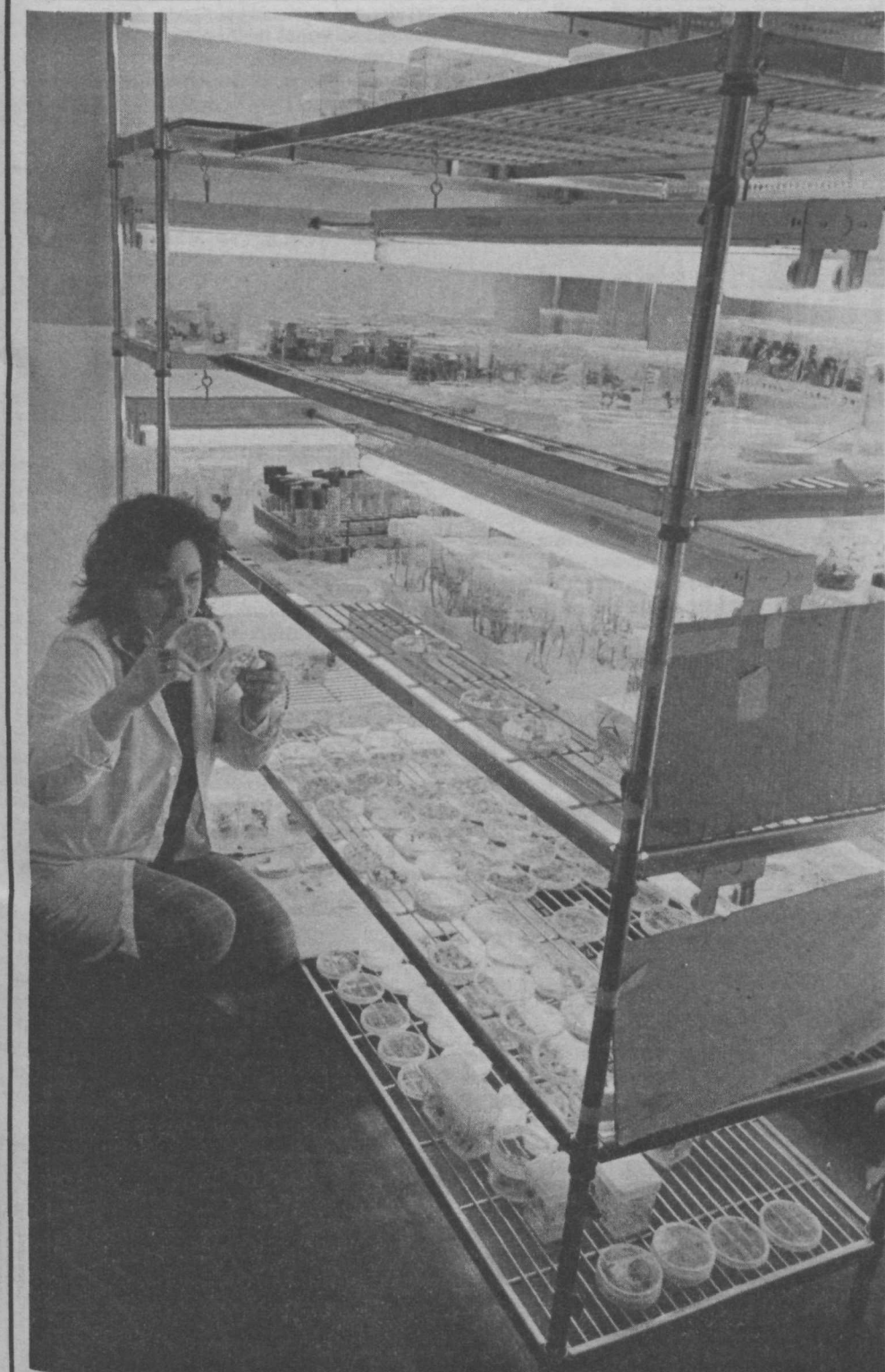


# Cornell Chronicle

Volume 17, Number 23

Thursday, February 27, 1986



Corn tissue cultures are grown in a Bradfield Hall laboratory by plant breeding technician Vi Best, in one of a series of experiments with potential for technology transfer.

## Biotechnology-Transfer Effort Will Aid Fledgling Businesses in New York

By ROGER SEGELKEN

Somewhere in a university laboratory, a discovery with potential for commercial development is being made.

Halfway across New York State, a small, innovative company is looking for new products to develop.

Left to chance, a match between the two could take years. But now, the perilous journey of a scientific discovery from laboratory to marketplace may be eased by an experimental technology-transfer effort in Cornell's Biotechnology Program.

In the one-year experiment sponsored by the New York State Science and Technology Foundation, a Cornell Cooperative Extension agent will try to match potentially marketable biotechnology ideas with small firms in search of new products.

If successful, the effort is expected to set a pattern for technology-transfer programs in other fields and industries.

"The extension agent will mediate contact between industries interested in applying biotechnology or processes and the university scientists conducting basic research," according to Mary Lee Noden, the newly appointed senior extension associate in biotechnology.

The program will focus on the state's small, start-up businesses, those with fewer than 50 employees or less than \$5 million in annual revenues. That's where entrepreneurs need the greatest amount of help, according to Raymond B. Snyder, executive director of the Cornell Biotechnology Program.

So far, more than 70 such businesses in New York State have expressed an interest in participating in this new program.

A typical interaction between a university researcher and a small business might work like this:

— A newly discovered protein in a diseased animal is identified as potentially useful in diagnostic tests for that disease. However, the discoverer, a scientist involved in basic — rather than applied — research has neither the time nor inclination to develop the test to the point of marketability.

— The Cooperative Extension agent helps the discoverer obtain legal protection, such as a patent, for the discovery. At the same time, one or more biotechnology firms are

identified as being capable of developing the diagnostic process.

— If a firm's new product line requires an expansion of business operations, assistance may be given in locating venture capital as well as a site in an industrial park. The firm holding the license to produce the diagnostic test pays royalties to the patent-holder during the development stage.

— If the diagnostic test proves to be marketable, the small business may sell its rights to a larger firm, or may produce and market the test itself.

The benefits of such arrangements are mutual, Noden says. The original researcher and the institution receive licensing fees, which can fund more research. The small business and the state's economy are enhanced. And the consumer has access to a new product.

"We hope to arrive at the right structure for research faculties to relate their findings to the needs of industry," said William Horne, principal program manager for the Science and Technology Foundation's university-industry section.

At Cornell, the technology-transfer program will operate through the Center for Advanced Technology in Biotechnology (Agriculture), one component of the biotechnology program. A multidisciplinary steering committee, composed of Cornell faculty and staff members, is responsible for the general policy direction of the technology transfer program. The program is located in the Department of Agricultural Economics in the College of Agriculture and Life Sciences, and is under the supervision of Olan D. Forker, professor of marketing.

A simultaneous study at Syracuse University's Maxwell School of Citizenship and Public Affairs will look for ways that all seven of the state's advanced technology centers can relate to industry, Horne noted.

The technology-transfer path is familiar to Noden, who holds degrees in immunology and business administration. After several years with the medical division of Corning Glass Works, she founded her own small business, Pederson Biotech Resources, which specializes in developing antibodies

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## FAST FOODS

### Franchises Offer Round-the-Clock Meals With a Variety of Nutritional Profiles

By SUSAN S. LANG

Eating out once was a rare treat, but studies show that today's average person eats out once a day. For many people, eating at fast-food restaurants is a way of life.

Simple hamburger stands have become fast-food franchises with dawn-to-midnight menus, including breakfasts, fish and chicken sandwiches, and specialty items. Fruit and vegetable juices and salad bars are becoming regular offerings.

Along with their expanded menus, fast-food shops have improved efficiency, sanitation, and product quality control.

But, how do the various fast-food menus rate nutritionally? Ruth Klippstein, professor emerita of nutritional science in the College of Human Ecology, found some answers.

Sixty-four large food companies were asked to supply nutritional information about their products. Many of the fast-food companies sent detailed information for the Cornell survey.

"The responses show a wide range of differences among the food establishments," says Klippstein. Here are a few findings about regular burgers (including the bun and pickle), the no-frills, lowest-cost product.

— Portion sizes for similar products vary dramatically among the different companies. The weight ranges from 3-1/2 ounces to 7 ounces.

— Calories range from a modest 235 to 472 per portion.

— Cholesterol content varies three-fold,

from 27 to 69 mg. per regular burger.

— Sodium content ranges from a low of 231 mg. to a high of 774 mg.

Other traditional menu items at America's fast food restaurants had varying nutritional values, too.

— French fry portions, varying in amount from 3 ounces to 7 ounces have a wide variation in sodium levels — 39 to 327 mg. per serving, reflecting the added salt. Unsalted fries have very low sodium levels.

— Milkshakes contribute a significant amount of sodium with 247 to 378 mg. per serving. The variation is due to differences in serving size and formulas, some of which use very little milk.

— The child's meal, the one with the lunchbox of goodies and surprises, ranges from a low of 294 calories to 516 calories at two different outlets. The sodium levels of both were 513 mg., a fairly high level for a young child's meal.

Fast foods are convenient and nutritious, Klippstein explains, if consumers make wise choices. She offers some tips for the serious fast-food patron.

— Communicate your interest in healthful food to the shop's management. Don't complain; instead, suggest positive ways to improve the food available.

— Ask for unsalted fries or burgers. Reduce fat by asking for fewer or no condiments. Let the management know you like the product, but would prefer a lower salt, sugar, or fat content.



Sociologist Robin M. Williams Jr., left, discusses the first issue of a new academic journal—Sociological Forum—with Charles Selengut, executive officer of The Eastern Sociological Society.

## Cornell Sociologists Develop Scholarly/Research Journal

By MARTIN B. STILES

With the thought "you must be out of your mind" still echoing in his memory, Cornell sociologist Robin M. Williams Jr. is celebrating the publication of the first issue of a new academic journal — Sociological Forum.

Williams, the editor, says the journal is an attempt to fill a void in scholarly literature by encouraging articles that integrate the

perspectives of many disciplines — political science, government, economics, psychology, and the biological sciences — with sociology.

"There is a dire need for such a scholarly journal as one way of reducing intellectual fragmentation through integration of specialized perspectives," Williams says.

The journal seeks to emphasize linkages

Continued on Page 8



# PEOPLE



Abelson



Bicakci



Briskman



Dickar



Futterman



Liu



McMillan



Mendel



Rosenbaum



Small

## 10 Undergrads Run for Trustee

Ten undergraduate students are running for a two-year term on Cornell University's Board of Trustees. Campus-wide elections will be held March 18 and 19.

It is the largest number of students running for a single seat on the board since the student trustee elections were initiated in 1971, according to Cristen Gardner, administrative supervisor of the Office of University Assemblies.

There are two student-elected seats on the 42-member Board of Trustees. The student trustees serve staggered two-year terms and are elected by undergraduate and graduate students at Cornell's Ithaca campus. Cornell is the only Ivy League school to have students on its board of trustees.

The 10 candidates are vying for the seat currently held by Kenneth W. Williams, Law '88; his term expires June 30. The other student-elected trustee is Bernard Weintraub, Ag. '85, Arts '87. His term ends June 30, 1987.

The ten candidates are:

- Joshua E. Abelson, Arts & Sciences '87;
- Oner M. Bicakci, Engineering '88;
- David K. Briskman, Engineering '87;
- Alan D. Dickar, Human Ecology '88;
- Josh Futterman, Arts & Sciences '89;
- Cynthia W. Liu, Agriculture and Life Sciences '88;
- Londell McMillan, Industrial and Labor Relations '87;
- Robert A. Mendel, Human Ecology, '87;
- Robin S. Rosenbaum, Arts & Sciences '88;
- Abby J. Small, Agriculture and Life Sciences '88.

Four open forums are being planned for the candidates to address issues over the next few weeks, according to Gardner. The times and places will be announced as soon as arrangements are final, she said.

## Extension Fraternity Honors 4

Bruce Brower, Jeanne Hogarth, Lynn H. Irwin, Ruth Klippstein, and Josephine Swanson of Cornell are recipients of 1986 awards from Epsilon Sigma Phi, the national honorary fraternity of Cooperative Extension.

Brower, a Cornell Cooperative Extension associate in the Department of Rural Sociology in the College of Agriculture and Life Sciences, received the "College Based Award." He was cited for his projects that focused on developing computer literacy education for Cornell Cooperative Extension agents.

Hogarth, an assistant professor in the Department of Consumer Economics and Housing in the College of Human Ecology, won the award in the category of "less than three years of service." Hogarth was honored for her financial management program and her success in attaining national leadership status in family resource management.

Klippstein, a professor emeritus in the Division of Nutritional Sciences, received the "State Distinguished Service Award." She was cited for her expertise in the field of food and nutrition, for her ability to communicate that knowledge effectively to many audiences, and for her extension activities through the years.

Swanson, a senior Cornell Cooperative Extension associate and leader of extension programs in the Department of Consumer Economics and Housing in the College of

Human Ecology, received the "College Based Award." She was cited for developing subject matter resources and the diverse delivery methods she has used to extend county programming to a vast audience.

A team award was given to the Cornell Local Roads Program, headed by Lynne H. Irwin, associate professor of agricultural engineering in the College of Agriculture and Life Sciences. His team, consisting of Richard Brown, Thomas and Evelyn Cook, Charles Dittmars, Richard Friday, Nancy Given, Donald Larson, Dan Steck, and Donald White, was recognized for teaching local road engineering, construction, and maintenance techniques to town and county highway superintendents and city and village public works officials in New York State.

### Lemley: Textiles & Apparel

Ann T. Lemley in the Department of Textiles and Apparel has been promoted to the rank of associate professor with indefinite tenure.

A member of the faculty in the College of Human Ecology since 1980, Lemley focuses her research on the degradation of chemicals, particularly pesticides, in drinking water, and the environmental fate of chemicals in soil and ground water systems. The Cornell environmental chemist also is involved in a multidisciplinary project on environmental chemicals and community and individual risk management.

## Lynn Named to Head State's Water Resources Planning

Gov. Mario M. Cuomo has appointed Cornell professor Walter R. Lynn to a four-year term as chairman of the New York State Water Resources Planning Council.

The Division of Water of the New York State Department of Environmental Conservation is preparing an inventory of significant deficiencies of water supply availability throughout the state, including specific needs for rehabilitation and of systems affected by hazardous materials.

After analyzing existing water supply sources and facilities the council's strategy recommendations may include appropriate

modifications, restorations, and expansion or development of new sources or facilities to meet the water resource requirement of residential, agricultural, and commercial users and to assure the highest possible quality and quantity of these waters.

Lynn, a specialist in civil and environmental engineering, has been director of Cornell's Program on Science, Technology, and Society since 1980. He served as chairman of the Water Science and Technology Board of the National Academy of Sciences/National Academy of Engineering National Research Council.

## Hunter Acting Geneva Director

James E. Hunter has been named acting director of the New York State Agricultural Experiment Station at Geneva. The appointment is effective through Aug. 31, or until a permanent director is selected in a nationwide search.

He succeeds Lamartine F. Hood who is leaving the station to become dean of the College of Agriculture at Pennsylvania State University.

As acting director, Hunter assumes responsibility for the research and extension programs being carried out in the laboratories and more than 700 acres of station farmland. Additionally, he will be responsible for the station's two outlying laboratories located in the Hudson Valley at Highland and along Lake Erie at Fredonia. As a part of the

College of Agriculture and Life Sciences, the station is charged with conducting research in the production and processing of fruits and vegetables.

A faculty member in the Department of Plant Pathology at the station, Hunter concentrates his research efforts on vegetable diseases. He served as the station's department chairman in plant pathology from 1972 until 1983.

Hood was named the eleventh director of the Geneva Station in June 1983. Before that he was the associate director of research for Cornell's agriculture college and the Cornell University Agricultural Experiment Station at Ithaca. He has been on the Cornell faculty since 1968 as a professor of food science.

### Hannan: Scarborough Chair

Michael T. Hannan has been elected the Henry Scarborough Professor of Social Science. He succeeds Robin M. Williams, the Henry Scarborough Professor Emeritus of Social Science.

Hannan is an internationally recognized scholar in the field of organizational sociology. Among his research interests are understanding the developmental patterns of national educational systems; developing new ways to analyze data on life-course events through the use of continuous time models; understanding the birth, growth, decline, and death of organizations; evaluating the effects of an experimental welfare plan on family behavior; and measuring the changes in social organizations over time.



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### Hohendahl: Schurman Chair

Peter Uwe Hohendahl has been elected the Jacob Gould Schurman Professor of German Literature. He succeeds Eric A. Blackall, the Jacob Gould Schurman Professor Emeritus of German Literature.

Hohendahl is a scholar of international distinction and is considered the leading U.S. authority on German literature. He holds a joint appointment in the departments of German literature and comparative literature and has served as chair of the German literature department since 1981.



**HOHENDAHL** German literature and comparative literature and has served as chair of the German literature department since 1981.

## System 85 With Us Next Week

By PAT PAUL

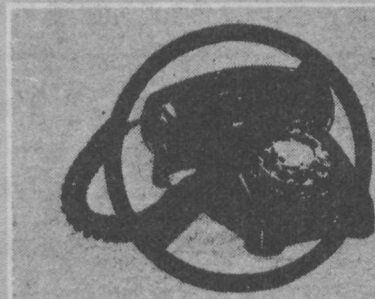
The long-awaited cutover to Cornell's new telecommunication system — System 85 — will occur this weekend. The Department of Telecommunications and AT&T have been resolving wiring problems to make sure that every campus user has dial tone on Monday morning. Urgent software and hardware changes are being implemented as quickly as possible. Project staff members are trying to correct as many problems as they can prior to cutover and will continue to work on the backlog until all corrections have been made.

In order to solve as many problems as possible over the weekend, we will be ready Friday morning to take trouble reports at our new number, 5-5500. If you have an emergency, please consult with your department coordinator to determine whether information has already been given to our department for resolution. If you still feel you have a problem that requires intervention prior to cutover, call 5-5500.

You will be asked to provide information regarding the type of telephone, its extension number, and its physical location. You also may be asked additional questions to help us resolve your problem. The person taking your trouble report will give you a four-digit trouble ticket number associated with your report. Please retain this number for future reference; it will be needed when subsequent reports are turned in for an unresolved problem on the same telephone.

If you have directory changes to be made, please submit them on the blue directory change cards, or in memo form, being sure to give us your social security number or Cornell ID. We have a brand new electronic directory that will ensure directory changes are available to the Cornell operators so that incoming calls and listing inquiries will be handled properly.

A current database is maintained on CUINFO and is available to anyone who has a terminal connected to the Cornell mainframe computer. Before submitting directory



changes, please check with your department coordinator to be sure that you understand what numbers should be published in the staff directory for proper operation of your department's telephone system.

Remember, your department coordinator should be your first point of contact for any problems relating to System 85. The coordinators have been through intensive training sessions and have also been supplied with additional training materials to help them instruct department staff in the operation of System 85. They are our liaison with you and will be kept up to date on any changes or additions to System 85, as well as proper procedures for initiating changes.

It is imperative that you do not relocate your own telephone set in an attempt to put numbers where they belong. The dial tone and extension number are being provided to the terminal block on the wall; disconnecting phones and moving them to alternate blocks will not relocate the telephone numbers, but rather complicate any resolution. Please leave the telephones where they have been installed and work through your telephone coordinator for any software or hardware changes necessary.

We look forward to serving you and sincerely appreciate your cooperation and patience as we implement System 85.

(Pat Paul is director of Telecommunications. This is another in a series of articles describing the telephone equipment switch-over.)

## Cornell Chronicle

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



## Stone Hall Ruling Expected Soon

The fate of Stone Hall rests with an acting State Supreme Court judge in Albany. Judge Robert Doran could issue a decision as early as next week regarding demolition of the building.

Last Friday, the judge heard arguments by attorneys representing the City of Ithaca and Historic Ithaca, both seeking to prevent further demolition, and from the State University Construction Fund, which wants to raze Stone Hall to make way for Academic I. Additional arguments were

submitted this week.

Court orders issued Feb. 10 prevented further demolition of the 81-year-old building, delaying the construction project that was to begin this spring. About 10 percent of Stone Hall was torn down before the temporary restraining orders were issued.

Early next week, the construction fence at the Stone Hall site will be improved to provide additional safety and security measures.

## Residence Halls Offer Graduates Rooms for Commencement Guests

Most hotels and motels in the Ithaca area are already booked for Cornell's 1986 commencement weekend. However, residence hall accommodations on campus are available for the nights of May 30 through June 1. The commencement ceremony is Sunday, June 1, at noon.

Cornell's Department of Residence Life will offer residence hall accommodations in Hurlburt House, Upper North Campus Halls, Balch Hall, Anna Comstock Hall, Risley Hall, Clara Dickson Hall, Mary Donlon Hall, Cascadilla Hall, Sheldon Court, Hughes Hall, Baker Halls, and the University Halls.

The department lists the following procedures for accommodations:

Graduating seniors now living in the residence halls may make reservations for Commencement guests in their own units beginning March 31. Other degree candidates may make reservations for all remaining space beginning April 7. Each graduate may reserve a maximum of eight guest spaces.

Reservations must be made in person between 8:30 a.m. and 3:30 p.m. at the following Residence Life offices: Mary Donlon Hall, Cascadilla Hall, Sheldon Court, Balch Hall for Balch and Anna Comstock, Risley Hall for Clara Dickson Hall, Hughes Hall; West Campus Area Office in Class of '17 Hall for University Halls and Baker Halls, Hurlburt House; and Upper North Residence Life Office in Robert Purcell Union for High Rises and Low Rises.

A special feature this year will be a weekend package rate of \$32 per person for those staying for two or three nights. For those staying Saturday only, accommodations will be available at \$22 per person. The rate for children under twelve will be \$16 for the weekend package and \$11 for Saturday only. The rates include a completely furnished room with linens, towels, and soap, but do not include daily room service.

When making reservations, students must present a validated ID card. Graduates who are currently registered at Cornell will be billed for commencement guest housing on their bursar bills. Graduates who are not currently registered must pay by check or money order at the time reservations are made. No cash will be accepted. Cancellations will be accepted and refunds of half the amount paid will be made through April 30. No refunds will be made after April 30.

For further information, call 256-5359 or 256-5511.

## Biotechnology—

Continued from Page 1  
and marketing reports on biotechnology.

Cornell already has a number of economic development programs to which the technology-transfer experiment will be an adjunct, according to Cornell's Snyder. He points to the Biotechnology Institute, the other component of the biotechnology program, where industry partners are interacting with Cornell scientists in basic research programs that could lead to marketable products.

In addition, Cornell's Industry Research Park is the home to more than two dozen small or start-up businesses, many benefiting from the proximity to Cornell's on-campus research facilities. Cornell scientists and engineers are assisted in developing and marketing their discoveries by the university's patents and licensing office.

With its one-year trial period and modest (\$70,000) funding from the state, the experimental technology-transfer program is not expected to move any discoveries from the test tube to the consumer in 12 months. Instead, Snyder says, the emphasis is to develop a framework for technology-transfer programs in biotechnology and other fields where New York has research strengths.

## Rhodes Now in Forefront Speaking for Liberal Arts

By JAMES McGRATH MORRIS

In his national efforts to promote the value of a liberal education, Cornell president Frank Rhodes occasionally feels like Horace Mann, the 19th century educator.

Mann had a foolproof way to disperse a mob, Rhodes says. "Rather than read the riot act, Mann would simply announce a lecture on education." Not a soul would remain.

Talking to people about liberal arts has, until the past few years, brought much the same response, Rhodes says. Unfortunately, the liberal arts are considered the "sleepy backwaters of the academy" in the age of high tech.

The British-born geologist-turned-president has taken it upon himself to try to alter that impression. Using his prominence as the president of a leading American university and as member of several national education organizations, Rhodes has become a spokesman, promoter, and, yes, a cheerleader for the maligned liberal arts. And, as the newly-elected chairman of the Carnegie Foundation for the Advancement of teaching, his message is likely to continue to get attention.

"The liberal arts are the great ordinary means to great but ordinary ends," Rhodes wrote in a Phi Kappa Phi Journal article, paraphrasing a 19th century thinker. "They encourage individual engagement and thus promote public taste; they invite the development of personal principles and standards and thus contribute to the social conscience; they challenge private assumptions and prejudice and thus enlarge the common understanding."

Rhodes says he understands the pressure on students to squeeze the most out of a four-year investment by taking only professional courses. Rhodes himself laments the fact that he devoted virtually 100 percent of his undergraduate career to geology.

But, he insists that the business world is beginning to value employees who have a well-rounded education. Rhodes cites as an example the visit to campus last year by James Ferguson, chief executive officer of General Foods. Ferguson's primary advice to job seekers was to take as many courses in the liberal arts as possible.

Ferguson's visit to Cornell was sponsored by the Hatfield Fund, which brings business leaders to campus and supports innovative methods of teaching economics.

There is other evidence of this trend. The Kiplinger Washington Newsletter, a business insiders' weekly, noted this winter that "lib-

eral arts grads will be sought by firms wanting generalists."

Rhodes faults recruiters for not getting the message from their bosses. "The problem is that people who are recruiting on campus don't always speak with the same voice," he says.

Rhodes is also a critic of those who try to sell liberal arts on the basis of their broadly applicable vocational skills. He says to do so is to sell them short. "Alston Chase observed some years ago," Rhodes wrote, "that such a tactic is similar to trying to persuade someone to be a surgeon by saying that he or she will learn how to use a knife."

**Unfortunately, the liberal arts are considered the 'sleepy backwaters of the academy' in the age of high tech.**

"The most important function (of liberal arts) is neither career preparation nor character development, but the cultivation of the mind," Rhodes concludes.

At Cornell, Rhodes says, progress has been made to ensure that the liberal arts remain central to the university's mission. However, he adds, The university has done only a moderately successful job in making itself a university instead of separate colleges and schools.

Liberal arts shouldn't stop at the threshold of the classroom, he says. College dormitories, for example, should offer more than a warm bed. Too often, at Cornell and elsewhere, dormitories "amount to boarding houses or hotels at the edge of campus." Rather, Rhodes contends, language houses and academic programs should become an important component of dormitory life.

The liberal arts are too important to remain the sole province of academics, he said. They should permeate campus life so that students are exposed to the liberal arts in evening performance of music and theater, in art galleries and over coffee.

Rhodes quickly adds, though, that he, the faculty, and the university can only do so much to ensure that students gain a full exposure to the liberal arts. Paraphrasing A. D. White, Cornell's first president, Rhodes says he would tell students, "You are not here to receive an education, you are to create one for yourself."

## It's 'Cutover Weekend' for New Telecommunications

Hundreds of miles of copper wire, fiber-optic lines, and coaxial cable, creating one of the world's most advanced telecommunications systems, will be "plugged in" this weekend.

Come Monday morning, AT&T's System 85 will provide more than 25,000 Cornell employees and students with a new link between buildings and to the world beyond campus.

Telecommunications officials at Cornell don't expect many serious "hang-ups" when the new system of 11,000 telephone units and related switching equipment is put to the test Monday. The new system relies on all-tone, push-button equipment, instead of of dial phones, thus just getting used to the system will be the biggest problem.

Implementation of the voice communication feature is the first phase of the telecommunications project, according to Pat Paul, director of telecommunications. Eventually, the high-speed system also will link computers in laboratories, classrooms, dormitory rooms, and offices into a system that can carry at least 64 kilobits — about two pages

of data — per second, more than 50 times faster than the typical speed.

Several years in the planning and eighteen months in construction, the \$17.4 million system is expected to save the university more than \$800,000 a year and to pay for itself within eight years. By owning its own system and equipment, there are some immediate, annual savings for the university, Paul explains, especially as rental costs increase for New York Telephone Company's Centrex lines and AT&T equipment.

There are other advantages to the university-owned and operated system, Paul adds. Among them are tone dialing, conference calling, and streamlined long distance calling services, which users of the new system will find more helpful and flexible than the current system.

Cornell's present system, parts of which are at least 50 years old, will be operated as a parallel system for a few days "until everyone becomes comfortable with the system and its many features."

The switch to an entirely new system will affect how the outside world reaches Cornell. Two new exchanges — 253 and 255 — have been set up by New York Telephone to serve the university.

Once the old Centrex system is disconnected, forgetful callers who dial 256 will hear a taped message informing them of the change. A different message will inform callers to dormitories of the 253 exchange. The computerized system has been programmed to route calls to the College of Veterinary Medicine, where 253 also is the new exchange.

All other Cornell numbers in Ithaca will be reached by dialing 255.

At times, as many as 100 AT&T workers and sub-contractors were on campus daily digging trenches, laying conduits, pulling wires, and installing telephones. All of the existing copper wiring in the present system has been replaced for improved quality and

greater transmission speed. Voice communication, computer data, and video images will travel through the multi-purpose system that takes advantage of technology "to provide significant improvements for the university's instructional and research activities," Paul says.

More than 300 Cornell employees have been in the "trenches," too, learning the new system and its benefits, and then sharing that knowledge with co-workers. The so-called department telecom coordinators received three to four hours of instruction before training others how to transfer, hold, and forward calls. In addition, they spent many hours over the past year accumulating information about their department's needs, including hardware and software configuration.

Highlights of state-of-the-art data transmission capabilities that will be added over the next six to 18 months include:

- a backbone network, made up primarily of fiber-optic and coaxial cable lines, which can interconnect at high speeds with Cornell's mainframe computers, departmental mini computers, and personal computers, and will be accessible to any computer user on the campus;

- small networks in the dormitories through which students with microcomputers in their rooms can take advantage of shared facilities, such as printers and disk storage equipment;

- links from dormitory to larger campus networks to incorporate a student's microcomputer in the more comprehensive university computing system. This will allow communication by electronic mail and provide access to centralized facilities such as data bases, high-speed laser printers, and modem pools. For example, faculty or students on one side of campus will be able to use the telecommunication system to control a one-of-a-kind computer device in a laboratory on the other side of campus.



During installation, the new lines snaked their way across campus in new ditches.

## Performing Arts Center Work to Begin Today

Excavation work was scheduled to begin this morning for the university's Performing Arts Center project in the Collegetown.

Preliminary site work is expected to continue into early March, when the project task force will meet to review design and construction changes aimed at keeping down the total cost.

The current budget for construction is \$14.5 million with another \$5.5 million for equipment and furnishings, and architectural and related costs.

The task force includes university officials, cost consultants, architects, and the general and sub-contractors.



# 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

### E.A.R.S.

Empathy, Assistance and Referral Service, known as E.A.R.S., has expanded its hours. Friday hours have been extended from 7-11 p.m. to 5-11 p.m. Regular hours Sunday through Thursday, 3-11 p.m. and Saturday, 7-11 p.m. continue unchanged. E.A.R.S. provides short-term peer counseling on a walk-in as well as telephone basis; it is located in Willard Straight Hall, room 211, and the phone number is 256-EARS. All services are free and completely confidential.

### Mann Photocopy System Change

In response to numerous complaints, Mann Library has chosen another vendor for its photocopyers. Cole Copy Systems of Syracuse was selected. Under this new system, Mann Library will not be charging any fee for the VendaCard copies and 10 cents for coin copies. As of March 14, Mann Library will be using the new machines. This change will mean that the VendaCards now in use for copying at Mann Library will not work after this date. Patrons with credits on these cards should use them before March 14, although the cards can continue to be used in the ILR Library photocopyers after that date.

### Summer Research in Europe

Funding is available for a small number of juniors from all colleges who are interested in pursuing field work in Western Europe this coming summer. Projects should generally relate to problems in agriculture, but need not be technical. Application forms are available in the Western Societies Office, 117 Stimson Hall. For further information contact Kitty Mattes, 256-7592. Application deadline is March 3, 1986.

### Presentation on Tibet

Peter Gold will give a slide-illustrated lecture on "Art, Life and Spirit in Tibet" at 8:15 p.m. Thursday, Feb. 27, in the Founder's Room of Anabel Taylor Hall. He is an anthropologist, ethnomusicologist, artist and author.

### 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.

### Christian Science Monitor

The Christian Science Monitor resource files will be available in the Straight Lobby on March 4 & 5, 10 a.m.-4 p.m., and in Mann Library on March 11 & 12 from 10 a.m.-4 p.m. The files contain newspaper articles covering topics of major importance: national and world politics; social, scientific and economic development; world relations, peace, etc. — all free.

### Emotions Anonymous

Every Tuesday, 109 Oak Avenue, (the Lutheran Church), colleegetown. 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.

### Alcoholic 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.

### Minority & Women Owned Business Enterprises Workshop

The Office of Equal Opportunity, in cooperation with the Division of Facilities & Business Operations and the departments of Purchasing, Dining and Campus Stores will present a workshop on "Doing Business With Cornell." Cornell is committed to the maximum utilization of minority and women owned business enterprises. In keeping with that commitment, this workshop is specifically designed to provide these enterprises with information and technical assistance to facilitate the development of ongoing business linkages. Representatives from relevant Cornell business operations will be in attendance. The workshop will be held Feb. 25, at the James Law Auditorium from 10 a.m.-3 p.m. There is no admission charge. For further information, contact Don Johnson, Director, Office of Equal Op-

portunity, 234 Day Hall, or call 256-3976.

### Intramural Badminton

(Men, Women, Co-Ed) (Doubles)

Deadline for entries is Monday, March 3 by 4:00 p.m. in the Intramural Office in Helen Newman Hall. Minimum of 2 to enter. Play starts (probably) March 31 in Barton Hall, Monday through Thursday evenings. Straight elimination tournaments. You do not have a choice of days or times. An entry fee of \$2 is due with your roster to enter. Checks only, made payable to "Dept. of P.E. & Ath. Intra. Div."

### European Research Grants

European research grants are now available for graduate students from the Western Societies Program. The sixth annual Sicca Grant competition awards a limited number of students with funding to aid their dissertation work in European-oriented research. All applicants must be Cornell graduate students. The deadline for applications is March 10. For more information, contact the Western Societies Program in 117 Stimson Hall at 256-7592.

### 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.

## 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 256-4231 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 256-7149 or 257-3156.

### Scandinavian Dance

An evening of old-time Gammeldans, with fun and easy Danish, Swedish, Norwegian, and Finnish dances. All welcome-dances will be taught. Live music. Scandinavian refreshments. Friday, Feb. 28, 8 p.m., Willard Straight Hall Memorial Room. Admission is \$2.50 at the door. For more information contact Christopher McVoy at 256-5457. Sponsored by the Scandinavian Club and the Cornell Folkdancers.

### International Ballroom Dancing

An evening of International Ballroom Dancing will be held Sunday, March 2, from 8 p.m.-midnight in the Memorial Room of Willard Straight Hall. This event is free, open to all and it is not necessary to come with a partner. Sponsored by the Cornell Folkdancers. For program details and other information, please call 257-3156 or 256-7149.

## Exhibits

### Herbert F. Johnson Museum

"New York State Artists V" through Mar. 16; "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 256-6464 for further information.

## Films

Unless otherwise noted films are sponsored by Cornell Cinema. There is a staff position open on the Cinema Advisory Board. Applications are available in 525 Willard Straight Hall. The deadline is February 28, 1986.

### Documentary on Homosexuality

"Silent Pioneers," a film documenting the lives of several elder lesbians and gay men, will be shown in the Hollis Cornell auditorium of Goldwin Smith Hall at 8 p.m. Monday, March 3. The film is about a generation that lived through an era when homosexuality was not tolerated. "The courage, daring, and humor, as well as the sense of continuity gay/lesbian elders have given our community are revealed to all who see this film"—Virginia Apuzzo, former director, National Gay Task Force. After the film, a discussion will be led by two members of SAGE—Senior Action in a Gay Environment—a New York-based support network for lesbian/gay elders. The event is co-sponsored by Gay People at Cornell and the department of Human Development/Family Studies, and is funded in part by SFC.

### Thursday

Feb. 27, 4 p.m. 310 Uris Library. "The Jewel in the Crown, Part 5: The Regimental Silver". South Asia Video Series. Sponsored by the South Asia Program.

Feb. 27, 4 p.m. Hoyt Fuller Room, 310 Triphammer Rd. "Roots". Celebration of the tenth anniversary of the book's publication. Presented by the Africana Studies and Research Center.

Feb. 27, 8 p.m. \*Uris Hall Auditorium. "The Wall" (1983), directed by Yilmaz Gunet. Co-sponsored by the Aegean Society.

### Friday

Feb. 28, 7:15 p.m. \*Statler Auditorium. "E.T." (1983), directed by Stephen Spielberg with Henry Thomas.

Feb. 28, 10 p.m. \*Statler Auditorium. "A Clockwork Orange" (1971), directed by Stanley Kubrick, with Malcolm McDowell.

Feb. 28, 10 p.m. \*Uris Hall Auditorium. "La Chevre" (1964), directed by Francis Veber, with Gerard Depardieu and Pierre Richard.

### Saturday

Mar. 1, 7:30 p.m. \*Uris Hall Auditorium. "La Chevre."

Mar. 1, 7:30 p.m. \*Statler Auditorium. "A Clockwork Orange."

Mar. 1, 9:30 p.m. \*Uris Hall Auditorium. "Cal" (1984), directed by Pat O'Connor, with Helen Mirren, John Lynch, and Donald McGain. Mar. 1, 10:15 p.m. \*Statler Auditorium. "E.T."

### Sunday

Mar. 2, 2 p.m. \*Uris Hall Auditorium. "E.T." Co-sponsored by the Ithaca Youth Bureau.

Mar. 2, 2 p.m. Johnson Museum Lecture Room. "Black Maria Film Festival", featuring festival director John Columbus as guest speaker makes its Ithaca premiere. Award-winning independent film and video works comprise this annual festival. Made in New York (Mar. 9, 16, 23, 30) will coincide with the museum's New York State Artist V Exhibition. Funded in part by the New York State Council on the Arts.

Mar. 2, 8 p.m. \*Uris Hall Auditorium. "All About Eve" (1950), directed by Joseph L. Mankiewicz with Bette Davis, George Sanders, and Anne Baxter.

### Monday

Mar. 3, 4 p.m. 310 Uris Library. "Four Holy Men: Renunciation in Indian Society". South Asia Film Series. Sponsored by the South Asia Program.

Mar. 3, 9 p.m. \*Uris Hall Auditorium. "The Last Wave" (1978), directed by Peter Weir with Richard Chamberlain and Olivia Hammett.

### Tuesday

Mar. 4, 4:30 p.m. Uris Library Auditorium. "Shadow Master". A perceptive journey into traditional and modern Balinese life focusing on two brothers, one apprenticed to a traditional "shadow master", a combination of priest/comedian/puppeteer, the other attracted to western values, motorcycles, and gambling. Co-sponsored by the Southeast Asia Program.

Mar. 4, 8 p.m. \*Uris Hall Auditorium. "Breathless" (1959), directed by Jean Luc Godard with Jean-Paul Belmondo and Jean Seberg.

### Wednesday

Mar. 5, 4:30 p.m. Uris Hall Auditorium. "Army" (Keisuke Kinoshita, 1944). Co-sponsored by Cornell Cinema and The Society for the Humanities.

Mar. 5, 8 p.m. \*Uris Hall Auditorium. "Kaddish" (1983), directed by Steve Brand. Documentary. Co-sponsored by Hillel and Near Eastern Studies.

### Thursday

Mar. 6, 4 p.m. 310 Uris Library. "The Jewel in the Crown, Part 6: Ordeal by Fire." Sponsored by the South Asia Program.

Mar. 6, 4:30 p.m. Uris Hall Auditorium. "Adalen 31" (1969), directed by Bo Widerberg with Peter Schmidt, Anita Bjork, and Kerstin Tidelius. Co-sponsored by DMIL and the Scandinavian Club.

### Friday

Mar. 7, 8 p.m. \*Anabel Taylor. "Effi Briest" (1974), directed by Rainer Werner Fassbinder with Hanna Schygulla.

Mar. 7, 9:45 p.m. \*Uris Hall Auditorium. "After Hours" (1985), directed by Martin Scorsese with Griffin Dunne, Rosanna Arquette, Thomas Chong, and Cheech Marin.

### Saturday

Mar. 8, 7:30 p.m. \*Uris Hall Auditorium. "After Hours".

Mar. 8, 8 p.m. \*Anabel Taylor. "Troupers" (1985), directed by Glenn Silber and Claudia Vianello with the San Francisco Mime Troupe. Co-sponsored by CRESF.

Mar. 8, 9:45 p.m. \*Uris Hall Auditorium. "Return of the Soldier" (1982), directed by Alan Bridges with Alan Bates, Glenda Jackson, Julie Christie and Ann Margaret.

### Sunday

Mar. 9, 1 p.m. \*Statler Auditorium. "Shoah", Part 1, (1985), directed by Claude Lonsmann. Holocaust series documentary.

Mar. 9, 2 p.m. \*Uris Hall Auditorium. "The Secret Garden" (1949), directed by Fred M. Wilcox with Margaret O'Brien and Herbert Marshall. Co-sponsored by the Ithaca Youth Bureau.

Mar. 9, 2 p.m. Johnson Museum Lecture Room. Guest filmmaker and composer Phill Niblock: A Live Film/Music Performance. Co-sponsored by NYSCA.

Mar. 9, 8 p.m. \*Uris Hall Auditorium. "Gentlemen Prefer Blondes" (1953), directed by Howard Hawks with Marilyn Monroe and Jane Russell.

### Monday

Mar. 10, 7 p.m. \*Statler Auditorium. "Shoah", Part 2.

## Lectures

### Thursday

Feb. 27, 12:15 p.m. 201 A.D. White House. "Religious Imagination and Literary Forms in Hindi Devotional Verse", Daniel Gold, Mellon Fellow, Stanford University. Sponsored by the South Asia Program.

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Feb. 27, 12:20 p.m. 102 West Ave. Ext. "Characteristics of the Performing Arts in Thailand", Jiraporn Witayasakpan, SEAP Graduate Student, Theatre Arts.

Feb. 27, 3 p.m. 701 Clark Hall. Continuing seminar series, The Farm Crisis and the Future of the Family Farm. "The Farm Crisis in Comparative Perspective: Financial Stress and Agricultural Instability in Canada, the U.S. and Western Europe", Dr. Philip Ehrensaft, Professor of Sociology, the University of Quebec at Montreal. Funded by the W. K. Kellogg Foundation and co-sponsored by Biology & Society, Science, Technology and Society, and the Department of Rural Sociology.

Feb. 27, 4 p.m. 374 Rockefeller Hall. "The Hebrew Bible and Andalusian Hebrew Poetry: Literary Consciousness and Literary Imagination", Professor Ross Brann, New York University. Sponsored by the Department of Near Eastern Studies.

Feb. 27, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. "Theory & Practice in Medicine for Women: The Case of DES 1938-1941", Susan E. Bell, Assistant Professor, Sociology and Anthropology, Bowdoin College. Sponsored by the Women's Studies Program and the Program on Science, Technology and Society.

Feb. 27, 7:30 p.m. G-1 Stimson. "Night Gliders, Nutcrackers and Whistle Pigs: the Fantastic Squirrel Family", Dr. Janet Wright. Sponsored by Jordani. All welcome. Funded in part by the Student Finance Commission.

Feb. 27, 8:15 p.m. Anabel Taylor Founders Room. "Art, Life and Spirit in Tibet". A slide illustrated lecture presented by Peter Gold, Anthropologist, Ethnomusicologist, Artist and Author of Tibetan Reflections. Sponsored by CRESF and the South Asia Program.

### Friday

Feb. 28, 12:15 p.m. 360 Uris Hall. Brown Bag Lunch. "The German Press Under U.S. Occupation", Wolf Von Eckardt, journalist and architecture critic. Sponsored by the Western Studies Program.

Feb. 28, 3:30 p.m. 202 Uris Hall. "Learning by Selection" (Part of the Distinguished Speakers Series, "Learning from Neural and Behavioral Perspectives", of the Psychology Department), Jean-Pierre Changeux, Professor at the College de France and the Institut Pasteur, Paris.

### Tuesday

Mar. 4, 7:30 p.m. Ives 213. "Marxism and Feminism". Panel discussion with Dick Boyd, Susan Buck-Morss, Zillah Eisenstein, and Mary Jacobus. Sponsored by the Society for the Humanities.

### Wednesday

Mar. 5, 4 p.m. Founders Room, Anabel Taylor. Adolfo Perez Esquivel, Nobel Peace Prize winner, 1980, will lead an informal discussion on "A Christian Alternative: Liberation and the Non-Violent Struggle". Sponsored by the Latin American Studies Program.

Mar. 5, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. "Africanisms in the Americas: The View from Performance", Prof. John F. Szwed, Musser Professor of Anthropology and Afro-American Studies, Yale University. Sponsored by the University Lectures Committee.

Mar. 5, 7:30 p.m. Goldwin Smith Kaufmann Auditorium. Adolfo Perez Esquivel, Nobel Peace Prize winner, 1980, will speak on Foreign Debt, Human Rights, and Democracy. Sponsored by the Latin American Studies Program.

### Thursday

Mar. 6, 12:15 p.m. 277 Goldwin Smith Hall. Brown Bag Lunch. "Re-Viewing the Spanish Civil War: Franco's Film 'Raza'", Kathleen Vernon, Romance Studies. Sponsored by the Western Studies Program.

Mar. 6, 12:15 p.m. 201 A.D. White House. "Development Issues in India", Jan Breman, Erasmus U., Rotterdam and Institute of Social Studies, The Hague. Sponsored by the South Asia Program.

Mar. 6, 12:20 p.m. 102 West Ave. Ext. "Small-Scale Coastal Fishing Development in Thailand", Jane Brass, SEAP Graduate Student, Rural Sociology. Sponsored by the Southeast Asia Program.

Mar. 6, 7:30 p.m. G-1 Stimson. "Nesting Associations of Birds, Ants, and Wasps in Costa Rica", Frank Joyce. Sponsored by Jordani. All welcome. Funded in part by the Student Finance Commission.

Mar. 6, 8 p.m. Ives 120. "The Prospect for the World's Future: A Challenge to the University", Gerald O. Barney, President, Global Studies Center, Arlington, Virginia. Sponsored by the University Lectures Committee.

### Friday

Mar. 7, 12 p.m. 250 Caldwell Hall. "Pagans in our Midst". A historic view of journalism that portrayed the Iroquois, Jose Barreiro, editor, "Indian Studies".

Mar. 7, 12:15 p.m. 360 Uris Hall. Brown Bag Lunch. "Origins of Social and Professional Hierarchies in 19th Century France", John Weiss, History (paper available beforehand from 117 Stimson). Sponsored by the Western Studies Program.

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## SNOW!

Is the University open,  
or is it closed?

Telephone 256-3377



Bach's "By the Waters of Babylon" and "Prelude and Fugue in E minor". Mendelssohn's "Sonata in A Major" will start the second half; the concert continues with J. Brahms' "Fugue in A-flat minor" and Franck's "Cantabile", and will conclude with Henri Mulet's "Thou art the rock and the gates of hell...."

Paterson has been the Sage Chapel organist since 1964 and has given recitals here and throughout the United States. As a member of the Cornell music faculty, he has taught theory and organ, and is also choirmaster of the University's Sage Chapel choir.

#### Haydn Baryton Trios Presented

The Haydn baryton trios will be presented in a concert at 4 p.m. Sunday, March 2, in Barnes Hall. The free public concert is one of a series made possible by a gift from Professor Emeritus and Mrs. Thomas J. Baird. Featured instrumentalists will be the Haydn Baryton Trio: John Hsu, baryton; David Miller, viola; Loretta O'Sullivan, cello. They will play 5 of Haydn's 123 baryton trios for those instruments: No. 57 in A Major, No. 87 in A minor, No. 67 in G Major before the intermission and No. 117 in F Major and No. 97 in D Major afterwards.

The Haydn Baryton Trio is the only ensemble in the United States specializing in the performance of the Divertimenti for baryton, viola and violin-cello by Joseph Haydn. These 123 works together constitute the genre in which Haydn composed the largest number of works. They are his least known and most intimate chamber music. All were composed for his patron, Prince Nicholas Esterhazy, who was an ardent player of the baryton. The trio's recordings of these Haydn's trios, released by The Musical Heritage Society, are the first ones in this country.

Hsu, one of the few baryton players today, is the Old Dominion Foundation Professor of Humanities and Music at Cornell, and director of the Aston Magna Festival. He is also one of the known virtuoso viola da gamba players. He performed solo recordings for The Musical Heritage Society and many programs for European radio broadcasts.

Miller, a founding member of the Classical Quartet, The Haydn Baryton Trio, Concert Royal, and the Bach Ensemble, is principle violist with the Boston Early Music Festival. He has performed nationwide and recorded on Nonesuch, Pro Arte, Cambridge, Musical Heritage Society, Smithsonian Collection of Recordings and the Metropolitan Museum of Art.

O'Sullivan has appeared as soloist with various orchestras, has been principle cellist with the Bolshoi and Joffrey Ballets, has collaborated as a baroque cellist with many appropriate ensembles. He plays with the Classical Quartet and toured last year with Evan Johnson.

#### Every Sunday

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

#### Friday

Feb. 28, 8:15 p.m. Barnes Hall. "Pomerium Musics", A. Blachly, artistic director. Medieval and Renaissance music by Perotin and Jocquin Desprez.

#### Saturday

Mar. 1, 3 p.m. Bailey Hall. The Tompkins County Arts Council presents its annual Family Concert. This year's presentation is Stravinsky's "The Firebird", performed by the Story Dance Theatre with the Cornell Symphony Orchestra. Special appearance by Cat, Gifted & Black. Tickets are available at Cat's Pajamas, Logos Bookstore, and at the Arts Council office in the DeWitt building. For further information please call 277-4906.

#### Sunday

Mar. 2, 4 p.m. Barnes Hall. The Haydn Baryton Trio directed by John Hsu. Works by Haydn. Mar. 2, 8 p.m. Anabel Taylor Commons Coffeehouse. Christopher Weitach, early jazz tunes on the guitar. Bound For Glory, broadcast live on WVBR FM 93.

#### Tuesday

Mar. 4, 8:15 p.m. \*Statler Auditorium. The New York Chamber Soloists (Series event). An all Schubert program.

#### Thursday

Mar. 6, 4 p.m. Grout Room. Bruno Nettl (Univ. of Illinois). Colloquium: "The Seminal 80's."

#### Friday

Mar. 7, 8:15 p.m. Sage Chapel. D.R.M. Paterson, organ. Works by de Grigny, Buxtehude, J.S. Bach, Mendelssohn, Brahms, Franck, and Mulet.

#### Saturday

Mar. 8, 8:15 p.m. Barnes Hall. Cornell Chamber Orchestra, Edward Murray, conductor. Works by Stravinsky, Milhaud, Dallapiccola and others.

#### Sunday

Mar. 9, 4 p.m. Bailey Hall. Cornell Symphonic Band, conducted by Marice Stith; guest conductor John J. Hilfiger. Works by Hilfiger/Brahms, Del Borgo, Hill, Smith, Williams, McBeth, and Sousa. Mar. 9, 8:15 p.m. Sage Chapel. Kwansei Gakuin Glee Club from Japan. International music for male voices.

## Religious Events

#### Thursday

Feb. 27, 4:30 p.m. Anabel Taylor Founders Room. "Jews, South Africa, and Apartheid", Rabbi Brian Walt. Rabbi Walt was born and raised in South Africa. He is an anti-apartheid activist and a rabbi in the Philadelphia area.

#### Friday

Feb. 28, 1-4 p.m. G34 Anabel Taylor. Information session for Wurzeiler School of Social Work at Yeshiva University for those interested in careers in social work and Jewish communal service.

#### Sunday

Mar. 2, 12-2 p.m. One World Room, Anabel Taylor. Hillel Grad Group Bagel Brunch. Come hear a speaker and meet some new friends. Free.



The 10-member vocal group Pomerium Musics will present a free public concert at 8:15 p.m. Friday, Feb. 28, in Barnes Hall. They will perform a program of medieval and Renaissance music by Perotin, Desprez and others.

#### Tuesday

Mar. 4, 8 p.m. Anabel Taylor, Room 314. "BASIC Judaism."

#### Wednesday

Mar. 5, 12 p.m. Founder's Room, Anabel Taylor. Jewish Women's Discussion Group. Bring a bag lunch.

#### Thursday

Mar. 6, 7:30 p.m. Anabel Taylor Edwards Room. "Jewish Practices and Thought: Who is a Jew?"

#### Friday

Mar. 7, 6:30 p.m. One World Room, Anabel Taylor. Shabbat Dinner with Rabbi Dow Marmur of Holy Blossom Temple, Toronto. Please make and pay for your reservations at G-34 Anabel Taylor, Hillel office (256-4227). Dinner costs \$6 for non-affiliates and \$4 for affiliates.

Mar. 7, 8 p.m. One World Room, Anabel Taylor. Lecture by Rabbi Dow Marmur of Holy Blossom Temple, Toronto.

## 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.

**Applied Mathematics:** "Homoclinic Versus Relaxation Chaos in Hamiltonian Systems: Some Examples," Jair Koiller, Yale, 4 p.m. Friday, Feb. 28, 165 Olin Hall.

**Applied Mathematics:** Special Year in Numerical Analysis, Mary Wheeler, Rice University, 4 p.m. Tuesday, March 4, 245 Olin Hall; 4 p.m.

Wednesday, March 5, 218 Olin Hall; 4 p.m. Friday, March 7, 165 Olin Hall.

**Archaeology:** "Tactics and Topography in an Ancient Greek Naval Battle: Aegospotami, 405 B.C.," Barry Strauss, History, 4:40 p.m. Thursday, Feb. 27, 305 McGraw.

**Archaeology:** "Where Was the Eastern Achaemenid Persian Empire of 550-330 B.C.?" David Fleming, D. Phil., Oxford, 4:40 p.m. Thursday, March 6, 305 McGraw.

**Astronomy:** "Voyager at Uranus: First Results," P. Gierasch, J. Burns and J. Veverka, 4:30 p.m. Thursday, March 6, 105 Space Sciences.

**Atomic and Solid State Physics:** Theory Seminar. "The Fractional Quantum Hall Effect," Professor S. Kivelson, SUNY Stony Brook, 1:15 p.m. Thursday, Feb. 27, 701 Clark.

**Atomic and Solid State Physics:** Solid State Seminar. Title TBA. Dr. Richard Webb, IBM, T.J. Watson Research Center, 4:30 p.m. Tuesday, March 4, 700 Clark.

**Biochemistry, Molecular and Cell Biology:** "Molecular Mechanisms of Developmental Regulation and Their Evolution; The Case of the Insect Eggshell," Fotis Kafatos, The Biological Laboratories, Harvard, 4:30 p.m. Friday, Feb. 28, 204 Stocking.

**Biology:** "Cell Interactions and Membrane Phenomena in Immune Recognition," presentations by Douglas D. McGregor, Anne L. Crump, Barbara A. Baird and Clare M. Fewtrell, moderated by Alan F. Williams, Oxford, 1 p.m. Thursday, March 6, Hagan Room, Schurman Hall.

**Biophysics:** "Measuring Membrane Surface Potential with Resonance Raman Spectroscopy," Dr. Benjamin Ehrenberg, University of Connecticut Medical School, 4:30 p.m. Wednesday, March 5, 700 Clark.

**Biotechnology and Public Policy:** "Environmental Assessment of Genetically Engineered Organisms," James Gillett, Natural Resources, Cornell, 4:30 p.m. Tuesday, March 4, 701-702 Clark.

**Boyce Thompson Institute:** "Biological Control of Chestnut Blight," S. L. Anagnostakis, Connecticut Agricultural Experiment Station, New Haven, 3:15 p.m. Wednesday, March 5, BTI Auditorium.

**Chemical Engineering:** "A Direct Synthesis Approach for the Robust Multivariable Sampled Data Controller," John Dukovic, Chemical Engineering, California at Berkeley, 4:15 p.m. Tuesday, March 4, Olin 145(A).

**Chemistry:** "Twisting the C-N Bond; Characterization of Bridgehead Imines," Joseph Michl, University of Utah, 4:40 p.m. Monday, March 3, 119 Baker Lab.

**Chemistry:** Baker Lecture Series on "Intromolecular Dynamics," Stuart A. Rice, University of Chicago, 11:15 a.m. Thursdays and Tuesdays through March 25, Baker 200.

**Floriculture and Ornamental Horticulture:** "Landscape Architecture; Professional Competition; Houston," Tom Johnson, associate professor, 12:15 p.m. Thursday, March 6, 37 Plant Science.

**Food Science:** "Recent Public Health Concerns in Dairy Products; Listeria," Catherine Connelly, Animal Science, University of Vermont, 4:30 p.m. Tuesday, March 4, 104 Stocking.

**Genetics and Development:** "The Mechanism of Tissue Culture Induced Mutations in Maize," Frances and Benjamin Burr, Brookhaven National Labs, Long Island, 3 p.m. Thursday, Feb. 27, 135 Emerson.

**Geological Sciences:** "Two-Stage Laramide Orogeny in Southwestern United States; Tectonics and Sedimentation," Charles Chapin, New Mexico Bureau of Mines and Mineral Resources, 4:30 p.m. Tuesday, March 4, 1120 Snee.

**International Studies in Planning:** "Crisis of Japanese Labor and Labor Movements," Muto Ichiyo, Pacific Asia Resources Center, Tokyo, 12:15 p.m. Friday, Feb. 28, co-sponsored by the China-Japan Program.

**Materials Science and Engineering:** "Materials for Optical Communication," Ken Jackson, AT&T, 4:30 p.m. Thursday, March 6, 140 Bard.

**Mechanical and Aerospace Engineering:** "Liquid-Crystal Lamellae," Watt W. Webb, Cornell, 4:30 p.m. Tuesday, March 4, 282 Grumman.

**Natural Resources:** "The Scientific Method; Is It Valid?" Ari Van Tienhoven, Poultry Science,

Cornell, 12:15 p.m. Tuesday, March 4, 304 Fernow.

**Neurobiology and Behavior:** "Glutamate Receptors and Ion Channels in Cultured Mammalian Central Neurons," Linda M. Nowak, Pharmacology, Cornell, 12:30 p.m. Thursday, Feb. 27, Morrison Seminar Room, Corson/Mudd Halls.

**Ornithology:** "Barn Swallow Social Behavior and Ecology," William Shields, SUNY-Syracuse, 7:45 p.m. Monday, March 3, Laboratory of Ornithology.

**Peace Studies:** "European Perceptions of Star Wars," Judith Reppy, acting director, Peace Studies Program, 12:15 p.m. Friday, Feb. 28, 153 Uris. (Brown bag seminar.)

**Physiology:** "Mechanism of C1 Transport by Mammalian Intestine," M. Duffey, Physiology, SUNY-Buffalo, 4:30 p.m. Tuesday, March 4, G-3 Veterinary Research Tower.

**Pharmacology:** "K Channels in Normal and Abnormal Proliferation of Mouse T Lymphocytes," Thomas DeCoursey, Physiology, Rush Medical School, Chicago, 4:30 p.m. Monday, D-101L Schurman.

**Plant Biology:** "Reticulate Evolution in the Fern Polystichum in Southern Central America," David Barrington, Botany, University of Vermont, 11:15 a.m. Friday, Feb. 28, 404 Plant Science.

**Plant Breeding:** "Influences of the A Locus on Quality of Pea (Pisum Sativum)," Gary R. Taurick, Horticultural Sciences, Geneva, 12:20 p.m. Tuesday, March 4, 135 Emerson.

**Plant Pathology:** "Induction of the Hypersensitive Response in Potato — a Role for Lipoxigenase," Carol Preisig, 4:30 p.m. Tuesday, March 4, 404 Plant Science.

**Plasma Studies:** "Maryland Spheromak Experiments," George Goldenbaum, University of Maryland, 4:30 p.m. Wednesday, March 5, 282 Grumman.

**Pomology:** "Nutrition and Unfruitfulness of Mango Trees," Zen-Hong Shu, Pomology, 11:15 a.m. Monday, March 3, 114 Plant Science.

**Psychology:** "Learning by Selection," Jean-Pierre Changeux, Institut Pasteur, Paris, 3:30 p.m. Friday, Feb. 28, 202 Uris Hall.

**Remote Sensing:** "Analysis of Satellite Data for Hydrologic Land Use and Cover," Laurie Trolrier, Cornell, and "Environmental Parameters Affecting Laser Fluoresensing of Water Quality," Anthony Vodacek, Cornell, 4:30 p.m. Wednesday, March 5, 110 Hollister.

**Science, Technology and Society:** "The Farm Crisis in Comparative Perspective: Financial Stress and Agricultural Instability in Canada, the U.S. and Western Europe," Philip Ehrensaft, professor of sociology, University of Quebec at Montreal, sponsored by the W. K. Kellogg Foundation, co-sponsored by the Department of Rural Sociology, 3 p.m. Thursday, Feb. 27, 701 Clark.

**South Asia Program:** "Religious Imagination and Literary Forms in Hindi Devotional Verse," Festival of India Seminary, Daniel Gold, Mellon Fellow, Stanford University, 12:15 p.m. Thursday, Feb. 27, A. D. White House 201.

**South Asia Program:** "Art, Life and Spirit in Tibet," Peter Gold, anthropologist and author, 8:15 p.m. Thursday, Feb. 27, Founders Room, Anabel Taylor Hall.

**Statistics:** "Generating a Random Rotation Using Random Reflections," Persi Diaconis, Statistics Department, Stanford University, 4 p.m. Wednesday, March 5, B-14 Hollister (joint with Operations Research).

**Textiles and Apparel:** "Polyester Fiber Structure," R. D. Van Veld, Fiber Society Lecturer, E. I. DuPont de Nemours & Co., Inc., 4:30 p.m. Tuesday, March 4, 317 Martha Van Rensselaer.

**Vegetable Crops:** "The Role of Light and Other Factors in the Suppression of Weeds by Potato Canopies," Alberto Ramirez, grad student, Veg Crops, 4:30 p.m. Thursday, March 6, 404 Plant Science.

## Something for Just About Everyone at CPIRG

By ELAINE MAIN

Do you drive a car? Rent? Breathe? Take courses at Cornell?

A "yes" means that CPIRG has information for you.

CPIRG — the Cornell Public Interest Research Group — attempts to make life better for consumers, especially consumers in Ithaca and at Cornell. Air, water, and other environmental issues are among the group's focus.

Most people don't realize there are at least 23 local organizations interested in the environment, according to Dan Koen, a second-year law student from Evanston, IL, who is president of CPIRG.

"That means there is a lot of interest in environmental issues," Koen said, "but it also means that energy is splintered and some efforts are duplicated. CPIRG hopes that these groups might wish to form a coalition to work on common projects."

Cleaning the environment is one area where group energies could be channeled, according to Koen. During March, CPIRG will publicize motor oil recycling, a joint project with the Tompkins County Environmental Management Council.

Fifteen percent of oil entering New York's waterways comes from improperly dumped motor oil. That amounts to more than 90,000 quarts of oil annually, or half of the motor oil purchased in Tompkins County.

Other CPIRG projects confront student concerns, such as the quality of academic courses and of off-campus housing. One result is Critics' Courses, the first student evaluation of Cornell courses. It was available before 1986 spring term pre-registration. For 17 courses, students reported information such as whether lectures were worthwhile, profs helpful, workloads appropriate, and exams fair.

"Critics' Courses is a form of consumer protection," said Koen, who learned about the idea as an undergraduate at Wesleyan University in Connecticut. "Students consume courses, and this is a buyer's guide to quality control."

The next edition, covering fall semester courses, will be available before pre-registration in April. It will be larger, covering 50 courses, and Koen said that CPIRG is at a crossroad regarding future editions.

"Critics' Courses takes a lot of time and

money. It involves obtaining permission from professors and then passing out and collecting the surveys, tabulating results, writing, printing, and distributing. We need \$2,000 to print 3,000 copies of this 50-course booklet, so right now we're looking for help from co-sponsors."

CPIRG's 35 members also help survey off-campus housing. Questionnaires are distributed to persons renting housing in the College town area. Completed surveys are open to the public in the Off-Campus Housing Office, 103 Barnes Hall. There, students can learn the "inside dope" about rentals: Is there adequate hot water? Water pressure? Heat? What about insects or other pests?

Rather than affiliating with the state public interest research organizations, Cornell's group has remained independent.

"All of the organizing and activity comes from students," Koen said. "We concentrate on the issues that touch us locally."

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



Number 8

**Cornell University****University Personnel Services****Day Hall****Ithaca, New York 14853****607/255-5226****Please Note:**

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the Cornell Chronicle. Job Opportunities lists current vacancies with the University, consistent with the University's commitment to promotion from within, affirmative action and equal opportunity employment.

Employee Transfer Applications: Em-

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

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

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 CUIN-FO, Cornell University's computerized information service. For further details on CUINFO, contact the Information

and Referral Center at 256-6200 or Computer Services.

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

February 27, 1986

Please Post

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 \$4 million.

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

Job Number: PA026

Position: Administrative Manager I (Repost)

Department: CHESS

Description: Under general administrative direction, perform, supervise, direct and/or advise on work related to the personnel, business and facilities aspects of a medium size department. Related activities may involve program/project management, funds management, contract analysis, property and space management and information — data systems management.

Requirements: Bachelor's degree or equivalent. Knowledge of management principles—methods preferred. Three years relevant administrative or supervisory experience. Knowledge of finance, accounting and budgeting. Familiarity with computer systems helpful. Good communication and human relations skills. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA466

Position: Staff Engineer

Department: Laboratory of Nuclear Studies

Description: Work on hardware improvements for the Cornell Electron Storage Ring, a high energy physics research facility. The design and fabrication of equipment and offers the opportunity to participate in the operations and experiments with a state-of-the-art accelerator system.

Requirements: Minimum Bachelor's degree in electrical engineering, applied physics, or physics. Experience in power equipment, computer control systems, pulse circuitry or radiofrequency devices and techniques is desirable. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA0114

**Clerical**

CURRENT EMPLOYEES should submit an employee transfer application, resume and cover letter. Also, if you are interested in a career development interview, please contact Esther Smith at 6-5226 to schedule an appointment.

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

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

\*Position: Secretary, GR19

Department: Sponsored Programs

Description: Provide administrative and secretarial support in the Office of Sponsored Programs. Responsible for proposal submissions and award processing; maintenance of office records; word processing; assist in grant contract administration activities as assigned.

Requirements: High school diploma or equivalent. Business or secretarial school desirable. Medium typing. Minimum two years secretarial experience. Good oral skills and attention to detail. Strong interpersonal and communication skills. Cornell experience helpful. Word processing experience desirable.

Minimum Starting Salary: \$11,570

Job Number: CO82

\*Position: Personnel Assistant, GR18

Department: Personnel Services

Description: Perform the duties associated with the Central Employee Registration Program (CER), Group Life Insurance Plan, and Voluntary Accidental Death and Dismemberment (VADD) Plan, Nonexempt Retirement Plan, Cornell University Retirement Plan and Tax Deferred Plan. handle phones and personal contacts with employees and University Administration, input information into the computer; keep records; review and compile statistical information. Handles special projects as assigned.

Requirements: High school diploma or equivalent. Medium typing. Minimum 1 to 3 years of experience, preferably University. Excellent organizational, interpersonal and communication skills. Math aptitude. Familiarity with computers and accounting procedures.

Minimum Starting Salary: \$10,920

Job Number: CO85

\*Position: Secretary, GR18

Department: Chemistry

Description: Provide secretarial support in Department Office. Act as receptionist for telephone calls and visitors; perform word processing (IBM XT) for Department Chairman, Executive Director and other supervisory personnel; assist in arranging meetings, travel, seminars; help maintain filing system.

Requirements: High school diploma or equivalent. Secretarial school desirable. Medium typing. Minimum two years experience as receptionist. Experience in busy, front office on multi-line phone and with IBM XT or equivalent word processor. Excellent spelling. Good communication skills.

Minimum Starting Salary: \$10,920

Job Number: CO83

\*Position: Secretary, GR18

Department: Center for International Studies

Description: Primary duty is to provide transcription typing support for the Director and Assistant Director; schedule meetings, etc.; file; make travel arrangements; voucher preparation. Other duties as assigned.

Requirements: High school diploma or equivalent. Excellent typing, spelling and punctuation. Knowledge of computerized word processing helpful.

Minimum Starting Salary: \$10,920

Job Number: CO81

\*Position: Senior Records Assistant, GR18

Department: Catalog - Olin Library

Description: Responsible for providing support for the cataloging process through pre-catalog searching; processing of added copies and added location material; locating in-process material; processing Cornell dissertations. Other administrative duties as assigned. Full-time, regular; Monday - Friday, 8 - 5; flexible hours may include evenings.

Requirements: Associate's degree or equivalent. Light typing. Previous library technical services experience. Foreign language competence desirable.

Minimum Starting Salary: \$10,920

Job Number: CO84

Position: Administrative Aide, GR21

Department: Utilities

Description: Perform administrative duties in support of the Engineering and Facilities department. Process accounts payable, vouchers; do monthly account reconciliations; perform account variance analysis; monitor departmental billings; file monthly journals; monitor the Capital Projects Tracking System; prepare and file speci-

# Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

**Administrative/Professional**

The minimum salaries listed are for recruitment purposes only.

\*Position: Systems Programmer III (3 positions) (Repost)

Department: Theory Center

Description: Responsible for systems analysis, design, programming, documentation for projects in Cornell Production Supercomputer Facility under general supervision. Will be a major source of software support and technical leadership for both users and other Theory Center staff.

Requirements: Master's degree or equivalent with a wide range of programming experience utilizing high-level languages. Demonstrated ability to work in scientific or large-scale computing environment. IBM mainframe (VM/CMS) and Fortran experience a plus. Please send cover letter and resume to Cynthia Smithbower.

Job Numbers: PT123, PT462, PT461

\*Position: Assistant to Controller

Department: Controller. Responsibility is to provide executive staff support to the University Controller. Specific responsibilities include providing financial analysis and special projects capability, overseeing the design and preparation of the quarterly financial report and serving as a financial systems consultant to departments and colleges.

Requirements: Bachelor's degree in business or related field; M.B.A. preferred. 3-5 years progressive staff experience; demonstrated excellent written and oral communication skills; competence in systems design and an understanding of computer operations. Cornell experience a plus. Please send cover letter and resume to Ralph D. Jones by March 10, 1986.

Job Number: PA087

\*Position: Assistant Director of Public Affairs

Department: College of Engineering - Dean's (Public Affairs)

Description: Responsible for developing and implementing programs for Engineering alumni; work directly with Dean, faculty, volunteers, and members of public affairs staff to schedule and plan events both on and off campus. Maintain computer based alumni association files and records; oversee annual membership campaign.

Requirements: Bachelor's degree or equivalent in education and training. Excellent communications and writing skills. Experience working with volunteer organizations preferred. Knowledge of personal computers desirable. Initiative and ability priorities. Please send cover letter and resume to Ralph D. Jones by March 14.

Job Number: PA086

\*Position: Senior Applications Programmer/Analyst (Repost)

Department: Computer Services - APS

Description: As a member of the technical support group; will maintain and modify the data base and fourth generation programming environment in which administrative systems are developed.

Requirements: Bachelor's degree with computer courses and 3 to 5 years computing experience. Must be able to program in at least two languages including IBM 370 assembler. Must have knowledge of operating systems, especially VM-CMS. Familiarity with MVS, data base concepts and mini-micro computers preferred. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT469

\*Position: Counselor - Therapist II (Repost)

Department: University Health Services

Description: Provide professional expertise in working with a university population as a short-term therapist. Crisis intervention, campus outreach, emergency coverage, group work, couple therapy, and applied clinical research will comprise the majority of duties.

Requirements: Ph.D. in clinical or counseling psychology from an American Psychological Association (APA)-approved program. Completion of an approved APA internship required, preferably in a university setting. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA358

\*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 area, pricing of items for resale, monthly reports. Ten month appointment.

Requirements: High school diploma or equivalent. Managerial and supervisory experience. Experience in use of cash register, food handling, preparation and food retailing, and skills dealing with customers and supervision of student employees. Please send cover letter and resume to Ralph D. Jones by March 13, 1986.

Job Number: PA083

\*Position: Applications Programmer II

Department: Animal Science

Description: Design, write, implement, document and maintain applications software of a complex nature for the Northeast Dairy Records Processing Laboratory.

Requirements: Bachelor's degree with computer science coursework. One to three years experience including knowledge of application programming procedures and techniques. Experience with basic assembler language and CICS highly preferred. Please send cover letter and resume to Cynthia Smithbower by March 14, 1986.

Job Number: PT081

\*Position: Technical Consultant II

Department: Vet Computing Facility

Description: Coordinate use of microcomputers in the NYS College of Veterinary Medicine including analysis of

College needs, consulting on individual systems and user training. Develop and manage Vet Library Microcomputing center. Provide technical support for College participants in the IBM Project Ezra grant.

Requirements: Bachelor's degree or equivalent with some computer science courses. Several years experience consulting on microcomputer systems and applications; experience with several microcomputer operating systems (MS-DOS, Macintosh OS), programming languages, and application packages (WordPerfect, Lotus 1-2-3, dBase). Experience with communications, data transfer and local area networks. One or more years experience with IBM PC and/or compatibles. Please send cover letter and resume to Cynthia Smithbower by March 7, 1986.

Job Number: PT084

\*Position: Executive Staff Assistant

Department: Vice President Facilities & Business Operations

Description: Provide executive staff and administrative/secretarial support to the Vice President and Associate Vice President for the Division of Facilities and Business Operations, requiring independent decision making with absolute confidentiality.

Requirements: Associate's degree or equivalent experience. Minimum 3 to 5 years administrative secretarial experience. Knowledge of Cornell University systems and procedures helpful. Experience on micro-computers and word processors essential. Demonstrated organizational (verbal and written) communications skills. Please send cover letter and resume or call in confidence to Esther L. Smith by March 7, 1986.

Minimum Starting Salary: \$14,170

Job Number: PC085

\*Position: Research Support Specialist II (Repost)

Department: Pharmacology

Description: Use of specialized perfusion apparatus; provide technological support for research programs; training of staff; design and plan experiments; administration of research lab; maintain all records for lab such as radioisotope, animal, inventory, and supplies.

Requirements: Bachelor's degree or equivalent education and experience. Two years experience in lab and research procedures. Experience with specialized perfusion apparatus. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT234

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 as 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: Senior Administrator I

Department: International Agriculture

Description: Senior position to assist the Foundation Director plan and carry out fundraising and institutional development activities. Provide assistance in the establishment of the Foundation's Development and Public Relations Unit and in the development of long range and annual work plans for the unit.

Requirements: Minimum of bachelor's degree; master's desirable. Fluency in Spanish (FSI 5-2, R-2 or equivalent). Five year's experience in fundraising, public relations or related areas; experience in developing countries (Latin America desirable). Experience with research institutions, especially agricultural or development related, also desirable. International travel required. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA073

Position: Executive Staff Assistant III

Department: Office of the Provost

Description: Provide executive staff and administrative/secretarial support for the Provost, working independently with absolute confidentiality and a high level of sensitivity.

Requirements: Bachelor's degree and/or equivalent experience. Minimum 5-7 years executive/administrative secretarial experience. Working knowledge of Cornell University preferred. Experience in use of word processing equipment and personal computers (PC). Demonstrated organizational, verbal and written communication, and interpersonal skills. Prior experience working with sensitive and confidential matters. Please send cover letter and resume or call in confidence to Esther L. Smith by March 3, 1986.

Minimum Starting Salary: \$17,570

Job Number: PC074

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: Development Assistant (Repost)

Department: University Development

Description: Assist program directors in coordination of marketing and stewardship programs designed to strengthen University relationship with major corporations, maintain contact files, drafts correspondence, respond to inquiries, prepare briefing materials, and coordinate special events. Maintain computer based projects

and prospect tracking system.

Requirements: Bachelor's degree or equivalent in education and training. Excellent communication and writing skills. Some knowledge of personal computers and related software desirable. Ability to work independently and set own priorities. Ability to pay significant attention to detail oriented work. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA011

Position: Data Analyst/Administrative Supervisor II

Department: Clinical Sciences

Description: Assist in personnel and administrative matters in the Section of Medicine, maintain financial accounting system, provide appropriate and timely reports, and prepare financial analyses and projections for long range planning. Develop and maintain computer-based data management system.

Requirements: Bachelor's degree required in business administration with concentration in accounting; Master's preferred. Experience in accounting and with micro-computer systems for data analysis essential. Experience with federal grants—contracts administration. Send cover letter and resume to Ralph D. Jones.

Job Number: PA061

Position: Research Support Specialist II

Department: Physiology

Description: Design and conduct, in collaboration with the principal investigator experiments directed towards the cloning and characterization of intestinal cDNAs and genes; study of control of gene expression during development and differentiation of the intestinal epithelium; will assist in preparation and coauthoring publications.

Requirements: Master's degree in biology with emphasis in biochemistry and molecular biology, or genetics. Some experience in recombinant DNA techniques such as mRNA purification, DNA cloning and sequencing required. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT065

Position: Semiconductor Research Engineer (Repost)

Department: National Submicron Facility

Description: Responsible for installation, operation, maintenance and development of semiconductor processing equipment including high temperature furnaces, plasma deposition, electron beam evaporation and ion milling systems.

Requirements: Bachelor's degree in electrical engineering, materials science, applied physics, chemical engineering or related field. Familiarity with high vacuum systems, electronics troubleshooting and semiconductor processing equipment desirable. Must be able to work effectively with graduate students, scientists and faculty from a wide variety of disciplines. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT257

Position: Administrative Manager II (Repost)

Department: New York City Cooperative Extension - New York City (off campus)

Description: Responsible for personnel, fiscal, and administrative management of New York City programs of Cornell University Cooperative Extension. Supervise the maintenance and processing of personnel and other confidential records. General administrative supervision of 8 to 10 office staff. Assist with the development and maintenance of department budget; monitor expenditures and supervise maintenance of financial accounts and records.

Requirements: Bachelor's degree in business and/or personnel management or equivalent with 4 to 5 years of related experience. Knowledge of accounting procedures, office systems and computing systems. Demonstrated supervisory skills. Excellent interpersonal and organizational skills. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA446

Position: Assistant to the Vice President of Public Affairs (Repost)

Department: Public Affairs

Description: Assist the Vice President of Public Affairs with overall coordination and management of the division of Public Affairs, especially financial management, budgeting and long-range planning; preparation of divisional budget requests and financial reports, monitoring financial performance of departments. Directing personnel activities for the division. Researching, writing, editing major reports, and coordinating alumni leadership development.

Requirements: Bachelor's degree or equivalent. Cornell experience desirable; Public Affairs or related experience desirable; good oral and written communication skills, especially writing, required; quantitative analysis skills desirable. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA4612

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



ed reports on a monthly, quarterly, and annual basis. Requirements: Associate's degree in accounting, business or equivalent. Minimum two years related experience in a business environment. Know mainframe computers. Must have excellent organizational, interpersonal and communication (oral and written) skills. Familiarity with Cornell accounting system. Minimums Starting Salary: \$12,968 Job Number: CO79

Position: LC Cataloger, GR20  
Department: Catalog - Olin Library  
Description: Catalog monographs with CL copy on Humanities Team utilizing RLIN system; with advanced training and some proficiency may catalog some RLG member copy; authority work; shelving; added volumes; database maintenance activities. Other catalog duties as assigned. Full-time, regular appointment for three years.  
Requirements: Bachelor's degree or equivalent or training; academic background in humanities preferred. Light typing. One year work experience in libraries, especially technical services. Ability to perform and organize detailed work. Foreign language competence preferred especially in languages not well represented in the department such as Japanese and Hebrew.  
Minimum Starting Salary: \$12,209  
Job Number: CO71

Position: Secretary, GR19  
Department: LASSP  
Description: Provide secretarial support for 4 to 5 faculty members and their research groups. Assist professors in preparation of grant proposals; type and prepare articles for publication; maintain professors' calendars; make travel arrangements.  
Requirements: Associate's degree in secretarial science or equivalent. Heavy typing. Gooal typing and communication skills essential. Knowledge of Cornell and Ithaca communities helpful. Strong organizational skills. Ability to work independently. Experience with Micom word processor helpful.  
Minimum Starting Salary: \$11,570  
Job Number: CO74

Position: Word Processor Operator, GR18  
Department: Office of Financial Aid  
Description: Serve as office typist using IBM PC and Xerox 630. Enter, manipulate and format routine to difficult data to produce drafts and final copies; proof read and of work performed; back up in telephone answering; assist others in the support of system operation. Other duties as assigned.  
Requirements: High school diploma or equivalent; business or secretarial school desirable. Heavy typing. Some office experience. Proficient on word processor essential.  
Minimum Starting Salary: \$10,920  
Job Number: CO77

Position: Secretary, GR18  
Department: Cooperative Extension Administration  
Description: Perform a variety of secretarial functions, using electronic communications equipment to support the work of a program specialist/coordinator in Extension Administration. Type drafts, revisions, correspondence, reports, etc.; handle phone; organize and maintain statewide newsletter files; schedule rooms; make travel arrangements. Other duties as assigned.  
Requirements: High school diploma or equivalent; secretarial school desirable. Heavy typing. Minimum of one year experience with the Cornell system. Experience on the IBM PC.  
Minimum Starting Salary: \$10,920  
Job Number: CO76

Position: Secretary, GR17  
Department: Plasma Studies  
Description: Provide secretarial support to administrative aide. Type research proposals and renewals, technical manuscripts, abstracts, etc. Assist with requisitions and invoices; photocopy; mail. Other duties as assigned.  
Requirements: High school diploma or equivalent. Medium typing. Knowledge of technical and mathematical typing, word processor. Strong interpersonal skills. Ability to work under pressure.  
Minimum Starting Salary: \$10,366  
Job Number: CO73

Position: Audio-Visual Aide, GR19 (Repost)  
Department: History of Art  
Description: Responsible for projection and circulation of slides; train and supervise student projectionists; maintain audio-visual equipment; assist borrowers, mounting and accessing slides and training students to do the same.  
Requirements: Associate's degree or equivalent; Bachelor's degree or equivalent desirable. Medium typing, audio-visual equipment essential. Ability to handle emergency situations in class room projection. Library experience. Good organizational, communication and interpersonal skills. Please send cover letter and resume to Esther L. Smith by March 7, 1986.  
Minimum Starting Salary: \$11,570  
Job Number: CO67

General Service

\*Position: Senior Experimental Machinist, GR24  
Department: LASSP  
Description: Machining to close tolerances; plan, layout and execute complete job without supervision. Able to contribute original ideas and communicate with students, faculty and staff.  
Requirements: Apprenticeship in machine trades or AAS in mechanical technology. Two years experimental machinist experience, preferably in a research and development facility.  
Minimum Starting Salary, \$15,370  
Job Number SO83

\*Position: Material Handler, SO19  
Department: General Stores - Endowed  
Description: Responsible for complete spectrum of warehouse duties including receiving, order picking, distribution, waiting on customers and general housekeeping. Monday - Friday, 7:30-4:00.  
Requirements: High school diploma or equivalent. 1 to 2 years related warehouse retail experience. Good interpersonal skills. Familiarity with trades (plumbing, electrical, etc.) terminology helpful. NYS Class V Driver's License required.  
Minimum Starting Salary: \$5.74/hour  
Job Number: SO86

\*Position: Material Handler, SO16  
Department: Physical Education & Athletics -Endowed  
Description: Assist in the operation of the Athletic Department Equipment Laundry room. Issue laundry and sports equipment from inventory room and secure its return. Maintain inventory records, repair and recondition equipment, laundering of sports equipment. Monday - Friday, 3:00-11:00pm.  
Requirements: High school diploma or equivalent. Ability to maintain equipment records. Knowledge of equipment repair, sewing, etc.  
Minimum Starting Salary: \$4.84/hour  
Job Number: SO81

Technical

Outside applicants for technical positions should submit an employment application, resume, transcripts and a list of laboratory techniques and equipment, or computer languages and hardware with which you are familiar. This information will be kept active for six months. For each position that you are qualified and wish to be a candidate for, submit a cover letter, including position title, department and job number, to Cynthia Smithbower.

Current Cornell employees should submit an employee transfer application, resume and cover letter. Outside applicants with training and/or experience in the following areas are encouraged to apply: biochemistry, chemistry, microbiology, electronics, physics and licensed animal health technicians.

\*Position: Technician, GR24. Technical Department: Equine Drug Testing & Research - Monticello  
Description: Assistant Director of a field drug testing laboratory at Monticello Raceway. Provide analysis of blood and urine samples using thin layer chromatography and gas chromatography. Supervise 3 to 5 technicians in absence of director.  
Requirements: Bachelor's degree or equivalent in chemistry, biochemistry or toxicology or equivalent preferred. Experience in isolation, purification and identification of drugs. Thin layer chromatography experience required. Experience in operation of gas chromatograph. Apply by March 14, 1986.  
Minimum Starting Salary: \$15,370  
Job Number: TO81

\*Position: Technician, GR22 (Repost)  
Department: Pharmacology  
Description: carry out experiments relating to research into diarrheal disease. Duties include preparing solutions, animal handling (usually rodents) analyzing samples, calculating data and preparing graphical representation of results; use a variety of scientific equipment.  
Requirements: Bachelor's degree or equivalent in biochemistry or a similar subject. Two to three years laboratory experience. Familiarity with basic statistics.  
Minimum Starting Salary: \$13,141  
Job Number: T251

\*Position: Technician, GR18  
Department: Equine Drug Testing & Research  
Description: Maintain inventories of chemicals and supplies; package and ship supplies and samples; transport samples and materials via carein local area; coordinate service on program vehicles; assist in horse care; samples collection and general lab care.  
Requirements: Associate's degree in chemistry or equivalent knowledge of chemicals. Valid driver's license. Experience with stock room procedures preferred. Safe driving record necessary. Apply by March 14, 1986.  
Minimum Starting Salary: \$10,920  
Job Number: TO83

Position: Technician, GR18  
Department: Equine Drug Testing - New York City  
Description: Perform analysis of blood and urin in a field drug testing laboratory to serve Aqueduct, Belmont and Saratoga race tracks. Relocation to Saratoga Springs, NY for the month of August each year. Assist laboratory director as requested.  
Requirements: Associate's degree in chemistry or related field. Some experience with Thin Layer Chromatography and general laboratory procedures required. Familiar with gas chromatography essential. Apply by March 7, 1986.  
Minimum Starting Salary: \$10,920  
Job Number: TO71

Part-time

\*Position: Secretary, GR18  
Department: Human Development and Family Studies  
Description: Assist principle investigation with secretary/administrative details of grant. Word processing; data entry; monitor funds. Other duties as assigned. Part-time, regular until January 31, 1987. 20 hours per week.  
Requirements: High school diploma or equivalent. Secretarial school desirable. Medium typing. Strong typing/word processing skills. Experience with IBM PC preferred. Knowledge of WordPerfect and Lotus helpful.  
Minimum Starting Salary: \$10,920/annual equivalent  
Job Number: CO75

\*Position: Custodian, SO16 (Two positions)  
Department: Statler Inn - Endowed  
Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Days and hours vary depending on hotel occupancy. Approximately 30 hours per week.  
Requirements: Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.  
Minimum Starting Salary: \$4.84/hour  
Job Number: SO84, SO85

Position: Senior Information Assistant, GR20  
Department: Reference - Olin Library  
Description: Assist library patrons in using Cornell libraries by providing information about the libraries organization and services; handle complex bibliographic and government document questions; recommend and provide instruction in use of reference tools; use and teach the use of manual library files; search in automated library files; screen and verify ILS loan requests for monographs. Part-time, regular; 20 hours per week to be arranged; includes evenings and weekends.  
Requirements: Bachelor's degree preferably in social sciences or humanities or equivalent; knowledge of at least one foreign language. Strong interpersonal and communication skills. Experience working in an academic/research library and/or teaching is desirable.  
Minimum Starting Salary: \$12,209/annual equivalent  
Job Number: CO78

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 256-5226.

\*Position: Technical Assistant  
Department: Veterinary Pathology  
Description: Wash laboratory glassware to include acid bath, preparation of solutions; filing paraffin blocks and glass slides; other duties as supervisor directs. Part-time, temporary; Monday -Thursday, 2:30-6:30; Friday, 2:30-5:30; 19 hours per week.  
Requirements: High school diploma with chemistry courses. Should be able to lift up to 50 lbs and work with minimum direct supervision. Prefer previous lab experience but will train. Apply by March 7, 1986.  
Minimum Starting Salary: \$3.35/hour  
Job Number: TO82

Position: Temporary Museum Education Assistant, GR19 (Repost)  
Department: Johnson Museum  
Description: Assist in planning, teaching and documenting museum/school workshops for elementary and secondary grades; conduct tours of museum collections and exhibitions; and assist with conducting special museum related events. Full-time, temporary until June 30, 1986.

Requirements: Bachelor's degree in art history, fine arts, art education, museum studies or related field. Previous teaching experience with children is required.  
Please send cover letter and resume to Laurie Worsell by March 3, 1986.  
Minimum Starting Salary: \$6.35/hour  
Job Number: CO613

Position: Temporary Office Assistant (Repost)  
Department: Veterinary Medical Teaching Hospital  
Description: Work as a floater in the Teaching Hospital with Small, Large and Ambulatory Clinics, and the Hospital Administration Office. Will be expected to perform as telephone operator, admissions cashier, appointment secretary, mail clerk, radio dispatcher, and adminis-

trative secretary. Full-time, temporary; Monday - Friday, occasional Saturdays.  
Requirements: High school diploma or equivalent. Medium typing. Medical office assistant, secretarial school and/or education in animal health technology helpful. At least 2 years office experience. Strong interpersonal and communication skills and ability to work under pressure required. Working knowledge of medical terminology or medical background desirable. Please send cover letter and resume to Laurie Worsell.  
Job Number: CO42

Academic

Please contact department directly.  
  
\*Position: Assistant Executive Director  
Department: Education

# LECTURES

## Flip of a Coin, 'Roll of Dice' 'Not as Random as You Think'

The flip of a coin and the roll of dice depend on more than chance, Persi Diaconis will demonstrate in a public lecture here Monday, March 3.

"Things aren't as random as we think," says the Stanford University professor of statistics and former professional magician. His public talk — "The Search for Randomness" — is the first in the 1986 D. R. Fulkerson Lecture Series, sponsored by Cornell's School of Operations Research and Industrial Engineering.

Diaconis will give his lecture and demonstration at 4 p.m. in Hollis E. Cornell Auditorium of Goldwin Smith Hall. He also will deliver two technical lectures: "Projection Pursuit" at 4 p.m. Tuesday, March 4, in B-14 Hollister Hall, and "Generating a Random Rotation Using Random Reflections" at 4 p.m. Wednesday, March 5, at the same location.

The Fulkerson lectures, now in their sev-

## Capital Cities/ABC CEO to Talk

Thomas S. Murphy, chairman and chief executive officer of Capital Cities/ABC Inc., will lecture on "What You Need ... Besides Your MBA" here Wednesday, March 5.

His talk, the Lewis H. Durland Memorial Lecture, will begin at 4 p.m. in Bache Amphitheater of Malott Hall.

Murphy is a founder of Capital Cities Communications Inc. One year ago, in the largest media merger ever, Capital Cities paid \$3.5 billion to acquire the American Broadcasting Co.

At that time, Business Week reported that, "Experts consider Capital Cities the best-managed media company in the nation." Murphy has been praised widely for a decen-

Contact: William H. Deming, Search Committee, Rural Schools Program, 408 Roberts Hall, Cornell University, Ithaca, NY 14853  
Job Number: AO81

\*Position: Senior Research Associate II  
Department: International Agriculture  
Job Number: AO82

Position: Research Associate: Ph.D. in chemistry with specialty in Magnetic Resonance essential.  
Contact: INT 51, NYS Job Service, 677 South Salina St., Syracuse, NY 13202.  
Job Number: AO71

Position: Lecturer/Staff Attorney  
Department: Cornell Legal Aid Clinic  
Contact: Barry Strom, Director, Cornell Legal Aid Clinic, Myron Taylor Hall  
Job Number: AO72

enth year, honor the internationally noted mathematician who served as the Maxwell Upson Professor of Engineering at Cornell from 1971 until his death in 1976.

An expert in sleight of hand magic, Diaconis will use the public lecture to show how physics and probability combine to influence the outcome of seemingly random events.

He brings to his scientific study of probability 10 years experience as a traveling magician. The inventor of hundreds of card tricks, Diaconis was once rated by other professional magicians as among world's top three in close up or table-side magic.

Diaconis, who left home and the Juilliard School of Music at age 14 to become a professional magician, holds a Ph.D. in mathematical statistics from Harvard University. Before joining the Stanford faculty, he was a member of the research staff at AT&T Bell Laboratories.

tralized, hands-off management style.

The company owns and operates the ABC television network and eight affiliated television stations, seven radio networks, and 17 radio stations, and provides programming for cable television. The company also publishes nine daily newspapers in seven markets, 38 weekly newspapers and shopping guides, and various specialty and business periodicals and books, and distributes information from electronic databases.

The Durland Lecture is held by Cornell's Johnson Graduate School of Management in memory of Lewis H. Durland, treasurer emeritus of Cornell.

## '80 Nobel Winner Will Speak

Argentine human rights activist Adolfo Perez Esquivel, winner of the 1980 Nobel Peace Prize, will speak on "Foreign Debt, Human Rights, and Democracy" here Wednesday, March 5.

His lecture will begin at 7:30 p.m. in Kaufmann Auditorium of Goldwin Smith Hall.

Perez Esquivel, a sculptor and professor of art and art history, also will lead an informal discussion on "A Christian Alternative: Liberation and the Non-Violent Struggle" at 4 p.m., March 5, in the Founder's Room of Anabel Taylor Hall.

His visit is being sponsored by Cornell's Latin American Studies Program.

Perez Esquivel gave up his academic career in 1974 to form the organization "Peace and Justice Service." He was jailed and tortured by Argentine authorities in 1977 for actively working against and speaking out on

human rights abuses. He was held without trial for 15 months.

His campaigns for human rights have taken him to Ecuador, Paraguay, Brazil, the United States, and Europe.

During his Cornell lectures, the 54-year-old human rights activist is expected to discuss his view that the foreign debt burden of Latin American countries is "a new form of economic slavery imposed upon underdeveloped nations."

"If the banks demand that we repay the loans, there will be a tremendous explosion throughout the continent," Perez Esquivel has said.

The Nobel committee cited Perez Esquivel for having "devoted his life to the struggle for human rights since 1974," according to Current Biography.

## 'Africanisms in the Americas'

John F. Szwed, the Musser Professor of Anthropology and Afro-American Studies at Yale University, will give a public lecture here March 5.

His topic will be "Africanisms' in the Americas: The View from Artistic Performance." The lecture is scheduled for 4:30 p.m. in the Hollis E. Cornell Auditorium of Goldwin Smith Hall.

## Barton Blotter

A \$7,500 power supply unit for a laser was reported stolen from the loading dock of Olin Hall sometime between 1 p.m. Saturday, Feb. 15, and 3 p.m. Sunday, Feb. 16, according to the morning reports of the Department of Public Safety for Feb. 18 through 24.

The theft was one of 23 on campus amounting to losses in cash and valuables of \$10,221 reported over the seven-day period.

Thirteen of the thefts were of cash totaling \$281.86; seven from various offices on campus and six from wallets. Included were thefts of \$90

from Olin Hall, \$25 from Goldwin Smith Hall, \$19 from Uris Hall, and \$32.86 from Myron Taylor Hall.

Other thefts reported were two gold rings and a watch valued at \$565 taken from the Sage Hall Dining Room, a \$325 calculator stolen from Oxley Polo Arena, clothing and ladies accessories valued at \$794.50 taken from Sheldon Court, and a \$200 bicycle taken from University Hall No. 4.

Two persons were referred to the Judicial Administrator; one on charges of altering a parking permit and the other on criminal mischief.



## Gymnasts, Swimmers at Home This Weekend

By JOHN HERON  
Sports Information

Two Cornell teams will provide the athletic excitement in home sporting events this weekend, while four other teams will be competing in post-season tournaments away from home.

Teagle Hall will be the site for gymnastics action when Cornell is host for the AIWA New York state championships at 2 p.m. Saturday. The men's swimming team will meet Princeton at noon Saturday in the Teagle pool, in a meet to decide the EISL league champion.

In league championship action, the women's swimming team will compete in the Easterns at Penn State Thursday through Saturday. Cornell finished 11th last year. The wrestling team also faces Eastern competition. The squad, which finished the dual meet season with a 6-8 record, will be at Lehigh for the EIWA championships Friday and Saturday. The Big Red grapplers placed seventh a year ago.

On Saturday and Sunday, the women's

hockey team will play in the Ivy League tournament at Brown, the league's first since the 1981-82 season. The Red, which finished second in the league's regular season, plays Princeton in its semifinal game Saturday morning. The men's gymnastics team will compete in the NAGL championships Saturday and Sunday at Cortland. The squad placed second in the event last year.

This will be the first time Cornell has served as host for the state women's gymnastics championships, which returns after a one-year absence. Cornell is the defending champion and has won three straight crowns. Joining Cornell in the competition will be Ithaca College, Hunter College, and Brockport. Cornell has won the state crown five times and is considered the favorite to take this year's title.

In last week's Ivy League championships, the women gymnasts were edged by Yale for the league title. The Elis piled up 173.25 points while the Red, which was the defending champion, placed second with 167.75. Individual standouts for the Big Red included sophomore Jeanne Pitts and freshman Suzanne Black. Pitts tied for the league crown in the vaulting competition, scoring 9.1, and she tied her season-high in the all-around (34.65) to capture third place. She also took fifth place on balance beam (8.25) and finished second on floor exercise (8.9). Black was impressive in her first Ivy meet, scoring 8.45 to take fifth place on floor exercise and tying for fourth on uneven bars (8.65). Two seniors closed out their league careers with fine showings. Julie Hamon took fifth place in the vault (8.75) and was sixth in the all-around (33.05), while Lisa Stroud garnered sixth overall on uneven bars (8.6).



BANNEROT



EPSTEIN

### Swimming Standouts

The men's swimming team carries a 9-1 record and a 7-1 conference mark into this weekend's showdown with defending EISL champion Princeton. A win will give the Big Red a share of the league crown with Princeton, similar to the 1983-84 season title when it beat the Tigers 71-42 in Teagle to share the title with Harvard and Princeton. The Tigers have dominated the series, winning 32 of 37 previous meetings. Princeton, currently 8-0 in the league, easily handled Cornell last season, posting an 82-31 victory.

The Red earned the right to compete for the championship with a 74-38 win over Dartmouth last weekend. Junior Steve Bannerot continued his winning ways off the board, taking first in both the 1- and 3-meter diving events. Senior Andy Epstein was also a double winner in the 50- and 100-yard freestyle races. Sophomore Rob McMorrow won the 1,000 freestyle and copped second in the 500 free, placing behind classmate Jeff Evans. Junior Rich Pease finished first in the 200 backstroke and was second in the 200 individual medley.

## Brief Reports

### Microcomputers Teach Water Management

Microcomputers for teaching water management will be the focus of a talk and demonstration at a Cornell Computer Services seminar at 12:20 p.m. today in Room 100 of Caldwell Hall.

Tammo S. Steenhuis, assistant professor of agricultural engineering, will introduce the current versions of MOUSE (Method of Underground Solute Evaluation) and GWMA (Ground-Water Manager's Assistant) designed for the IBM-PC. This combination of mathematical modeling and interactive graphical user interfaces is a unique ground-water analysis tool, according to Steenhuis. It helps the user integrate information about different human and environmental factors into an understanding of how each factor governs overall system behavior.

Steenhuis' work has been sponsored by IBM as part of Project Ezra.

"The Social Scientist's Workbench" will be the CCS seminar topic at 12:20 p.m. Thursday, March 6 in 100 Caldwell Hall. Doug Davenport of the Microcomputer Evaluation and Development Facility will be the speaker.

### Sonia Sanchez to Read From her Poetry Tonight

A poetry reading by Sonia Sanchez, one of the events in a month-long celebration for Black History Month, will be held at 8 p.m. today in the Memorial Room of Willard Straight Hall.

Sanchez is considered one of the leading black poets and writers in America today. She is the author of books, plays, and poetry anthologies.

The reading is sponsored by the Third World Student Program Board and the Willard Straight Program Board. For more information, contact Ron Reeves at 256-4311.

### Women's Studies Talk To Focus on DES

Susan E. Bell of the Department of Sociology and Anthropology at Bowdoin College will lecture on "Theory and Practice in Medicine for Women: The Case of DES 1938-41" at 4:30 p.m. today in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

Her talk is part of a year-long interdisciplinary lecture series on "The Female Body" sponsored by the Women's Studies Program.

Bell is currently an assistant professor at Bowdoin and a research fellow in sociology at the Massachusetts Mental Health Center of the Harvard Medical School. She is currently working on a book "The Social Construction of Medical Innovation: The Case of DES," (diethylstilbestrol, a non-steroidal synthetic estrogen), and on a comparison of the medicalization of menopause (in the 1930s and '40s) with the medicalization of the premenstrual phase of the menstrual cycle (in the 1980s).

### Lecture Series Deals With American Indian

A series of lectures on historic and contemporary issues affecting the American Indian is being conducted during this term, sponsored by the American Indian Program here.

The lectures are being held at noon in 250

Caldwell on the remaining dates of March 7 and 21 and April 4 and 18. Presenters are Ron LaFrance, extension associate; Jose Barreiro, editor of Indian Studies, and Susan Shedd, art historian formerly with the Herbert F. Johnson Museum of Art.

Subjects include a historical overview of and contemporary issues among the Iroquois Confederacy in New York state; a historic view of journalism that portrayed the Iroquois and a contemporary view of Indian literature, and an introduction to contemporary Iroquois artists as well as Indian art within art history.

### Class of '88 Plans Monte Carlo Night

The Class of 1988 Student Council will hold a Monte Carlo Night from 9 p.m. to midnight Saturday, March 1, in Willard Straight Hall's Memorial Room to benefit the Greater Ithaca Activities Center.

The event will feature casino games, entertainment, refreshments, guest dealers from Cornell's faculty and administration, and an auction of goods and services donated by many area businesses.

"The response has been terrific," said Steve Werblow, one of the organizers of the project. "Individuals and businesses have been very willing to donate time and merchandise, and everyone is excited at the prospect of helping GIAC and getting involved in a Cornell activity."

### Pesticides Subject Of 'Facets' TV Show

The fifth show in the "Facets: Excursions into Science" series will be aired on cable channel 13 at 6 p.m. today.

This show includes interviews with David Pimentel, professor of entomology, and Keith Porter, deputy director of the Center for Environmental Research Water Resources Program.

Pimentel is interviewed about the broad implications of pesticide use in the U.S. and other countries, and about his laboratory experiments on predator-prey relationships in insects. Porter is interviewed about the ubiquitous pesticide contamination of groundwater supplies in rural areas on Long Island.

Facets is produced by the Tompkins County Public Library, co-sponsored by the Center for Environmental Research, and hosted by Kathi Mestayer, external affairs assistant to the CER director.

### Poet William Matthews To Read from Works

William Matthews, author of Flood, Ruining the New Road, and three other collections, will read from his poetry at 8 p.m. on Wednesday, March 5, in the Temple of Zeus.

A frequent contributor to The Atlantic, Matthews teaches at Columbia University.

### Barbara Ehrenreich Telluride Lecturer

Barbara Ehrenreich, feminist and author most recently of "The Hearts of Men: American Dreams and the Flight from Commitment," will be the 1986 Telluride lecturer.

She will be on campus March 10 through 12, and will give a talk entitled, "The Feminist Movement Today: A Historical Perspective" on Monday, March 10. The talk will be at Hollis E. Cornell Auditorium, Goldwin Smith Hall, at 4:30 p.m. A reception at Telluride House will follow.

## Fans Do Barton-Lynah Shuffle

By RANDY SHEW

Thousands of sports fans did the Barton-Lynah Shuffle last weekend as both men's basketball and hockey closed out their regular home season schedules on high notes.

The scheduling "problem" that puts both hockey and basketball (far and away the major winter sports here) at home on the same night has proved to be exactly the opposite in many ways.

Athletic Director Laing Kennedy said the solution of having basketball played at 6:30 p.m. and hockey at 8:30 has worked out very well.

"Logistically, it works," he said, "because basketball generally takes 1 1/2 to 2 hours to play, and hockey about 2 1/2 hours, so we really couldn't put hockey first without throwing basketball way late in the evening."

"Also, it makes for efficient staffing for gate people and ushers and for the Department of Public Safety in crowd control and traffic management."

He said both coaches and many fans liked

the doubleheader concept, and that it lends itself well to promotion. "Also," he said, "it's absolutely glorious when both teams win." That happened Saturday night, but Friday was spoiled slightly when hockey lost in overtime to Yale. Both teams, however, are still in the running for postseason play.

He said that while Cornell is not working actively to do its scheduling so that hockey-basketball doubleheaders occur in the future, it also is not working against it.

"With a 12-team league in the ECAC in hockey and an eight-team league in Ivy basketball, and all league games being played on Friday and Saturday nights, it's bound to occur once in a while," Kennedy said, "and when it does we'll do what we did this weekend. I'd much rather have a doubleheader in February than single games during intercession when the students are away."

There were the usual 4,200 fans both Friday and Saturday nights for the hockey games at Lynah Rink, but basketball had bumper crowds in Barton of 4,000 Friday and 5,000-plus Saturday.

Kennedy said that while the "shuffle" was successful last weekend, the ideal situation as far as he is concerned is to have hockey home one weekend and basketball the next.

"That's ideal but it doesn't often work out that way. Scheduling is an absolute nightmare."

## Sociology

Continued from Page 1

and convergences among the social sciences and disciplines such as ecology, biological evolution and population genetics, he said. Linkages in other areas include microeconomics, international relations, and political and policy analysis, Williams added.

In his statement on editorial policies, Williams rejects the attitude that "you must be out of your mind to try it," an implied reaction he says he received when the idea for the journal was broached in 1983.

Williams says the first and upcoming issues of the journal will vindicate the faith that he and many others have had in the project.

Articles in the current issue discuss the use of social space, similarities and differences in the language and nonverbal communication of men and women, and transmission of values in the family. More than 2,500 copies of the 200-page journal came off the press this month.

Articles in the spring issue will focus on the right-to-life movement, high-technology protest movements, and the Three Mile Island nuclear power plant.

While the idea for the journal grew out of the work of Cornell sociologists, the new publication has been adopted as the official journal of the 1,500-member Eastern Sociological Society.

"With Robin Williams in charge, we know it will be an innovative journal and a major force in social sciences in America," says Charles Selengut, executive officer of the Eastern Sociological Society.

### SAGE CHAPEL Presbyterian Minister To Speak Sunday

Daniel Little, minister at The First Presbyterian Church of Ithaca, will preach at Sage Chapel on Sunday, March 2, at 11 a.m. His sermon topic will be "Religious Superiority is Dangerous to Our Health."

Little has served the General Assembly of the United Presbyterian Church for 22 years. He went to McCormick Theological Seminary in Chicago after graduating from Princeton University in 1951. While at McCormick, he became involved in training programs of the Presbyterian Institute of Industrial Relations, which set an early direction toward inner-city pastoral ministry. This direction led to two years in London, England, (a group ministry in three congregations in the industrial East End), and to six years in Pittsburgh (a new church development in an interracial public housing community).

LITTLE