylvania Friday night would enable the squad to finish with a .500 record. Cornell takes a 2-3-1 overall record into the contest, and is also 0-3-1 in the ELFL. Senior tailback John Bridges, the league's fourth-leading rusher, has picked up the offense with his steady performances this year. Bridges' best game came against Princeton when he gained 89 yards on the ground. The quarterback duties have been split between senior Rob Lynch and sophomore Dave Zittel, who completed five of 10 passes for 40 yards in the 27-0 loss to Army last weekend. Senior defensive back Dan Gilroy has led the defense, which has yielded fewer than 16 points per contest.

Pennsylvania is currently 0-4 in the ELFL, as it lost to Rutgers last Saturday, 28-17. Cornell defeated the Quakers last season, 42-15, and has taken the last 13 games between the two schools.

The men's soccer team has had a fine year thus far, riding atop the Ivy League standings with a perfect 5-0 record and compiling an 8-3 overall mark thus far — guaranteeing a winning season. With two league games remaining on the schedule, Cornell has already equalled its most wins ever in league play, and this is the first time since 1975 that the Big Red has won its first five league contests. Cornell is shooting for its first Ivy title since 1977.

The Red posted a 1-0 victory over Dartmouth last Saturday to improve its lead in the league standings to a game and a half over second-place Columbia. Sophomore John Bayne added to his conference-leading point total by tallying the lone goal of the contest. He now has five goals and two assists in the league, and also leads Cornell in scoring with five goals and three assists. Forward Steve McPherson assisted Bayne's tally, as he now has three goals and two assists on the year. Senior Jim Kilgore turned in a solid game in the nets with six saves to earn his second shutout of the season. He has an outstanding goals against average of 0.3 and a save percentage of .966.

Tuesday's game with St. Francis is a very important one if Cornell is to remain in contention for a post-season playoff bid. The Red is currently ranked fifth in the state and must continue winning, while getting some help from other squads, in order to move up in the weekly poll. The top two teams in the state automatically receive bids to the NCAA tournament, but as many of four teams from the region may be selected. The Cornell-St. Francis series is knotted at 1-1 after the Big Red dropped a 1-0 decision last fall.

The women's volleyball team has had an

SAGE CHAPEL

Dominican Nun To Speak Sunday

Sister Mary Francis McDonald, O.P., a Dominican nun and professor of church history at Maryknoll Theological Seminary, will speak at Sage Chapel at 11 a.m. Sunday Nov. 3. Her sermon topic will be "Commandments - Still?"

Sister Mary Francis received her M.A. from the Catholic University of America in Latin and Greek; a Ph.D. from Catholic University of America in Latin-patristics, Greek, history; and has done post-doctoral study in history, theology and education at Catholic University, Vanderbilt University, University of Scranton, Fordham University, and the General Theological Seminary. She participated in a study tour in Israel in 1972 (Seton Hall University) and during 1984-85 she was on sabbatical, which was one of mission exposure, travel and study.

Sister Mary Francis has been a member of the congregation of women religious of the Dominican Sisters of Newburgh, N.Y. since 1939. Her educational experience includes several positions at Mount Saint Mary College in Newburgh — instructor and professor of classics and history (1960-70); dean of students (1960-64); and president (1965-71). She has been a high school teacher at Mount Saint Mary Academy; major superior of the Congregation of Sisters of Saint Dominic, and an adjunct faculty member of the Immaculate Conception Seminary.

Music for the service will be provided by the Sage Chapel choir under the direction of Donald R. M. Paterson, university organist and Sage Chapel choirmaster.

Philip Will Jr.

Trustee Emeritus Philip Will Jr., '28, died Tuesday, October 22, in Venice, Fla., of a heart attack. Funeral services will be privately held; memorial designations have yet to be determined. He is survived by his wife, Carolyn Will, son Philip S. Will (B. Arch. '64), daughter Elizabeth Will Wade (A.B. '60), and a brother Munro Will ('33).

Francis Mineka

A memorial service for Francis E. Mineka is scheduled for 4 p.m. Saturday, Nov. 2, in Sage Chapel, followed by a reception at the A.D. White House. The former dean of the College of Arts and Sciences and the Class of 1916 Professor of English, Emeritus, died Oct. 4. He was 78.

outstanding season thus far, but the biggest challenges still lie ahead. In getting ready for the upcoming New York state and Ivy League championships, the Big Red has upped its record to 15-4. The team is coming off a strong first-place finish at the Colgate Tournament last weekend, winning three of four matches in the tourney. Freshman Kathy Klein did a fine job blocking and hitting, while junior Brenda Collins and senior Jennifer Stiles also played well over the weekend.

The Orangemen hold a 10-4-1 advantage against Cornell in the series. Last year, the two teams split 3-2 victories, and Syracuse defeated the Red earlier this season, 3-1, which came at the Syracuse Tournament. The Orangemen will give the Big Red the strong challenge it needs before defending its state title.

The women's tennis team won its second straight New York state team championship in Albany this past weekend. The netters edged Columbia by two points to duplicate the feat from last year. The junior tandem of Anne Meining and Lauren Levine won the state doubles title after finishing second last season, defeating a team from Colgate by a 6-3, 7-6 margin.

Junior Cynthia Cummis and sophomore Carolyn Savage won the consolation bracket with a 4-6, 6-3, 7-6 victory. The highlight of the singles action came when sophomore Erin McPeak pulled off a stunning upset of the tournament's No. 1 seed and advanced to the finals. She dropped a 6-2, 4-6, 6-4 decision to finish as the runner-up in the singles category, losing to Amy Perkel of Columbia, who had ousted Cornell sophomore Barbara Prins in the semifinals.

Networking

A Cornell Newsletter Published by Employees for Employees

AROUND CORNELL

Railfans, Modelers and Historians: All Aboard

The Cornell Railroad Historical Society is an eight-year old organization, located at Cornell University and affiliated with the National Railway Historical Society. We have nearly 100 people on our roster, ranging from university staff members to a journalist, several accountants, students, and many more, all with an interest in some facet of railroading. We are open to all members of the community. We enjoy the past grandeur but also appreciate the current problems of the railroad industry. We have a keen interest in its continued survival.

During the past several years, we have accomplished a great deal to expand our group and to also promote our varied interests in railroads. Besides our monthly meetings which are held at 7:30 p.m. on the second Tuesday of each month (1120 Snee Hall, Cornell University) we have joined the NRHS as the Cornell Chapter. We have also held fantrips to Albany, Chicago and Toronto and are planning a future trip to Montréal.

We hold an annual members banquet, annual picnic, and an annual "Finger Lakes Railfair." The fairs are held in the fall and the average attendance is nearly 1,500. Our club has also constructed a large 21' x 40' "HO" modular layout as well as a similar "N" layout. We have displayed the layouts at the Syracuse Train Show as well as Pyramid Mall and Center Ithaca.

The goals of our group are far-reaching and hopefully are realistic. We have been offered and are in the process of obtaining a 65-ton Whitcomb locomotive. We hope to move it to this area and restore it to dependable service. It should not be difficult to accomplish! Beyond that, we would like to also obtain a coach or two and perhaps a caboose. With a little "elbow grease" we could have a small excursion train. Again with a little effort, we could perhaps convince Conrail to allow us an occasional excursion up along Cayuga Lake.

Our regular meetings are fairly informal with a wide spectrum of interests represented. We have railfans, historians, model railroaders and even a few trolley enthu-

sists. It doesn't cost a penny to come and attend our meetings!! We have speakers, movies, slides, contests and in general, just a good time railroading.

Railfair on Track for Nov. 3

The Cornell Railroad Historical Society of Cornell University in conjunction with the Cornell Chapter of the National Railway Historical Society will hold the fourth annual "Finger Lakes Railfair" on Sunday, November 3, 1985 in Ithaca, New York. The location will be the Ithaca High School building (just off Route 13) near Stewart Park. Railfair, 11:00 a.m. to 5:00 p.m.

The fair will feature several large operating model layouts, model displays, railroad

artifacts and collectibles, railroad literature, slide and movie presentations, as well as flea market tables and other railroad-oriented displays.

Donation: Adults - \$1.50, Child 6-12 - \$.75, Family - \$3.00.

For further information: Please contact Thomas Tencansky, 3 Greystone Drive, Dryden, New York 13053 (Cornell 607-256-5352, Home 607-844-4767).



A 1944 Whitcomb locomotive, former U.S. Army 8467, being donated by Gulf Oil to Cornell Railroad Historical Society. (Photo by Tom Tencansky)

Your Employee Benefits

It is again time to consider enrollment in Select Benefits. Enrollment will take place during the month of November. The following is a summary description of the Plan.

Select Benefits allows you to pay your health care premium and certain eligible medical care and dependent care expenses with before-tax dollars. You may enroll in any of the three Select Benefits options.

HEALTH CARE PLAN PREMIUM CONTRIBUTION

Employee contribution for any health care plan under which you are covered as a Cornell employee is automatically converted to a before-tax payment.

MEDICAL CARE REIMBURSEMENT ACCOUNT

Eligible expenses include acupuncture, alcoholism and drug addiction treatment, birth control pills, braille books and magazines, co-insurance amounts, contact

lenses, cosmetic surgery, deductibles and co-payments for health care insurance, dental out-of-pocket expenses, doctor's fees, drugs, electrolysis, equipment needed because of medical condition, eye examinations, eye glasses, guide dogs, hair transplant, hearing aids, including batteries, hospital services, immunizations, laboratory fees, lodging and meals, essential to obtaining medical treatment at a medical facility, medical out-of-pocket expenses, Medicare part A & B premiums, nursing home medical expenses, nursing services, orthodontic care, oxygen, physical examinations, including check-ups, premiums for health care insurance, prescribed foods, prescribed vitamins, special schools for the mentally and physically handicapped, therapy received as medical treatment, transplants, including donor expenses, transportation to obtain medical care at a medical facility, well-baby visits, X-ray fees.

DEPENDENT CARE REIMBURSEMENT ACCOUNT

Expenses which you incur which enable you to work include day care centers...private baby sitters...nursery schools...household services to care for your dependent and run your home (including cooking and cleaning) - for care of:

child age 14 or younger
disabled spouse, or
other disabled dependent

ENROLLMENT

The enrollment period for the full 1986 Plan year (January 1 through December 31, 1986) will be throughout the month of No-

USE OF REIMBURSEMENT ACCOUNT

Minimum contributions: \$5.00 per pay period, if you are contributing to two accounts, at least \$2.50 per account per pay period.

Maximum contributions: \$250.00 per pay period to one or both reimbursement accounts.

Reimbursement: To receive a reimbursement, file a Medical Care Reimbursement Account Claim form (pink) or a Dependent Care Reimbursement Account Claim form (yellow) whenever you have incurred a total of \$50.00 or more in eligible expenses. At the end of the Plan year, in December, or during the three month grace period (January 1 through March 31, 1987) you may file any expenses regardless of the amount.

If you claim a reimbursement for more than is in your account, you will be reimbursed as your account is credited, until the bill is reimbursed in full or the Plan year

Continued on second page

Select
BENEFITS

vember 1985. Your enrollment cannot be changed during the Plan year unless you are subject to a change in family status or employment status as defined under the Plan.

Changes in employment status that allow you to change your enrollment during the Plan year:

promotion or reclassification affecting salary,

changes among endowed, statutory and extension employment,

changes between regular full-time and regular part-time status,

changes between regular full-time and regular part-time status and the following classifications: leave, laid off, temporary employee, casual employment, sabbatical, disability pay, Workers' Compensation, terminated, retired, deceased.

Changes in family status that allow you to change your enrollment during the Plan year:

unmarried to married,

married to divorced or widowed or legally separated,

birth of a child,

adoption of a child,

addition of a step-child,

change from a family with children to a family (or individual) without children,

loss or acquisition of spouse's employment.

Health Insurance Meetings For Statutory Employees

The current Statewide Plan and GHI Option will be replaced by a new health care coverage, the Empire Plan, effective January 1, 1986. Seminars to discuss the features of the new plan will be held as follows:

Monday, November 4
Morrison Hall Auditorium

1:00 - 2:30 p.m.

Tuesday, November 5
Martha Van Auditorium

8:30 - 10:00 a.m.

James Law Auditorium

2:00 - 3:30 p.m.

Wednesday, November 6
T & R Center, Harford

8:00 - 9:30 a.m.

Room 45, Warren Hall

1:30 - 3:00 p.m.

Friday, November 8
Jordan Hall Auditorium, Geneva

1:30 - 3:00 p.m.

All statutory employees are strongly urged to attend one of these seminars. Information on Select Benefits will also be available at these meetings.

Just For Your Information

Select
BENEFITS

1985 PLAN YEAR FIGURES

Select Benefits provides three options which permit you to convert salary into pre-tax dollars to pay health care premium contributions, eligible medical care expenses and eligible dependent care expenses.

	Option #1 Health Care Premium Contribution	Option #2 Medical Care Reimbursement Account	Option #3 Dependent Care Reimbursement Account
Number Enrolled	2037	945	212
Individual biweekly average not subject to tax	\$16.53	\$28.40	\$92.65
Individual average (six month) total not subject to tax	\$198.36	\$340.78	\$1,111.78

Cornell employees who enrolled this year set aside over \$961,000 (not subject to tax) to pay for eligible expenses.

The enrollment period for 1986 will be during November.

CRC News

CORNELL RECREATION CLUB

CRC Park Site Announcement

The Cornell Recreation Club (CRC) has enlisted the aid of the sophomore Landscape Architecture Studio to add a professional touch to the planning process of the new CRC park site. The studio, which is under the direction of Professor Marvin Adelman of the Department of Landscape Architecture/Floriculture Ornamental Horticulture, consists of twenty-four students. Some students will work in groups while others may choose to work independently. The end result will be four to six final designs for review.

During the planning and development phases of the park, to insure that full consideration will be given to the many concerns of CRC, the following factors will be taken into consideration by the students: site anal-

ysis, site accommodations, design procedures, construction schedule, and future CRC program objectives.

The design process will begin November 4th, be completed on December 6th, and culminate on December 7th when the designs will be juried. It is hoped that the final designs will be displayed for review by the CRC membership at the annual holiday dinner dance on December 7th.

The board of directors and membership of the Cornell Recreation Club are enthusiastic about this undertaking and are most appreciative of this tremendous opportunity to have professional help in the design of the park.



CRC Display for Employee Day

One of the popular attractions at the Employee Day event has been display booths of employees at work and at play. The department of Public Safety and Life Safety Services always seem to have very popular booths. They both had excellent displays with various ways to attract attention to safety tips. They are to be congratulated. Not to be outdone, and to demonstrate that play is important too, the Cornell Recreation Club (CRC) provided a booth this year. The

display was designed by Earl Hartman, civil engineer designer with the engineering department of facilities. Marie Vallely, a newly appointed member of the public relations and membership committee, faithfully tended the CRC booth that day.

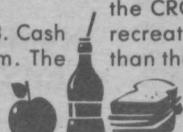
CRC is on the move. The public relations and membership committee, chaired by Donna Vose, invites all Cornell employees to be a part of it.

Highlights of Coming CRC Events

by George Peter

Highlights of coming events for CRC members and their guests are listed. The children's holiday party is set for December 14. A NYC trip is planned for that same day, December 14. Twenty-two dollars (\$27 for non-members) will get you to the Big Apple and back for whatever you want to do there. Call the CRC office (6-7565) for details. Those not going to "the city" may want to volunteer their help for the children's party. Maybe you will want to register your child or grandchild to attend the party.

The big event is December 7 at TC-3. Cash bar opens at 6 p.m. Dinner is at 7 p.m. The



brown bag luncheon

by Catherine Fitzgerald

On October 9 the art of negotiation was delightfully presented by Professor Earl Brooks at the first Brown Bag Luncheon of the fall semester. Professor Brooks captivated his audience with entertaining anecdotes of negotiation in action, or as the case may be, inaction.

We learned there are steps to take and rules to go by before, during, and after the negotiation process. This can make a marked difference on the outcome of the negotiation and also the satisfaction of both parties. It was also interesting to discover that some settlements and expenses which you may feel are written in stone can actually be negotiated, such as insurance claims and certain retail purchases. The important thing is knowing these things can be negotiated and being able to do it with confidence, sensitivity, and skill.

If your lunches have become drab and ordinary or you'd just like to get out and do

something different, join us for a Brown Bag Luncheon in Martha van Rensselaer, room NG-2. See the "Employee Calendar" for speakers, topics, and details. Hope to see you there.

Select Benefits

Continued from first page
ends, whichever occurs first.

Under federal law, amounts remaining in a reimbursement account at the end of the Plan year, against which no eligible expenses were claimed can not be returned to the employee.

Any questions should be addressed to: Adele Feierstein (endowed) at Employee Benefits, University Personnel Services, 130 Day Hall, Ithaca, NY 14853, (607) 256-7509, or Phyllis Allen (statutory) at the Statutory Colleges Finance and Business Office, B-22 Mann Library, Ithaca, NY 14853, (607) 256-4455 between 8 a.m. and 4:30 p.m.



CREEPING

by Leona M. House

In the night it came, silently creeping. Fog, covering our little town in a shroud of thick wetness.

Unable to sleep, I sat in my chair looking out in the street watching this phenomenon of nature change the shapes of shrubs and bushes into primeval beasts. Giant dinosaurs 18 feet high lumbered up and down main street roaring their disapproval of the hot sticky night.

Mute I watched this primeval play taking place as huge snakes slithered down from the neighbors' trees to join the beasts in their parade. Through the continuous swamp steam and mist raising from the ground encouraged giant mosquitoes from the bogs to take wing, filling the air with a deafening hum of their wings.

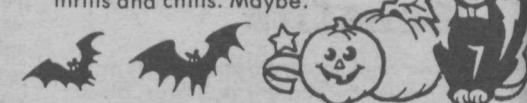
Huge slimy one-eyed creatures oozed

from the ground. Seeing the dinosaurs the creatures melted back into the ground to resurface in a safer area. These one-eyed slime balls are a favorite food of the 18 foot high beasts.

Awe-stricken I watched as my purple smoke tree began to move ever so slightly taking an ominous form. It crept to the procession slinking along to devour anything in its path. Errie noises permeated the thick sticky night, leaving me with a cold chill and utter dread of monstrous things still unseen. Huge jelly fish and giant octopus making suction cup noises on the pavement, enormous walking whales and tree sized shrimp added to the clamorous scene.

My imagination raced on and on to fill in blank scenes during this fog filled night in my little town.

Morn sun rose to melt the giants of the creeping, and return to normal the trees, shrubs and me. Perhaps tonight the creeping will return to set another scene of thrills and chills. Maybe.



Applebutter

by Michael Romano

Apples, which are found throughout the world and thought to have been first cultivated during the stone age, are probably the most popular of all fruits. Their appeal is most likely due to the folklore surrounding them in addition to the thousands of varieties we now have. Their shape and variegated colors - reds to green to stripes - have made them the artist's favorite subject. Loaded with vitamins such as B and C and minerals such as calcium, iron and potassium, flavors range from juicy sweetness to a sharp tartness, textures range from soft and mealy to crisp and firm.

All this is nice to know now that October is here and apples are in abundant supply. There are many varieties to choose from; Jonathans, Winesaps, Cortlands, Granny Smiths, MacIntosh, Rhode Island Greenings, Red and Golden Delicious, Baldwin, Northern Spy, Rome Beauties, Matsu, and Pippins to name just a few.

This is the time then to make and put up apple pies, applesauce, dried apple slices, apple jelly but, above all, applebutter. I am addicted to applebutter and have been since I tasted it many years ago. Each year as the fall season comes upon us, out comes the kettle, the pint size mason jars and other ingredients that are needed. I pick a weekend when my family is out of the house and then the work begins - the paring, the slicing, the cooking, the tasting and then, finally, when all is ready, the canning. The work is long but the results are terrific. What can be better than having a slice of homemade, toasted wheat bread coated with an abundance of spicy applebutter? Truly the gods would envy you.

Here then is the recipe which I have been using for many, many years. It was given to me by a Mennonite family I knew in Pennsylvania. Finally, you should be aware that different types of apples will give a different taste to the butter. Experiments with at least two different varieties, say a tart and a semi-sweet; I have used Winesap, McIntosh or Jonathan on many occasions with su-

perb results. In any case, whatever types you use you will be well rewarded.

Oh yes, lest I forget, there was a Johnny Appleseed and he did spread apples throughout the country. His real name was Johathan Chapman.

Applebutter

8 pounds apples

2 1/2 cups brown sugar

1/2 teaspoon salt

1/2 teaspoon ground cloves

1/2 teaspoon allspice

2 teaspoons cinnamon

1/4 teaspoon nutmeg

3 quarts apple cider (Do not use pasteurized apple juice, the results will be quite different)

Put the apple cider in a stainless steel kettle and reduce to about one-half. Core, peel, and slice each apple into quarters, then into eighths. Add to the reduced cider and cook over low heat until the apples are tender. Mash down on them from time to time to help break them up. Stir every few minutes to prevent the mixture from sticking. When the apples are cooked, (the time will vary depending upon the apples but one hour is average) add the spices or, if you prefer, force the mixture through a fine sieve and return to the kettle. Add the brown sugar, salt, ground cloves, allspice, nutmeg and cinnamon. Continue to cook over low heat until the mixture thickens. Again time will vary depending on the apples used; however, this step should take anywhere from one to two hours. You must be the judge when it comes to the applebutter consistency. The longer you cook the mixture, the thicker it will become. At this stage you must stir constantly.

When the applebutter is ready to your taste, pack in hot, sterile, pint mason jars. They will selfseal from the heat. It is not necessary to process but you may do so if you wish, giving the jars a 15 minute water bath in boiling water.

This recipe will make approximately 4 to 6 pints.

Employee Day

Some additional views by Fleet Morse



The eleventh annual Employee Day on October 5th was quite a happening. But it didn't "just" happen. A lot of people got involved to make it happen. Each one deserves a very special thank you from the committee. The committee also is thanked and congratulated for another fantastic employee day. The committee met at least once a month for the last six months. Members are Dominic Versage, Donna Updike, Margaret Seacord, Esther Roe, Mary Beth Swan, Linda English Rossi, Ted Pless, Dan Murphy, Ann Pendleton, Peg Landau, Jim Kuehl, Pete Mariano, Mark Goldberg, Steve Haner, Lin Hurd, Janis Cummings and George Peter.

Volunteers arrived at 8:00 a.m. Saturday morning to help set up displays and to lay out the floor plan. Pete Mariano lined up the wrestling team to wrestle tables and chairs into place. Steve Haner arranged for custodians to be on board. Margaret Seacord and Esther Roe engineered the recruiting and scheduling of volunteers. Raylene Gardner coordinated Fall-in activities and purchased the "bug boxes" for give-away gifts to the children. Donna Updike, Ann Pendleton and Peg Landau coordinated the display booth program. Jim Kuehl and Mark Goldberg handled publicity. Public safety and life safety services representatives were involved in several areas and Peg Landau did just about everything.

People who volunteered to host guests from the Medical College were Carl and Ann Schmidt, Mary Sharpteen, Ann and Dick Pendleton, Marty Stiles and Peg Landau, Margaret Oaksford, Marge Swiercz and Gloria and George Peter.

We counted 77 volunteers who helped serve the meal and set up. This included President Rhodes and Rosa Rhodes, Provost Barker, Senior Vice President Herbster and retirees Ann and Dick Pendleton. We would like to list all the names but there would be no room left for other news.

On behalf of the 1,999 people who bought BBQ tickets and the 11,000 people who attended the football game on employee day, we say thank you to the volunteers who made it such a pleasant happening.



LEADERSHIP LEADS Seven Suggestions for Better Communication

1. Share your information the first thing in the morning when employees are fresh -- before they become involved with other tasks.

2. Get your new information to them quickly. Share promptly what you know, even if the final word hasn't been said on the topic at hand; your employees will then believe that you have their best interests at

heart.

3. Focus whenever possible on what the topic means personally to employees. "What's in it for me?" is the key concern of most people.

4. Don't overkill a subject. Keep your presentation concise, break it down into segments you can handle... say 15 to 30 minutes at a time.

5. Hit the main points first; the detail in

support of your key ideas can come out in the discussion to follow.

6. After your presentation and discussion, follow up back on the job with further information or clarification.

7. Get out from behind your desk and talk to people. And not about "official business" only. There's more to your work relationship than just that. Occasionally ask them to talk with you about whatever is on their minds.

FOCUS

by Joan Heffernan

This is a busy and critical time of change for the Employee Assembly. Three members have recently resigned their seats on the assembly, creating vacancies which need to be filled as soon as possible.

The Employee Assembly is searching for enthusiastic employees interested in contributing, learning, questioning, and broadening their scope, while becoming involved in the larger Cornell community. If this challenge appeals to you, and you are interested in being a prospective assembly member, please contact the Office of the Assemblies in 165 Day Hall, 6-3715.

As a member of the Employee Assembly for the past six months, I have had an opportunity to meet and work with a number of Cornell employees from divergent areas, including Geneva station. In meetings with various university administrators, Employee Assembly members have listened to their comments on recent developments, and have been able to raise questions on a number of pertinent topics. I have heard the points of view of faculty and student leaders in other groups, such as University assembly, which I have attended. I was fortunate to be appointed to the university personnel policy committee, which involves the issues of greatest interest to me. This committee, co-chaired by another member of the Employee Assembly, is small but enthusiastic and is currently choosing the issues with which it will deal. Through my involvement with the Employee Assembly, I have learned a great deal about the manner in which the university operates, the issues which must be addressed, and the needs of employees. I have thoroughly enjoyed my first six months on the assembly and look forward to continued work with other Employee Assembly members. Please consider joining us!

In addition to the personnel policy committee, the other standing committees -- health and safety, communications, internal operations, and extramural education are also completing membership, convening, and electing chairs. If you have a specific interest in one or more of these committees, or are generally interested in serving on a committee, please call the assemblies office.

At the most recent meeting on October 16, the Employee Assembly elected a vice chair, Scott Robinson. He joins chairman Mick Ellis and secretary Bill Genter on the executive committee. Vincent Fuchs and Joan Heffernan were appointed representatives of the faculty council of representatives; Bill Genter will be the representative to student assembly.

The Employee Assembly is currently discussing possible changes in its charter, to cover situations which were not previously addressed. Also on the agenda have been discussion of the smoking policy and the inclement weather policy. Although the assembly normally does not serve as a forum for individual employee problems, we were involved with a safety officer's frustrations concerning the condition of the traffic booths on campus. Transportation director Bill Wendt assured us that there is money in the proposed budget to purchase all new booths within the next two years.

The Employee Assembly is looking into the possibility of having a listing of employee-relevant organizations identified at new employee orientation. The assembly members want all endowed employees to be aware that it is possible to meet with a representative from Aetna, the provider of the university's health care insurance plan, on a monthly basis. To make an appointment with the representative, contact Pat Cooke at personnel.



Employee Calendar

Events of Particular Interest to Cornell Employees

Sunday, November 3. Finger Lakes Railfair sponsored by the Cornell Railroad Historical Society and located at the Ithaca High School, 11:00 a.m. to 5:00 p.m. (Donation: family \$3, adult \$1.50, child 6-12, \$.75). The show includes several large operating model layouts, model displays, railroad artifacts, collectibles, slide and video presentations as well as flea market tables and other railroad-oriented displays. For further information, contact Tom Trenckensky, 6-5352, evenings 844-4767.

Wednesday, November 6. Employee Assembly meeting, held in Roberts Hall, room B-8, at 12:15. All employees welcome.

Wednesday, November 13. Brown Bag Luncheon, "The Legal Aid Clinic and the Cornell Community," Legal Aid Clinic, presenter, noon, Martha Van Rensselaer Hall, room NG2. Sponsored by the employee-elected trustee and the Employee Assembly.

Wednesday, November 20. Employee Assembly meeting, held in Roberts Hall, room B-8, at 12:15. All employees welcome.

Saturday, December 7. Annual CRC holiday dinner/dance. All CRC members may attend at no cost. The event will be held at TC3 in Dryden. Call the CRC office for more information 6-7565.

Wednesday, December 11. Brown Bag Luncheon, "Cornell's Super-Computer Projects," Kenneth Wilson, James A. Weeks professor of physical science, noon, Martha Van Rensselaer Hall, room NG-2. Sponsored by the employee-elected trustee and the Employee Assembly.

Saturday, December 14. CRC children's holiday party. The CRC NYC trip is also planned for the same day. Call the CRC office for more information, 6-7565.

Tuesday, December 31. CRC New Year's Eve bowling party at Helen Newman lanes. Call Peggy Beach at 6-7565 for more information.

January 8-22. CRC Hawaii '86 trip. Call the CRC office at 6-7565 for more information.

Submit listings for employee calendar to editor, University Personnel Services, 130 Day Hall.

Editorial Board

Donna Updike	John Bender
Mary Jamison	Mary Ellen Jones
George Peter	Anna Moratz
Margaret Seacord	Dominic Versage
Catherine Fitzgerald	Leona House
	Jim Kuehl
	Carol Thurnheer

UNIVERSITY PERSONNEL LIAISON
Laurie Roberts
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Dedicated Service Award

Many individuals at Cornell University contribute to the success of their department and the University through the use of talents that may not be recognized in their official job description.

Do you know someone who takes particular pride in their work, who exhibits willingness and cheerfulness in the dispatch of their duties, who provides service beyond the call of duty, and who makes life at Cornell a rewarding experience for those with whom they come in contact? Networking is looking for special people you feel should be recognized for their special contribution. The Dedicated Service Award is open to any Cornell employee, regardless of rank.

Nominate someone today by filling in this form and please note that you should accompany your ballot with a paragraph explaining why you wish to nominate this person and a list of signatures from other department members supporting your candidate. If your candidate is selected, we will be in touch with you to supply additional information.

For the Dedicated Service Award

I NOMINATE

Employee's name: _____ Phone: _____

Department: _____

Working Address/Phone #: _____

Person submitting nomination: _____ Phone: _____

Dept./Address: _____

Mail to: Carol Thurnheer, 216 Plant Science Bldg.



Unclassified Ads

Please submit all Unclassified Ads to Carol A. Thurnheer, Plant Biology Department, Plant Science Bldg. NO PHONE CALLS PLEASE!! The deadline for the November 14th issue is November 4th. 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 graduate students.

FOR SALE: Whirlpool electric dryer, older model but runs perfectly and in very good condition. \$50. Sheila, 6-3384, 869-5574 after 6pm.

FOR SALE: Antiques: high-chair, Oliver typewriter, Electric Victor portable Steropticon, spinning wheel, hickory & Ash skis, ice skates, Flexible Flyer sled. 257-7047.

FOR SALE: Atlanta Franklin stove, very good condition. Fire screen and cooking grill. \$75. 6-5469, Avery Zimmerman.

FOR SALE: Plymouth Volare, 1976. Very good condition, automatic, 4-door, mechanically sound. 838-3380 eves.

FOR SALE: Mazda GLC. 1977. \$900 OBO. 97,000 miles, new muffler, choke, horn, newly painted, very little rust, very good running condition, needs some work. 6-3318, 5pm.

FOR SALE: Twin bed (mattress & box springs) with steel frame. Sealy mattress (firm). NEW. \$150 OBO. Carol 6-5431, or 533-4324 eves.

FOR SALE: General Electric washer (very good condition). \$50. Kevin Sharp 6-4951.

FOR SALE: 170 Chevelle SS, 27 engine, 4-speed, PS, PB, PW, asking \$2,000. Darcy (607)659-7032 eves, or Jill 6-3131 days.

FOR SALE: Dwarf rabbits, one black, one gray, \$10 OBO. 387-6534 anytime.

FOR SALE: 1983 Chevy S-10 pickup. Tahoe package, deluxe interior, low mileage. Barb 6-4652 days, 277-0270 eves.

FOR SALE: 1978 VW Rabbit diesel. 45 mpg! New engine with 10,000 miles, front-wheel drive, am-fm cassette. \$1,600. 272-6529.

FOR SALE: Beginning to think about the holidays? Treat the folks to the latest in traditional jazz. Peggy Haine & the Lowdown Alligator Jass Band's new album. Available at the Campus Store, Discount Records, and Rebob Records.

FOR SALE: Round oak table with 3 leaves and 4 chairs, \$350, wood desk, \$110. 533-7879 after 5 or weekends.

FOR SALE: 1980 Fiat X-19. Low mileage, 5-speed, am-fm stereo cassette. 272-9105 or 273-3186.

FOR SALE: 1978 Chrysler LeBaron 4-door, 72,000 miles, 5 Good Year bias ply summer tires, practically new. 1973 Chevrolet 350 V-8 engine. Sears Die-Hard battery. 272-2997.

FOR SALE: 1982 Yamaha 650 Maxim motorcycle. Under 2,500 miles. Exc. cond. \$1,600. Red. 277-0757, 272-3190, 6-7316.

FOR SALE: 15' Fiberglass Tri-hull boat with 55 HP motor and trailer. \$1,500. 277-0757, 272-3190, 6-7316.

FOR SALE: Seasoned firewood. 273-0940 after 4:30.

FOR SALE: 2 snow tires, Firestone Town & Country radials, P205/72R14 M/S Mounted on rims, spin bal. Very low mileage, excl. cond. \$110. 257-3773, 8-10pm.

FOR SALE: Microcomputer system -- Morrow MD3 CP/M computer, dual floppies, WordStar, SuperCalc, spelling corrector, data base, more software. Letter quality printer, ribbons, disks, disk box, etc. \$1,300 complete. 6-7343 days, 257-0327 eves.

FOR SALE: Upright piano (1910), oak, pros, appraised, \$250. 6-5454, ext. 2878 (Marianne), 272-4966 eves.

FOR SALE: 1981 Mazda GLC, hatchback,

55,000 miles, no rust. \$3,000. 6-5454, ext. 2878 (Marianne), 272-4966 eves.

FOR SALE: IBM compatible computer; monitor and software. Runs PC-DOS 1.0, 2.0, 3.0, CPM-80 and CPM-86. Includes: system unit with 2 hgt D.S.D.D. disk drives, 256K RAM, color graphics, Z-80 coprocessor, Taxxart.

FOR SALE: an amber monitor, parallel and serial ports, Wordstar, Perfect Writer, Perfect Speller, Perfect Calc, Supervalc 3, GW Basic, Candor 1 Database, C-Term communications, MS DOS 2.0 and More. \$1,800. Dan Reynolds 12-1 M-F, 273-8102, 594-2825 eves.

FOR SALE: 1974 GMC Jeep, righthand drive; \$800. 272-2954 eves.

FOR SALE: 1968 VW from California. \$1,000. 272-2954 eves.

FOR SALE: 1981 El Camino, chevy classic. Lacquer black mirror finish, 2 door, burgundy interior. V-8, automatic, exc. on gas. Joe 607-642-8713 after 5.

FOR SALE: Garage door, 7 x 9, wood Clapay with all hardware, \$75. 6-6240 days, 257-1740 eves.

FOR SALE: Sofa and chair, exc. cond., early American style, exposed hardwood accents, high back, \$300, recliner chair, black, \$50; Wards micro-wave oven, \$150, combination storm/screen door, pre-hung white, 36 x 80, \$35. Elin Saxby, 387-5896, keep trying.

FOR SALE: 2 Subaru wheels with mounted summer tires. 257-0173.

FOR SALE: pair of interior french doors, and interior doors. 272-2954 eves, Hope at

Please—No Telephone Calls

6-5069 8-9am.

FOR SALE: Printer for Commodore computer. Ethel Vatter, 272-2749.

WANTED: Used small pickup truck with good mpg. 4WD would be nice. Little rust OK, but not falling apart or filled with bondo. Must be in excellent mechanical condition. Price must be reasonable. Linda 6-4999, 277-5178.

WANTED TO RENT: Space for local karate club to practice; Ithaca area, min. 1200 sq ft., 2-4 nights/week, 1-2 hrs/night. Sarah Springer, 6-4824 (days), 277-0845 (nights) or Cassandra George, 273-8592.

FOR RENT/SUBLET: Nice and quiet one-bedroom apartment in E. Yates Street (Fall Creek) for rent from 1/1/86 thru 31 May, with possibility of lease renewal hereafter. \$325 a month incl. water, excl. other utilities. Danielle 6-5483, 273-1175.

FOR RENT: 1 bedroom apartment (Freeville area). \$215/month plus utilities. On TOMTRAN bus route. 844-9132 days, or 844-9745 after 5pm.

FOR RENT: Sabbatic house, 1820 Slaterville Road, furnished 4 bedroom, 2 bath, study, laundry, garage. Fireplace, woodstove. Great valley view. No pets, smokers please. Lease from Dec. 15 thru mid-summer. \$700 mo. utilities. 277-3179.

ROOMMATE WANTED: Nonsmoking grad or professional to share large, clean, 3 bedroom apartment with same on West Hill. Nice setting, beautiful view, woodstove. Available now. \$150 month includes heat. Sue 6-3706 days, 273-2001 eves.

Sweet News

by Janis Talbot, Health Educator

There is no doubt that Americans have a sweet tooth. Over the last sixty years, sugar consumption in this country has grown tremendously; in 1979, the annual consumption for the average American was about 130 pounds of sugar. At one time, sugar was used primarily as a flavoring, like salt or cinnamon in cakes and cookies; today, it is often used as one of the main ingredients in processed foods and beverages. With this dramatic increase in consumption, concern has grown about the health impact of sugar.

In a recent publication entitled "Nutrition and Your Health," the U.S. Department of Health and Human Services reports that the primary health hazard from excess sugar consumption is tooth decay. Cavities result when particles of sugar combine with bacteria in the mouth to form dental plaque. Plaque eats away at the tooth enamel, leading to the formation of dental cavities.

The probability of tooth decay has been found to increase with the amount of sugar consumed, the frequency of consumption, and the length of time sugared foods are in contact with teeth. It may therefore be less harmful to add sugar to your morning coffee than to drink soda all day long or to frequently eat sticky foods such as raisins, dates, honey, or gumdrops. In order to keep teeth healthy, sugar consumption must be reduced in conjunction with careful daily dental hygiene and other preventive dentistry.

Contrary to popular belief, sugar alone does not cause diabetes. Diabetes is an inherited disorder that develops in persons who have this genetic predisposition. Obesity may well be considered a major factor for those who develop diabetes; an obese person is usually advised to reduce weight along with a change in diet that restricts foods high in sugar content.

Some people reduce their intake of white-refined sugar by substituting brown sugar, honey, or maple syrup in its place in the belief that these substitutions are better because they are natural. On the contrary, sugar and honey are all but chemically indistinguishable; after digestion they are identical. Honey and maple syrups do con-

tain a trace of important nutrients. However, one tablespoon of honey supplies only 1% of the Recommended Daily Allowance (RDA) for calcium and phosphorus and about .5% of the RDA for iron. Tablespoon for tablespoon, sugar actually contains less kilo-calories than honey, 46 k-cal compared to 61 k-cal. Since honey is sweeter than sugar, one might use less and therefore consume fewer calories.

While research into the full impact sugar has upon human nutrition continues, it would seem wise for now to follow the dietary recommendation to avoid too much sugar. Here are a few suggestions that may help you reduce sugar consumption:

1. Read the ingredients label on food for hidden sugars such as sucrose, fructose, lactose, maltose, or corn sweeteners. Avoid buying foods that list sugar as the first, second, or third ingredient, as this indicates that they contain a large amount of sugar.

2. Use less of all sugars, including white sugar, brown sugar, honey, and syrups.

3. Select fresh fruits or canned fruits without sugar or light syrup rather than heavy syrup to satisfy your sweet tooth. Fruit also provides fiber and other nutrients essential to your diet.

4. Avoid between meal snacks of sweet or sticky foods. Replace with foods such as nuts, fresh fruit, raw vegetables, and milk.

5. Brush or floss teeth or rinse your mouth after meals or snacks.

6. Remember: How often you eat sugar is as important as how much you eat.

Networking

Deadlines

November 5 (November 14 issue)

November 26 (December 5 issue)

December 9 (December 19 issue)

1986 Deadlines

January 13 for January 23

January 27 for February 6

February 10 for February 20

February 24 for March 6

March 10 for March 20

March 24 for April 3

April 7 for April 17

April 21 for May 1

May 5 for May 15

May 19 for May 29

June 2 for June 12

June 16 for June 26

June 30 for July 10

July 14 for July 24

July 28 for August 7

August 11 for August 21