

# Cornell Chronicle

## Networking

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## Infertility Unexpected Byproduct of Women's Revolution

By SUSAN S. LANG

The women's revolution has given many American women unprecedented options and opportunities in their lives. For millions, however, there's an unexpected fallout from the revolution: infertility.

"The women's movement was supposed to give women control over their lives," said Constance Shapiro, associate professor of human service studies at Cornell University. She is an expert on human sexuality, particularly adolescent pregnancy prevention and adult infertility.

Shapiro said, "For many women and their partners, though, that control has resulted ironically and indirectly in infertility, which in a way is the ultimate loss of control because it affects one's body and destiny."

The silent and invisible epidemic of infertility is raging in the nation as never before. More than one in every six couples, or about 10 million people, experience infertility, defined as the inability to conceive after one year of trying, or not being able to carry a pregnancy to term.

Couples in their thirties who have put off having children while establishing their careers suffer from a much higher infertility rate than the nation's average because the factors that contribute to infertility increase with age.

The medical causes of infertility are numerous, ranging from blocked Fallopian tubes, pelvic inflammatory disease, ovulation problems, and endometriosis (uterine tissue that causes scarring and adhesions or

cysts in the abdominal cavity) in women, to low sperm counts, poor sperm motility, and blocked ductal tract in the epididymis in men, and antibody incompatibility in couples.

The sociological roots of the infertility epidemic, however, are an indirect result of the new freedoms open to women.

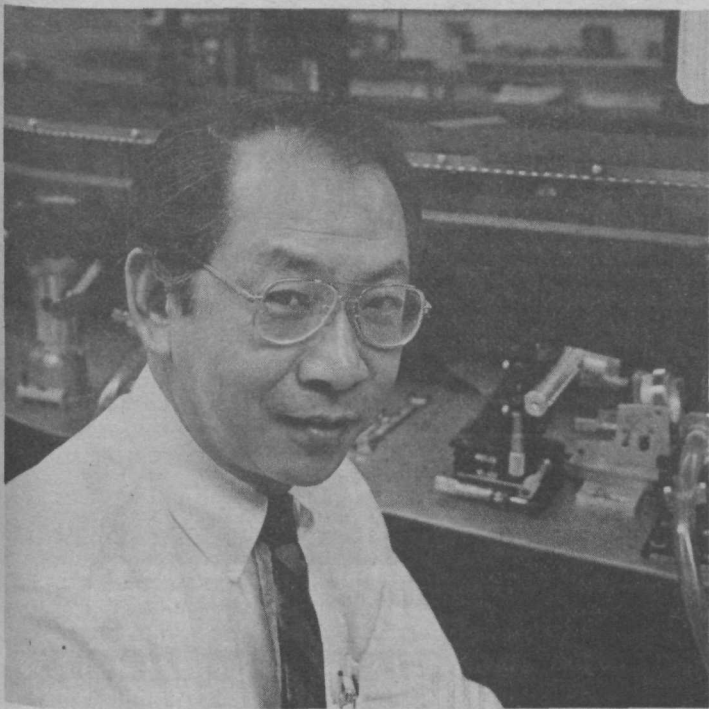
"Birth control and abortion are readily available, giving couples more control over when to have children. More women than ever are pursuing careers, thereby delaying childbearing," Shapiro says. "People are having sex earlier and with more partners, resulting in unprecedented rates of sexually transmitted diseases resulting in scarring of reproductive organs."

High divorce and remarriage rates are

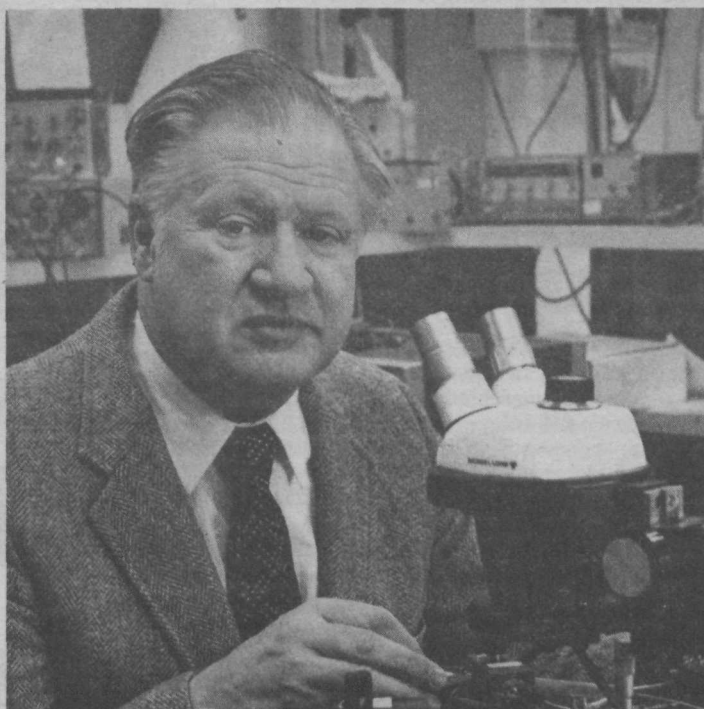
leading to more attempted reversals of tubal ligations and vasectomies. Also, women and men whose mothers were on DES (diethylstilbestrol) and Vietnam vets who were exposed to the defoliant known as Agent Orange are encountering some infertility problems.

In the past, many couples who found they could not have children turned to adoption to complete their families. These days, however, more couples "come out of the closet" and seek medical intervention that was largely unavailable in years past. Of those who do get specialized medical care for their infertility problems, 50 percent respond to treatment and conceive, compared with the 5 percent who would eventually get pregnant without

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New Cornell members of the National Academy of Engineering are C. L. Tang (left) and Lester



## Birthday 100 For Sigma Xi Will Be Here

Returning to its 1886 birthplace, the scientific research society Sigma Xi will mark its centennial April 11 and 12 here with a public symposium on "The Promise of Science."

The organization was founded by Cornell engineering students and instructors to recognize excellence in scientific research that was overlooked by scholarly honorary societies of the time. Sigma Xi now has more than 500 chapters in the United States, Canada, and other nations.

Several hundred of the organization's 120,000 members are expected for the program that begins with a talk on "The Art of Science with Computers" by IBM Corp. chief scientist Lewis Branscomb, and winds up with Cornell's Thomas Eisner speaking on "Natural History: Trivial Pursuit or Science?"

The multi-media presentation by Branscomb, who is also president of Sigma Xi, is scheduled for 8 p.m. Friday, April 11, in Bailey Hall.

Branscomb will conduct a pictorial tour from the outermost galaxies to the innermost atoms as he describes new computing and graphics techniques for the complex problems of science.

Thomas Eisner, the Jacob Gould Schurman Professor of Biology at Cornell whose studies of chemical ecology have been featured in PBS television specials, will receive Sigma Xi's 1986 William Procter Prize for Scientific Achievement. He will deliver the Procter Prize Address — also a public, illustrated talk — at 8 p.m. Saturday, April 12.

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## Engineering Academy Names Two Here

If the National Academy of Engineering is the hall of fame for that profession, Cornell's newest elected members are athletes of the microworld, striving to reduce the time things take to happen.

The academy this month named Lester F. Eastman, the John LaPorte Given Professor of Engineering, and C. L. Tang, the Spencer T. Olin Professor of Engineering, among 79 new members. A private organization established in 1964, the academy honors those who have made "important contributions to engineering theory and practice."

Eastman, a member of the electrical engineering faculty since 1957, and Tang, who joined in 1964, are also pioneers and inventors, respectively, in compound semiconductors and lasers.

Above all, though, these electronic athletes are coaches. Their places in the record books secure, they are training the next generation.

High speed is what they have in common. Moving signals ever more rapidly through semiconductor materials — Eastman's game — increases the capacity of computers and

communications satellites. Briefer pulses of laser light and new optical materials — Tang's speciality — are essential to the study of rapidly changing materials through laser techniques, as well as to communications.

Eastman can move electric signals through semiconductors — gallium arsenide, in particular — in a few picoseconds. That's a few trillionths of a second, faster than most of today's electronic systems can handle. Tang deals in even smaller bits of time. His pulses of laser light are measured in femtoseconds,

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## Geneva Site of National Clonal Repository

The National Clonal Germplasm Repository, a living library of apple and grape genes for plant breeders and biotechnologists, is to be dedicated today at the New York State Agricultural Experiment Station in Geneva.

Dedication of the \$1 million facility signals a long-term commitment by the station and the U.S. Department of Agriculture to improving horticultural crops and continuing advances in science through the preservation of germplasm, according to the repository's curator, Philip Forsline.

Leaders from industry, government, and education are expected to be on hand for the dedication by state and federal officials.

Germplasm, the reproductive cells that carry plants' hereditary traits, will be maintained in field orchards and vineyards, greenhouses and screenhouses. The basic mission of the repository will be to establish a collection of clonally propagated grapes and apples from national and international sources.

Researchers using the repository will evaluate germplasm to determine identity, true-to-type, insect and disease resistance and other characteristics. The ultimate aim of the program, according to the curator, is to provide disease-free germplasm for breeding and other research and development programs.

The repository covers 8,000 square feet, including greenhouses and screenhouses, a growth chamber room, laboratories and office space. A portion of the office space is shared with the Northeast Regional Plant Introduction Station, another of the USDA's germplasm resource programs.

In addition, a long-term lease with the station guarantees the repository use of 50 acres of land for maintaining — in a living state — its collection of apples and grapes.

The Geneva repository is the sole apple collection in the national germplasm program. Contained in the Geneva site will be a portion of the national grape collection, mainly American-type grapes. The USDA's European-type grape collection will be located in Davis, CA.

Maintaining a complete, viable collection of clonally propagated plants is vital to the continuation of fruit breeding improvements, Forsline said. Although many state experiment stations have collections, they have lacked consistent funding, resulting in the loss of valuable germplasm, he noted.

Today's dedication marks the third of eight fruit repositories to be established as part of the national plant germplasm system. They are sponsored by the USDA's Agricul-

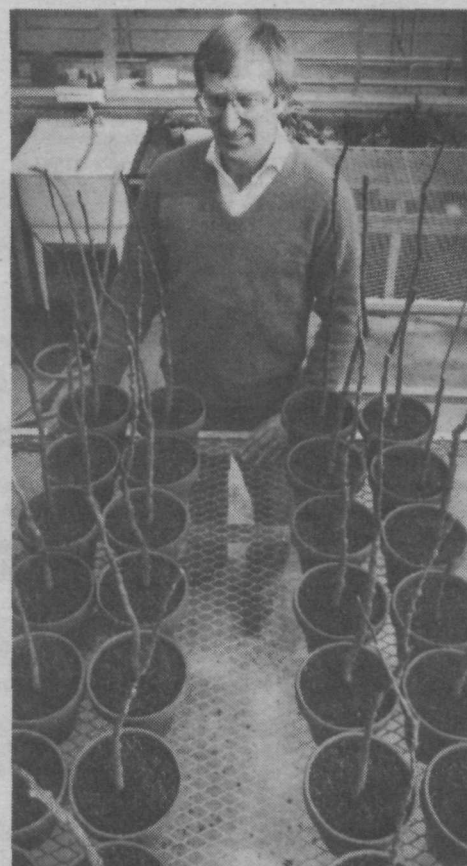
tural Research Service and the Cooperative State Research Service's state experiment stations.

Staff of the Geneva repository will work with station researchers to carry out the facility's goals, which are closely related to those of the station. As part of the College of Agriculture and Life Sciences, the Geneva station is charged with promoting, through scientific investigations, New York State's fruit and vegetable processing industry.

The reputation and research programs of some 65 faculty members was an important consideration in selecting the repository site, according to Forsline. The core of scientists involved in apple and grape research programs at the station are well known internationally, he said, and will provide advice on what varieties should be maintained and how they should be preserved.

Nearly 1,000 varieties of apples have been maintained in the orchards of the Geneva campus for use as parent material in breeding programs. Vineyards with hundreds of varieties of grapes also are part of the 700 acres of farmland utilized for experiments at the station.

During its 104-year history, the Geneva station has introduced 222 new varieties of fruit, including 59 varieties of apples and 49 varieties of grapes.



Philip Forsline, curator, at the National Clonal Germplasm Repository.



# Expect Legislators to Okay Statutory Pay Increases

New York State legislators are expected to approve by April 1 a 5 percent increase in the salary pool for merit-based raises for faculty and professional staff in Cornell's state units, according to Stephen Philip Johnson, the university's director of government affairs.

The increase, the first since July 1984, would be retroactive to Sept. 12, 1985, for 12-month employees and to Nov. 7, 1985, for nine-month employees. An additional 1 percent hike in the salary pool to level out inequities is included in the proposal before the Assembly, Johnson said.

On Monday, the Senate passed the salary increase bill. After the measure is approved by both houses, SUNY trustees and director of the budget will be asked to approve a salary program.

Meanwhile, lawmakers are discussing the 1986-87 Executive Budget proposal by Gov. Mario M. Cuomo that includes an \$87.6 million appropriation for the state units at Cornell, an increase of \$592,000, or 0.7 percent.

The state units at Cornell are the colleges of Agriculture and Life Sciences, Human Ecology, and Veterinary Medicine, the School of Industrial and Labor Relations, and the Agricultural Experiment Station at Geneva.

Cornell requested \$93.1 million in state support, \$5.5 million more than provided in the proposed Executive Budget. Items such as research projects funded by state agencies are appropriated separately.

Renovations to Martha Van Rensselaer Hall would come to a standstill unless lawmakers increase capital appropriations in the proposed Executive Budget. In addition, facility improvements at the College of Veterinary Medicine and Mann and Catherwood libraries would be put on hold unless lawmakers revise the borrowing limit imposed on SUNY in 1976.

"We expect the legislature to add some of the items that the Division of the Budget dropped," Johnson said. "We are pleased that SUNY supported our budget request; it did not eliminate any items. The Division of the Budget reduced our request by \$5.5 million, and the governor accepted that recommendation."

"Chances are reasonably good that the legislature will increase the state appropriation to Cornell," Johnson said. "We're also hopeful that the limit on borrowing for capital projects can be lifted."

"But," he added, "we're never sure what will happen until after a budget is adopted."

Among the items for which Cornell is seeking legislative support are:

- \$500,000 to support continuation of an integrated pest management program in the College of Agriculture and Life Sciences. Started as a pilot program with federal funds, the program could reduce soil and groundwater pollution by coordinating the

application of pesticides.

- \$350,000 for a Cornell Cooperative Extension program that will provide financial management and other information for farm families through trained counselors and a statewide, toll-free phone number.

- \$304,500 to provide additional faculty positions in core programs at the College of Veterinary Medicine, including dental and equine medicine, soft tissue surgery, and medical records.

- \$277,000 for library automation.

- \$200,000 to support the Programs for Employee Workplace Systems (PEWS) in the School of Industrial and Labor Relations. The three-year pilot program, implemented this year with state funds, identifies industries at risk of closing and helps build cooperative employer-employee relationships that might keep the plants open.

- An increase in the appropriation to the State University Capital Construction Fund, which would receive only 18 percent of its \$5 million request for building rehabilitation, under the proposed Executive Budget.

"If allowed to stand by the legislature, this would effectively stall the renovation work in the College of Human Ecology and a rehabilitation of the electrical system throughout the statutory units," Johnson said.

Cornell officials also plan to support legislation to revise the \$3 billion limit on SUNY's borrowing capacity. About \$2.7 billion has been borrowed, and another \$800 million in projects, including several at Cornell, have been identified as priorities by SUNY trustees.

"Many senators and assemblymen are aware of the problem and support a cap that limits outstanding indebtedness, rather than total borrowing," Johnson said. "Unlike other state agencies, SUNY tuitions are used to pay the indebtedness of facilities, thus the state can be assured of an adequate income stream to cover the costs of the buildings. A revision in the definition of the cap would permit SUNY units to address a number of critical facilities needs."

If the cap is not revised, planned improvements to the vet college and Mann and Catherwood libraries could not be made, he added.

Also, Cornell officials, alumni, and students are asking legislators to increase funding for the state's Tuition Assistance Program (TAP), because of anticipated reductions in federal student aid. TAP provides more than \$6 million annually to Cornell graduate and undergraduate students.

In addition, Cornell officials are hoping to receive more than the \$332,000 allocated by the proposed Executive Budget for accessory instruction costs. Accessory instruction costs are the expenses incurred when students in state units take classes in private units and use facilities that are not directly supported by the state.

Baker Laboratory.

Earrings valued at \$750 were reported stolen from a room in North Campus No. 5 and 29 desk telephones, worth a total of \$1,160, were taken from the Clark Hall Loading Dock.

Five persons were referred to the Judicial Administrator on charges of trespass, criminal mischief, forgery, criminal mischief and harassment, and forgery.

Eileen B. Cole of 438 N. Tioga Street, was charged with driving while intoxicated.

Shawn E. Lucidi, of 201 College Avenue, is scheduled to appear in Ithaca City Court Friday for an adjourned hearing on second degree burglary charges. He was arrested by Public Safety Officers near Sage Hall Sunday night, March 16.



Badr Shenouda and his guide dog, Piper.

## Unleashed Dogs Cause Problems For Guide Dogs and Owners

By ELAINE MAIN

When Badr Shenouda walks across campus to class or a library, his 18-month-old golden retriever, Piper, is always by his side.

"We're becoming pretty good friends," Shenouda says. "He still doesn't know the route to my classes, though. Piper depends on me for some directions. If either of us are distracted, we both get lost."

Shenouda, a graduate student from Egypt, has been blind since an improper medication damaged his eyes ten years ago. Piper is his guide dog.

Some days, their trips around campus are made more difficult by dogs that are brought to campus and allowed to roam, free from the constraint of a leash. Once, several dogs harassed Piper, and Shenouda spent 20 minutes going in circles until the two became re-oriented.

"A guide dog is trained not to be an attack dog," says Kathleen Donovan of Cornell's Office of Equal Opportunity. "If someone steps on the dog's paw while it is in harness, it must not respond. It is a victim around a pack of dogs."

"While a guide dog is in a harness it is working. No one should pet, call, feed, or distract it in any way. Distractions could put the dog and its owner in danger."

The dog population on campus will probably increase as warmer weather arrives, Cornell officials predict. Rather than letting dogs run loose or unattended, though, dog owners should abide by local laws that require dogs to be on a leash, says Lt. Randall Hausner of Cornell Public Safety.

Possible injury to guide dogs and people and damage to property are not the only hazards of unattended dogs. Animals left tied outside campus buildings have become so tangled in their leashes that they couldn't move and were unable to get shelter from bad weather or to escape packs of dogs. On many occasions, barking has interfered with classes.

"It's not fair to the pet," says Hausner. "We don't have a dog problem; we have a people problem. Owners must act responsibly toward their dogs."

Local laws require owners to restrain dogs with collars or leashes and to prohibit their dogs from barking or howling excessively, fouling property, attacking other animals or vehicles, and intimidating people.

Dog owners can expect an expensive inconvenience if their dog is involved in a com-

plaint. The Tompkins County SPCA responds to complaints and takes dogs that are in violation of ordinances to the SPCA shelter at 1640 Hanshaw Road. There is a \$10 fee to retrieve the dog following a first offense, a \$20 fee following a second offense, and a \$30 fine following a third offense within a year.

If unclaimed immediately, overnight boarding fees are \$5 per day, and dogs must be claimed within five days. After that, the dog can be adopted or euthanized. If a dog is wearing a valid New York State license tag, the custody period is extended.

Also, owners in violation of leash laws are liable to court appearances and fines of up to \$25 or five days imprisonment.

"Some people are afraid of dogs," says Denise Littlejohn, manager of the local SPCA. "They shouldn't have to put up with animals running loose."

As for the rumor that a Cornell benefactor stipulated that dogs could run free on campus, "It's a myth," says William D. Gurowitz, vice president for campus affairs.

Elaine Main is assistant director of public information at Wartburg College, Waverly, Iowa. She is studying at Cornell this term.

## Sigma Xi

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in Statler Auditorium.

Other speakers in the science symposium, which continues from 1:30 to 5 p.m. Saturday, April 12, in Statler Auditorium, include:

- Charles Hess, dean of the College of Agriculture and Environmental Science, University of California at Davis, "Agricultural Research: Past Accomplishments and Future Directions;"

- Robert Barker, Cornell University provost, "Biotechnology: Principles, Promise and Practices;" and

- Sheldon Glashow, a 1954 Cornell graduate, Nobel laureate, and the Higgins Professor of Physics at Harvard University, "The Challenge of Elementary Particle Physics."

Among the centennial celebration activities beginning at 9 a.m. Saturday, April 12, in Statler Auditorium, will be addresses by Norman Ramsey, president of Phi Beta Kappa; Frank Rhodes, president of Cornell University; and Michael Sokal, professor of humanities at Worcester Polytechnic Institute, on the history of Sigma Xi.

## Barton Blotter

Two separate thefts of computer equipment valued at \$13,271 and of a \$7,500 car were among 16 thefts reported on campus, according to the morning reports of the Department of Public Safety for the period March 10 through 16.

Various pieces of IBM computer equipment valued at \$12,624 were reported taken from Phillips Hall. An external disk drive, mouse, and software valued at \$647 were reported stolen from Ives Hall. The car, a 1985 red Ford Escort, was reported taken from Parking Lot A.

Total losses in cash and thefts amounted to \$23,978. Six thefts were of cash, including \$580 taken from a wallet in a car in the Comstock Hall Parking Lot. Other cash thefts were of \$180 taken from a wallet in the Campus Store, \$60 stolen from a room in Stocking Hall, and \$33 taken from

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## Major Shift in Road Repair Programs Could Save Money, Put End to Potholes

By JOSEPH SCHWARTZ

The national epidemic of deteriorated streets, highways, and bridges is doomed to continue unless a major shift in the approach to highway maintenance occurs, a Cornell highway expert claims.

"The basic approach to road maintenance in this country is to fix roads when they are cracked and full of potholes or leave them alone when they are not," says Lynne H. Irwin, an associate professor of highway engineering in the College of Agriculture and Life Sciences. "The trouble is, the best time to repair a road occurs while its surface still looks smooth."

Advocating a major change in the philosophy of highway management, Irwin, who is also director of Cornell's Local Roads Program, argues that the job of road maintenance should be one of diagnosis and prevention, rather than reaction to problems after they crop up.

If this approach were taken, potential cost savings to taxpayers could amount to as much as \$100 billion per year, Irwin estimates. Such an approach also would prevent the widespread disrepair that characterizes the "decaying infrastructure" crisis of this decade.

Diagnosing road problems before they become apparent is more than wishful thinking, Irwin says. Technology for advanced road diagnosis has been around for several years, and many states such as Texas, California, Pennsylvania, Florida, and Idaho have begun adopting that technology into their road maintenance programs.

In an effort to improve those diagnostic techniques, Irwin is working with the U.S. Forest Service and the New York State Department of Transportation to develop a more reliable and efficient method of pinpointing the best time to repair a road.

When his research is completed in 1987, Irwin says that he can offer highway engineers not only an accurate method of pinpointing when a road should be repaired, but also a procedure that will instantly determine the types of repairs, the cost, and the best time to undertake repairs.

Irwin uses a special computer program and a falling weight deflectometer, a device that simulates the passage of a heavy truck. Several years ago, Irwin used the deflectometer to study ways to prevent potholes. His current work grew out of that earlier research.



"As these techniques are improved, road maintenance will become more efficient, and taxpayers will save money in the long run," Irwin says.

Irwin compares that concept to a home owner putting off repairing the roof. If the

roof is repaired at the optimum time, only the shingles must be replaced. However, if those repairs are put off past the optimum time, additional repairs such as replacement of soaked and rotted timbers and plaster will be necessary.

## Food Packaging Industry Moving Heavily to Plastics

By SUSAN S. LANG

Had Dustin Hoffman taken the "plastics" advice he was given in the motion picture "The Graduate," he would be making a fortune today in the food packaging business alone.

Plastic is revolutionizing how food is processed and packaged because its versatility opens up options for new products that are more convenient, more nutritious, and stay fresh longer — three top consumer demands, according to Joseph Hotchkiss, a food packaging scientist at Cornell. In addition, these items are cheaper to produce, weigh less, and therefore cost less to transport.

An array of new products that use plastic in one way or another will begin to spice up supermarket shelves in the coming months, Hotchkiss says. Here are some of the newcomers to keep an eye out for:

- non-perishable entrees, such as beef stew, lasagna, and noodles and beef, in "plastic cans;"
- an extended selection of stable, single-serving foods ranging from tropical juices to puddings and soups, all packaged in small, convenient brick-shaped boxes;
- brand-labeled, genetically engineered "veggie snacks" that will stay fresh longer than ever;
- higher quality and brand-name produce, meats, fish, and poultry that will look the same but spoil at much slower rates, thanks to mini-gaseous environments inside plastic wraps that slow down food's respiration and spoilage rate;
- pouched and prepared foods such as meat and seafood entrees, vegetable dishes, and fruit and potato salad that will be easy to

prepare and require no refrigeration;

- a whole range of old products, previously packaged in glass and plastic, marketed in jazzy new plastic containers.

"As the art and science of food technology advances, the two realms of food processing and food packaging are merging into one concept," says Hotchkiss, an assistant professor of food science in the College of Agriculture and Life Sciences.

Many of the innovations are made possible by recent technological advances that preserve foods and their nutrients without destroying flavor and texture as much as conventional methods do. Hand in hand with these innovations are relatively new packaging materials and processes that are influencing how and for how long food may be stored. They have technical names such as high barrier polyethylene plastic, aseptic packaging, modified atmospheres, and retort pouches.

New kinds of plastics, for example, are enabling food processors to put into plastic almost any product that previously was packaged in glass and metal. Already, some catsups and maple syrups are available in plastic. Consumers soon will be able to purchase a host of items such as soups, jelly, pickles, beer, baby food, tomato and spaghetti sauces, and even products like "canned" ham, beef stew, lasagna, and other prepared entrees in plastic containers.

Lighter yet stronger than glass, the new plastic containers are transparent and shatter-resistant and can be squeezed when desired. They are cheaper to ship because they're about one-third lighter; in most

cases, they're energy savers, too, requiring significantly less energy to produce.

In the meantime, aseptic packaging, the containers in which single-serving boxes of juice are now available, is expanding into new markets. These brick-shaped boxes can keep milk fresh without refrigeration for up to three months and juice for up to a year. They not only save bottling and refrigeration costs, but also are easier to ship and store, saving energy and valuable space, while preserving more nutrients and flavor than their canned counterparts.

In the near future, consumers can expect to see these so-called "paper bottles," made of laminated layers of paper, foil, and polyethylene, containing coffee, cream, tea, pudding, yogurt, and soup, among other items.

"One of the biggest changes that consumers will soon see, however, is genetically engineered vegetable snacks that will be brand labeled and stored in modified atmosphere packages," Hotchkiss predicts.

One product, for example, will be an improved celery that will be less stringy than current types and will be marketed as a snack. The product will have an extended shelf life, thanks to a modified atmosphere, which is made possible with a plastic film that allows only specified amounts of carbon dioxide to escape and oxygen to enter, there-

by slowing down the respiration and spoilage rate of the wrapped vegetable.

"In the past, there was little motivation for producers to market their own brands of meats or vegetables because there was little producers could do to make their products stand out," Hotchkiss points out. "Now that producers can use modified atmospheres to offer improved, extra fresh items, many of them will start marketing fruits, vegetables, chicken, fish, and red meats with their own brand labels."

Consumers also can look for retort pouches that resemble foil-wrapped frozen foods. Able to store a variety of foods ranging from beef stew, veal scallopini, and sausages to orange slices and potato salad without refrigeration, preservatives, or additives, retort pouches are energy efficient, light weight, and a cinch to heat up; just pop them in boiling water or into a microwave oven.

Although retort pouches are somewhat costly to produce, they preserve more nutrients and win out over canned foods when it comes to taste, texture, and appearance, Hotchkiss says.

"Plastics will continue to gain ground at the expense of cans and glass bottles," says the Cornell food packaging expert. "In fact, it's not a matter of whether packagers are going to switch to plastic, but when."

## Goldwin Smith and Rockefeller Projects Get Challenge Grant

The J. N. Pew Jr. Charitable Trust has awarded the university a \$1 million challenge grant for completion of renovations to classrooms, offices, and lecture halls in Goldwin Smith and Rockefeller halls. The university must raise an additional \$1.4 million by Dec. 1986 in order to qualify for the Pew grant.

The funds are in addition to the \$250,000 that Pew Trust gave the university to help begin the renovation project in 1979. The final phase of the project is expected to be completed by Dec. 1987. The total project cost is \$8.5 million, including \$2.4 million for the final phase.

Forty percent of Cornell's undergraduate students attend classes in Goldwin Smith and Rockefeller halls. They include students from seven undergraduate colleges and two academic divisions.

The trust's support will enable "the university to complete this critical project and will continue the major program of improv-

ing the undergraduate teaching environment at the university," said President Frank Rhodes.

The J. N. Pew Jr. Trust is administered by the Glenmede Trust Company of Philadelphia.



## Nelkin Named to AIDS Panel

Cornell sociologist Dorothy Nelkin has been named to the Committee on a National Strategy for AIDS, a joint venture of the National Academy of Sciences and the Institute of Medicine.

She is one of 12 members of the panel on health care and public health, part of an "intensive six-month effort to assess national strategies for scientific research, health care delivery, and public health measures in response to the growing national and international problem of AIDS," according to an NAS press release.

The study, NAS says, will provide an "independent setting for identifying public and private sector policies most likely to accelerate development of effective research, prevention, and treatment of the disease."

A spokesman for the Institute of Medicine said the panel won't be examining the prospects for individual drugs or vaccines, "but will deal with the more general questions of how science research is managed and how to respond to a public health crisis this grave."

That's one of the reasons why Nelkin, a member of Cornell's Program on Science, Technology, and Society and of the Department of Sociology, was selected to serve on the panel. She has done research on perception of risk and has written about medicine and technology in general, and AIDS in particular.

One of her articles, for the Millbank Memorial Fund Quarterly on Health and Society, involves the legal dispute over the admis-

sion of children with AIDS to public schools.

Another aspect of Nelkin's research deals with how public health officials, physicians, and other health authorities shape policies and public perceptions of the risk of AIDS and how technical information on issues affecting public health are conveyed to the public by the lay press.

The Committee on a National Strategy for AIDS already has met once in Washington, DC, and is expected to meet four to five times more before the end of the year, according to Nelkin.

NAS officials say they expect "substantial completion" of the panel's report by the end of this summer.

## \$400 in Funds Raised for Black South African Students Here

Nearly \$400 had been raised as of noon Wednesday to help a black South African graduate student at Cornell who faces a possible major operation in April.

According to Robert M. Smock of Faculty and Staff Against Apartheid, that group is trying to raise funds for the student who "has developed a life threatening illness."

In a letter to the Chronicle last week, Smock said the student lives alone in a rooming house near campus. That room does not contain a kitchen, however, and does not provide enough space for the student and his wife, who has just arrived from South Africa.

"There are endless expenses that this couple face in the next few months," Smock wrote, including buying up the remainder of the one-year lease on the apartment and buying furniture and kitchen ware if they can find other quarters.

While the student's insurance should cover the cost of the operation, there will be additional expenses if the operation is performed in Syracuse. Smock cited finding living accommodations there, until he is well enough to return to Ithaca.

"It is hard to know how much money they will need," Smock said, but FSSA estimates it will be "a lot."

The university's International Student Office has arranged to pay for the wife's living expenses while she is here, and is serving as a clearing house for fund raising. Checks made payable to the "South Africa Fund" can be sent to Jerry Wilcox in the International Student Office, Barnes Hall.



# 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

### Personal Development Program

Creating the Possible: a one-day personal development program with LetDavidson, Ph.D., on defining life purpose, accomplishing your goals and going beyond previous limits. Meets Sat., Mar. 22, 9:30-6:30. Call 272-4131 for information and registration.

### Alcoholics Anonymous

Faced with a drinking problem? Perhaps Alcoholics Anonymous can help. Open AA meeting—Monday through Thursday 12 noon in Anabel Taylor Hall. Mon., Tues., Thurs.-Forum; Wed.-Room 314.

### Emotions Anonymous

Every Tuesday, 109 Oak Avenue, (the Lutheran Church), college town. Emotions Anonymous is a self-help group for people with living or emotional problems. Everyone is welcome.

### 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. 10 p.m.-midnight in 340 Goldwin Smith Hall.

### Archaeology Field Scholarships

Hirsch travel scholarships will be granted to archaeology students for field training this summer. About 10 students, participating in properly supervised archaeological field schools and research projects in the United States and abroad, will receive grants toward travel costs. Undergraduates majoring or concentrating in archaeology will be preferred candidates, but others with a proven interest in archaeology may apply. For details and application forms, see members of the Archaeology faculty or Bev. Phillips, 265 McGraw Hall. Fliers, advertising many field training programs in addition to those sponsored by Cornell, are on file in the archaeology office, along with evaluative reports by former participants. The deadline for applications is April 18.

### Willard Straight Hall Office Space

Applications for Willard Straight Hall office space are due on Friday, March 21 in room 401, Willard Straight Hall by 5 p.m.

### Personal Development Program

Creating the Possible: a one-day personal development program with Let Davidson, Ph.D., on defining life purpose, accomplishing your goals and going beyond previous limits. Meets Sat., Mar. 22, 9:30-6:30. Call 272-4131 for information and registration.

### Transformation Workshops

Two eight-week workshop series with Let Davidson, Ph.D.—“Making Relationships Work,” on creating loving and satisfying relationships, for individuals and couples, every Tuesday, 7-10:30 p.m. beginning April 8; “Personal Effectiveness Seminar,” on building qualities for maximum effectiveness in daily living, every Thursday, 7-10 p.m. beginning April 10. For information and registration, call 272-4131.

## Dance

### Cornell Jitterbug Club

The Cornell Jitterbug Club meets every Wednesday, 7:30-9:30 p.m. in Anabel Taylor Edwards Room. Instruction given.

### 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 255-4231 mornings or 257-5677 for further information.

### Cornell Folkdancers

The Cornell Folkdancers will meet in the North Room of Willard Straight Hall on Sunday, March 9 and 16. Instruction from 7:30-8:30 p.m., followed by request dancing until 10:30 p.m. Free; beginners welcome; no partner necessary. For more information call 255-7149 or 157-3156.

### Cornell Dance Series

The Cornell Dance Series Spring Performance will feature the Lucinda Childs Dance Company on Friday, Apr. 11 at 8 p.m. in the Statler Auditorium. For tickets and information contact the Dance Office, Helen Newman Hall, 255-2360. The 1985-86 Cornell Dance Series is made possible by the College of Arts and Sciences and the Council of the Creative and Performing Arts.

## Exhibits

### Herbert F. Johnson Museum

“Hans Hinterreiter” through Mar. 23; “Speiser Collection II: Breaking the Plane” through Mar. 23. The Museum is located on the corner of University and Central Avenue. Museum is open Tuesday through Sunday, 10 a.m.-5 p.m. Admission is

free. Please call 255-6464 for further information.

### Monday

Mar. 31, 5 p.m. Willard Straight Hall Art Room. Works by Andy Leneghan. Everyone is welcome. Sponsored by the Willard Straight Hall Program Board.

## Films

Unless otherwise noted films are sponsored by Cornell Cinema.

### Thursday

Mar. 20, 4 p.m. 310 Uris Library. “The Jewel in the Crown, Part 8: The Day of the Scorpion.” South Asia Video Series. Sponsored by the South Asia Program.

### Friday

Mar. 21, 7:30 p.m. \*Uris Hall Auditorium. “A Private Function” (1984), directed by Malcolm Mowbray with Maggie Smith and Michael Palin. Mar. 21, 9:45 p.m. \*Uris Hall Auditorium. “8 1/2” (1963), directed by Federico Fellini with Marcello Mastroianni.

### Saturday

Mar. 22, 7:30 p.m. \*Uris Hall Auditorium. “8 1/2.” Mar. 22, 10:15 p.m. \*Uris Hall Auditorium. “A Private Function.”

### Sunday

Mar. 23, 2 p.m. Johnson Museum Lecture Room. Composer Eric Ross and Video Artist Mary Ross present “A Multi-Media Performance.”

Mar. 23, 8 p.m. \*Uris Hall Auditorium. “Bus Stop” (1956), directed by Joshua Logan with Marilyn Monroe and Don Murray.

Mar. 23, 2 p.m. \*Uris Hall Auditorium. “Willie Wonka and the Chocolate Factory” (1971), directed by Mel Stewart with Gene Wilder and Jack Albertson.

### Monday

Mar. 24, 9 p.m. \*Uris Hall Auditorium. “My Brilliant Career” (1980), directed by Gillian Armstrong with Judy Davis.

### Tuesday

Mar. 25, 8 p.m. \*Uris Hall Auditorium. “My Life to Live” (1962), directed by Jean Luc Godard with Anna Karina.

### Wednesday

Mar. 26, 8 p.m. \*Uris Hall Auditorium. “Garden of the Finzi Continis” (1970), directed by Vittorio DeSica with Dominique Sanda and Helmut Berger.

### Thursday

Mar. 27, 8 p.m. \*Uris Hall Auditorium. “Marnie” (1964), directed by Alfred Hitchcock with Tippi Hedren and Sean Connery.

### Friday

Mar. 28, 7:15 p.m. \*Uris Hall Auditorium. “Comfort and Joy” (1984), directed by Bill Forsyth with Bill Paterson and Eleanor David.

Mar. 28, 9:30 p.m. \*Uris Hall Auditorium. “The Bridge Over the River Kwai” (1957), directed by David Lean with Sir Alec Guinness and William Holden.

### Saturday

Mar. 29, 7:15 p.m. \*Uris Hall Auditorium. “Comfort and Joy.”

Mar. 29, 9:30 p.m. \*Uris Hall Auditorium. “The Bridge Over the River Kwai.”

### Sunday

Mar. 30, 2 p.m. Johnson Museum Lecture Room. “Niagara Falls,” with guest speaker Prof. Michael Walsh.

Mar. 30, 8 p.m. \*Uris Hall Auditorium. “The Misfits” (1961), directed by John Huston with Clark Gable and Marilyn Monroe.

## Lectures

### Thursday

Mar. 20, 12:15 p.m. Africana Studies & Research Center, 310 Triphammer Road. “The Effects of Political Instability on Development in Uganda,” Dr. Samwire Karugire, Visiting Fulbright Scholar, Makerere University, Uganda. Sponsored by the Forum Africana and Cornell Initiative on Africa.

Mar. 20, 7:30 p.m. G-1 Stimson. “The Bird Populations of Mono Lake, California: What is their Future?” Dr. David Winkler. Sponsored by Jordani. Funded in part by the Student Finance Commission.

### Friday

Mar. 21, 12 p.m. 250 Caldwell. Lecture IV of a six-lecture series on historic and contemporary issues affecting the American Indian, “Is the Indian Press Legitimate?” Jose Barreiro, Editor, “Indian Studies.” A contemporary view and discussion of Indian literature. Sponsored by the Outreach Component of the American Indian Program.

## Music

### Chamber Recital Tonight

A chamber music recital will take place at 8:15 p.m. today at Barnes Hall free and open to the public.

The music to be performed, ranging from the 16th to 18th century, will be played by Rebecca Harris - Warrick, flute; Margaret Gries, violin; Sara Edgerton, cello; and Sara Mangsen, harpsichord.

“Duetto I for Violin and Violoncello,” by Tommaso Giordani and Johann Sebastian Bach’s “Suite in G-Major for Violoncello Solo” start the program, followed by three very short pieces by Johann Schop, Giovanni Battista, and Girolamo Frescobaldi. After the intermission will be Antonio Vivaldi’s “Sonata in E minor for Violoncello and Continuo” and Georg Philipp Telemann’s “Concerto in D Major for Flute, Violin and Continuo.”

Both Edgerton and Gries are DMA students at the Music Department and study under John Hsu. They are joined by Ph.D. for Musicology candidate Mangsen and Harris-Warrick, who has performed locally in the past.

### Thursday

Mar. 20, 4 p.m. Grout Room, Lincoln Hall. Patrick Will talks about Mahler studies. Sponsored by the Dept. of Music.

Mar. 20, 8 p.m. \*Statler Auditorium. Tony Trischka & Skyline; Russ Barenberg & Jerry Douglas. Tickets available at the Ithaca Guitar Works, Commons Coffeehouse and Rebop Records. Sponsored by Balinkie Productions and the Commons Coffeehouse.

Mar. 20, 8:15 p.m. Barnes Hall. Student Recital: Margret Gries, violin; Sara Edgerton, cello; Sandra Mangsen, harpsichord. Works by J.S. Bach, Fontana, Giordani, Schop, and Vivaldi. Sponsored by the Dept. of Music.

## Religious Events

### Thursday

Mar. 20, 7:30 p.m. Anabel Taylor Edwards Room. “Jewish Practices and Thought: Purim, A Look Behind the Mask.”

## Religious Services

### Catholic

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

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

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

### Christian Science

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

### Episcopal (Anglican)

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

### Jewish

Daily Minyan.

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

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

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

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

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

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

### Korean Church

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

### Muslim

Monday-Thursday, 1 p.m. Anabel Taylor 218.

Friday, 1 p.m. Anabel Taylor Edwards Room.

### Protestant

Every Sunday, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry. Sunday Mar. 2, 11 a.m. Sage Chapel. Speaker: Daniel Little, Minister, Presbyterian Church, Ithaca.

Sunday Mar. 9, 11 a.m. Sage Chapel. Speaker: Dow Marmur, Rabbi, Holy Blossom Temple, Toronto.

### Sunday

Mar. 30, 11 a.m. Sage Chapel. Speaker: Robert L. Johnson, Director, Cornell United Religious Work. Sports

## Seminars

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

**Biochemistry, Molecular and Cell Biology:** “Genetic Control of Mitotic Chromosome Transmission,” Leland H. Hartwell, Genetics, University of Washington, noon Thursday, March 27, 125 Riley Robb.

**Chemical Engineering:** “High Pressure Phase Equilibria: Experimental and Monte-Carlo Simulation Studies,” Thanasis Panagiotopoulos, Chemical Engineering, MIT, 4:15 p.m. Tuesday, March 25, Olin 145(A).

**Chemistry:** “Artificial Photosynthesis,” Thomas J. Meyer, University of North Carolina, 4:40 p.m. Thursday, March 20, 119 Baker Lab.

(FRED; PICK UP BAKER LECTURE CHEMISTRY SEMINAR)

**Computer Science:** “DADO & TREAT: A System for the Parallel Execution of Expert Systems,” Daniel Miranker, Columbia, 4:30 p.m. Thursday, March 20, Upson B-17.

**Genetics:** “Development Regulation of the Gld Gene in Drosophila,” Dr. D. Cavener, Molecular Biology, Vanderbilt University, 2 p.m. Thursday, March 27, 135 Emerson.

**International Nutrition:** “Nutritional Surveillance as a Tool to Assist in the Design and Evaluation of Policy and Programs,” Dr. Per Pinstrup-Anderson, International Food Policy Research Institute, Washington, D.C. 12:15 p.m. Thursday, March 20, 100 Savage.

**International Studies:** “Wanted but Not Welcome: Uses of Alien Labor in Western Development,” Ari Zollberg, New School of Social Research, 3:30 p.m. Wednesday, March 26, 153 Uris Hall.

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**International Studies:** (The Cornell Initiative on African Development) “The Prospects for Fertility Decline in Africa,” Etienne Van de Walle, director, Population Studies Center, University of Pennsylvania, 4 p.m. Thursday, March 20, 100 Savage.

**Neurobiology and Behavior:** “Food Sharing and Social Organization in the Common Vampire Bat,” 12:30 p.m. Thursday, March 20, Morison Seminar Room, Corson/Mudd Hall.

**Parasitology:** “A Recently Recognized Public Health Threat—Baylisascaris in the Raccoon,” Susan Wade, Veterinary Medicine, Preventive Medicine, Cornell, 4 p.m. Thursday, March 20, Diagnostic Laboratory Conference Room.

**Pharmacology:** “Structural and Functional Heterogeneity of Neuronal Acetylcholine Receptors,” Ronald Lukas, Neurobiology, Barrow Neurological Institute, Phoenix, Ariz., 4:30 p.m. Monday, March 24, D101L Schurman.

**Physiology:** “Regulation and Composition of Fetal Body Fluids,” M. Wintour, University of Melbourne, 4:30 p.m. Tuesday, March 25, G-3 Veterinary Research Tower.

## Theatre

### Thurs. thru Sat.

Mar. 20-22, 8 p.m. \*Willard Straight Theatre. “Becoming Memories,” a new play by Arthur Giron. David Shookhoff, guest director at Theatre Cornell, directed the original production at the Illusion Theatre in Minneapolis. The play depicts a cross-section of Americana through photographs and familiar stories woven by the characters. For reservations and information call 255-5165.

# Graduate Bulletin

If you are working on your thesis or dissertation, the Graduate School urges you to attend one of the spring orientation meetings where possible pitfalls of preparing and filing theses and dissertations will be discussed. Each meeting will last for one hour.

The meetings will be held on: Monday, March 24 at 12:30 p.m. for the Master's Thesis and at 1:30 p.m. for the doctoral dissertation; Tuesday, March 25 at 10:00 a.m. for the thesis and 11:00 a.m. for the dissertation. The meetings will be held in The Robert S. Morison Seminar Room, lower level of the atrium, of Corson/Mudd Hall.

The thesis adviser and her assistant, as well as the director of records of the Graduate School, will be present to answer questions about your thesis/dissertation, registration, fees, commencement, etc. This meeting will be useful to you whether you are in the beginning stages of thesis preparation or are near the end and hope to obtain a June or August degree. All are welcome.

Commencement is June 1. The deadline for submitting your thesis is May 23, but if you plan to attend graduation and would like to receive your diploma on June 1 and have your name in the commencement program, stop in at the Graduate School immediately and fill out the Provisional Degree and Diploma form. That must be done before March 29.

For more information on the fellowships listed below contact the Graduate Fellowship office or your graduate faculty representative.

March 31—Altrusa International Foundation, Grants-in-Aid. Grants from \$250 to \$1,000 are available to provide financial assistance for qualified women graduate students from developing countries who are pursuing graduate studies. Applicants must be citizens of a country in Latin America, Asia, the Middle East, Africa, Polynesia or Melanesia; be enrolled as a full-time graduate students or supervised research workers at graduate level; have satisfactorily completed at least one-half of the final study program; return to home country within three months after completion of studies and enter employment there within one year; not have received a previous grant from the Foundation; not use the funds for travel except as required by the university specifically for the academic program.

March 31, 1986—American Institute for Economic Research. The basic fellowship stipend for students in economics and related areas is \$425 per month, provided it does not reduce financial awards from other sources. Supplemental stipends of \$75/month per dependent are provided for fellows who have family responsibilities. Grants for research are available up to \$425/month for special projects conducted at the institute. The basic stipend may be adjusted for special circumstances. The fellowship is not restricted to Americans, but U.S. citizens have first priority. International applicants must be able to speak and write well in English. Applications available in 116 Sage Graduate Center.



## Faculty Council of Representatives Meeting

## Ways Sought to Cut Health Care Costs, Increase Parking

Cornell officials are looking to trim health care costs and to increase parking on campus, the Faculty Council of Representatives is told at its March 12 meeting.

In 1985, Cornell and its employees in the private units spent \$7.5 million on health care, the equivalent of 6 percent of the entire payroll, according to Lee M. Snyder, director of University Personnel Services. "It's a sizeable pot," Snyder said. But not unexpected one.

Nationwide, \$335 billion, or 10 percent of the gross national product, was spent on health care in 1985. Health care costs are increasing at twice the rate of inflation.

Of the \$7.5 million spent here for health care, 51 percent went to hospitalization, 16 percent for surgery, 11.5 percent for medical tests, 9.5 percent for prescription drugs, 7.5 percent for X-ray and laboratory fees, and 6 percent to other costs.

A Cornell task force is working to limit the costs of health care and provide alternative health care programs, Snyder said.

In January 1985, the university launched a series of cost-containment measures, including requiring second opinions for certain types of surgery; same-day surgery for certain procedures; pre-admission testing; and obtaining long-term medications, such as insulin or high-blood pressure medicine, through a wholesale drug program to reduce prescription costs.

So far, "These things aren't working out very well," according to Snyder.

For example, while total hospital admissions for Cornell employees dropped from

1,177 in 1984 to 1,127 in 1985, the total number of hospital days, the average length of stay in the hospital, the total charge per admission, the number of surgical procedures, and the average surgery charge all increased.

"But, if we had not begun some cost-containment measures, maybe the increases would have been even higher than they were," Snyder said. "As it is, our health care costs are going up about \$1 million a year."

Among other alternatives being considered by the university are participation in a health maintenance organization (HMO), an independent practice association (IPA), or a preferred providing organization, and offering alternative health plans with varying coverage and deductible levels.

It is unclear at this point whether participation in an HMO or IPA would reduce health care costs to the university, Snyder said. One advantage would be that employees in the state units here could choose to participate in the state program or an HMO offered by Cornell. Currently, employees in the statutory units are limited to the state's health care package.

"We would prefer to not transfer costs back to the employees through higher deductibles," Snyder said. "We'll exhaust other options first. In the end, we want to trim costs without cutting the health care coverage provided to our employees."

There is one area where Cornell officials would prefer to see numbers go up — parking spaces on central campus — Bill Wendt, director of the Office of Transportation

Services, told the FCR.

"We'll have 800 more spaces next fall" through the construction of a parking garage on the Hoy Field site, next to Schoelkopf Field, and the addition of other parking spaces, he said. Foundation work has already begun on the Hoy Field site. Construction should be completed by August.

Some parking spaces near Savage Hall will be unavailable next fall because of construction work in that area, Wendt said.

With the addition of the garage, many parking spaces currently reserved for holders of "U" or other permits will be converted into short-term and visitor parking, Wendt said.

For example, all of the surface parking around Uris, Statler, and Ives halls, which is now permit parking, will be converted to short-term and visitor parking. Permit parking for those areas will be provided in the new parking garage.

The increase in short-term spaces, which can be occupied for up to two hours at a time, should ease parking difficulties faced by faculty and others whose duties take them to various parts of the campus during the day, according to Wendt.

In addition, the central campus is being divided into six zones. Each zone will contain short-term and visitor parking spaces. The number of permits in each zone for all-day faculty and staff parking will be issued at 1.3 permits per available parking space.

"The current permit system has tended to break down" because spaces are not allocated in relation to where people work,

Wendt explained.

Other changes being planned include the addition of 30 parking spaces in the grass area north of Clark Hall; the addition of 300 spaces along Alumni Field from Corson-Mudd halls to Wing Drive, and making the area north of Tjaden Hall available for short-term and visitor parking.

The parking lot near Bailey Hall will be closed this summer to be used as a staging area for construction of an addition to the Space Sciences Building and Academic I.

The meters in the parking areas near Sage Hall and the Campus Store will be removed and those areas will be used for permit parking. The meters will be installed in the lot behind Willard Straight Hall. That change will put faculty and staff closer to their buildings, and students, who are the primary users of the metered lot, closer to the student union, Wendt said.

Colleges and support units will still be able to obtain permits for important visitors, allowing them to park in permit-parking areas, rather than in visitor areas.

As Cornell continues an extensive campaign of construction and renovation, parking inconveniences may arise because of the need to use parking spaces as staging areas for construction, Wendt said. Those who experience parking and traffic difficulties or problems resulting from construction noise are asked to call a special telephone number — 255-4394 — that connects the caller with the office of Robert M. Matyas, vice president for facilities and business operations.

## Engineering

Continued from Page 1

which are quadrillionths (or hundredths of trillionths) of a second.

Some 20 years ago, when the latest miracle was integrated circuits on a chip of silicon, Eastman was looking ahead to the next revolution. Silicon's fundamental weakness, he knew, would be the speed with which it could transmit electric signals. It was doing remarkably well for a material made from sand, and had yet to approach its potential. Then, though, silicon wouldn't be good enough.

The semiconductor of the future, Eastman predicted in 1964, would be gallium arsenide.

He took a chance on gallium arsenide, a semiconductor that required specialized (and costly) equipment to produce and manipulate, and involved highly toxic materials.

Eastman's risk paid off. Electrons now travel up to six times faster through electronic devices made up of layers — a few atoms in thickness — of gallium arsenide and related compounds, such as gallium indium arsenide and gallium aluminum arsenide. A gallium arsenide transistor produced by students in 1983 in Eastman's laboratory held the world's record with a switching time of 100 picoseconds.

Silicon is still used in the majority of commercial semiconductor applications, but gallium arsenide devices are gaining, especially where ultra high speed is important. More telling to Eastman is the fact that Stanford University — almost synonymous with silicon and a valley of the same name — is redirecting its microelectronics research to compound semiconductors.

Tang's field is quantum electronics, which means laser-based science and technology; his specialty is electro-optics and the study of ultra-fast processes in semiconductors and large molecules. The son of a chemist, Tang got in on the laser ground floor in the 1960s, and is now acknowledged to have made fundamental contributions to the physics of lasers.

In 1978, for example, Tang identified a new optical crystal that efficiently converts visible and infrared light to the ultraviolet range. Able to operate at room temperature, the device used the crystal of a common, inexpensive material — urea — and with crystal-growing techniques developed at Cornell, proved to be extremely useful in generating new laser wavelengths.

Proceeds from Tang's patented urea device and from a laser-tuning system are flowed back into the search for other useful materials, a quest he says involves luck, hunches, and an occasional educated guess. He looks for non-linear crystals, those that change their optical properties with variations in the intensity of light. When asked the rules for finding new optical materials, he answers, "If there were guaranteed rules, we would have already found all the materials."

Patience, perseverance, the ability to learn from experience, and "good students" are the keys to identifying and growing a new crystal, Tang says, with the emphasis on the student-researchers. He prefers university-based research to an industry or government setting, although he does outside consulting for both, because of the working environment.

"Here, we have no predetermined goal, no conditions to meet," Tang says of his research group, which includes three to four active graduate students and several in training. "We have to do something good, but not any particular thing, and we can follow our intuition and instincts."

With as many as 30 graduate students in a research group of 45 — the largest compound semiconductor laboratory at any American university — Eastman doesn't spend his time looking over their shoulders. "They don't need spoon-feeding," he says of his students, chosen from the best around the world. When the ongoing research is stalled for the lack of an invention, according to Eastman, "I tell them, 'Go off and think and invent something.'"

Eastman finds that kind of independence is surprising to students from Asian societies such as Japan, where the teacher-student relationship is more formal. "But sometimes, in less than a week, they come back with an invention." One student invention was the planar doped barrier, a kind of controllable "hill" for electrons in a crystal; that development is now important in many research devices.

Excellence in student-researchers will be important to Tang as he reaches for the next "breakthrough" in his field, the extension of the ultra-fast laser techniques to a wider range of colors or wavelengths. The laser pulses that excite ultra-fast processes in liquids and solids may become two to three times faster, Tang expects, and more of the new materials now under study may find applications.

"In our area of research, we have high quality students," Tang says, "and they are getting better and better. I wish I could take all the good students who want to join our group."

## Broaden Context of Your Education, Barker Tells Students

Broadening the context of one's knowledge and understanding should be the primary goal of students in pursuing an education at Cornell, Provost Robert Barker said Friday as guest speaker at a student reception on West Campus.

He told the students to think "three dimensionally," to take courses and pursue activities that will help place their knowledge and personal goals in context with social values of our society and others; in context with science and technology; and in context with history and the future.

He told them to leave Cornell with the

ability to write and speak with clarity and precision, and with a touch of humor and touch of grace.

"Leave here with a capacity for analytical thinking. Challenge yourself, question whether your thinking is sufficiently broad before coming to a conclusion. Have some level of skepticism about your first thoughts on a subject, some level of self criticism. You must consider all the ramifications to put your thinking into an adequate context," Barker said.

His talk was aimed primarily at students in professional programs, urging them to take

## Infertility

Continued from Page 1

medical treatment.

Ironically, as more couples than ever find themselves unable to have children, fewer infants than ever are available for adoption, even though there were about 4.4 million unwanted pregnancies in 1984. Among teenagers, there were more than one million babies born out of wedlock; of these, 95 percent of the mothers decided to keep their babies. A generation ago, only 15 percent of unmarried women who had babies kept them.

"There's a widespread network of services and support for adolescents who decide to keep their babies," Shapiro says. "Ironically, there's less effort expended on helping young women make the choice to surrender their babies for adoption. Adoption is just not in vogue these days."

Yet many of the babies who stay with their unmarried birth mothers will end up in foster care when young girls find it too difficult to go to school or to be an employed teenager with an infant, Shapiro points out. The federal government spends \$8 billion a year supporting women who give birth in their teens.

to him, Eastman says, and he doesn't worry much about national boundaries. "Most of our graduate students from overseas stay and become citizens. I realize we are running a sort of technological immigration department; when we choose students, often we're choosing new citizens."

Two other Cornellians were named to the National Academy of Engineering. George L. Nemhauser, until last year the Leon C. Welch Professor of Engineering, is now chairman of industrial and systems engineering at the Georgia Institute of Technology. Rowland W. Redington, who earned a Ph.D. from Cornell in 1951, is manager of the medical diagnostics systems branch of the General Electric Research and Development Center in Schenectady.

There are now eight Cornell faculty members in the engineering academy.

For infertile couples who opt for adoption, the road is often long and frustrating. For every white infant available, there are 40 couples waiting. By the time couples decide to adopt, many have already spent several years trying to get pregnant and have been seeking medical help. Once a couple signs up to adopt an infant, the wait ranges from three to eight years, although foreign adoptions can take less time.

Some couples take a shortcut by adopting privately, but that has its price. A private adoption may cost up to \$50,000 and does not include the counseling services available when adopting a child through an agency.

How can someone help a friend or relative suffering from infertility?

"Most of all, be a good listener. Don't reassure, criticize, or offer solutions," Shapiro advises. "Acknowledge the problem and pain involved. Be sensitive."

"Remember that these couples are experiencing a very painful emotional crisis in their lives. They are mourning the death of a dream. A good friend will help them talk about their feelings and help them feel not so emotionally alone," Shapiro concludes.

advantage of the many courses in the liberal arts at Cornell to broaden their experience.

He also suggested that liberal arts students take some courses to develop marketable skills. For example, he mentioned courses in management.

Barker said all students should "develop a sense of the value of work and the pleasure that can be found in it. Be proficient in some discipline, while at the same time relating it to the broader perspective. That is what all of education should be about."



Number 11

**Cornell University**

**University Personnel Services**  
**Day Hall**  
**Ithaca, New York 14853**

**Please Note:**

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

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

Employee Transfer Applications: Em-

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

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

Please Post

March 20, 1986

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

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

and Referral Center.

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

\*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: Director of Financial Operations for Public Affairs

Department: Vice President for Public Affairs  
 Description: Responsible to the Vice President for financial management, budgeting, long-range planning and personnel affairs. Provide direction to departments in budget preparation, prepare divisional budget and financial reports, monitor financial performance. Work with Director of Development to analyze gift support and make revenue projections.

Requirements: Bachelor's degree; M.B.A. preferred. 5-7 years of experience in budgeting, financial analysis, personnel. Good communication skills. Please send cover letter and resume to Ralph D. Jones by April 1, 1986.  
 Job Number: PA122

\*Position: Assistant to the Vice President for Public Affairs (Repost)

Department: Vice President for Public Affairs  
 Description: Assists the Vice President in overall coordination of Public Affairs Programs. Coordinates the divisional level volunteer recruitment, training and development with a special focus on women and minorities. Researches, writes reports, handles variety of special projects.

Requirements: Bachelor's degree or equivalent. Strong communication skills, especially written, required. Experience in Public Affairs or related field helpful; experience working with volunteers desirable. Please send cover letter and resume to Ralph D. Jones by April 1, 1986.  
 Job Number: PA4612

\*Position: Technical Coordinator

Department: Systems Office - Olin Library  
 Description: Under direction of Project Leader, provide technical support efforts, particularly regarding microcomputer applications; support includes microcomputer hardware and software needs as well as communications (network) help with various mainframe computers; individual will be involved in training and education of library staff in the use of computers.

Requirements: Bachelor's degree or equivalent. Microcomputer experience, both Apple Macintosh (Microsoft Word, EXCEL) and IBM PC (WordPerfect, dBase III). Excellent oral and written communication skills; knowledge of IBM mainframe a plus. Training experience helpful. Please submit cover letter and resume to Cynthia Smithbower.  
 Minimum Biweekly Starting Salary: \$543.50  
 Job Number: PT111

\*Position: Retail Manager II, Text Books

Department: Campus Store  
 Description: Responsible for all retail operations, supervision, buying (course books), inventory control, merchandising, budget preparation and management, vendor and customer relations for the text book area. Primary liaison to faculty.

Requirements: Bachelor's degree or equivalent education and experience. 5-7 years successful experience in the text book field. Experience must have included supervision of full-time staff. Please send cover letter and resume to Ralph D. Jones by April 1, 1986.  
 Job Number: PA112

Position: Budget Director

Department: Endowed Budget Office  
 Description: Coordinate fiscal data and develop annual program and financial plans; prepare budget documents and reports; monitor and control operating budget; develop reliable forecasting procedures and provide cost accounting and analysis capabilities and staff support to University officers.

Requirements: Master's degree. Ten years of experience in development of financial policies and operations. Demonstrated outstanding communication and interpersonal skills. Experience in a large decentralized and non-profit organization helpful. Please send cover letter and resume to Ralph D. Jones by May 1, 1986.  
 Job Number: PA105

Position: Auditor II (Repost)

Department: Auditor's Office  
 Description: Under supervision of the Assistant Director of Auditing, perform audits within all areas of the university's operations including cash, investments, inventories, receivables, payables, payroll, grants and contracts and computer services. Evaluate internal controls and determine compliance with university procedures. Draft reports outlining results of audits for key university administration. Provide direction and supervision to Audit support staff and other Audit personnel in the performance of some audit assignments.

Requirements: Bachelor's degree in accounting. At least two or three years of experience in auditing or related business experience is necessary. Please send cover letter and resume to Ralph D. Jones by March 27, 1986.  
 Job Number: PA2814

Position: Senior Research Support Specialist

Department: Agricultural Economics  
 Description: Responsible for planning, conducting and reporting research on the economic, financial and technical aspects of alternative biotechnology products and processes relevant to agriculture and the food industry. Position funded until September 30, 1987; extension based on continued funding.

Requirements: Master's or Ph.D. in economics or agricultural economics. Coursework in biological sciences or chemistry helpful. Knowledge and demonstrated use of computers, economic theory, quantitative methods and techniques of risk analysis required. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT109

Position: Systems Programmer III

Department: Computer Services  
 Description: Design, implement, install, document and maintain systems software or significant subsystems in MVS (including both MVS/SP and MVS/XA). Adapt software extension in areas of accounting and resource allocation.

Requirements: Bachelor's degree or equivalent with related computer courses. 3 to 5 years systems programming experience including IBM 370 assembly language. Significant operation of and exits in MVS for maintaining and adapting software extensions in areas of accounting and resource allocation. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT101

Position: Systems Programmer III

Department: Computer Services  
 Description: Design, implement, install, document, and maintain systems software or significant subsystems in VM/CMS (including both VM/HPO and VM/XA-SF). Maintain and adapt software for VM/HPO as well as design and implement functional enhancements to VM/XA-SF.

Requirements: Bachelor's degree or equivalent with related computer courses. 3 to 5 years systems programming experience including IBM 370 assembly language. Significant knowledge of the internal operation of VM systems for maintaining and adapting software for VM/HPO and designing and implementing functional enhancements to VM/XA-SF. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT103

Position: Senior Systems Programmer

Department: Computer Services  
 Description: Design, implement, install, document and maintain networking (using SMP/E) and VM. Provide a foundation for maintaining and adapting software to support state-of-the-art communications providing connectivity with national and international networks.

Requirements: Bachelor's degree or equivalent with related computer courses. 4 to 6 years systems programming experience including IBM 370 assembly language. Knowledge of Pascal is desirable. In-depth knowledge of the interfaces between operating systems (including RSCS and JES2). Experience with TCP/IP is desirable. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT102

Position: Systems Programmer I

Department: Computer Services; Academic Computing

Description: Install selected applications programs and packages on the test and production systems of the IBM mainframes. Run vendor-supplied tests, refer problems to installation manager, update documentation, write bulletin articles, perform consulting, participate in staff tests during installations. Help design and modify inion tests as necessary.

Requirements: Bachelor's degree with computer courses or equivalent. Familiarity with CMS and one of the CMS editors. Some knowledge of installation procedures and techniques, of system utility programs, system control languages and SCRIPT text formatting. Please send cover letter and resume to Cynthia Smithbower by March 28, 1986.  
 Minimum Biweekly Starting Salary: \$632.87  
 Job Number: PT108

Position: Executive Staff Assistant

Department: Office of Vice President of Finance and Treasurer

Description: Provide executive staff and administrative support to the Vice President of Finance and Treasurer. Requires independent decision of reports including compiling and reorganizing financial documents. Prepare correspondence, reports, memos, etc.; develop effective tracking and maintenance of all documents via manual filing systems and computerized systems; schedule and organize travel and accommodations, meetings, conference and special engagements; manage departmental accounts; handle inquiries (telephone and in person); mail; other projects as assigned.

Requirements: Bachelor's degree or equivalent experience. Minimum 5 to 7 years administrative or secretarial support experience. Knowledge of Cornell University preferred. Background in areas of banking, investment and other financial fields helpful. Experience in use of word processing equipment and personal computers. Managerial, organizational, and communication skills (verbal and written) essential. Ability to work independently. Send cover letter and resume in confidence to Esther L. Smith by March 21, 1986.  
 Minimum Biweekly Starting Salary: \$543.50  
 Job Number: PC1011

Position: Co-op Coordinator

Department: Dining Services  
 Description: Administer the contract dining plan (Co-op) and maintain the computerized door-checking and billing system (ACCESS). Act as salesperson for Co-op; handle daily Co-op transactions (adds, changes, lost cards, etc.); coordinate fall, spring and summer Co-op registration; respond to inquiries and complaints from students and parents; prepare and reconcile Co-op billings.

Requirements: Associate's degree and two years of related experience, or equivalent combination of education and experience. Supervisory experience preferred. Excellent organizational and customer relations skills. Please send cover letter and resume to Ralph D. Jones  
 Minimum Biweekly Starting Salary: \$543.50  
 Job Number: PA1013

Position: Research Support Specialist II

Department: Food Science and Technology (Geneva)  
 Description: Support program in food carbohydrate polymer research. Conduct research on carbohydrate polymers and other chemical constituents of fruits and vegetables using modern instruments.

Requirements: Bachelor's degree in chemistry; Master's degree preferred. Facility in operating complex lab

instrumentation, in performing chemical separations and analyses, and in using a computer to analyze and tabulate results. Ability to research and adapt analysis techniques from published sources.

Minimum Biweekly Starting Salary: \$543.50  
 Job Number: PT1012

Position: Senior Trust Officer

Department: Vice President Public Affairs  
 Description: Responsible for generating and administering trust and estate gifts, new and recurring planned gifts. Meet with potential donors, advise donors and staff on financial planning for all types of gifts. Work closely with Development Office and University Counsel's Office. Supervise the Trust Office.

Requirements: Law degree. 5-10 years experience in trust and estate work, excellent communication and management skills. Please send cover letter and resume to Ralph D. Jones.  
 Job Number: PA0911

Position: Area Manager I

Department: Theory Center  
 Description: Supervise a staff of 12 distributed consultants including hiring and training. Establish and maintain active relationships with supercomputer users.

Requirements: Master's degree with 3-5 years experience in a related position. Excellent communication, interpersonal and organizational skills. Mainframe computing experience. Ability to work with a variety of users and to speak with them at their level of comprehension. Working knowledge of various computer languages, especially Fortran. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT098

Position: Technical Specialist II

Department: Theory Center  
 Description: Provide software support and technical advice and guidance for all aspects of the Theory Center's networking efforts.

Requirements: Master's degree in computer science, three years of Unix/C systems programming. Demonstrated expertise in designing, developing, and maintaining system software. Complete understanding of DARPA networking protocols, such as TCP/UDP/IP and their implementation in Berkeley Unix (preferably on a range of machine architectures). Knowledge of other networking protocols highly desirable. Good interpersonal skills. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT0910

Position: Research Support Specialist III

Department: Agricultural Engineering  
 Description: As a team member, will study the major end-use electrical loads and demands, and methane cogeneration on Upstate New York farms.

Requirements: Masters of Engineering, Master of Science in agricultural engineering or equivalent. Knowledge of farm operations and equipment, electric systems and methane production and cogeneration. Programming ability using Pascal is necessary. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT096

Position: Residence Hall Director - Risley

Department: Residence Life  
 Description: Train, supervise and evaluate a part-time program assistant and four Resident Advisors. Insure implementation of sound developmental and educational programs. Assist with policy development and administrative functions in a hall of 200 residents with specific interests in the fine and performing arts. Live-in position with furnished apartment provided.

Requirements: Bachelor's degree and substantial experience required. Master's degree strongly preferred or equivalent experience in higher education administration, student personnel, counseling or a closely related field. Experience in counseling, training, supervision, leadership, group facilitation, programming and general administration; some budgeting experience with effective written and oral communications skills. Residential and arts management experience. Please send cover letter and resume to Ralph D. Jones.  
 Minimum Biweekly Starting Salary: \$543.50  
 Job Number: PA091

Position: Residence Hall Director (Two Positions)

Department: Residence Life  
 Description: Assumes primary program and related administrative duties for a residence hall unit of 200-500 students. Supervise 4-14 Resident Advisors and 1 Program Assistant. Live-in position with furnished apartment provided.

Requirements: Bachelor's degree required. Master's degree or equivalent strongly preferred. Degree in student personnel administration, counseling or a closely related field necessary. Some experience in student housing administration, programming, staff training and supervision highly desirable. Please send cover letter and resume to Ralph D. Jones.  
 Minimum Biweekly Starting Salary: \$543.50  
 Job Number: PA092

Position: Systems Programmer II

Department: Theory Center  
 Description: Provide software support for all aspects of the Theory Center's networking efforts.

Requirements: Bachelor's degree in computer science or equivalent combination of education and experience. Demonstrated expertise in Unix and C language programming; Unix systems programming experience highly desirable. Some understanding of DARPA networking protocols such as TCP/UDP/IP and their implementation in Berkeley Unix. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT099

Position: Hungry Bear Deli Manager

Department: Unions & Activities - Robert Purcell Union

Description: Responsible for coordinating night time diner services and supervising and training student employees, inventory purchasing, daily maintenance of all pricing of items for resale, monthly reports. Ten month appointment.

Requirements: High school diploma or equivalent. Managerial/Supervisory experience. Experience in use cash register, food handling, preparation and food retailing, and skills dealing with customers and supervision student employees. Please send cover letter and resume to Ralph D. Jones.  
 Job Number: PA083

Position: Director, Production Supercomputer Facility (Repost)

Department: Theory Center  
 Description: Provide administrative and managerial support to a new research facility. Major responsibilities include developing and implementing an operating plan and budget, oversee staffing of facility as well as act liaison with corporate representatives.

Requirements: PhD in scientific field desirable in addition to some experience in computer science. Experience with large scale computation. At least three years experience in senior management position, preferably in computer services environment. Please send cover letter and resume to Cynthia Smithbower.  
 Job Number: PT113

Position: Budget Analyst (Repost)

Department: Administrative Services  
 Description: Provide budget forecasting and preparation, financial sensitivity analysis, prepare monthly reports, income trend analysis in support of \$50 million department budget.

Requirements: Bachelor's degree or equivalent. Two years experience in accounting and/or budgeting. Knowledgeable in computers (Lotus 1-2-3, Symphony). Excellent verbal and written communication skills. Please send cover letter and resume to Ralph D. Jones.  
 Job Number: PA4610

Position: Payroll Manager

Department: Controller (Endowed Accounting)  
 Description: Manage the Endowed Payroll Office. Responsible for payroll schedules while adhering to University policies and procedures. Work with university administrators and computer personnel to maintain and update the payroll system. Review tax legislation and specify program changes to meet governmental withholding and reporting regulations. Counsel employees on payroll-related matters. Supervise a staff of seven.

Requirements: Bachelor's degree in business or accounting or equivalent. 3 to 5 years experience in large payroll or accounting office. Familiarity with computerized financial systems is desirable. Must possess demonstrated supervisory ability and excellent verbal and written communication skills. Please send cover letter and resume to Ralph D. Jones  
 Job Number: PA033

Position: Director

Department: University Press  
 Description: Oversee financial affairs of the Press's operations; establish managerial policies for the professional and nonprofessional staff, and develop, in conjunction with a faculty Board of Editors, editorial policy for the Press, which has a staff of 50, publishes approximately 100 titles yearly, and has annual sales of approximately \$1 million.

Requirements: Bachelor's degree. Demonstrated successful experience in the editorial, managerial, and financial aspects of university publishing, or equivalent experience. Please send cover letter and resume to Ralph D. Jones.  
 Job Number: PA026

**Clerical**

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

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

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

\*Position: Administrative Aide, GR20  
 Department: Center for Radiophysics and Space Research (CRSR)

Description: Provide administrative assistance support to the principal and co-investigators of a large scale research program. Handle correspondence; answer inquiries (on phone and in person); assist in report and proposal preparation; schedule meetings and conference calls; make travel arrangements; handle other projects as assigned.

Requirements: Associate's degree or equivalent. Some technical/science courses highly desirable. Medium typing. Minimum 2-3 years of secretarial or administrative experience. Familiarity with administration of government grants and contracts. Excellent organizational, interpersonal and communication skills.  
 Minimum Biweekly Starting Salary: \$468.29  
 Job Number: C118

\*Position: Administrative Aide, GR20

Department: Johnson Graduate School of Management (JGSM)

Description: Plan and execute administrative functions for programs such as major alumni and corporate luncheon dinners around the country (e.g., Distinguished Alumni Speaker Program, International Reunion Program). Design and coordinate direct mail programs (3,000 pieces) monitor and process the financial aspects related to programs.

Requirements: Associate's degree or equivalent. Heavy typing. Minimum 1-3 years of administrative or secretarial experience. Strong communication, interpersonal, organizational skills. Familiarity with fund raising and computers helpful.  
 Minimum Biweekly Starting Salary: \$468.29  
 Job Number: C114

\*Position: Secretary, GR18

Department: Plant Breeding and Biometry  
 Description: Type technical manuscripts, course materials and correspondence for faculty in Biometric Unit using word processor; answer telephone; run photocopier; process orders for publications.

Requirements: H.S. diploma or equivalent. Medium typing. Several years of typing experience. Word processing experience desirable. Ability to work independently.  
 Minimum Biweekly Starting Salary: \$418.85  
 Job Number: C116

\*Position: Secretary, GR18

Department: History  
 Description: Type and edit historical manuscripts as well as routine correspondence and various typing assignments in the History Office.

Requirements: H.S. diploma or equivalent. Business



secretarial school desirable. Heavy typing. Minimum 1-3 years of experience. Excellent typing skills. Knowledge of word processing. Strong interpersonal and communication skills.

Minimum Biweekly Starting Salary: \$418.85  
Job Number: C115

\*Position: Special Collections Assistant, GR18  
Department: NY Historical Resources Center -Olin Library  
Description: Edit and index data gathering forms for statewide Historical Documents Inventory. Enter data into RLIN database; proofread printouts; update database and prepare material for publication. Full-time until 6/30/87 with possible extension.

Requirements: Associate's degree or equivalent; Bachelor's degree in humanities, social sciences or related fields preferred. Light typing. Writing skills and good handwriting. Experience in editing, indexing, proofreading and data entry desirable. Accuracy and ability to do detailed work with a minimum of supervision required. Some knowledge of NYS history desirable. Experience with RLIN desirable.  
Minimum Biweekly Starting Salary: \$418.85  
Job Number: C113

\*Position: Office Assistant, GR18  
Department: Statler Inn  
Description: Responsible for answering all telephones and inquiries; maintain files and records; word processing for the Personnel Manager of Statler Inn and for the Purchasing Department of the Statler Inn and the School of Hotel Administration.

Requirements: H.S. diploma or equivalent. Business or secretarial school desirable. Medium typing. Minimum 1-2 years of secretarial experience. Strong communication and interpersonal (written and oral) skills. Knowledge of. Cornell helpful.  
Minimum Biweekly Starting Salary: \$418.85  
Job Number: C117

\*Position: Secretary, GR18  
Department: School of Hotel Administration  
Description: Provide clerical and receptionist support to nine Hotel School faculty and administrative aide. Type moderately complex materials such as charts, exams, forms, correspondence and class materials. Monitor approximately 65 student time cards. Maintain confidential files and Venda, Campus Store and Statler Club cards. 9 month appointment.  
Requirements: H.S. diploma or eqt. Business or secretarial school desirable. Medium typing. Minimum 1-3 years of office experience. Good interpersonal and communication skills. WANG word processor skills preferred, or willingness to learn.  
Minimum Biweekly Starting Salary: \$418.85  
Job Number: C112

Position: Accounts Assistant, GR20  
Department: Public Affairs Regional Offices  
Description: Maintain accounting records; verify and process vouchers for 10 regional offices, four college/departments accounts and the Director's office. Prepare payroll vouchers and keep vacation/sick leave records; order supplies; assist in special projects.  
Requirements: Associate's degree in accounting or equivalent. Light typing. Minimum of two years accounting experience preferably at Cornell.  
Minimum Biweekly Starting Salary: \$468.29  
Job Number: C107

Position: Secretary, GR20  
Department: College of Architecture, Art & Planning Dean's Office  
Description: Provide secretarial support to the Assistant to the Dean with additional work assignments from the College Directors of Operations and External Affairs. Word processing and data base computer input; type; file; photocopy; act as Dean's Office receptionist.  
Requirements: Associate's degree or equivalent. Medium typing. Minimum 2 to 3 years related work experience. Working experience with personal computer/word processing. Knowledge of Cornell helpful. Strong organizational, office and interpersonal skills. Ability to work independently and maintain confidentiality.  
Minimum Biweekly Starting Salary: \$468.29  
Job Number: C108

Position: Administrative Aide, GR20 (Repost)  
Department: Johnson Graduate School of Management  
Description: Coordinate and execute all business aspects of the annual fund raising program. Plan, implement and supervise all phonathons; coordinate all aspects of a direct mail campaign - over 20,000 pieces per year. Some travel involved.  
Requirements: Associate's degree or equivalent. Medium typing. Minimum 1-3 years of administrative/secretarial experience. Strong communication skills. Familiarity with fund raising and computers helpful.  
Minimum Biweekly Starting Salary: \$468.29  
Job Number: C394

Position: Secretary, GR19  
Department: Vice President for University Relations  
Description: Process all typed material and perform a variety of other secretarial-clerical functions in an extremely fast-paced office dealing with all of Cornell's varied publics. Order office supplies and materials; maintain files; handle completed travel; order and maintain subscriptions to periodicals, newspapers, and magaas assigned.  
Requirements: Associate's degree or equivalent. Heavy typing. Minimum 2 to 4 years secretarial experience. Excellent typing speed with word processing experience. Requires knowledge of and attention to proper spelling and appropriate grammar and punctuation. Requires organizational skills. Ability to work independently and handle confidential material. Knowledge of Cornell and/or related administrative systems would be helpful.  
Minimum Biweekly Starting Salary: \$443.78  
Job Number: C105

Position: Secretary, GR18  
Department: Civil and Environmental Engineering  
Description: Provide secretarial support for an Endowed Chair faculty member. receive and place telephone calls; file; draft correspondence and reports using dictaphone; input, format, revise and prepare final printouts of highly technical manuscripts using word processor; act as backup word processor operator when needed.  
Requirements: High school diploma or equivalent; business or secretarial school desirable. Heavy typing. Minimum 1 to 2 years experience. Knowledge of or willingness to learn technical word processing. Good organizational skills.  
Minimum Biweekly Starting Salary: \$418.85  
Job Number: C106

Position: Secretary, GR18  
Department: Department of Human Service Studies  
Description: Provide secretarial support for three to six faculty in large department. Type class materials, reports, correspondence, manuscripts, standard andnders; answer telephone; pick up and sort mail; arrange travel; order texts; make copies; run campus errands. Other duties as assigned.  
Requirements: High school diploma or equivalent; business or secretarial school desirable. Heavy typing. Previous secretarial experience (in an academic setting preferable) Good interpersonal, telephone and machine-manual transcription skills. Knowledge of IBM PC using WordPerfect or willingness and aptitude to learn. Ability to work independently and under pressure.  
Minimum Biweekly Starting Salary: \$418.85  
Job Number: C104

Position: Administrative Secretary, GR18  
Department: Alumni Affairs  
Description: Provide secretarial support for Director of

Class Affairs. Answer phone; type; file; arrange travel; assist in all aspects of program planning, eg reunion, class officer meetings; interact with Cornell alumni.

Requirements: High school diploma or equivalent; business or secretarial school desirable. Medium typing. Experience and skill in general office procedures. Good organizational and communication skills. Ability to work under pressure. Knowledge of memory typewriter and IBM PC preferred.  
Minimum Biweekly Starting Salary: \$418.85  
Job Number: C102

Position: Secretary, GR17  
Department: NYSSILR - Collective Bargaining, Labor Law & Labor History  
Description: Provide secretarial support for three full-time faculty members. Use word processing for manuscripts, course materials, correspondence; transcribe dictation; research references and citations in the library; photocopy; handle student traffic; arrange travel; answer telephone. Other duties as assigned.  
Requirements: High school diploma or equivalent. Heavy typing. Minimum two years general office experience. Familiarity with legal citations and labor relations terminology and practices. Word processing skills preferred. Shorthand desirable.  
Minimum Biweekly Starting Salary: \$397.60  
Job Number: C109

## General Service

\*Position: Custodian—Group Leader, SO17  
Department: Residence Life - West Campus (Endowed)  
Description: Coordinate and assign all project work. Keep inventory records and issue supplies. Assist House-keeping Supervisors with daily housekeeping operation. Monday - Thursday, 7:30 a.m. - 4:00 p.m.; Fridays 7:30 a.m. - 3:00 p.m.

Requirements: H.S. diploma or equivalent. Supervisory experience helpful. Excellent organizational and record keeping skills. Excellent interpersonal skills to work with students, staff and visitors. Please include current resume with transfer applications.  
Minimum Starting Salary: \$5.12/hour  
Job Number: G101

\*Position: Technical Sales Assistant, GR17 (Repost)  
Department: Campus Store  
Description: Sell computer manuals, software and supplies. Maintain accurate inventory andnt and implementation of computer sales and inventory system. Operate computerized cash register. Supervise/manage the department in the absence of the manager. Other duties as assigned. Monday -Friday, 8:30 a.m. - 5:00 p.m.; every third Saturday, 10:00 a.m. - 2:00 p.m.  
Requirements: Two years of college education or equivalent. Previous computer-related sales in a retail environment required. Ability to operate microcomputers such as IBM PC, DEC, Rainbow, Apple Macintosh and demonstration of applicable software such as WordPerfect, Microsoft Word and Multiplan. Good communication and interpersonal skills; previous supervisory experience preferred.  
Minimum Biweekly Starting Salary: \$397.60  
Job Number: S325

\*Position: Custodian, SO16  
Department: Statler Inn (Endowed)  
Description: Maintain Statler Hall in a high state of cleanliness. Provide custodial support services as directed by the Housekeeping Manager. 3:30 p.m. - midnight, 5 days per week, rotate weekends.  
Requirements: H.S. diploma or equivalent. Some custodial experience required, preferably in a commercial or industrial environment. Must be able to lift 50 lbs. and climb an 8' ladder.  
Minimum Starting Salary: \$4.84/hour  
Job Number: G111

Position: Groundsworker, SO18  
Department: Physical Education & Athletics - Endowed  
Description: Mowing, seeding, fertilizing, irrigation of green and tees to specifications; change pin placements, rake traps and perform tree maintenance. Perform routine maintenance of athletic fields such as mowing, seeding, fertilizing and marking out various athletic fields (football, soccer, field hockey and lacrosse). Maintain all athletic related equipment (sleds, baskets, goals). Set-up and take down for athletic events; general clean up afterwards.  
Requirements: High school diploma or equivalent. NYS Class 5 drivers license required. Previous experience with natural turf maintenance required; working knowledge of power equipment pertaining to the game of golf. Must be able to lift 100 lbs.  
Minimum Starting Salary: \$5.41/hour  
Job Number: G109

## 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 imal health technicians.

\*Position: Technician, GR20  
Department: Horticultural Sciences - Geneva, NY  
Description: Provide technical support in vineyard planting, maintenance and harvest operations in a project to evaluate new wine and table grape selections on a statewide basis. Assist in data collection and compilation. Input into computer files. Full-time until 12/31/86.  
Requirements: Bachelor's degree in agriculture, plant science, pomology or related area preferred, or equivalent experience. Viticultural skills, farm experience and familiarity with computers for data collection and analysis preferred. Valid driver's license required.  
Minimum Biweekly Starting Salary: \$468.29  
Job Number: T111

Position: Computer Operator II, GR22  
Department: Cornell Computer Services, Academic Computing  
Description: Operate all mainframe and/or minicomputer equipment and all peripherals within a terminal facility; answer basic questions based on a working knowledge of IBM 3081, 4341, and DEC2065. As well as answer routine questions based on hardware within the terminal facility. Monday - Friday, 7:30am -4:00pm.  
Requirements: Associate's degree or equivalent in computing. 1 year of related experience, preferably at Cornell. Working knowledge of Cornell's computer systems including major revisions of packages supported by CCS. Good interpersonal, communications skills and organizational skills. Strong computery March 28, 1986.  
Minimum Biweekly Starting Salary: \$524.21  
Job Number: T106

Position: Technician, GR22  
Department: Agricultural Engineering  
Description: Provide technical support in the examination of the kinetics of apple pomace conversion to soluble products. Design and construct models; conduct and analyze experiments; prepare reports based on experimental

wor; interface computer systems for date storage and analysis; use and maintain analytical equipment; maintain the laboratory.

Requirements: Bachelor's degree or equivalent experience in engineering or related sciences. One year's experience in wet chemistry analysis, operation of gas chromatography instruments, solids analysis, automatic scales, and complex laboratory equipment; use of computer data storage and analysis; some experience in conducting biological experiments with bacteria preferred. Apply by March 28, 1986.  
Minimum Biweekly Starting Salary: \$524.21  
Job Number: T103

Position: Technician, GR21  
Department: Veterinary Medical Teaching Hospital  
Description: Peform diagnostic tests in hematology, cytology, coprology, urinalysis, microbiology, and chemistry sections of Clinical Pathology laboratory. Operate and maintain equipment pertinent to each section. Participate in an on-call coverage system for off hours and holiday emergency testing. Use computer for specimen accession, date entry and information retrieval. Monday - Friday, 3:00pm - 11:00pm.  
Requirements: Associate's degree in medical technology required. Bachelor's degree in medical technology, ASCP certification preferred. One year's experience in clinical laboratory with emphasis on hematology and/or microbiology preferred.  
Minimum Biweekly Starting Salary: \$497.40  
Job Number: T104

Position: Technician, GR19  
Department: Food Science  
Description: Perform a variety of microbiological and chemical techniques on milk and dairy products collected from public school cafeterias, supermarkets and processing plants. Visit schools to monitor quality of product offered for sale and assist in improving milk handling practices which affect quality.

Requirements: Bachelor's degree or combination of education and experience with dairy products and laboratory analysis. Experience with basic lab equipment such as pH meters, autoclaves, incubators and spectrophotometers. Familiarity with dairy chemistry and dairy microbiology helpful. Some experience with computers useful. Apply by March 28, 1986.  
Minimum Biweekly Starting Salary: \$443.78  
Job Number: T102

Position: Research Assistant I  
Department: Boyce Thompson Institute -Contact department directly (See Below)  
Description: Insect Virology Laboratory: Perform experiments involving recombinant DNA, DNA extractions, nucleic acid hybridizations, protein synthesis and construction of plasmid vectors. Responsible for maintaining tissue culture cells, preparing bacterial and tissue culture media and supervising a lab technician.  
Requirements: Bachelor of Science degree or equivalent experience. Lab experience, particularly in molecular biology, desirable.  
Minimum Starting Salary: \$11,600  
Contact: Dr. Alan Wood or Dr. John Burand, Boyce Thompson Institute, 257-2030

Position: Production Controller, GR21  
Department: Computer Services  
Description: Insure a timely and efficient flow of assigned work through the main computer systems, and maintain quality and accuracy in meeting the Administrative Data Processing schedules. Full-time, regular, shift work and some weekends.  
Requirements: Associate's degree in data processing or equivalent experience. Some related operations experience helpful. Basic knowledge of MVS/JCL, CMS preferred. Please send cover letter and resume to Cynthia Smithbower by March 21, 1986.  
Minimum Biweekly Starting Salary: \$497.40  
Job Number: T091

## Part-time

\*Position: Research Support Specialist I  
Department: Human Development and Family Studies  
Description: Provide support to professor's research on Asian/American studies project. Library research; summarize, edit and evaluate pertinent literature; some fiscal monitoring; attend committee meetings and provide written summaries; maintain records. Part-time, regular until 6/30/87.  
Requirements: Bachelor's degree or equivalent combination of education and experience. Minimum 2-3 years of experience in position requiring evaluation and editing of written materials. Administrative experience helpful. Please send cover letter and resume to Esther L. Smith by March 31, 1986.  
Job Number: PC114

\*Position: Animal Technician, GR18 (Correction)  
Department: James A. Baker Institute for Animal Health (Veterinary Microbiology)  
Description: Provide care (feed, water, clean and monitor) for small research animals (canines and rodents) following strict protocols for sterile or disease control environments and regulations for animal welfare. 24 hours weekly to include weekends.  
Requirements: H.S. diploma or equivalent. Experience with a variety of laboratory animals and animal breeding preferred. ALAS certification helpful. Pre-employment physical required. Must be able to lift up to 11um Bi-weekly Starting Salary: \$257.76  
Job Number: G101

\*Position: Technical Sales Assistant, GR17  
Department: Campus Store  
Description: Sell computer manuals, software and supplies. Maintain accurate inventory and assist in development and implementation of computer sales and inventory system. Operate computerized cash register. Other duties as assigned. Monday - Friday, 8:30 a.m. - 12:30 or 1:00 p.m.; Saturdays 10:00 a.m. - 3:00 p.m.  
Requirements: Two years of college education or equivalent. Retail experience preferred. Ability to operate microcomputers such as IBM PC, DEC, Rainbow, Apple Macintosh, and demonstration of applicable software such as WordPerfect, Microsoft Word, Multiplan. Good communication and interpersonal skills.  
Minimum Biweekly Starting Salary: \$255.00  
Job Number: G112

Position: Office Assistant, GR18  
Department: Rural Sociology  
Description: Assist Leadership Institute Director in making local workshop arrangements. Process materials for use in leadership workshops and other activities of the Institute; prepare mailing lists; direct mail campaign; type; develop and maintain files and other records; record meeting minutes. Other duties as assigned. Monday - Friday, 8:00 a.m. - 12:00 noon, until June, 1987.  
Requirements: H.S. diploma or equivalent; business or secretarial school desirable. Minimum 1-2 years of secretarial experience preferred. Some skill in use of word processor preferred.  
Minimum Biweekly Starting Salary: \$214.80  
Job Number: C101

## Temporary

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

\*Position: Temporary Collection Representative Positions)  
Department: Bursar  
Description: Perform duties involved in the collection of delinquent student loan accounts. Duties include researching student loan accounts, 'skip tracing', initiating telephone and written communication with delinquent loan accounts, making suitable repayment arrangements with delinquent borrowers. Tuesday, Wednesday, Thursday, 5:00 p.m. - 9:00 p.m.  
Requirements: H.S. education or equivalent. Ability to effectively communicate via the telephone and letter. Person must be self-assured and possess the maturity to effectively present the University's position with diplomacy and tact. Commercial collection experience preferred. Please send cover letter and resume to Esther L. Smith by April 4, 1986.  
Job Number: C111

\*Position: Temporary Inventory Clerks  
Department: Campus Store  
Description: Accurately count and record totals of all Campus Store merchandise and supplies for annual inventory. One day only, March 26 from 8:00 a.m. - 5:00 p.m.  
Requirements: H.S. diploma or equivalent. Ability to count and record accurately. Please apply in person at the East Hill Plaza Employment Office, 9:00 a.m. - 12:00 noon by March 25, 1986.  
Minimum Starting Salary: \$3.75/hour  
Job Number: G113

Position: Temporary Data Analyst  
Department: Cornell Institute for Social and Economic Research (CISER)  
Description: Provide support to the CISER Survey Research Facility relating to the operations for survey research projects. Assist in the training and overseeing of students and part-time employees performing interviews and data entry. Some interviewing and data entry/coding as needed. Shift supervisor on telephone surveys. 20-30 hours per week for three months, with possible extension.  
Requirements: Bachelor's degree in social science or equivalent experience. Demonstrated ability and experience in project coordination. Experience with data entry and data management applications on mainframe or microcomputers; research and survey research methods desirable; basic knowledge of quantitative methods and statistical analysis. Requires good organizational skills and attention to detail, good typing skills. Willing to work nights and weekends if needed. Submit cover letter and resume to Cynthia Smithbower by March 28, 1986.  
Minimum Starting Salary: \$7.50/hour  
Job Number: T105

Position: Temporary Computer Operator  
Department: School of Hotel Administration  
Description: Provide technical assistance for hardware and software on the WANG computer to approximately 45 users. Perform routine mainframe computer operations and system maintenance such as back-ups and reports. Respond to phone inquiries on technical support and routine activities. Monday -Friday 9:00 a.m. - 3:00 p.m. (20-25 hours per week) until September 1, 1986.  
Requirements: Knowledge of routine maintenance for computers, including troubleshooting, preventive maintenance and set-up. Knowledge of word processing and concepts is desirable. Submit cover letter and resume to Cynthia Smithbower by March 28, 1986.  
Minimum Starting Salary: \$6.00/hour  
Job Number: T108

Position: Temporary Gardener (Two positions)  
Department: Cornell Plantations  
Description: Assist in the planting and maintenance of the botanical gardens of Cornell Plantations. Activities involve primarily site preparation and planting, and are physically demanding. 7:00 a.m. - 3:30 p.m. Monday - Friday, starting when weather permits. 8 month position.  
Requirements: Two year degree with major in horticulture or nursery management or equivalent gardening or landscaping experience mandatory. Ability to identify a wide range of both herbaceous and woody plants, and familiarity with their cultural requirements desirable. NYS driver's license required, ability to lift 100 lbs. Apply in person at the East Hill Plaza Employment Office, 9:00 a.m. - 12:00 noon daily, by March 24, 1986.  
Minimum Starting Salary: \$4.00/hour (includes benefits)  
Job Number: G1010

## Academic

Please contact department directly.

\*Position: Assistant Professor, Systems Physiologist  
Department: Physiology, NYS College of Veterinary Medicine  
Contact: Dr. R.H. Wasserman, Chairman, Department of Physiology, NYS College of Veterinary Medicine, Cornell University, Ithaca, NY 14853  
Job Number: A111

\*Position: Temporary Professorial Level (Board Certified Internist)  
Department: Clinical Sciences - NYS College of Veterinary Medicine  
Contact: Dr. A. deLahunta, Chairman, Dept. of Clinical Sciences, NYS College of Veterinary Medicine, Cornell University, Ithaca, NY 14853  
Job Number: A112

\*Position: Professorial Level Faculty  
Department: Pharmacology - NYS College of Veterinary Medicine  
Contact: Dr. Geoffrey W.G. Sharp, Dept. of Pharmacology, NYS College of Veterinary Medicine, Cornell University, Ithaca, NY 14853  
Job Number: A113

\*Position: Extension Associate III (Curriculum Design -Informal Elementary Science Education)  
Department: Cornell Plantations  
Contact: Julie Shattuck, Cornell Plantations, One Plantations Road, Ithaca, NY 14850 - (607) 255-9865  
Job Number: A114

## Student Election Turnout Is Heavy

Voter turnout in this year's student elections was unusually heavy Tuesday with 2,079 ballots cast, compared to 1,502 cast last year during the first day of the two days of balloting.

Cristen Gardner, administrative supervisor of the Office of the Assemblies, estimated Wednesday morning that the voter turnout might exceed 30 percent by the time the polls closed for undergraduate students at 8 p.m. Wednesday

Graduate students vote by mail, with the deadline for returning ballots set at 4 p.m. Friday.

This year, nine students are vying for a seat on the University Board of Trustees; eight referenda, and 20 student assembly seats also will be decided.

Results will be announced in early April.



## The Week in Sports

## Hockey Heads for Denver; Spring Teams Scatter

Spring is on the way and several Cornell teams will usher in the warm weather season when they travel to compete over spring break. Some teams will have plenty of warm weather as they travel abroad while others will stay closer to home.

Winter sports are still with us in the form of men's hockey. The team will also be on the road this weekend to play in the NCAA quarterfinals. The Big Red will be in Denver to skate against the University of Denver Friday and Saturday in the opening round of the national championships. Game time for both contests is 7:30 p.m. Mountain Standard Time, 9:30 p.m. Eastern Standard Time.

In a season filled with overtime games, it seemed only appropriate that the Big Red men's hockey team went the "extra" period in both games to win its first ECAC championship since 1980. Cornell defeated Yale 3-2 in double overtime on Friday to advance to the finals on Saturday evening against Clarkson. Sophomore Doug Dadsell turned in an amazing performance against the Elis, making 57 saves. Senior wing Duanne Moeser, who is the eighth-leading scorer in the country on the basis of points per game, tallied the game-winning goal at 1:44 of the second overtime off a pass from sophomore center Joe Nieuwendyk. Freshman wing Chris Grenier was the hero in the title game when he scored the decisive goal 8:26 into overtime. Dadsell was again spectacular in Cornell's 3-2 championship victory over the Golden Knights, and he was named the MVP of the tournament. This weekend's two-game series with the University of Denver will be decided on a total goals scored basis.

The men's baseball team will be in Califor-

nia to play in a series of games. Cornell will play Eastern Connecticut in a double-header at San Diego Friday then meet Point Loma College in another twin-bill on Saturday. The team will then travel north to Riverside, where it will face Oregon State for single games on both Sunday and Monday. On Tuesday, the Big Red will play Tulane at 11 a.m. then faces Claremont Mudd-Scripps in an afternoon game. The Big Red will play two more games in Riverside on Wednesday against the University of Washington at 11 a.m. and Brigham Young at 7 p.m. Six of the contests are part of the prestigious Riverside Tournament.

The men's lacrosse team won't have to go as far. The Big Red will open its Ivy League season Saturday in Cambridge when it takes on Harvard at 1 p.m. The squad will head south the next day for a week of training in the Baltimore area. The squad also plays against the Mt. Washington Lacrosse Club on Wednesday night and Maryland-Baltimore county Saturday afternoon.

After successful indoor seasons, the men's and women's track teams will get ready for the upcoming outdoor campaign with a triangular meet against University of North Carolina and William and Mary at Chapel Hill.

The men's and women's tennis teams will be heading west to compete over the break as well. The men's squad will be in San Diego to face the University of Montana Sunday morning and the University of Washington later in the day. On Monday, the Big Red will play U.S. International at Morley Park. The squad meets the University of Nevada at Reno Tuesday. Meanwhile, the women's team will play the University of Montana

Sunday in La Jolla as part of its excursion.

Florida is the destination for the women's lacrosse team, which leaves for the Sunshine State on Sunday for the American Lacrosse Camp in St. Petersburg. Twenty-seven players will be making the trip, which will feature an exhibition game vs. Denison. The camp is staffed by national team players coaches. The Big Red will receive instruction from the staff during the first two days, then the varsity will begin preparation for its Ivy League opener against Yale, which is scheduled for March 29.

The men's soccer team will be tested by some of the best teams in Jamaica as it gets set to make a special trip abroad. The Big Red will depart on the 10-day journey Friday and will stay in Ocho Rios. The group will be divided into two teams which will each play four separate games during their stay.

Head baseball coach Ted Thoren welcomes back a strong nucleus of returnees this season. Lefthanders Rich DeSa and Larry Brown look to anchor a talented pitching staff. From the right side, Thoren can call on senior Gary DiGiuseppe, senior Chris Sheehan or sophomore John O'Connor. Freshmen pitchers include Scott Malaga, Mike Maloney and Robert Deans.

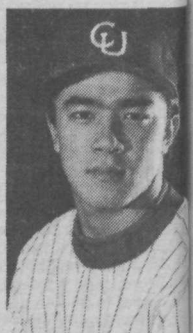
Junior Beau Netzer is a strong candidate for duty behind the plate, while junior Mark Smith will make the move from shortstop to first base. Veterans Joe Darlak should start at third and junior Bob Dipipi will hold down a spot at second base.

The outfield will be manned by senior Joe Cossu, sophomore Eric Olson and sophomore Alan Rapfogel. Newcomers Joe Toscano and Mike Thomas could also contribute among the outfield corps.

The Big Red lacrosse team is 1-1 on the



BARBARA PRINS  
Tennis



RICH DeSA  
Baseball

year after defeating Cortland (15-10) last Saturday.

Harvard is 0-1 on the year and trails in series with Cornell, 43-15. The Big Red last season its game in Ithaca, 10-7.

The men's tennis team lost its first two matches of the 1986 campaign when it fell to Penn State and Boston University by identical 6-3 margins last weekend. Sophomore Bruce Jervis and junior Eric Cruz scored straight set victories vs. Penn State at the Nos. 2 and 3 positions, respectively.

Senior James Connolly, playing at the 1 position, won his match against Boston University, 6-4, 1-6, 6-2, while Tony Gioia and Joe Tustin won in straight sets that afternoon.

After winning its second straight New York state championship last fall, the women's tennis team looks for a successful season. Sophomore Barbara Prins is expected to be among the top players in both singles and doubles competition. Junior Anne Meinig was undefeated in singles last autumn and she paired with junior Len Levine to win the state doubles crown well. Sophomores Erin McPeak, Linda Naster and Carolyn Savage are expected to round out the Big Red's strong youth movement, along with freshman Andrea Sparks.

## Brief Reports

## Some Bus Services Suspended for Break

Service on the Blue Light and West Campus buses will be suspended the week of March 24.

The Blue Light Bus will provide service on its regular schedule through the evening of Friday, March 21. Evening service will resume at 6:30 p.m. Monday, March 31.

The West Campus Bus will also keep its normal schedule on Friday, March 21. Service will resume Monday, March 31.

The Blue Light Escort Service will suspend operation for the Spring Break with the close of the evening schedule Thursday, March 20. Escorts will be available Monday, March 31.

## Ombudsman's Report On Lynah Available

Copies of the report by the University Ombudsman regarding the Dec. 8 incident between Public Safety officers and students at Lynah Rink are available from the ombudsman's office or the office of William P. Gurowitz, vice president for campus affairs.

## Historian Norton To Talk in Indiana

Historian and Cornell trustee Mary Beth Norton will be a featured speaker this weekend at the sixth annual meeting of the Indiana Association of Historians at DePauw University. The conference, March 21-22, will concentrate on the history of higher education, gender issues, civil liberties, and fine arts in Indiana.

A member of the Cornell faculty since

1971, Norton is a specialist in early American history and the author of "Liberty's Daughters: The Revolutionary Experience of American Women, 1750-1800." Her topic at the IAH conference will be "'Wounded in Credit, Reputation, and Honor': Gender and Defamation in Seventeenth Century Maryland."

## Hydrant Flushing May Cause Cloudy Water

The flushing of fire hydrants on campus may cause drinking water to appear cloudy between Monday, May 5, and Friday, May 16. However, it will be safe to drink, according to Douglas Clark, manager of the Water and Sewer division of the university's Department of Utilities.

He said fire hydrants on campus will be flushed during this 12-day period on both the endowed and state campuses. The flushing takes place annually.

Customer service will notify building supervisors.

## Award-Winning Poet Wright to Read Works

Charles Wright, winner of the American Book Award for Poetry, will give this year's Robert Chasen Memorial Poetry Reading at 8 p.m. Thursday, April 3, in the A. D. White House.

Wright is the author of 12 books of verse including "The Other Side of the River," "China Trace," "Bloodlines," and "Country Music: Selected Early Poems." His work has appeared in The New Yorker, the Atlantic Monthly, Harpers, and the Paris Review.

## Operating Engineers Agree to Contract

Cornell and members of Local 71-71A of the International Union of Operating Engineers have reached agreement on a new contract.

Tentative agreement came at 4:30 p.m. Thursday, March 13, and was ratified by the membership in a vote one hour later. The current contract expired March 14.

Thirty-six employees in Cornell's central heating, chilled water, and water filtration plants are covered under the contract that runs through March 1988.

No details of the agreement were released by E. Peter Tufford, manager of employee relations at Cornell. He said the university is "pleased with the settlement and looks forward to continuing the cooperative relationship established between the two parties."

## Graduate Orientation Counselors Are Sought

Returning graduate students are being recruited to serve as volunteer Grad Advisors, assistants in the Graduate Student Orientation in the fall.

Students who volunteer to become part of this group work together to run orientation events and make new students feel welcome. Activities begin with a training meeting and lunch on Friday, Aug. 22, and end when the program is complete on Sunday, Aug. 31. On the average, volunteers devote 10 to 15 hours to the program.

The Dean of Students office at 103 Barnes

## Course Will Be Offered for Those Working Near Radioactive Material

A one-hour course for office workers and others working near radioactive materials will be offered, beginning next week, by the Office of Environmental Health.

"Living with Radiation: Answers to Your Questions" is a non-technical presentation, and includes information on background radiation exposures, medical X-rays, radon in "tight" buildings, video display terminals, radioactive materials handling at Cornell, and ways to minimize exposure. Also on the program will be a demonstration with a geiger counter and a film explaining the effects of radiation. vice president/president-elect of the Cornell

The training program is for those who do not work directly with radioactive materials, according to Jeanne Appling, toxicologist in the Office of Environmental Health. Users of radioactive materials already receive

Hall is accepting applications, or call 254-4222.

## Corporate Perspective On the Environment

Roger Strelow, vice president for corporate environmental programs for the General Electric Co., will speak at 4:30 p.m. Monday in 701 Clark Hall.

His topic will be "Environmental Liability: A Corporate Perspective."

Strelow is responsible for environmental protection and occupational health and safety policies for G.E. in the United States and internationally. He was a founding partner of the law firm Swidler, Berlin, Strelow and is a former assistant administrator for air and waste management at the Environmental Protection Agency.

## Foreign Students, Staff Have Tax Workshops

The International Student Office has arranged for representatives of federal and state tax offices to conduct special income tax workshops here for foreign students staff who have special tax-filing problems.

The representatives will not complete forms for individuals but will discuss the forms and answer questions.

Both sessions will be in the auditorium. Anabel Taylor Hall on Thursday, April 10, with the foreign student session from 9:10:15 a.m. and the foreign academic staff session from 10:30 to 11:45 a.m.

## Conable Named to World Bank

Former U.S. Rep. Barber B. Conable Jr. (R-NY) was nominated last week by President Reagan to head the World Bank. Conable was the senior Republican on the House Ways and Means Committee before he retired in 1984 after 20 years of service.

Conable, who earned his bachelor's (1943) and law (1948) degrees from Cornell, has been serving as a Distinguished University Professor of government at the University of Rochester. Last April, he was the 1985 Clark Fellow at Cornell and keynote speaker at the Entrepreneur of the Year Program sponsored by the Johnson School of Management.

The World Bank, a 149-nation organization founded 40 years ago, lends more than \$15 billion a year to underdeveloped coun-

tries. All members of the World Bank must vote on a successor to A. W. Clausen, but published reports expect Conable to be confirmed to a four-year term. All six past presidents of the bank have been Americans.

As an undergraduate, he played freshman football, track, rugby, and varsity soccer, and was a member of Quill and Dagger and Red Key. In law school, he was editor-in-chief of the Cornell Law Quarterly.

Since graduation, Conable has been an active alumnus, including service on the Cornell University Council (1966-71). Both his parents, two brothers, and one daughter attended Cornell; his wife, Charlotte, class of 1951, is a former university trustee and the author of "Women at Cornell: The Myth of Equal Education."



# Networking

A Cornell Newsletter Published by Employees for Employees

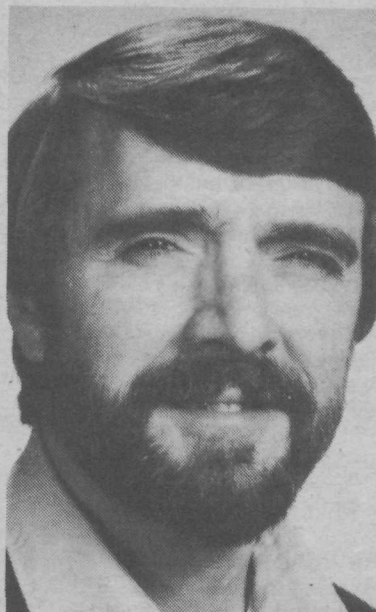
Volume 7, Number 2

Thursday, March 20, 1986

## Employee Assembly Candidates Ask for Your Support



Judy McPherson



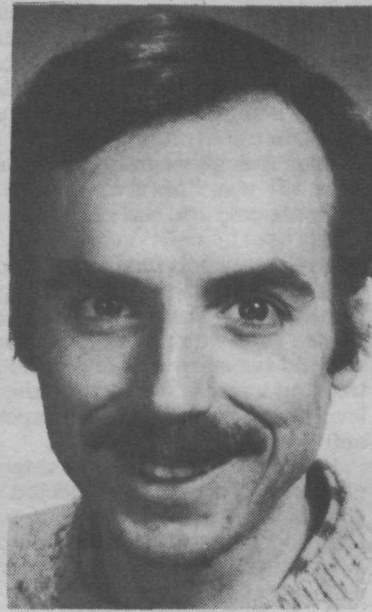
Dean L'Amoreaux



Kris Miller



Dorothy Reddington



William R. Staffeld

### Judy McPherson Statutory Exempt

I came to Cornell as an employee in 1965. In 1977 I was classified exempt. Presently I am an administrative supervisor and assistant to the director of the Veterinary Medical Teaching Hospital. Last fall I welcomed an opportunity to experience the inner-workings of the Employee Assembly. I was seated in December and have had only three months to gain a foothold. I now know what a very important "team" this is... fellow employees working together with top university administrators for you, the university, and me. Our EA, a powerful team on which I am proud to serve, is involved in the university policy decision making process affecting all of us. If you have needed assistance in effecting a change within the Cornell community, work place, employee programs, benefits, etc., the EA is an excellent place to begin. State College employees have been reluctant to become involved. Serving as your EA representative, I would like to encourage you to join me by participating in decision making processes affecting everyone; meetings are open to all employees and are held the first and third Wednesday of every month. If I can assist you in any way, or you would like to know more about EA, please contact me. Thank you for your support.

### Dean L'Amoreaux Statutory Nonexempt

Article 2: The Employee Assembly shall explore opportunities to enhance the role, function and contribution of employees to the well-being of the University.....

As an employee representative I would continue to strive for employee involvement in the decision-making policies of the University. In my twenty-two years at Cornell, I have seen and felt many changes of policy but none so great as an opportunity to serve so diverse a constituency as the statutory nonexempt employees. I look forward to the next two years as an opportunity to help further enhance the quality of life for all at this great institution.

\*\*\*Charter of the Assembly of Cornell University\*\*

I have been employed at the Department of Avian and Aquatic Animal Medicine in the College of Veterinary Medicine for the past 8 years as a technician. Prior to that, I worked at the radiation biology field lab on Warren Rd.

### Louise D'Amico Geneva- At-Large

(No Photograph Available)

As a nonexempt employee of Cornell for eighteen (18) years, starting out as a temporary service employee and working step-by-step to my present position as administrative aide at Buildings &



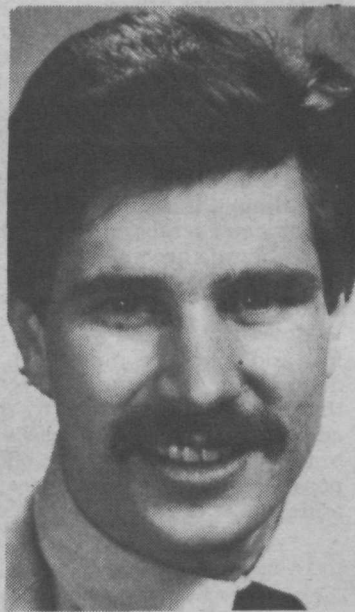
Donna Vose



Esther Roe



Vincent Fuchs



Dwight Widger

Properties, Geneva Experiment Station, I believe I know what other Cornell employees want as employees.

Serving as a nonexempt employee senator from 1971 through 1976, I had the opportunity to be involved in many personnel policy changes which enhanced the position of all Cornell employees from 1971 to the present. Among these were the present grievance procedure and personal leave policy; changes in fundal leave, number of holidays, more vacation for over ten years of service; regular updates of the personnel manual and making it available to all employees (not just supervisors); the present "job posting" policy; and numerous other policies that were reworded to benefit the employee.

If I am elected to the Geneva-At-Large seat, I hope to again serve the whole Cornell Faculty as I did when I was a nonexempt employee senator.

### Kris Miller Endowed Exempt

Director, Human Relations Training Program

I am especially interested in working with the Employee Assembly in the following ways:

Supporting the continued development of sensitivity, skills and policies to address issues of race, gender, class, sexual orientation, physical ability, and ethnicity.

Developing forums to discuss areas of employee concern typically unaddressed; for example, how to deal with conflicts of interest between individual values and ethics and institutional policies and practices.

Helping the community to develop nonpunitive systems of dealing with conflict and mediating disputes, and to better inform employees about those already in existence.

Developing systems for two-day performance appraisals to ensure feedback, accountability and growth of

professionals at all levels, rather than solely from supervisor to supervisee.

Broadening my awareness of employee concerns beyond my personal special interests.

### Dorothy Reddington Endowed Exempt

Associate director of the Cornell Fund, a division of University Development. Duties include organizing reunion campaigns and senior class gift, developing publications and phonathons, general administration. Current member of the extramural education committee. Ithaca resident. Before coming to Cornell worked in libraries and continuing education.

My work gives me the opportunity to see the needs of many parts of the University and to value the importance of communications among diverse elements. I feel that the Employee Assembly provides a vehicle for improving that communication.

### William R. Staffeld Endowed Nonexempt

William R. Staffeld, age 34, married with two children residing in Ithaca. I have been employed by Cornell since May, 1984 as a photographer-technician in the College of Architecture, Art & Planning. My previous work experience includes twelve years in photography and graphic arts.

Given Cornell's size and influence, we as members of the University community must act as participants in its evolution and growth. The effects of new technology, new facilities and changes to the physical and aesthetic integrity of the existing campus concern all of us. This perception is interwoven with the need for continual communication among employees, administrators and students. (Every new project and policy implemented by the University

potentially effect the capacities of people and environment.) Furthermore, as in any large institution the rights and privileges of its members must be protected, and the important social issues (that concern all of society), addressed.

### Donna Vose Endowed Nonexempt

Cornell University is a very important part of my life. Why? I have been employed at Cornell for 8 1/2 years, the past 6 1/2 years as an administrative aide at the School of Hotel Administration; my husband has worked for the past 38 years at General Stores. I am a strong supporter of the Cornell Recreation Club and have served as its public relations/membership chairperson for the last 3 years. As an endowed, nonexempt employee who has many concerns about retirement, job security and benefits, I would like a voice in these decisions. Your vote for me will give you a dedicated and loyal representative who will speak out for our mutual concerns.

### Esther Roe Endowed Nonexempt

I am Esther Roe. I would like to represent you in the Employee Assembly. I have a varied background which should enable me to do a great job.

I have worked for Cornell for 7 years - 5 1/2 years in Personnel and the last 1 1/2 years as the personnel assistant in the Department of University Health Services. Prior to coming to Cornell I was a teacher for 7 years, worked as a salesperson and learned basic accounting. I graduated from college with a BA in psychology and education.

While at Cornell I have actively participated in many activities. I am a member of the University personnel policies committee and the extramural

Continued on fourth page



## Life Safety Lines

## The Dangers and Preventions of Hypothermia

With spring approaching and the renewal of increased outdoor activities, hypothermia is an appropriate subject for safety discussion.

As the warmth of the sun increases, ice on local lakes and ponds loses its ability to support our weight during skating, hiking, or ice fishing pursuits. Great care should also be exercised by early boaters and fishermen.

Even though we may experience warm days, the water of creeks, ponds, and lakes are cold and will remain so for some time.

A recent report cited an instance in which two teenagers were riding a three-wheeler on a local lake when suddenly the ice gave way and plunged the vehicle and the two stunned riders into the freezing waters. Fortunately the lake level was down and they escaped injury and possible hypothermia.

Hypothermia is most prevalent in the elderly who might be subjected to the cold as a result of disorientation or improper dress, or persons submerged in extremely cold water as a result of a skating accident.

Under certain circumstances any individual can become hypothermic, but certain groups are particularly susceptible to accidental hypothermia.

Cold water immersion: Several factors contribute to immersion hypothermia. Water temperature is the most important. Heat loss in water is roughly 25 times that of heat loss in air of the same temperature.

Although it is difficult to determine an exact water temperature at which hypothermia becomes a possibility, it can occur generally in water temperatures below 77 F.

Movement in cold water increases heat loss and is not recommended. Movement disturbs the surrounding layer of clothes that has become warmed by the body. In addition, movement increases blood flow to the extremities. As little effort as possible should be used in keeping afloat, a life jacket or some floating aid often

becomes critical to survival from hypothermia.

Cases have been documented of complete recovery from complete cardiopulmonary arrest in victims submerged for periods of greater than 30 minutes. A cold water drowning patient should never be declared dead until he fails to respond to CPR after warming. Rescue teams and persons first on the scene should maintain CPR and advanced cardio-life support vigorously until the patient is rewarmed.

Treatment: A very slow rewarming of the body is the generally accepted treatment for acute hypothermia. There are three basic types of rewarming approaches.

1. Passive rewarming - This method simply involves placing patients in a warm room, covering them loosely with a sheet or blanket, and allowing them to rewarm through their own heat production.

2. Active external rewarming - This method involves the active application of heat to the external surface of the body. Some techniques employed include thermal blanket, heat water bath, and heat packs applied to the areas of high heat transfer.

3. Active core rewarming - This method involves delivering heat primarily to the body core or central circulation. The concept is that if the heart and brain to warm first, their control of the body's ability to produce heat will begin.

It should be noted that there are certain advantages and disadvantages to each of these techniques. The more important point is for rescuers to continue CPR until a qualified doctor or EMT advises otherwise. Further information regarding hypothermia, its symptoms and treatments are available at Life Safety Services.

A special thanks to Jeff Blodgett for his assistance in this article.



## Adult Children of Alcoholics

In recent years, there has been an increasing awareness of alcoholism as a disease and in research on this problem. It is becoming more apparent how many peoples' lives are touched by alcoholism. According to current estimates, there are about ten million alcoholics in this country, about one in ten adults.

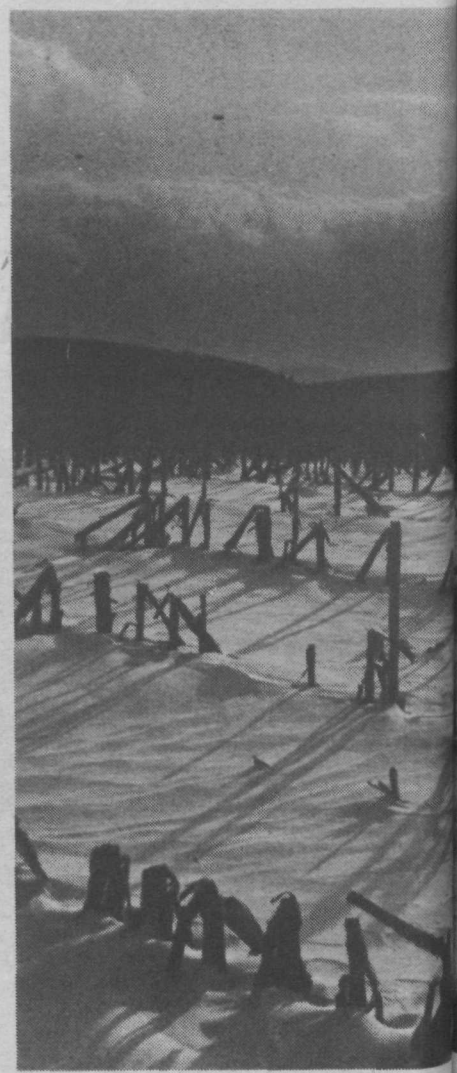
Most of the popular interest has been focused on alcoholics themselves; less attention has been paid to the effects alcoholism has on the family. Yet every alcoholic profoundly affects the lives of those close by. If you grew up in an alcoholic home, you were caught up in the emotional illness around you. In addition to being at higher risk for alcoholism yourself and for marrying an alcoholic, you are likely to have in common with other adult children of alcoholics certain characteristics:

1. You guess at what normal behavior is.
  2. You have difficulty following a project through from beginning to end.
  3. You lie when it would be just as easy to tell the truth.
  4. You judge yourself without mercy.
  5. You have difficulty having fun.
  6. You take yourself very seriously.
  7. You have difficulty with intimate relationships.
  8. You overreact to changes over which you have no control.
  9. You constantly seek approval and affirmation.
  10. You feel that you are different from other people.
  11. You are either super-responsible or super-irresponsible.
  12. You are extremely loyal even in the face of evidence that the loyalty is undeserved.
  13. You are impulsive. You tend to lock yourself into a course of action without giving serious thought to alternative behaviors or possible consequences.
- Growing up in an alcoholic home has been likened to living with an elephant in the living room when no one acknowledges that the elephant is there. Everyone has to maneuver around it, clean up after it, etc., but no one talks about it. Living with alcoholism when everyone pretends it's not tates an equally crazy air of unreality.

While the patterns learned in an alcoholic home are deep-seated, they can be altered, with awareness and a willingness to change. A book on issues of children of alcoholics can give you insight and help get you started; seeing a counselor may give you the extra objectivity and support necessary to make changes. A group setting is often the best for learning about child-of-alcoholic issues. Al-Anon or groups led by trained counselors are both excellent resources.

The Cornell Employee Assistance Program (EAP) can provide you with information about lith adult children of alcoholic issues. The EAP also provides free, short-term, confidential counseling for help in this area or any other in which you are experiencing problems. Call us at 273-1129.

\*From Adult Children of Alcoholics, by Janet Woititz.



## Modern Western Square Dance Lessons to be Offered

Have fun, meet new friends, and get lots of great exercise all at the same time! Come to modern western square dance lessons beginning Thursday, March 20th, from 7:30 to 9:30 pm, 139 W. State Street (Elks Club bldg). Your first lesson is free! For more information call: Jim or Mary Linton, 277-3998 evenings.

## Employee Elections

All ballots will be mailed on March 19 and must be returned to 165 Day Hall by April 7.

## Tax-Deferred Plan Meetings

March 25, 9 to 10 a.m., 101 Warren Hall; 1:30 to 2:30 p.m., Hollis Cornell Auditorium.

March 26, 9 to 10 a.m., 145 Warren Hall; 1:30 to 2:30 p.m., Hollis Cornell Auditorium.

## Photo Contest Reminder

If you plan to enter Networking's fourth annual photo contest you have until April 11, 1986 at 4:00 pm to deliver your entries to Nancy Hutter at 607 Clark Hall or Sigrid Peterson at 122 Lincoln Hall. If you would like to enter but need a copy of the rules, call Donna Updike at 4429.

The reception to present prizes and announce winners will be June 11 at 12:00 in the John Hartell gallery. The exhibition of photos will be in the gallery from June 9 through June 27.

The family of Twyla Perkins send their sincere thank you for all the flowers, cards, food and most of all the support of our family and friends.

Dewitt "Toad" Perkins  
Ernest Perkins  
Deb & Ed Parker  
Dave & Kathy Perkins  
Amy & Bill Richards  
The Humphrey Family &  
The Perkins Family

## Exercise and Longevity

A continuing study of 17,000 Harvard alumni indicates that moderate exercise can significantly increase life expectancy. According to the study, which appears in the latest issue of The New England Journal of Medicine, men who participated weekly in activities such as walking, stair-climbing and sports that used 2,000 calories or more had death rates one-quarter to one-third lower than those in the study who were least active. Furthermore, the death rate of older alumni who participated in the most activity was half that of those who were least active.

## How calories are used by a 154-pound person

Activities	Calories per hour
Strolling at 1 mph	120-150
Level walking at 2 mph	150-240
Level cycling at 5 mph	240-300
Mopping floors	300-360
Bowling	360-420
Tennis (doubles)	420-480
Raking leaves or hoeing	480-600
Disco dancing	600-660
Roller skating	More than 600
Downhill skiing (light)	
Splitting wood	
Shoveling snow	
Basketball	
Jogging at 5 mph	
Running at 5.5 mph	
Cycling at 13 mph	
Competitive squash	
Cross country skiing at 5 or more mph	

Source: American Heart Association

## Networking Deadlines

## 1986 Deadlines

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  
August 25 for September 4  
September 8 for September 18  
September 22 for October 2  
October 6 for October 16  
October 20 for October 30  
November 3 for November 13  
November 17 for December 4  
December 8 for December 18  
(holiday issue)



## CRC News

### Cornell Recreation Club

By Donna Vose

The brown bag lunch on Wednesday, February 25 was an informal discussion about CRC. Those ambassadors that were able to attend, a big thank you.

Your building ambassadors have received information on CRC events that should appear in a designated area in your building. If you do not have an ambassador or do not know who your ambassador is, please contact Peggy at the CRC office, 5-7565.

If you have not purchased your tickets for the roast beef dinner/dance - today, March 20, is your last day. There's a limited number of tickets - so call the CRC to make sure there are still some available. The roast beef dinner/dance will be held Saturday, March 29, at the Dryden VFW. At 6:00 there will be a cash bar; 7:00 dinner will be served and at 9:00 dancing to the music of Flight VIII (the same band that played at the Christmas dinner/dance). All this for \$10.00 a person and the event is a fund raiser for the CRC park. See you there!

The Scotch doubles bowling tournament and steak dinner will be held Saturday, April 19 and Sunday, April 20 at Helen Newman lanes. \$15.00/couple includes prizes, bowling, and steak dinner for two. Bowling times are set for 1:00, 3:00, or 5:00 on either day. Sign up for a start time when you register. Call the CRC office and sign up for the

bowling alley. April 10th is the deadline.

The annual CRC family picnic will be held on Saturday, June 7, at our CRC park. Admission is free to all members. Mark your calendars, so you don't miss out on the fun.

The deep sea fishing trip will be held on June 13-15. The trip will begin on Friday evening, leaving Ithaca by bus and heading to Seabrook, NH where you will meet the boat early Saturday morning. An entire boat has been chartered so there should be plenty of elbow room along the rails for fishing. On Saturday evening, after a full day of fishing, the group will stay over at the Best Western Seabrook. The bus will start back on Sunday morning arriving in Ithaca at approximately 5:00 pm. The price is \$100.00 per person, double occupancy, and includes bus, boat, bait, rod rental, motel, beer, and "eats." You must sign up for this trip in the CRC office. A deposit will hold your reservation. Final payment is due by May 15.

Plans are being completed for the Toronto trip. It will be August 14-17 and will include CNE, Ontario Place, dinner/theatre, science center, plus much, much more. More details later.

A trip to Disney/Epcot Center in Florida is being planned for late December or early January. Details later.

own Danby" by Carol A. Thurnheer

## Leadership Leads

### Halley's Comet

Have you ever told something to an employee you supervise and then been amazed at how differently, from what you intended, that message was heard?

That experience is not unusual. Some research in downward communication indicates that each time a message goes one level lower, a 25% distortion occurs. This tendency is illustrated in the following story:

Operation Halley's Comet  
A colonel issued the following directive to his executive officer:

Tomorrow evening at approximately 2000 Halley's comet will be visible in this area, an event which occurs only once every 75 years. Have the men fall out in the battalion area in fatigues, and I will explain this rare phenomenon to them. In case of rain, we will not be able to see anything, so assemble the men in the theater and I will show them films of it.

Executive office to company commanders:

By order of the colonel, tomorrow at 2000, Halley's comet will appear above the battalion area. If it rains, fall the men out in fatigues, then march to the theater where this rare phenomenon will take

place, something which occurs only once every 75 years.

Company commander to lieutenant:

By order of the colonel in fatigues at 2000 tomorrow evening, the phenomenon Halley's comet will appear in the theater. In case of rain, in the battalion area, the colonel will give another order, something which occurs once every 75 years.

Lieutenant to sergeant:

Tomorrow at 2000, the colonel will appear in the theater with Halley's comet, something which happens every 75 years. If it rains, the colonel will order the comet into the battalion area.

Sergeant to Squad:

When it rains tomorrow at 200, the phenomenal 75-year old General Halley, accompanied by the colonel, will drive his Comet through the battalion area theater in fatigues.

Suggestion: When giving important information or instructions to subordinates, be sure to check out that they got the same message that you intended to send by asking them to paraphrase back to you what they heard you say.

## Outsmoking the National Debt

What comes close to matching the national debt? According to the National Interagency Council on Smoking and Health, cigarette-induced medical costs in the USA from 1964 to 1984 exceeded \$930 BILLION. These costs are not borne by smokers alone. Everybody pays.

Increased insurance rates, increased cost of goods due to greater absenteeism and tax-supported public welfare programs are shared by everyone.

Smoking kills more Americans than any other personal health habit, or any other environmental hazard. The average 40-45 year-old male smoker of 2 packs per day will incur \$56,000 in EXTRA health-related costs. Through health insurance, each of us shares that cost.

And it costs employers. Companies are now beginning to realize that they can save money by investing in quit-smoking programs.

What's happening at Cornell to address the smoking PROBLEM? For starters there IS a smoking policy and a smoking commission to monitor the policy, to implement education programs and to make recommendations to help improve the environment related to smoking. In 1974, the Cornell Senate adopted a resolution prohibiting smoking in some campus facilities and recommending the establishment of nonsmoking areas in other places. In



1981, the Campus Council adopted a similar policy and established the Smoking Commission. The University Assembly is responsible to staff the commission.

The latest effort of the commission was to gain approval from President Rhodes for an amended version of the policy. It provides for a procedure for those who feel that they are being harassed by smokers. The commission also has been active in encouraging the placement of nonsmoking signs in appropriate places and the placing of the policy in the faculty and student handbooks and the personnel manual.

The commission accepts ideas, suggestions and concerns submitted by members of the University community concerning the policy. Commission members are:

Allene Hays, Chair  
Walter Lalor  
Jay Orear  
George Peter  
John Cisne

Mark Sorrells  
Bruce Rich  
Halden Field  
Deborah Dinse  
Michelle Kurz

## Focus on the Employee Assembly

### Geneva Employee Council Activities Highlighted

By Lynn Baker

As a member of the Employee Assembly as a member of the Geneva Employee Council, I would like to mention some of the accomplishments we at Geneva have been involved in.

On October 22, George Peter, the employee trustee for Cornell University visited Geneva and attended the meeting of the GEC. He was very informative and presented some helpful suggestions such as inviting guest speakers from Cornell such as Lee Snyder, Nancy Hicks, and others to attend other GEC meetings. Other ideas included publishing profiles of GEC members from time to time in the weekly Geneva Station calendar, presenting dedicated service awards for deserving employees here at Geneva, inviting future employee trustees to Geneva, and writing articles for Networking. Nancy Hicks and John Hartnett were able to attend a meeting last December which was very beneficial. A great deal of information was presented by Nancy and John on the recently implemented health insurance benefit package as well as the CP salary situation. As a result of this visit and exchange of ideas, GEC has been able to become involved in New Employee Orientation and is now working with Cornell to develop a program here at Geneva.

During February, vacated seats and newly elected officers for the Geneva Employee Council were filled and committees were formed for the coming

year. The committees will include a communication committee, lunchroom committee, education committee (presently working on reduced tuition courses at Hobart College in Geneva), nominations and elections committee (working on the employee recognition awards for Geneva employees), and a screening committee which will remain inactive for the time being. The education committee will be presenting a four-week course on learning the Macintosh personal computer. The session will begin March 26th. They are also working on a home gardening course on "How to Plan and Care for Your Garden" which will be conducted by an extension specialist.

As a member of the Employee Assembly, I have been actively serving on the personnel policy committee and am happy to report we have been working on policies and concerns of all employees - both at Geneva and Ithaca. Some of the areas presently under consideration are adding a statement to the employee transfer application form regarding the employees' right to not have their present supervisor contacted before obtaining an interview, the cost of the present health insurance package, incentives to deter the use of sick leave on a monthly basis, possible errors in accumulations of vacation and sick leave records, and providing records for the employee of their timekeeping after the timecards are handed in.

## Improvements in Voluntary Accidental Death and Dismemberment Plan

No one sets out to have an accident, but accidents do happen. The Voluntary Accidental Death and Dismemberment (VADD) Plan can provide financial relief in the event of accidental death or injury. The plan is voluntary because eligible employees elect to purchase the coverage for themselves and family members.

The VADD benefits are payable in addition to your other insurance coverage, individual or group. You and your family are protected 365 days a year, 24 hours a day, at work, at home, and on vacation. During 1985 the plan was amended to include the following improvements at no additional cost to participants:

Three categories were added to the list of covered losses	Benefit Payable
Covered Loss	the principal sum (amount of coverage)
Loss of speech and hearing	one-half the principal sum
Loss of speech or hearing	one-quarter the principal sum
Loss of thumb and index finger (of the same hand)	

Spouses may be covered at any age; the age 70 restriction was eliminated. Coverage for dependent children who are unmarried and full-time students may continue until age 25. Prior to the change the limit was age 23.

If you would like to learn more about VADD coverage, please contact Employee Benefits at 5-4128.



## Unclassified Ads

Please submit all unclassified ads to Networking Unclassifieds, 130 Day Hall. NO PHONE CALLS PLEASE!! The deadline for the April 3rd issue is March 24th. For our information, your name and campus phone number must be submitted with ads. All unclassified ads are free of charge to Cornell faculty, staff, and students.

FOR SALE: 1979 Concord mobile home, 14 x 70, 2 bdrm, 1 1/2 bath, washer/dryer, shed, freezer, lawn mower, patio cover. Set up in park 1 mile from Cornell, on bus route. 272-7756 evenings/weekends.

FOR SALE: 1974 Chevy Nova, 4 door, 350-V8, good gas mileage, some rust, runs very good, new tires, ready to go. \$300 or make offer. 898-3441 after 4:00.

FOR SALE: Two motorcycles: A Honda Passport, 1981, like new, 1000 miles, automatic clutch, electric start, \$600; A 1973 Honda CB100, excellent condition, 9,000 miles, 5 speed with sissy bar, \$200. Call 1-532-4309 or 5-2466.

FOR SALE: Beautiful reading lamps embossed yellow roses. Both for \$50. Glass candle sticks (circa 1905). Both for \$50. Emerson Radio, never used. \$20. Small radio, as is. \$5. Call 347-4721.

FOR SALE: Sanyo stereo radio dual cassette recorder. Great condition, AM/FM and shortwave radio, continuous play and synchro dubbing, AC or DC. \$75. Call Sue at 253-3766.

FOR SALE: Women's 3-speed bicycle, cc-skis, film screen record player, iron board, iron, vacuum cleaner, old fur coat, boys hiking boots (size 7). Ariena, 257-2030 or 277-0122.

FOR SALE: 1975 Datsun B210, in good running order but rusty, \$300. Ariena, 257-2030 or 277-0122.

FOR SALE: Jenny Lind baby crib,

maple finish, used one year, excellent cond. Asking \$100 for crib and mattress. Call Barbara at 273-7847.

FOR SALE: 1985 Camaro Z 28, t-tops, tilt wheel, AM/FM cassette, maroon and gold, 14,000 miles, mint cond. \$12,900. call evenings, 387-6357 or 272-3603.

FOR SALE: 1982 Ford EXP, red cloth interior, AM/FM cassette, new all season radial tires, new exhaust, complete tune-up, excellent cond. \$3,500. Call evenings, 387-6357 or 272-3603.

FOR SALE: 1982 Honda Night-Hawk 750, 5,000 miles, mint cond. \$1,500. Call evenings, 387-6357 or 272-3603.

FOR SALE: Signature trash compactor w/cutting board top, bronze, \$30; wood double bed, \$15; double mattress, fair condition, clean, FREE; Waste King dishwasher, as is, FREE; stainless steel sink, \$15 OBO; Airequipt circular slide magazines, 25¢ each or 5/\$1.00. cathy H. 5-2100 or 564-9069 evenings.

FOR SALE: Wedding gown, size 5-7, brand new, with chapel length train, short sleeves, lots of lace. Very lovely, must sell. \$125/best offer. Wedding hat w/Tulle, new very elegant, large brimmed with lots of seed pearls, and tulle veil. \$50/best offer. 272-8795 or 273-1763 both evenings.

FOR SALE: RCA Victor color TV, 19", excellent cond. \$100. 272-8795 or 273-1763 both evening numbers - keep trying.

FOR SALE: Devon Rex kitton, pure British pedigree, parents on premises, female, breeding quality, very special nonshed breed. Color silver tabby. Very loving, intelligent, healthy. Serious inquiries only. \$300 plus. 272-8795 or 273-1763 both evening numbers.

FOR SALE: Available July 1st, a 1984, 14 x 70 mobile home. 3 bdrms, 2 baths, 10 x 12 wooded storage shed. Now set up in park in Moravia. \$18,000. Call (315) 497-0526 after 6 pm or 253-3567 8 am until 4:30 pm. Serious inquiries only please.

FOR SALE: Brand new 3 bdrm ranch, full basement, village of Newark Valley. 642-8713.

FOR SALE: 1981 Suzuki GN400, black w/gold, excellent condition. \$850, firm. 642-8713.

FOR SALE: Daisy wheel printer, Radio Shack (IBM compatible). Full-sized, professional quality, never used - still in packing case. Was \$450, yours for \$200. Call Judy at 5-3290 for details.

FOR SALE: New Konica auto winder for Konica Autoreflex-T4 camera. 5-2211 or 5-1700.

FOR SALE: Plymouth Sattelite station wagon, 1970, 68,000 miles, \$500. Call 257-3555 evenings.

FOR SALE: Honda CM-450 automatic, like new, less than 2,000 miles, sheepskin seat, roll bar, luggage rack, travel trunk, sissy bar, new cover. \$1,500/swap for car or truck of equal value. 739-0678 Horseheads evenings.

FOR SALE: 1962 Ford econoline van. Body good cond., runs good. 756-8253.

FOR SALE: 1973 Ford Marquis, 86,000 miles, power steering, good air condition/heating system, AM/FM radio, minor rust. Asking \$750 (owner leaving country so must sell). Also sofa bed, \$55; carpets, other household items. All prices negotiable. 257-5461.

FOR SALE: Small dark wood buffet, \$130; brass traverse rods for curtains \$7 each; man's suede jacket with fox fur lining approx. 40" chest, \$50; dark green sculptured carpet, 10 x 12, \$35; humidifier, \$7; stainless steel flatware for 12 with serving spoons, contemporary, made in England, 125; children's toys. Please call 257-0833 after 6 pm.

FOR SALE: Anderson double hung insulated window w/screen-vinyl grates 42" wide x 55" high. Insulated steel double doors, pre-hung in ornamental glass, 5'6" x 68". Call Ralph 277-1782 evenings.

FOR SALE: 1984 Skyline Carevell mobile home, 14 x 70, two bdrms., shed with electric, dishwasher, refrigerator, stove, washer and dryer. Located in beautiful park 1 mile from Cornell. Excellent condition, \$21,500 firm. 272-3603.

FOR SALE: 1979 Plymouth Horizon,

new shocks, new tires, 41,000 miles, excellent condition, \$2,100. Call 5-2849 or 257-0632.

FOR SALE: Chevy Malibu Classic, 1981, 2-door, V-6, standard, two tone paint, AM/FM cassette. Great condition, can be seen in front of East Hill Plaza Credit Union or phone Jeff, 5-9475 or 273-2715 after 6:30.

FOR SALE: Bunk beds with mattresses. Not used, solid construction. Call 539-6726 evenings.

FOR SALE: TRS-80 Model III Computer, includes Super SCRIPSIT, Viscalc, PROFILE (word processing program), and 12 discs of games! Asking \$1,000 for everything. List 5-2216 or 272-7293.

FOR SALE: 1984 Chevette, 18,000 miles, purchased new November 1984. hatchback, 4-door, AM-FM, automatic transmission, rear defrost, undercoated. Silver colored with black interior. Nice little car. Selling for down payment on house. \$4375. Jane 5-1482 or 844-9645.

FOR SALE: Hotpoint refrigerator. Full size, avacado green, refrigerator works well, freezer keeps cold but does not freeze. Must sell - cheap! 5-5311 or 5-6083 anytime.

FOR SALE: 1979 Chevy Caprice Classic, 4-door, auto. transmission, power steering, power brakes, air, AM/FM, many extras, just inspected, good rubber, runs very well. If you're tired of buying junk for transportation take a look at this one. For quick sale, \$2495.

FOR SALE: 1977 Dodge Aspen wagon, slant 6, original owner, complete maintenance and repair record, high mileage, Ziebarted, no rust (always garaged), starts easy, new front fenders, new snows this winter. Asking \$1,200. Phone 272-1860 (evenings).

FOR SALE: 1961 International dump truck, 5 ton, 2 speed rear axle, extra motor and body parts, excellent condition. \$3250 OBO. Bernie, 5-6143; 564-9375.

FOR SALE: Amerigo truck-mount camper, sleeps 6, completely self-contained, \$2800 OBO. Bernie 5-6143; 564-9375.

FOR SALE: Pretty Tobiana 2 year old pony filly, well-mannered, gentle, good with kids, \$325 OBO; 2 yearling horse colts, one sorrel, other liver chestnut, parents on premises, \$500 each. Carol 5-8545; 564-9375.

FOR SALE: Standard ping pong table with folding legs, \$20. 257-0515 evenings.

FOR SALE: Three bdrm. ranch house on one acre in Lansing, close to Lansing schools and Myers Park, hardwood floors, woodstove in living room, full walkout basement, nice eat in kitchen, ready to move into, 10 1/2% FHA assumable mortgage, payments are less than \$500/month to own. Call 533-4804 evenings and weekends to make an appointment.

FOR SALE: 1979 Suzuki 550E, low mileage, great shape, new battery and rear tire. Must sell, best offer. Doug 277-4630.

FOR SALE: "Duroliner" truck bed liners, cross bed tool boxes plus other truck accessories. Call Doug at ITA 277-4630.

FOR SALE: Boat and trailer, 15' fiberglass, 45HP Johnson outboard, 4 1/2 HP trolling motor, Lowrence (depth finder), new e into bed), new rug. Asking \$1,900. 5-3447 after 6 pm call 277-3172.

FOR SALE: 1977 Concord Deluxe, 14 x 65, 3 bdrm., many extras. Priced to sell. Call 273-0093 anytime.

FOR SALE: Piano, Everett upright, excellent cond. \$1300. 273-5617.

WANTED: Children's bicycle, 16 or 18 inch wheels, bike rack for car. Call 257-3359.

WANTED: 4-wheel drive vehicle with automatic transmission, mechanically good, body not important, must be cheap. 739-0678 Horseheads evenings.

WANTED: Seats to fit 1980 Ford van. 5-2211 or 5-1700.

WANTED: Ford Fiesta. Small tricycle. 257-7877.

WANTED: Kitchen cabinets, would prefer wood. In good condition, can be old fashioned, and does not have to be whole kitchen's worth. We are trying to add some cabinets to our kitchen, work room. Reasonably priced, please. 272-8795 or 273-1763.

WANTED TO RENT: Mobile home lot in park or private lot, occupancy by May 10. Call 273-0093 anytime.

WANTED TO RENT: Cottage on lake. To responsible academic family (ex-Cornell grads). Well-behaved children, no pets, one week/two July or August. References provided. Please call 272-8795 or 273-1763 with information evenings.

WANTED: Used filing cabinets with two drawers. Yarrow 5-2009 or 564-3427

WANTED: thermopane windows, any size, also thermopane sliding glass doors. Wante to buy quantity at low price for greenhouse. Yarrow 5-2009 or 564-3427

FREE: You haul away. Complete set of metal cow stanchions for dairy barn. call Shelley at 6-2050 days, 257-4597 nights

FOR RENT: 1 bdrm in 3 bdrm apt. Two female Cornell employees looking for grad or working adult to share apartment 3 miles north east of campus. Rent \$15 incl. heat, 1 year lease, nonsmoker and no pets. Call 257-5492 nights and weekends or 5-8064 weekdays. Ask for Shelley.

FOR RENT: Downtown, one bedroom apt., complete furnishing could be provided. Available May 23 for summer or 14-month lease. Deck, storage room, all newly renovated. \$325 plus low utilities (about \$30). 272-8795 or 273-1763 evenings on both numbers. Keep trying.

APARTMENT FOR RENT: Availble April 1. On the bus route in Ithaca, West Hill. One bdrm, basement apt. in quiet residential area, garage, laundry facilities. Pets okay, lease or not. \$325/month includes utilities. Call 273-5844 evenings.

APARTMENT FOR RENT: Available April 1. Faculty, grad student, large one bedroom apt., unfurnished, Chestnut Hill. Carpeted, patio, pool, air conditioning, great view of downtown Ithaca. On bus route. Year lease preferred, but will consider sublet until end of August. \$370/month includes heat. 277-4269 evenings.

FOR RENT: Aurora Street, 2 bedroom apt., oak floors, bay window, lots of closets, storage room, garden possibilities. Grad or professional only. \$450 plus (about \$50.-gas heat) Available August 15. 272-8795 or 273-1763.

FOR RENT: Downtown, large 3 bedroom apt. Combination kitchen/living room with cathedral ceiling, large bathroom, large south facing fenced garden—yard, parking for two cars, large front porch, basement. Semi-furnished. Perfect for 2 couples -bedrooms on two levels - lots of privacy. \$475 plus (about \$100 month-gas heat). Available August 15. 272-8795 or 273-1763.

## Assembly

**Continued from first page**  
education committee. I have helped organize Employee Day for several years and served in various capacities in the United Way Drive.

My third job has been managing a household for Bernie, my husband, and two active children, Heather and Bethany.

My work as a personnel assistant at the health services, the personnel department and on the other committee has made me increasingly aware of the problems employees have - from clerks to senior administrators. I feel my experience at Cornell, my knowledge of how it works and my demonstrated concern for making Cornell a better place makes me well-qualified to represent you in the Employee Assembly. Please vote for me. Thank you.

## Vincent Fuchs

### Endowed Nonexempt

I would like to run for reelection for another two years. For the past two years I have served on the Employee Assembly and also the University Assembly. Parking at Cornell is a concern of mine. We are going to have a new parking garage for about seven hundred cars. We will also have short term parking at Statler and at Willard Straight Hall. Another concern of mine is to help the dining workers.

## Dwight Widger

### Endowed Nonexempt

Hello, I am Dwight Widger. I am employed as a research equipment technician at Wilson Synchrotron Laboratory. I enjoy the events and programs that Cornell offers to us, and would like to help in a way that best suits my capabilities. This is why I have chosen to become a member of Employee Assembly. I have previously worked on administration-student associations at SUNY, Cobleskill where I received my AAS degree in agricultural engineering, and the University of Maine at Orono, where I received my BS in agricultural mechanization. I live in Etna with my wife Michell and daughter Aimee.

## Employee Calendar

### Events of Particular Interest to Cornell Employees

Events of Particular Interest to Cornell Employees

Friday, March 28. Cornell staff invited to tour Olin library, 10am to 11am. Call Ed Tallent at 6-4144 or Chris Sherratt at 6-5604 for details.

Saturday, March 29. CRC roast beef dinner and dance, held at the VFW in Dryden, NY. Call the CRC office at 6-7565 for more information.

Wednesday, April 2. Cornell staff invited to tour Mann Library. Call Ed Tallent at 6-4144 or Chris Sherratt at 6-5604 for details.

Wednesday, April 2. Employee Assembly meeting, held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

Saturday, April 5. Adult-youth bowling party at Helen Newman lanes. Free bowling, prizes, and refreshments will be provided. Open to all members of the Cornell community and children ages 5 - 15. Sponsored by the Cornell junior bowling league. Sign up at Helen Newman lanes or call 5-4200 for details.

Wednesday, April 16. Employee Assembly meeting; held in Roberts Hall, Roomat 12:15. All employees welcome.

Saturday & Sunday, April 19 & 20. CRC Scotch doubles bowling tournament and steak dinner at Helen Newman lanes. Deadline for sign up is April 10. Call the CRC office at 5-7565 for more information.

Thursday, May 1. Breakfast with President Rhodes. Call the Assemblies office at 5-3715 for details.

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

### Editorial Board

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

### UNIVERSITY PERSONNEL LIAISON

Laurie Roberts

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