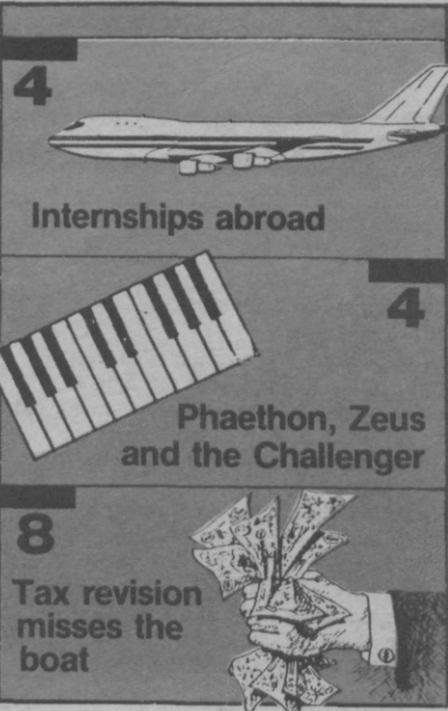


Cornell CHRONICLE

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Cornell receives \$15 million bequest

Cornell recently received the largest bequest in its history and one of the largest ever among the nation's colleges and universities.

E. Vreeland Baker of Houston, Texas, a 1923 graduate of Cornell who died in December 1985, left an estimated \$15 million, the bulk of his estate, to the university. Mrs. Baker died in early 1985.

Cornell has designated the gift to several projects: the establishment of two student financial aid funds worth \$2 million; a research fund and a professorship in the College of Agriculture and Life Sciences; a special projects fund administered by the president and another administered by the dean of the agriculture college.

In addition, \$100,000 will go to an existing scholarship fund and \$500,000 is designated for Cornell's \$26.5 million campaign to upgrade physical education and athletics facilities.

"This is the very best kind of support that we can have to respond to the changing needs of the College of Agriculture and Life Sciences and the university and to meet the basic needs of students. While the bequest enriches the endowment, it also provides flexible support for Cornell's general purpose demands," said Provost Robert Barker.

Baker, who began his Cornell education in 1917, left at the beginning of his sophomore year to enlist in the U.S. Marines. After his discharge, he returned to Cornell and earned a bachelor's degree in mechanical engineering. After graduating, he joined an engineering firm in Tulsa, Okl. and played a major role in the development of the natural gas industry, which was just starting in the mid-1920s.

Over the years he acquired substantial holdings in oil, gas, and mineral rights and settled in Houston. An independent entrepreneur who developed gas wells and fields, Baker also was involved in real estate investments.

In 1982, Baker donated his 302-acre farm along Lake Champlain in Essex County, N.Y. for agronomy field research. The Willsboro Research and Development Farm of Cornell University serves as the hub for research activities in the growing agricultural industry in the state's six-county North Country region.

Baker's roots were in Willsboro, N.Y., where he spent his childhood on land first used by his grandfather for growing apples. Until his death at age 86, Baker spent winters in Texas, but remained active in the operation of his upstate New York farm each spring and summer.

While at Cornell, Baker was a campus leader and earned a Cornell "C" for crew, his major sport.

He and his wife attended the 1981 Cornell reunion and participated in the dedication of the shell "Baker '23" and made a gift to the Feline Health Center at the College of Veterinary Medicine.

Baker was honored in 1982 as one of the university's foremost benefactors when he was named one of the "Builders of Cornell" and his name was inscribed on the terrace wall of Uris Library.

The financial aid, research, and special project funds created by the Baker bequest are:

- the E.V. Baker Professorship of Agriculture, a post awarded effective Jan. 1, 1987, to Robert F. Lucey, former chairman
- Continued on page 2*



E. V. Baker, shown here in a 1984 photo, remained active in the operation of his upstate New York farm each spring and summer. He died in 1985 at the age of 86.

Chinese novelist: Freedom to write, not to publish

Chinese novelist Zhong A Cheng believes that writers always will be free to write in Communist China but that publishing is another question.

"I have always thought that the freedom to write and the freedom to publish are different," said Zhong, one of thousands of students who were banished to the countryside during China's cultural revolution.

"You can always write unless your wife complains that you are working too late. I do not think anyone can deprive a person of the freedom to write. No one can get inside your brain. You can always write.

"But publishing is a different matter. When I write, if the work is not published, I put it back in the drawer. In my view, writing is an aesthetic responsibility. I do not get involved in politics and economics."

Zhong, who spoke to students, most of them Chinese, during a lecture and panel discussion Jan. 16, calls himself a free lance writer because he is not a member of the Communist party or government writing academies in China.

He is one of the few writers in Communist China whose works have become best sellers in Taiwan, which normally prohibits circulation of literary material from mainland China.



Chinese novelist Zhong A. Cheng

Zhong, 37, was in high school in Beijing when Chairman Mao Tse-tung's cultural revolution disrupted schools and forced thousands of students, writers, artists and intellectuals to work in villages and farms.

The novelist, who says he supports himself by painting pictures on private commissions, came to the United States last September to attend the Writer's Workshop

Continued on page 7

Crackdown not seen slowing Peking's economic reforms

China's reforms toward a more market-oriented economy will not be slowed by the stifling of political dissent marked by the ouster of Communist Party chief Hu Yaobang, according to Vivienne Shue, an associate professor of government who specializes in 20th century China, peasant politics, revolution and socialism.

"Economic liberalization and political liberalization are still very much separable in the minds of Chinese leaders," said Shue. "There is a concerted determination to continue these [economic] reforms."

Chinese citizens largely are prospering under the economic reforms and are willing to forego political freedoms for economic change, Shue said. "That constituency is much broader than the constituency in the universities," she added.

"The question is, will this removal of Hu Yaobang be a 'no' that the students will take for an answer? There is a possibility that some will try to push the political system even further by continuing their protests.

"The government really has been working with kid gloves so far," said Shue, who was in China when the student protests began. "They haven't gotten serious about putting down these demonstrations." If the demonstrations continue, stronger suppression is likely, she said.

Shue, who has worked with the National Committee on U.S.-China relations and the Association for Asian Studies, said that Hu's ouster shows that "Deng is still sitting atop an unstable coalition" that is divided over the direction of China's reforms.

That division "has a lot to do with corruption in Chinese political life," according to Shue. As free-market mechanisms are introduced into the economy, government and party leaders who must divide business licenses among competing people are unsure of the new "rules of proper, ethical socialist behavior," Shue said. The results are kickbacks, bribery and fraud.

To one leadership faction, of which Hu was a leader, that corruption can be stopped only by granting political freedoms that provide popular oversight of power. To the other faction, proceeding with democratic reforms "would put too much power into the hands of a people that is not ready to wield it," Shue said.

"It's not clear that Deng Xiaoping was ever the great democrat and political reformer that he's sometimes portrayed as being," according to Shue. "As long as he's there, we can expect him to act in precisely this fashion: when necessary sacrificing the political reform liberals to the interests of the economic reform liberals."

— Mark Eyerly

Notable

Paul J. VanDemark, professor of microbiology, has been selected to receive the 1987 Carski Foundation Distinguished Teaching Award from the American Society for Microbiology.

The national organization cited VanDemark for his "distinguished teaching of microbiology to undergraduate students and for encouraging them to subsequent achievement." The award includes \$2,000 and a plaque.

VanDemark has been a member of the faculty in the College of Agriculture and Life Sciences since 1950. He began teaching introductory microbiology in 1949 when he was a graduate student at Cornell and has been teaching the course for 38 years. He also taught several advanced courses in microbiology.

Medical care, costs are topic

Rising medical costs and changes in health services and government programs will be discussed by 50 Cooperative Extension agents from New York State at a Cornell conference Jan. 21-23.

New York State Assemblyman James R. Tallon Jr., chairman of the Assembly's health committee, will speak on "How New York Cooperative Extension Can Play an Effective Role in Health Policy Education" at 9 a.m. Jan. 23. Tallon is a member of a commission studying the future of Cooperative Extension in the state.

"We are a graying society. Medical costs continue to strain our resources. As a society, we will be forced to decide how much medical care should be provided to whom, and in what ways," said the conference's organizer, Carol S. Kramer, an assistant professor of consumer economics and housing.

"Changes in organization of medical services, such as health maintenance organizations, or HMOs, are confusing to many people," she added. "And as legislators debate changes in government programs, such as Medicare, they hear from hospital administrators and insurance companies, but what about consumers?"

Among the issues to be discussed in presentations and workshops are:

- Availability of maternal and infant health services for low-income families.
- Health services and insurance coverage for the elderly and proposed changes in Medicare.
- The demographic and technological factors increasing the demands for medical services and the costs of providing those services.

The conference will be held at the Shepton Inn in Ithaca.

Lucey named Baker Professor

Robert F. Lucey, former chairman of the Department of Agronomy, has been named the university's first E.V. Baker Professor of Agriculture, effective Jan. 1, 1987.

Through years of research and extension efforts, Lucey has been instrumental in helping northern New York farmers increase their productivity.

The professorship, established by Cornell's Board of Trustees, honors E. Vreeland Baker, Cornell class of 1923, who had a lifelong interest in the agriculture of northern New York State.

Baker, who died in 1985, left his estate to Cornell. Earlier, he had donated his 302-acre farm along Lake Champlain at Willsboro, N.Y., to Cornell for agronomy and field research.

For a quarter of a century at Cornell, Lucey has focused his research on the integration of crop and soil management into efficient dairy farm operations in Clinton, Essex, Franklin, Jefferson, Lewis, and St. Lawrence counties.

The Northern New York Agricultural Development Program, which he helped establish, deals with adaptability and culture of field and horticultural crops, soil and water management, dairy and livestock management, and climate studies.

Lucey has directed the program since its inception in 1961. Also cooperating in the North Country effort are the State University of New York Agricultural and Technical College at Canton and the William H. Miner Agricultural Research Institute at Chazy.

In the first two decades of the project, acreage of corn silage tripled, acreage of corn for grain increased 15 times, and production of corn for grain skyrocketed 25 fold. The number of dairy cows per farm doubled and milk production in the six-county region increased 25 percent, despite the abandonment of some farms.

Bequest *Continued from page 1*

of Cornell's agronomy department, who is credited with establishing and leading the Northern New York Agricultural Development Program for a quarter of a century. Lucey has been instrumental in helping farmers in northern New York increase their agricultural productivity.

- the E.V. Baker Research Fund in the College of Agriculture and Life Sciences, primarily in support of activities at the Willsboro Farm.
- the E.V. Baker Student Aid Fund, with income from the \$1 million endowment to be used for financial aid to undergraduates in the College of Agriculture and

Graduate student dies after fall

Tompkins County's medical examiner is continuing the investigation into the weekend death of a 38-year old Cornell graduate student.

The body of Carlos Gonzalez was found at 7:30 a.m. Saturday in the gorge below the Cascadilla Bridge on College Avenue, according to the Ithaca Police Department, which is also investigating the death.

Police reports say that an employee of Collegetown Bagels saw Gonzalez's car parked on the bridge at about 5:15 Saturday morning.

The body was discovered shortly after daybreak and was removed from Cascadilla



Robert F. Lucey

Recently, a project on beef cattle marketing was added to the program. In just one year's time, the market value of beef cattle on the farms participating in the program increased by \$70 per head, a 28 percent jump from previous years.

"The significant improvements in northern New York agriculture are the direct result of Bob Lucey's research and extension efforts, more than any other person. This latest recognition of his work not only is a tribute to him, but an honor for farmers and agribusiness in the state's North Country," said David L. Call, dean of the College of Agriculture and Life Sciences.

Lucey, who recently completed his second five-year term as chairman of the agronomy department, is a member of the American Society of Agronomy, the Crop Science Society of America, the Soil Science Society of America, the New York Academy of Science, the Soil Conservation Society of America, and several other professional societies, councils, and associations related to crops and soils.

Life Sciences.

- the E.V. Baker Cornell Tradition Fund, with income from the \$1 million endowment to support Cornell Tradition Fellows in the College of Agriculture and Life Sciences.

- the E.V. Baker Dean's Fund in the College of Agriculture and Life Sciences for special projects.

- the E.V. Baker Presidential Fund for Program Development, to be administered by the university's president and provost.

Other income from the Baker estate may be used for facilities or other capital projects, university officials said.

Gorge later in the morning, police said.

Gonzalez, a native of Argentina, was studying agricultural economics. He lived in Hasbrouck Apartments with his wife and two children, according to Jerry Wilcox, director of the International Student and Scholar Office.

The medical examiner's office said Gonzalez died of "multiple trauma consistent with a fall" of about 80 feet, but no determination has been made, regarding suicide.

There will be a memorial Mass on Friday Jan. 23 at 5 p.m. in the Anabel Taylor Auditorium.

Obituaries

James S. Buck

Services were held Jan. 10 in Groton for James S. Buck, 60, research technician in the College of Veterinary Medicine who died Jan. 7 from injuries sustained in an automobile accident.

A staff member of the college for 22 years, Buck had supervised the research animal facility for the Department of Microbiology.

He is survived by his parents, James and Ruth Volbrecht Buck Sr. of Groton; his wife, Catherine Bundle Buck of Groton; two daughters, a sister and a brother.

John Robert Moynihan

John Robert Moynihan, a professor of theoretical and applied mechanics in the

College of Engineering who served as assistant chairman of the department before his retirement in 1971, died Dec. 15 in Tompkins Community Hospital. He was 80.

Moynihan, who was born in Buffalo, a son of the late Cornelius E. and Mary Fitzgerald Moynihan, was educated at Cornell and began teaching here as an instructor in 1929.

He received a master's degree in mechanical engineering in 1932 and served as chairman of the Department of Materials, acting chairman of the Department of Mechanics and as secretary of the faculty of the College of Engineering.

His wife, Loretta Scanlon Moynihan, died in 1975. He is survived by a daughter, Mrs. Maureen M. Schmitt of Ithaca, and a granddaughter.

Briefs

■ **Breakfast with the president:** There are a limited number of openings available for students interested in eating breakfast with President Frank Rhodes. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhurst Room, Willard Straight Hall at various times throughout the semester. Reservations are made on a first-come, first-served basis. To make a reservation, call 255-5201.

■ **Wintersession 1987-88:** A reminder to faculty that it is not too early to begin planning for the development of new courses and field study programs. The same goes for the Summer Session for 1988. For more information, contact the office of Dean Robert D. MacDougall, B12 Ives Hall, 255-4987.

■ **Student-elected trustees:** Informal sessions for students interested in being a trustee will be held at the A. D. White House Jan. 26 at 4:30 p.m., Feb. 3 at 5:30 p.m. and Feb. 9 at 5:30 p.m. Attendance at one of the three meetings is required. Candidates must be at least 18 years of age and registered students expecting to remain at Cornell as students until June 1989. Election will be March 17 and 18. For more information, call the Office of the Assemblies. Petitions for the 1987-88 Student Assembly and referendum petitions are available in 165 Day Hall. They are due by noon Feb. 13.

■ **Wielgus appointed at Gannett:** Mark S. Wielgus has been appointed acting director of psychological services at University Health Services as of Jan. 2. A graduate of the University of Pennsylvania, Wielgus received his doctoral training in clinical psychology at SUNY Binghamton. He succeeds Stephen Campbell, who resigned from the service at the end of the fall term.

■ **Young joins Graduate School office:** David Young, director of Bailey Hortorium, recently assumed the responsibilities of associate dean in the Graduate School. Young will assist Dean Alison P. Casarett with administrative operations and policy development. The Graduate School's assistant dean is Joycelyn R. Hart.

Young, 40, is a botanist by training. He received his Ph.D. in that field from Claremont Graduate School in California, and he came to Cornell in 1982 to direct the Hortorium. He will continue as director for the next six months in addition to his position with the Graduate School.

■ **English program for visiting scholars:** "English as a second language," a non-credit course for visiting academicians who wish to improve their English language basic skills, particularly speaking and listening comprehension, will be offered in a six-week and a 12-week course.

The six-week course meets four times a week: Monday, Tuesday, Wednesday and Thursday evenings from 4:30 to 6:30 p.m., beginning Feb. 9 and ending March 19. The 12-week course meets twice a week: Monday and Wednesday evenings from 4:40 to 6:30 p.m., beginning Feb. 9 and ending May 6.

All activities will be oriented toward what will be most useful to scholars during their stay and will include informal conversation, formal presentations and individual help with pronunciation.

The course fee is \$400. Registrations should be submitted by 4:30 p.m. Feb. 3. For registration information, call Patricia Updike, 255-7259 and for information about course contact, call Mary K. Redmond, 255-8288.

■ **Student health requirements:** Students' spring registration will be delayed by a medical hold for failure to complete health requirements, including immunization against tetanus/diphtheria, measles and rubella. A chest X-ray is required of students from Third World countries. The fee for late registration is \$75.

Appointments at Gannett Health Center are available on a walk-in basis (no appointment necessary) between the hours of 8:30 and 11 a.m. and 1 and 3:30 p.m.

■ **Weather calendar:** The Cornell Chapter of the American Meteorological Society is selling the 1987 Ithaca Weather Calendar, available for \$3 in 113 Bradford Hall or by mailing a check to CCAMS, 113 Bradford Hall, Cornell University, Ithaca, N.Y., 14853. Supply is limited.

Cornell CHRONICLE

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

Hotel School chair filled

Professor Craig Lundberg has joined the faculty of the School of Hotel Administration as the first Kenneth and Marjorie Blanchard Professor of Human Resource Management.

"I'm honored to be the first Blanchard chairholder and to be at Cornell," Lundberg said. "I think establishment of the chair means the hotel school is committed to making major contributions to this field in the hospitality sector. This recognizes that human resource management is an area of growing importance to both hotels and associated institutions."

Lundberg has been a professor of management and organization at the University of Southern California's business school since 1982. He served as chairman of that department from 1982 to 1984.

He received a Ph.D. from Cornell in 1966 after earning bachelor's and master's degrees in business administration at the University of Washington in Seattle.

Among positions he held subsequently were an assistant professorship of industry at the University of Pennsylvania's Wharton School of Finance and Commerce from

1966 to 1969 and deanship and a professorship of the School of Management at the State University of New York at Binghamton from 1979 to 1982.

The new chair in human resource management was established by two Cornell graduates, Kenneth A. and Marjorie McKee Blanchard, whose company conducts management training programs. Kenneth Blanchard also is co-author of "The One-Minute Manager" and other books.

"Cornell is in our blood," Kenneth Blanchard said in June when the decision to endow the professorship was announced. He received his bachelor of arts degree from Cornell in 1961 and a Ph.D. in 1967, also from Cornell. Marjorie Blanchard received her bachelor of arts degree from the university in 1962.

"Our fantasy is that, in five years, everybody in the country will say, 'If you want to see the best program in managing and motivating people, look at Cornell University,'" Kenneth Blanchard said during an appearance on campus earlier this year.

— Barry Gross



Craig Lundberg

Symposium marks Hatch Act

The Agriculture and Liberal Arts Project has planned a 10-week-long spring semester symposium on "Public Agricultural Research: Historical and Comparative Perspectives."

The symposium celebrates the centennial of the Hatch Act, which authorized federal funding for agricultural research to the land-grant universities, including Cornell.

The series will include distinguished speakers from both agricultural and liberal arts disciplines.

Each of the speakers will emphasize the historical background of the development of public agricultural research and its impact on the United States and on the world community.

The series begins Feb. 5 with National Science Foundation Visiting Professor Margaret W. Rossiter, who will speak on "The Development of Agricultural Science in the United States."

All symposium presentations will be held in the Morrison Room in Corson Hall from 3 to 4:30 p.m.

This little piggy went to market . . . leaner

Cornell scientists believe they can make a major impact on the nation's swine industry through the use of somatotropin, known popularly as growth hormone.

Daily injections of the hormone make young pigs grow faster and more efficiently and with dramatically leaner meat. This could result in significant savings in feed costs to producers and could permit health-conscious consumers to buy pork with markedly less fat.

"These findings represent a major step forward for the nation's swine industry," Cornell animal scientist R. Dean Boyd said.

Boyd, an associate professor of animal science and a swine specialist in the College of Agriculture and Life Sciences, has tested the effects of the hormone on growth, feed efficiency and carcass composition (meat, fat and bone).

One hundred pound pigs treated with somatotropin grow 15 to 18 percent faster than untreated pigs, reaching market weight of 220 to 230 pounds seven to 10 days quicker, Boyd said.

That translates into savings of about 100 pounds of feed per pig, representing a 30 percent gain in feed efficiency, a standard measure used to calculate the feed needed for each pound of gain.

Because higher protein diets were required as compared to typical diets, actual overall savings in feed costs boil down to 24 percent, Boyd said, adding, "This is still an

incredible savings."

At the same time, the quality of carcass improved in pigs treated with somatotropin. Total fat was reduced by as much as 55 percent, and the fat within muscle dropped by 44 percent.

"The total yield of lean muscle increased by 15 to 18 percent per carcass," Boyd said.

He conducted his study using natural pig somatotropin, produced by the animal's pituitary gland and provided by a biotechnology firm called AMGen Co.

As with bovine somatotropin, which has been shown to boost cows' milk production, natural and biosynthetic porcine somatotropins are proteins. The substances must be in the animals' bloodstreams to be effective. If they are eaten, they have no effect, because they are digested like any other proteins. Thus, pork from hormone-treated hogs should be safe for human consumption.

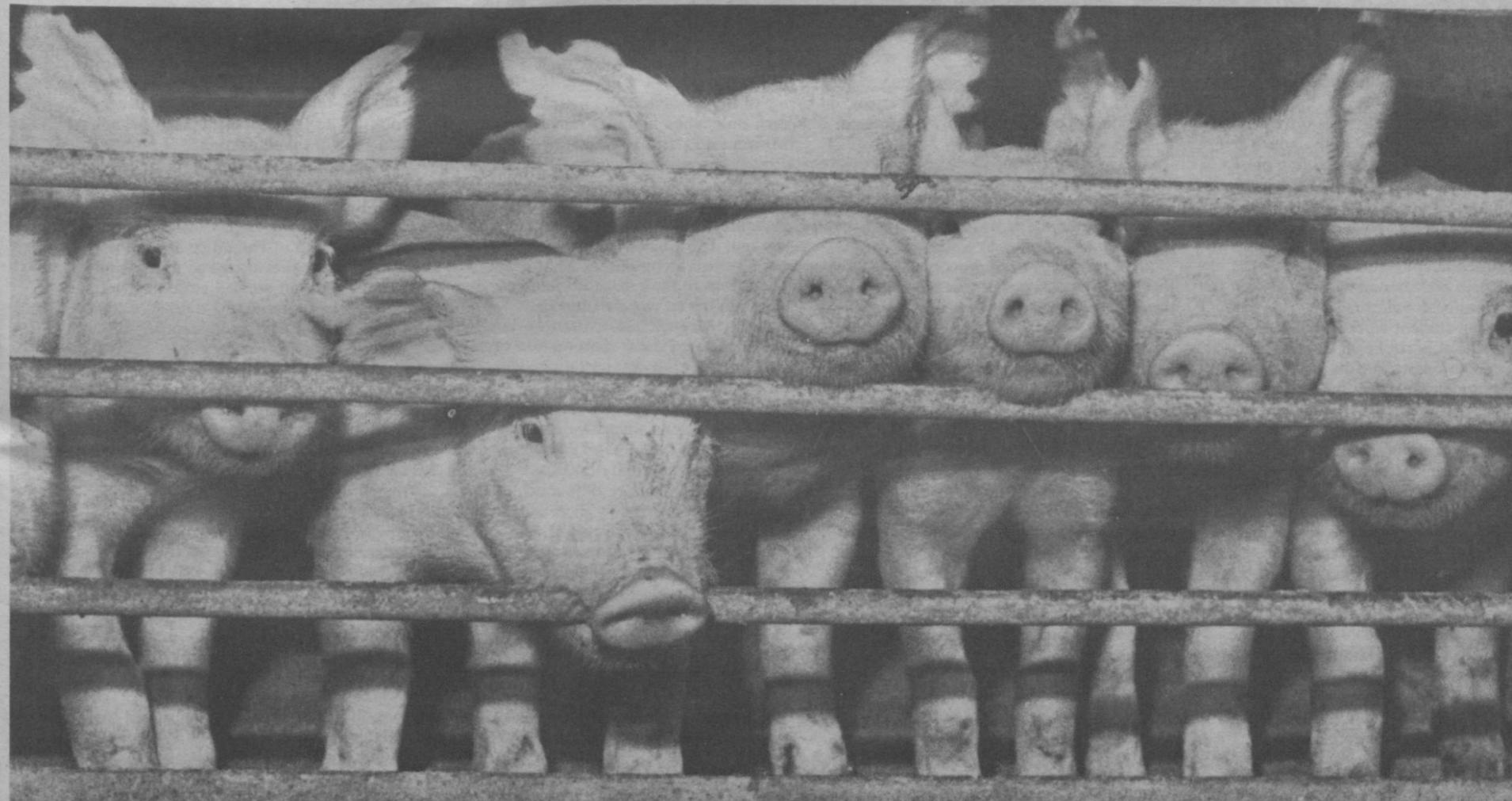
Boyd said the dramatic gain achieved in production efficiency matches eight to 10 years of intensive genetic improvements made possible through traditional breeding programs.

It will be several years before somatotropin could be made available commercially. "It will be subjected to stringent tests by the Food and Drug Administration to ensure safety to both humans and animals," Boyd said.

— Yong H. Kim



R. Dean Boyd injects a pig with somatotropin, or growth hormone, which will hasten its growth to a market weight of some 220 pounds and at the same time produce leaner meat.



These young pigs, weighing about 25 pounds each, will begin receiving experimental growth hormone injections once they reach 100 pounds.

Photo by Claude Levett

Steven Barbash exhibit opens at Johnson Museum

The Herbert F. Johnson Museum of Art will open the new year with "One Man's Nature: Works on Paper" by Steven Barbash, on view from Jan. 20 through March 8.

The Herbert F. Johnson Museum of Art will open the new year with "One Man's Nature: Works on Paper" by Steven Barbash, on view from Jan. 20 through March 8.

The exhibition features 50 works by Barbash, Distinguished University Professor at the State University of New York at Cortland, and includes his monumental landscape drawings, depicting scenes in and around Cortland, "chine colle" etchings and selections from his "Lady and Turtle" series.

The series, a study in textures, uses drawing, etching, and oil paint to examine the relationship between a rough turtle carcass and a sensual nude figure. "Birds," a large etching completed in 1977, also will be on display.

Among Barbash's landscapes, Ithaca residents may recognize the view depicted by the drawing "Lower Treman Falls, February." Completed in 1981, the work was

based on quick, on-the-scene sketches and photographs of one of Ithaca's spectacular gorges. Other pieces from a series of large-scale but detailed landscape drawings include "Myth of Fall Creek," "Dog Watching Raystown Branch" and "Church Street," an urban landscape of downtown Cortland.

Also at the museum, the 1987 Council of the Creative and Performing Arts Exhibition of Individual Awards opens Jan. 27 and will continue through March 8.

The Cornell University Council of the Creative and Performing Arts began a program of annual awards in 1976 for art projects proposed by students and members of the nonacademic staff.

Like the exhibitions of previous years, the show includes the works of approximately 50 artists funded by the council. Their works range from painting, sculpture and graphics to video, musical scores and apparel design.

Three Sunday afternoon programs of music, poetry, dance, apparel design, and film will be held during the month of February.



Malcolm Bilson, who will celebrate Mozart's birthday Jan. 27 at Barnes Hall.

Bilson to play Mozart sonatas

Mozart's birthday will be celebrated with a concert by Malcolm Bilson, leading advocate of 18th century fortepiano and of Mozart's music, Jan. 27 at 8:15 p.m. in Barnes Hall. Admission to the concert is free.

Bilson will perform Mozart's Sonata in B-flat Major, K. 281; Sonata in D Major, K. 311; Sonata in F Major, K. 280; and Sonata in B-flat Major, K. 333 — all on the fortepiano.

That instrument, invented in Italy and so called because it was the first keyboard instrument that could play both loudly (forte) and softly (piano), was nearly forgotten after the appearance of modern pianos.

Bilson rediscovered the instrument's clear tone, delicate colors and subtle dynamic graduations. After his initial shock over the tinny and uncontrollable sound, he found the instrument has a beauty of its own. And it produces a sound more authentic to Mozart's work.

For the past decade, Bilson has promoted the fortepiano at universities, early-music festivals and concert halls here and abroad.

'Phaethon' overture dedicated to astronauts

In honor of the anniversary of the U.S. Constitution, the Philadelphia Orchestra recently premiered the first of six specially commissioned works. The composer is Christopher Rouse, who holds a doctor of musical arts degree from Cornell.

The work is an overture entitled "Phaethon," suggested by Greek mythology. Phaeton, the son of Helios, was asked to drive his father's chariot of fire through the sun, Rouse explained. But he couldn't control the horses. Zeus had to knock him out of the sky with a thunderbolt. He crashed to earth and was killed.

Rouse said he had just reached the point in his composing where the thunderbolt hit, when he turned on the television and learned the space shuttle Challenger had fallen to earth. "It was a sad coincidence," he recalled. He dedicated the piece to the astronauts.

"Most people associate my music with being fast and loud," Rouse said. "This work will not disappoint them. It is again fast and loud."

He characterized his music as "not part of the Neo-Romantic tide. It is atonal, heavily dissonant, straightforward and with as much energy as I can throw in."

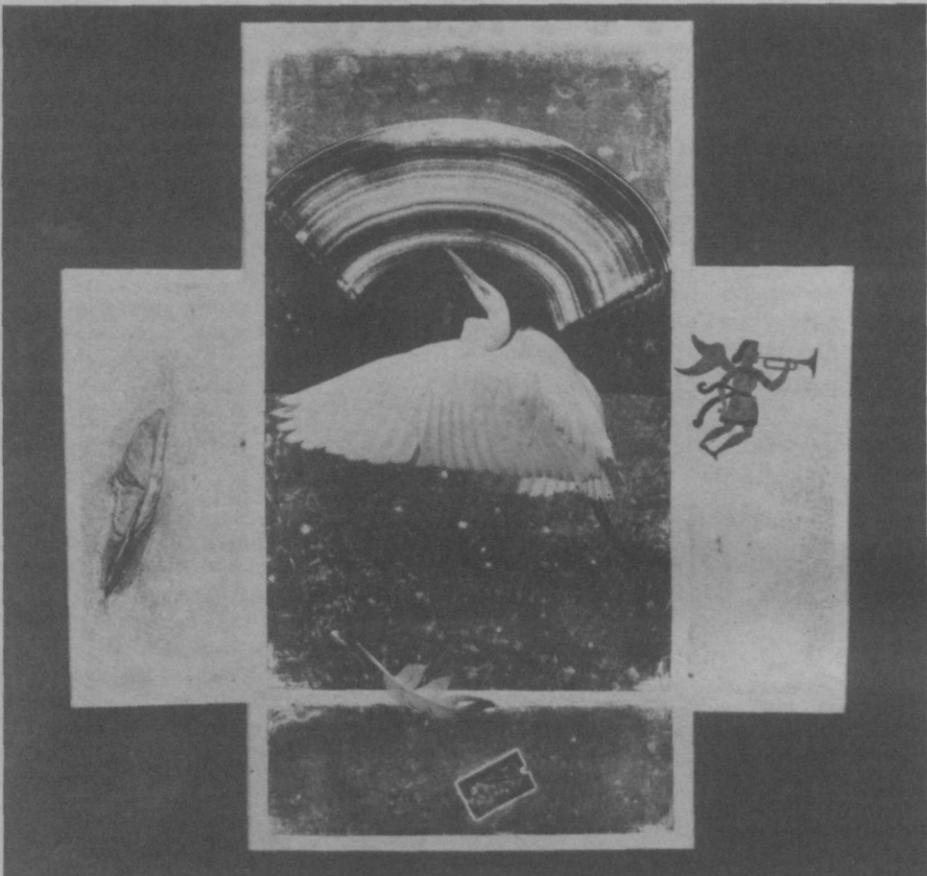
Admitting that this genre of modern music does not find ready acceptance among concert-goers, Rouse said, "If I can reach the open-minded listener, I'll be happy, that is, those who have a healthy mistrust of new things but can keep an open mind."

There was no problem, however, impressing the Philadelphia Inquirer's critic, Daniel Webster, who wrote of the new overture: "Its fierce power and movement swept its first listeners along, just as it must have swept the players. What a sense of achievement must have enveloped the players at the end."

Rouse's previous work has been performed by some 40 of the world's orchestras — Berlin, Stockholm, Frankfurt, NHK (Japan Broadcasting); and in this country, Chicago, New York, Cleveland, Boston and St. Louis. In honor of the Texas Sesquicentennial.

Another of the Philadelphia Orchestra's six commissions went to Steven Stucky, associate professor of music at Cornell. He is currently on leave in London. His major orchestral work will be performed at the end of October.

— Irv M. Chapman



Alan Bargar's "Joseph's Gift," 1984, on view at the Johnson Museum of Art.

Summer jobs overseas: peanuts to portfolios

For some Cornell students, the world is the classroom.

The university's International Internship Program selects students who want to test their book and laboratory learning in distant lands. To do so, they have traveled as far as Inner Mongolia and Spain's Basque region.

Undergraduate and graduate students have learned acupuncture on the steppes of Central Asia and measured peanut oil in the diet of Caribbean villagers.

A woman student worked on an international financial portfolio in a male-dominated company in South America. In Spain, a student studying for his Ph.D. in sociology tried to determine why employment fluctuates in a cooperative industry.

In New York City's Wall Street district, a Cornellian learned a better way to market U.S. wine in Japan.

A number of American universities sponsor overseas intern programs for undergraduate and graduate students, but "Cornell's program is the biggest and best organized of any we work with," said Herbert Ouida, director of XPORT in New York City.

XPORT is an international trading company operated by the Port Authority of New York and New Jersey to help small American businesses break into foreign trade.

Dwight E. Giles Jr., a friendly teacher of field studies with an easy smile, directs Cornell's International Internship Program from the university's Center for International Studies.

The program started two years ago. The number of students selected for overseas work increased from four in 1984 to eight in 1985 and to 16 last year.

By January, 47 students had applied for 1987. Candidates must explain what they expect to accomplish abroad. Interns are selected on the basis of their goals and foreign language abilities.

It's a two-way street. Foreign students do their intern work at Cornell. Last summer, three students arrived from Venezuela to start their studies at Cornell, two from Ireland, one from France, one from Bermuda and one from the Virgin Islands.

"Students are stimulating, and they come up with ideas for our programs to increase U.S. foreign trade," said Ouida.

"The enthusiasm which students bring to our work is as important as substantive knowledge. Students benefit from intern programs and they make contributions to the work we are doing."

"We have our own selfish reasons to be involved with interns, because we want to see universities develop international trade courses," he added.

More than trade challenges Cornell interns abroad.

Prabin C. Mishra, a student from India who is completing his Ph.D. in veterinary medicine, spent two months in China last summer studying animal acupuncture.

On the grasslands of Inner Mongolia, where more livestock than people live, he learned how to insert and twirl the long needles which Chinese practitioners use on animals suffering from diarrhea and other

bowel disorders.

"In the United States, acupuncture is used only when all other remedies fail," Mishra said. "But in China, acupuncture is viewed as a primary source of treatment."

"I was skeptical about acupuncture before I went, but now I'm a believer. I tried acupuncture for my own headache, and it worked. The Chinese could not tell me how acupuncture accomplishes what it does. They seem to have done no research, although it's an ancient practice."

Molly Mort, 22, of Croton-on-Hudson, N.Y., analyzed daily consumption of carbohydrates, proteins and fats by villagers in the Dominican Republic.

"Each day we would ask people in 120 families to tell us what they ate over the past 24 hours," said Mort, who is a senior majoring in community nutrition.

"We would measure how much peanut oil was used in the daily diet, and we would weigh and measure the people. We now are analyzing the results of our nutritional interviews and will send them back to the development project, hopefully for action."

"Over five years, the families have seen their diet improve and income become more stable as a result of a government development project. It's really exciting. They are super people."

Mort said the people in the village she studied ate garden vegetables during the rainy season and mangoes during the dry season. A major occupation in the village is weaving rushes into sacks and backs and seats for rocking chairs. The pay is 22 U.S. cents for five hours of work.

Christine Neimeth found herself in something of a man's world when her internship took her to the finance department of Mavesa Co., manufacturers of butter, soap, cooking oil and shortening in Caracas, Venezuela.

"Most of the women in the company held secondary positions," said Neimeth, 22, of Ithaca, N.Y. "The office atmosphere was not as highly pressurized as in the United States. The staff seemed close-knit, more so than in the States, and I didn't see the back-stabbing you see in some of our offices."

"My boss spoke English to me, but he insisted that I speak only Spanish, and he taught me Spanish financial terms."

Peter Taylor's internship took him to Spain's Basque country and the Mondragon cooperative industries, which include more than 170 firms employing about 17,000 people. Manufacturing activities range from stoves to semiconductors to heavy industrial equipment.

Taylor, of San Antonio, Texas, is a Ph.D. candidate in development sociology. He lived in an apartment with young co-op managers and studied relations between profits and employment levels.

"I was fully accepted by the Spanish managers I lived and worked with," Taylor said. "In my research, I determined that job fluctuations were not necessarily associated with a firm's profits. Factors other than economic were involved in a firm's decision making, but it was difficult to find where decisions were made."

— Albert E. Kaff

CALENDAR

All items for the calendar, except seminar notices, should be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 531 Willard Straight Hall.

Notices must be received 10 days prior to publication and must include the name and telephone number of a person who can be called if there are questions, and also the sub-heading of the calendar in which the item should appear, i.e. dance, lectures, music, etc.

Seminar notices should be sent to arrive at the Chronicle office, Village Green, 840 Hanshaw Road, 10 days prior to publication.

These deadlines will be enforced.

DANCE



Cornell Folkdancing

Cornell Folkdancers will meet on Sundays in January from 7:30 -10:30 p.m. in Martha Van Rensselaer. Beginners welcome, no partners needed. For more information, call 257-3156.

EXHIBITS

Johnson Art Museum

The Herbert F. Johnson Museum of Art, located on the corner of University and Central avenues, is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is free. Call 255-6464 for further information.

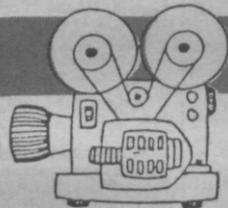
One Man's Nature: Works on Paper by Steven Barbash, Jan. 20 through March 8, featuring 50 works by Barbash, Distinguished University Professor at the State University of New York at Cortland and including his monumental landscape drawings.

The 1987 Council of Creative and Performing Arts Exhibition of Individual Awards, Jan. 27 through March 8. Covering three years of awards, the exhibit demonstrates the diverse talents of Cornell students and staff members. Works range from painting, sculpture and graphics to video, musical scores and apparel design.

Members' reception: An opening for museum members will celebrate the exhibitions of the new year, Jan. 31 from 8 to 10 p.m. Invitations or membership cards required for admittance. Memberships may also be purchased at the door.

Gallery closed: The George and Mary Rockwell Galleries of Asian Art on the fifth floor will be closed until mid-February to facilitate the installation of new carpeting and wall coverings.

FILMS



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

Thursday 1/22

"I Am Curious Yellow" (1977), directed by Vilgot Sjoman, with Lena Nyman and Borje Ahlstedt. 8 p.m., *Uris.

Friday 1/23

"Top Gun" (1986), directed by Tony Scott, with Tom Cruise and Kelly McGillis. Limited. 7:15 p.m. and midnight. *Statler.

"Monty Python and the Holy Grail" (1974), directed by Terry Gilliam, with John Cleese, Michael Palin and Graham Chapman. 9:45 p.m. *Statler.

"Mona Lisa" (1986), directed by Neil Jordan, with Bob Hoskins, Cathy Tyson and Michael Caine. 9:45 p.m. *Uris.

"Twist and Shout" (1984), directed by Billie August, with Adam Tonsberg, Lars Simonsen and Camilla Soeberg. 7:30 p.m. *Uris.

Saturday 1/24

"Top Gun" 9:30 p.m. Limited. *Statler.

"Monty Python and the Holy Grail" 7:15 p.m. and midnight. *Statler.

"Mona Lisa" 7:30 p.m. *Uris.

"Twist and Shout" 9:45 p.m. *Uris.

Sunday 1/25

"American Gigolo" (1980), directed by Paul Schrader, with Richard Gere and Lauren Hutton. 8 p.m. Limited. *Uris.

Monday 1/26

"Camila" (1984), directed by Maria Bemberg, with Susi Pecoraro, Imanol Arias, Hector Alterio. 8 p.m. *Uris.

Tuesday 1/27

"9 1/2 Weeks" (1986), directed by Adrian Lyne, with Mickey Rourke and Kim Basinger. 8 p.m. Limited. *Uris.

Wednesday 1/28

"In the Realm of the Senses" (1976), directed by Nahisa Oshima, with Tatsuya Fuji, Eiko Matsuda, and Aio Nakajima. 8 p.m. *Uris.

LECTURES

City and Regional Planning ??????????

"Urbanism and Urbanity: The Gardens of Urban Furniture of Haussmann's Paris," Francoise Choay, historian of Architecture, Urbanism and Preservation, University of Paris. 5:30 p.m., Feb. 2, 115 Tjaden Hall.

MUSIC



Bound for Glory

Sadie Green Sales, ragtime jug band, Jan. 25.

Broadcast live on FM 93(WVBR) on Sundays from 8 to 11 p.m., with live sets at 8:30, 9:30 and 10:30 p.m. Performances are free and open to the public.

Cornell University Musical Events

Malcolm Bilson, fortepiano. Mozart Sonatas. 8 p.m., Jan. 27, Barnes Hall.

Magelone Songs by Brahms. Donald Miller, bass; Robert Kopelson, piano; Cynthia Lake, narrator. 8:15 p.m., Jan. 30, Barnes Hall. Sponsored in part by the Cornell Council of Creative and Performing Arts. Free admission.

Recital

Cellist Robert Albrecht will perform at Barnes Hall Jan. 25 at 4 p.m. Albrecht, an Ithaca native, now a doctorate candidate at the Juilliard School, will be joined by pianist Noreen Cassidy Polero. The program will include works by Couperin, Beethoven, Schumann, Tchaikovsky, Martinus and Chopin. Recital Admission will be free.

RELIGION

Sage Chapel

Edith M. Reagan, university chaplain for the Cornell Catholic community, will preach at Sage Chapel Jan. 25 at 11 a.m. Her sermon topic will be "The Kingdom is at Hand." Music for the service will be provided by Donald R. M. Paterson, university organist.

Catholic

Mass: Every Saturday, 5 p.m., Sunday, Jan. 18 at 10 a.m., Anabel Taylor Auditorium.

Daily masses will resume Jan. 22, Monday through Friday, 12:20 p.m., Anabel Taylor Chapel.

Regular weekend schedule resumes Jan. 24. Every Saturday, 5 p.m.; every Sunday 9:30 and 11 a.m. and 5 p.m., Anabel Taylor Auditorium.

Sacrament of Penance, Saturdays from 3 to 4 p.m., G22 Anabel Taylor, or by appointment, 255-4228.

Christian Science

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

Episcopal (Anglican)

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

Friends (Quakers)

Sundays, 9:45 a.m., adult discussion, 11 p.m. meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

Morning Minyan: 7:30 a.m. Young Israel House, 106 West Avenue. Call 272-5810.

Orthodox Shabbat Services: Every Saturday, 9:15 a.m., Anabel Taylor Edwards Room.

Korean Church

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

Muslim

Sunday through Thursday, 1 p.m., 218 Anabel Taylor Hall. Friday 1 p.m. Anabel Taylor Edwards Room.

Protestant

Protestant Cooperative Ministry: Services resume Jan. 25, 11:15 a.m., Anabel Taylor Chapel.

SEMINARS

Biochemistry, Molecular and Cell Biology

"Microtubule dynamics and chromosome movement." Richard McIntosh, Department of Molecular, Cell & Developmental Biology, University of Colorado, 4:30 p.m., Jan. 23, 204 Stocking Hall.

Boyce Thompson Institute

"Genetic Cross Protection in Transgenic Plants," Roger N. Beachy, Department of Biology, Washington University, 3 p.m., Jan. 28, BTI auditorium.

Ecology and Systematics

"Ecological mechanisms of gene flow between weedy potatoes and traditional cultivars in peasant farming systems of the Peruvian Andes," Deborah Rabinowitz, Section of Ecology and Systematics, 4:30 p.m., Jan. 28, Morison Seminar Room, A106 Corson/Mud.

Floriculture and Ornamental Horticulture

"New York State's Environmental Horticultural Industries: Scope, Intensity, Outlook for the future," Carl F. Gortzig, George Good, Norm Hummel and Tom Weiler, 12:15 p.m., Jan. 29, 37 Plant Science.

Genetics and Development

"Regulated expression of embryo-specific genes in transgenic plants," Robert Beachy, Department of Biology, Washington University, 4 p.m., Jan. 29, 135 Emerson Hall.

Mechanical and Aerospace Engineering

"Nonequilibrium Dispersed Flow Boiling at High Superheat," John C. Chen, Lehigh University, 4:30 p.m., Jan. 27, 282 Grumman Hall.

Plant Pathology

"Epidemiology, detection, transmission, purification, serology and characterization of rose mosaic virus," Sek-Man Wong, 4:30 p.m., Jan. 27, 222 East Roberts.

Stability, Transition and Turbulence Seminar

"Random-Walk Models of Dispersion in Inhomogeneous Turbulence," S.B. Pope, Sibley School of Mechanical and Aerospace Engineering, 1 p.m., Jan. 27, 282 Grumman Hall.

MISC

Group Guitar Lessons

Eight one-hour acoustic guitar lessons offered by Phil Shapiro for \$25. Lessons given on Monday nights in Willard Straight Hall's North Room starting Feb. 2. Beginners classes at 7 p.m., intermediates at 8 p.m. Register at the first lesson, bring your guitar. For more information, call 844-4535.

Writing Workshop

Writing Workshop walk in-service. Free tutorial instruction in writing Monday through Thursday 3:30 to 6 p.m. and 7 to 10 p.m., Sunday 3 to 8 p.m. in 174-Rockefeller Hall and Sunday through Thursday 10 p.m. through midnight in 340 Goldwin Smith.

Library Tours

Tours of the Uris Undergraduate Library will be given weekdays, Jan. 21 through Jan. 30. Tours begin at the circulation desk on the following days and times: Jan. 21, 22 and 23, 10 a.m. and 3 p.m.; Jan. 26 at 2:30 p.m.; Jan. 27 at 11:15 a.m.; Jan. 28 at 3:30 p.m.; Jan. 29 at 10:10 a.m. and Jan. 30 at 11:15 a.m. Handicapped students needing special tours should call 255-2339.

Olin Library Research Seminars

Olin Library Reference Department is offering two research seminars.

A general research seminar will cover Olin's union card catalog, COMPASS (Computer Assisted Search Service), subject search strategy, Olin's reference collection and interlibrary services, Jan. 24, 10 a.m. to noon; Feb. 10, 3-5 p.m. and Feb. 26 1-3 p.m.

A Government Documents Seminar will concentrate on the organization, location and use of U.S. government publications at Cornell, Jan. 24, 1-3 p.m.; Feb. 11, 10 a.m. to noon and Feb. 27, 2-4 p.m.

For more information and to sign up, call 255-3319 or stop by the Olin Library Reference Department.

Extramural Courses

Registration for Extramural Study will be held on Jan. 26 and 27 from 8:30 a.m. to 4 p.m. in Barton Hall. For information call 255-4987.

English Classes

Cornell Campus Club International Committee will be sponsoring English classes taught by volunteers and open to anyone in the area who wants to learn English. Registration will be held Jan. 28 from 7:30 to 9 p.m. in the Anabel Taylor Founders Room. Fee \$5. For more information, call 257-2028.

Equestrian Program

Group lessons offered to the Cornell community for credit or non-credit resume Feb. 9. Lessons offered at all levels of hunt seat instruction, conducted in an indoor arena. Registration at Teagle Hall Jan. 22 and 23 from 8 to 11:30 a.m. and 1 to 4 p.m. and after Jan. 23 Monday through Friday, 4:30 to 5:30 p.m. at the Oxley Arena office. Call 255-3625 for more information.

Job Opportunities

January 22, 1987
Number 2
University Personnel Services
Cornell University
160 Day Hall
Ithaca, New York 14853-2801

Administrative and Professional

ADMINISTRATIVE/PROFESSIONAL

The minimum salaries listed are for recruitment purposes only.

ADMINISTRATIVE MANAGER II (PA026) Summer Session

Reporting to associate dean, responsible for managing financial & business operations of an academic division.

Requirements: BS or equiv., MBA pref. 3-5 yrs. management exp. in fiscal control, administration & supervision in university setting. Extensive knowledge of Cornell. Able to develop microcomputer applications. Excellent organizational, oral, & written communication skills. Send cover letter & resume to Cynthia Smithbower by 2-6.

TECHNICAL CONSULTANT (PT024) Chemistry

Assist Business Manager in development, maintenance & improvement of new & existing manual & automated accounting & information systems. Provide analytical & processing support to maintain proper account balances.

Requirements: BS req. Acctg. & Comp. Sci. courses. In-depth knowledge of Lotus, dBase III, exp. in programming & documentation preparation pref. Analytical & interpersonal skills req. 6 months exp. with CU accounting system desirable. Send cover letter & resume to Judi Pulkinen by 2-6.

TECHNICAL CONSULTANT (PT022) Johnson Graduate School of Management

Responsible for writing documentation for Cornell Local Acctg. System Project, training users in dBase III & accounting system. Communicate user needs & problems to Advisory Committee.

Requirements: BS req. Excellent written, verbal communication & interper. skills. Knowledge of microcomputers & dBase III. Exp. with Univ. Acctg. & Budgeting systems helpful. Send cover letter & resume to Judi Pulkinen by 2-6.

RESEARCH SUPPORT SPECIALIST (PT025) Neurobiology & Behavior

Assist in design & conducting physiol. experiments, behavioral observations, & field work in collaboration with P.I. or other lab. professionals. Develop new procedures & data analysis techniques, co-author papers.

Requirements: BA in bio., physiol., physiol. psych., or bio. med. engr. 2 yrs. exp. req. Send cover letter & resume to Judi Pulkinen by 2-6.

PROGRAM COORDINATOR (PA472) Cornell Adult University-Repast

Responsible for all aspects of developing, advertising, administering, supervising, & evaluating CAU summer youth program, including program staffing, facilities & support systems arrangements; budgeting; staff orientation, training & on-site supervision. 1-2 time Feb.-Apr., Aug., & Sept.; Full time May, June, July.

Requirements: MS or equiv. in youth ed. or related field. Exp. in youth recreational programming, particularly program design & administration. Must demonstrate exceptional ability to represent CAU in dealings with many constituencies including youth, students, parents, alumni, University faculty & staff, & others. Send cover letter & resume to Cynthia Smithbower.

DIR.-COORDINATOR OF COLLEGE & UNIT PUBLIC AFFAIRS OFFICES (PA016) Public Affairs

Responsible for directing or coordinating (in conjunction with deans & directors) public affairs efforts in colleges & academic support units. Liaison with central Public Affairs offices; represent unique concerns & interests of college & unit offices to central Public Affairs.

Requirements: BS or equiv. ed. Strong background in public affairs or related areas. Admin. planning & organizational exp. important; able to work effectively with diverse groups. Excellent communication, interpersonal & managerial skills necessary, exp. in CU Public Affairs. Send cover letter & resume to Cynthia Smithbower by 1-30.

ASST. DIR. FOR STUDENT DEVELOPMENT (PA017) Minority Educational Affairs

Serve population of approx. 1700 minority & disadvantaged students. Provide organizational, administrative, & technical assistance to minority student organizations as they plan, develop, & implement cultural, educational, & social programs. Administer dept. student employment program. Supervise student support staff; indirect supervision of student employees.

Requirements: MS or equiv. preferably in student personnel admin., higher ed. admin., psychology, or sociology desirable. Demonstrated knowledge of group dynamics, organizational psychology, or humanistic ed. is essential. Send cover letter & resume to Cynthia Smithbower by 1-30.

TECHNICAL CONSULTANT III (PT017) Theory Center

Provide full range of consulting services to researchers using resources of Center, incl. Na. Supercomputer Facil., Theorynet, & possible Experimental Facility.

Requirements: BS in computer sci. or 1 of the phys/bio/eng sci. 3-5 yrs. exp. with mainframe computers essential, VM-CMS & array processors desirable; fluency in at least 2 prog. lang.; demonstrated ability to work with complicated programs; strong written, interpersonal & communication skills. Send cover letter & resume to Judi Pulkinen by 1-29.

TEACHING SUPPORT SPECIALIST I (PT0120) Agricultural Engineering

Support teaching engineering & technology level courses in power & machinery area of Agricultural Engineering. Prepare visuals &

materials for lab & lecture instruction. Maintain teaching lab.

Requirements: BS or equiv. Knowledge of farm machines, equip. Good math, physical sci. & computer background. Exp. with computers & data acquisition equip. desirable. Send cover letter & resume to Judi Pulkinen by 1-29.

APPLICATIONS PROGRAMMER II (PT0123) Civil Engineering

Design, modify, & maintain interactive-graphics-based instructional programs & system utilities in VMS & Unix. Assist in preparing & presenting workshops on adapting & using software. Assist in maintaining computer facilities.

Requirements: BS degree in structural engineering pref. or equiv. 2-5 yrs. exp. in applications & systems programming; knowledge of VAX-VMS, Unix, C, FORTRAN, interactive graphics & user interfaces, good communication & interpersonal skills. Send cover letter & resume to Judi Pulkinen by 1-29.

COLLEGE REGISTRAR (P0122) Architecture, Art & Planning

Supervise maintenance of student academic records & preparation of preregistration & registration materials. Responsible for scheduling courses, posting classroom space & meeting all univ. deadlines pertinent to student records area.

Requirements: BS or equiv. 5 yrs. exp. in academic admin.; preferably 2 yrs. in student services. Excellent verbal, written & interpersonal skills. Send cover letter & resume to Cynthia Smithbower by 1-23.

RESEARCH SUPPORT SPECIALIST I (PT019) Theor. & Appl. Mech.

Provide support to research programs involving judgments in Data Determination. Work in office & lab. environment utilizing IBM, DEC, & Prime computers for Data analysis & report generation.

Requirements: BS in any physical sci. with upperclass courses in physics or elec. engr. or equiv. Familiar with computers & basic electronic lab equip.; willing to learn new software & hardware. Send cover letter & resume to Judi Pulkinen by 1-29.

RESEARCH SUPPORT AIDE (PT0124) Agricultural Engineering

Design & execute experiments (operate, maintain & monitor anaerobic reactors); maintain & operate lab instruments (gas chromatography); analytical procedures for experimental analysis; prepare lab chemicals; progress reports & data analysis.

Requirements: BS in engr., chem., bio., or equiv. Familiar with gas chromatography tech. for volatile acids & gas analysis; knowledge of solids analysis equip. & procedures. Send cover letter & resume to Judi Pulkinen by 1-29.

STAFF ASSOCIATE (PC336) Vice President, Public Affairs-Repast

Arrange, organize & coordinate all aspects of special events & conferences, including the Presidential Councilors & events sponsored by private funding or University units. Act as liaison with the Office of the President; manage VIP admissions tracking process.

Requirements: BA degree or equiv. Min. 3 yrs. exp. in planning & coordinating social & educational events targeted to VIP audiences. Supervisory exp. necessary; demonstrated exp. in planning, coordinating & monitoring diverse multiple activities. Excellent written & oral communication skills req. Send cover letter & resume or call in confidence to Esther Smith (607) 255-6874.

RETAIL MANAGER II (PA433) Ornithology-Repast

Manage, oversee & coordinate all aspects of Lab.'s bookshop. Maximize growth & profitability of operation & assist in marketing of Lab programs.

Requirements: BA in marketing, business mgmt. or equiv. MA pref. Proven ability to handle merchandizing & catalogue operation. Catalogue sales exp., retail sales & advertising background needed. Previous exp. in overall mgmt. of an enterprise operation useful. Send cover letter & resume to Cynthia Smithbower.

TEACHING SUPPORT SPECIALIST (PT443) NYSSILR-Repast

Assist in introductory statistics; supervise teaching assistants; assist individual or groups of students requiring help; coordinate scheduling of class & seminar rooms & computer labs.

Requirements: BS in statistics or equiv. Excellent organizational, interpersonal & communication skills necessary. Send cover letter & resume to Judi Pulkinen by 1-29.

RESEARCH SUPPORT SPECIALIST II (PT491) Entomology-Geneva-Repast

Assist in providing fruit arthropod control recommendations; diagnose & monitor fruit pests; manage temp. employees; help prepare extension literature; assist in design, execution, analysis, & publication of lab & field research; assist in maintaining fruit orchards & in applying chemical treatments.

Requirements: BS in entomology, plant protection, or related curriculum; MS pref.; must have valid NYS driver's lic. 2 yrs. in research-field exp. in related area; skills in farm operation, computer use, lab techniques pref. Must have interest in extension activities & applied research in pest mgmt. Managerial, organizational, & communication skills req. Send cover letter & resume to Judi Pulkinen.

DIVISION MEDIA MANAGER (PA3113) Summer Session-Repast

Under direct supervision of assoc. dean, develop & administer advertising & public relations under direction of Division senior staff; responsible for planning, coordination, scheduling, production, & distribution of all printed & other publicity materials.

Requirements: BA or equiv. Knowledge of editorial, layout, & production techniques; newspaper, periodical, & advertising industries; computer applications including Macintosh Page Maker. Exp. in writing for diverse public. Send cover letter & resume to Cynthia Smithbower.

SR. TECHNICAL CONSULTANT (PT4712) Computer Services-Repast

Provide high-level statistical computing support services through teaching, consulting & evaluating software. Support related research computing applications, including statistical graphics & database systems.

Requirements: MS or equiv. in statistics or related discipline. 3-5 yrs. exp. as a statistical computing consultant; in-depth knowledge of mainframe & microcomputer statistics software. Send cover letter & resume to Judi Pulkinen.

BUDGET ANALYST I (PC012) Vet. Financial Services

Assist Dir. in development, implementation & regulation of budgetary process in accordance with generally accepted accounting principles & statutory regulations. Financial coordination & training of departmental personnel in fiscal matters; develop & prepare analyses, reports & training opportunities related to college financial processes.

Requirements: BA in accounting or equiv. 2 or more yrs. heavy accounting or audit responsibility, preferably in Univ. setting. Demonstrable familiarity with IBM PC compatible computers & Lotus 1-2-3, preferably with related exp. in centralized accounting environment & telecommunications. Strong interper. & written communication skills, preferably including production control or similar exp. in liaison capacity. Send cover letter, resume or call in confidence to Esther L. Smith (607) 255-6874 by 1-30.

RESEARCH SUPPORT SPECIALIST I (PT397) Food Science & Tech. Geneva-Repast

Provide tech. support involving growth, maintenance & preparation of plant material. Perform biochemical separations, enzyme purification & assays, electrophoretic & immunological work. Record & statistically evaluate data, computerized updating of literature file, & lab. maintenance.

Requirements: B.S. in bio., biochem., molecular bio. or related field. Master's pref. Strong proficiency in advanced HPLC, electrophoresis, radioisotopes, biochemical separations & immunology req. Send cover letter & resume to Charie Hibbard, Box 15, Roberts Hall, Cornell University.

Clerical

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

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

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

ADMIN. & ACCOUNTS ASST., GR21 (C0215) Traffic Bureau

Maintain up to date & accurate bookkeeping on all operations of Traffic Bureau. Assist in preparation of all accounting statements; prepare payroll voucher; maintain personnel records.

Requirements: A.A.S. in Busn.-Acctg. or equiv. Min. 1-3 yrs. acctg. exp. Med. typing. Familiar with pc's. Knowledge of CU acctg. Minimum Bi-weekly Salary: \$512.32

ACCOUNTS ASST., GR19 (C0210) Chemistry

Assist with personnel matters. Create, analyze & present monthly account reports to faculty members & testing & maintenance of automated personnel system.

Requirements: A.A.S. or equiv. Coursework in acctg. or bookkeeping. Min. 1 yr. exp. in off. setting with significant people contact. Med. typing. Accuracy with calculations & attention to detail essential. Exp. with CU acctg. & personnel systems. Basic computer knowledge with some exp. with database & spreadsheet packages. Minimum Bi-weekly Salary: \$457.09

WORD PROCESSOR OPERATOR, GR18 (C0213) Civil & Environmental Engr.

Input & format technical (mathematical & scientific) manuscripts, coursework, & other projects using Zenith PC. Assist in general service-oriented main office resp.

Requirements: H.S. dip. or equiv. Sec. school desirable. Heavy typing. Knowledge of word processing. Sec. exp. Strong org. & interper. skills. Minimum Bi-weekly Salary: \$431.43

SECRETARY, GR18 (C0212) Poultry & Avian Sciences

Coordinate & manage daily business activities of research & teaching programs. Prepare grant proposals; type & prepare articles for publication; maintain files, calendars. Make travel arrangements. Use Zenith computer (word perfect).

Requirements: A.A.S. in sec. sci. or equiv. Heavy typing. Excellent tech. typing, comm. & org. skills. Able to work independently. Exp. with word processing system(s) necessary (Zenith). Minimum Bi-weekly Salary: \$431.43

ACCOUNTS ASST., GR18 (C0214) Finance & Business

Responsible for transactions between Statutory Colleges, SUNY & NYS Dept. of Audit & Control including terminal input of vouchers; review of warrant info. & maintenance of voucher payment status; responsible for hand-written checks, void & replacement checks & stop payments.

Requirements: H.S. dip. or equiv. A.A.S. in busn. desired. Light typing. Min. 2 yrs. exp. Familiar with CU acctg. system & knowledge of IBM terminal operation desirable. Good org., comm. & interper. skills req. Minimum Bi-weekly Salary: \$431.43

NIGHT SUPERVISOR, GR18 (C028) Physical Sciences Library

Maintain circulation desk; charge & discharge books; file circulation cards; send notices & operate TV service; manage all phases of copy service. Mon.-Thurs. 1 p.m.-10:00 p.m.; Fri. 4 p.m.-12 midnight.

Requirements: BA or equiv. Light typing. Previous library exp. highly desirable. Strong interper., comm. (written & verbal), & org. skills. Minimum Bi-weekly Salary: \$431.43

BINDING ASST., GR16 (C027) Univ. Libraries

Assist with preparation of books & serials for commercial binding. Pre-microfilm processing; preservation photocopy; supervise students in bookmarking & security systems; provide assistance in training programs to other library units.

Requirements: H.S. ed. or equiv. A.A.S. pref. Med. typing. Strong communication & interper. skills. Previous library or related exp. Microcomputer skills. Reading ability in at least 1 foreign language desirable. Minimum Bi-weekly Salary: \$390.08

LC CATALOGER, GR20 (C454) Catherwood Library-Repast

Catalog serials with copy using RLIN; descriptive cataloging of monographs; train & supervise new student assistants including revision of their work. Other duties as assigned.

Requirements: BS or equiv., social sciences courses helpful. Med. typing. Min. 1 yr. cataloging exp., pref. on RLIN. Knowledge of AACR2, LC classification & subject headings & MARCII format. Exp. with computer searching & inputting techniques. Absolute accuracy & ability to handle details with discretion & judgment. Minimum Bi-weekly Salary: \$482.33

LIBRARIAN Boyce Thompson Institute-Repast

Complete responsibility for operations of small plant science oriented library. Involves ordering, processing, cataloging of theses, serials, monographs, & some government publications; request interlibrary loans from Cornell libraries & off-campus libraries; maintain subscriptions for approximately 125 journals; circulation of books & journals; check literature citations. 4 hrs. per day.

Requirements: MLS or equiv. exp. Able to interact with scientific staff & assist them in meeting their library needs. Moderate typing req. Contact Greta Colavito, Boyce Thompson Institute, Tower Road, Ithaca, NY. 257-2030.

General Service

Employees interested in General Service positions should submit a transfer application to the Cornell Employment Office, East Hill Plaza. Outside applicants should apply in person at the East Hill Plaza Employment Office, Monday-Friday, 9 am-12 noon. Phone requests and cover letters are not accepted unless specified.

COOK, SO20 (G021) Dining Services-Endowed

Prepare & present a full variety of foods as assigned. Mon.-Fri., 39 hrs. per week; shift subject to change.

Requirements: H.S. dip. or equiv. 1-2 yrs. in food preparation & knowledge of food cooking processes. Minimum hourly rate: \$6.34

RESEARCH EQUIPMENT TECHNICIAN, GR25 (G0110) Plasma Studies

Operate & maintain LION accelerator & support lab. equip. Assist experimentalists through mechanical & electrical construction & performance of routine measurements. Maintain parts inventory.

Requirements: H.S. dip.; technical training in mechanical & electrical fabrication & repair pref. 2 yrs. exp. in operation of hand tools, machine tools, electrical equipment, vacuum equip. & high voltage equip. Able to organize; maintain records & supply inventories. Some familiarity with programming on pc's pref. Minimum Bi-weekly Salary: \$641.54

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 Judi Pulkinen. Current Cornell employees should submit an employee transfer application, resume and cover letter. Outside applicants with training or experience in the following areas are en-

couraged to apply: biochemistry, chemistry, microbiology, electronics, physics and licensed animal health technicians.

TECHNICIAN, GR21 (T021) Vet. Microbiology-Baker Inst.

Assist in conducting lab & animal experiments in immunology & reproductive biology, i.e., tissue culture (monoclonal antibody production); immunological assays; biochem., work with rodents & farm animals (horses); general lab maintenance.

Requirements: BS sci. major or equiv. 1-3 yrs. related exp. Knowledge in operation of centrifuges, microscopes, balances, production of buffers, sterile tissue culture technique, etc. Send cover letter & resume to Judi Pulkinen by 2-6.

Minimum Bi-weekly Salary: \$512.32

TECHNICIAN, GR19 (T026) Entomology

Provide tech. assistance in entomological research lab by maintaining black fly colonies & aiding in selection of filarial susceptible strain.

Requirements: BS in bio. sci. or related area; exp. in rearing insects, particularly dipterous species. Send cover letter & resume to Judi Pulkinen by 2-6.

Minimum Bi-weekly Salary: \$457.09

TECHNICIAN, GR18 (T027) Equine Drug Testing-Saratoga

Analyze blood & urine samples in field drug testing lab at Saratoga. Assist lab director as req. Sat., Sun., & holidays, 8:00 a.m.-5:00 p.m.

Requirements: A.A.S. in chem. or related field. Exp. with thin layer chromatography & general lab. procedures. Send cover letter & resume to Judi Pulkinen by 2-13.

Minimum Bi-weekly Salary: \$431.43

TECHNICIAN, GR18 (T436) Natural Resources-Repast

Capture & handle liver rodents; apply & evaluate rodenticide treatments; assess fruit crop damage caused by birds & mammals; monitor bird activity. Wash traps & perform other maintenance duties. Prepare data files, tables, & diagrams on a microcomputer; prepare summary data sheets & calculate basic statistics such as means & standard errors.

Requirements: BS or equiv. in biology, zoology, or similar field. Exp. trapping & handling rodents, identifying birds & using a personal computer. Send cover letter & resume to Mark Tobin, Hudson Valley Lab, Box 727, Highland, NY 12528 by 2-6.

Minimum Bi-weekly Salary: \$431.43

TECHNICIAN, GR24 (T012) Physiology

Provide tech. support primarily to research program in metabolic physiology. Automated analytical techniques & evaluative judgments in experim. design, data collection & interpretation.

Requirements: BS in Biochem., chem., & some courses in bio. or equiv. 3-4 yrs. exp. in biochem. & physiol. labs. Training in analytical & automated techniques & hormone assays pref. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$607.21

ELECTRONICS TECHNICIAN, GR24 (T012) Modern Languages & Linguistics

Design, build, & maintain hardware used in language & phonetics labs.; integrate with data acquisition & analysis software.

Requirements: BS in electrical engr. or recording engr. or equiv. Familiar with DEC, IBM-PC hardware; serial & parallel data transmission; signal conditioning, including filtering, amplifying & A-D-D-A hardware & graphics hardware. Some supervisory exp. Good interper., comm., & supervisory skills. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$607.21

TECHNICIAN, GR21 (T019) Anatomy

Perform routine histological, neuro- & immuno-histo-chemistry & darkroom procedures; prepare & maintain routine lab material & sterile solutions; maintain inventory; some bibliographic research; train new lab personnel.

Requirements: BS or equiv. in bio. or related field. 2-3 yrs. exp. in histological methods. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$512.32

X-RAY TECHNICIAN, GR21 (T011) Univ. Health Services

Supervise Radiology Dept., take & process patient x-rays, maintain records & purchasing, train new technicians.

Requirements: Completion of certified General Radiol. Tech. school. NYS lic. for Gen. Rad. Tech. req. Recent exp. in a college setting helpful. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$512.32

TECHNICIAN, GR20 (T0113) Vet. Physiology

Routine measurement of steroid & polypeptide hormones in animal blood & body fluids & tissues, i.e., perform assays; prepare buffers & reagents.

Requirements: BA in biological sci. Knowledge of radioimmunoassay procedures, preferably for both steroid & polypeptide hormones. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$482.33

COMPUTER OPERATOR, GR20 (T011) Geo. Sci. INSTOC

Operate minicomputer, assist in computer maintenance, assist grad. assistants with operations, order supplies, maintain records, & assist computer programmer. Shift work; nights, evenings & weekends.

Requirements: BS in computing or equiv. pref. Exp. in operation of large mini computer system as operator. Familiar with IBM-PC, VAX & MICROVAX helpful but not req. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$482.33

TECHNICIAN, GR19 (T0114) Vet. Physiology

Perform radioimmunoassays of hormones in blood samples from sheep & tissue culture

Food and Ag Institute gets go-ahead

The Empire State Food and Agricultural Leadership Institute at Cornell will continue its educational program to develop leaders for New York State's \$24 billion food and agriculture industry.

The institute's 20-member advisory council voted to continue the program on an ongoing basis, according to James Preston, director of the institute and a professor of rural sociology.

"The advisory group based its action on the success to date with the initial two-year pilot program," Preston said. "As a result, members of a second two-year leadership development class, which is scheduled to start in October this year, will be recruited in the near future."

The institute plans to start a new leadership class of 30 members every two years, Preston said. Class members represent a cross section of the food and agriculture industry and other areas including government, business and education.

Participants spend about 30 days per year attending classes and taking part in study

tours. The 30 members of the first class, which started in the fall of 1985, studied trends affecting the state's food and agriculture industry including changing consumer demands, future agricultural financing and size and scope of the food service industry. They observed food distribution systems in New York City.

Now in the second year, the class will concentrate on public policy issues and processes with regard to the food and agriculture industry at the local, state and national levels, according to Preston.

The class will meet in Albany, N.Y., to study state-level government processes and in Washington, D.C. to study policy-making processes at the national level. These sessions will be followed by a class trip to California to study the food and agriculture system in that state. The class will graduate in June.

Established in 1985, the institute is sponsored jointly by the New York State Agricultural Society, the College of Agriculture and Life Sciences and the New York Coop-

erative Extension.

Financial support comes in part from organizations, businesses and individuals involved in the food and agriculture industry. This year's goal is to raise \$125,000 in contributions.

— Yong H. Kim

Trustees to meet

Trustees of the university will meet in open session in New York City Jan. 30.

The 9:30 a.m. meeting will be held in Urin Auditorium at the William Hale Harkness Medical Research Building at the New York Hospital - Cornell University Medical College, 1300 York Ave.

Trustees will hear a presentation by the administration on long-range planning and discuss effects of New York State's executive budget on the state-supported units at Cornell.

Vice President for Research and Advanced Studies Joseph M. Ballantyne will give the 1986 report on university research, and Dean of the Faculty Joseph B. Bugliari will report to the trustees on the process of tenuring faculty.

The 1986 Cornell Fund and gift reports also will be presented to trustees. Other agenda items include committee reports and financial, facilities, and personnel matters.

In addition, the Executive Committee of the Board of Trustees will meet at 2 p.m. Jan. 29, in the Executive Faculty Room of the Cornell University Medical College.

Other board committees scheduled to meet in open session include the Buildings and Properties Committee, the Committee on Land Grant and Statutory College Affairs, the Committee on Academic Affairs and the Development Committee.

A limited number of tickets for the public are available from the Information and Referral Center in Day Hall beginning at 9 a.m. Jan. 27.

Graduate bulletin

Graduate Faculty: The next regular meeting of the Graduate Faculty will be held at 4 p.m. Feb. 2 in Sage Graduate Center to approve the final degree list from January.

Unregistered doctoral candidates: To avoid paying the \$200 active-file fee for the spring term, all degree requirements must have been met by Feb. 13. That includes filing two acceptable copies of the thesis in the Graduate School office.

Head resident, resident advisor, and program assistant positions in the Graduate Residence Halls and head resident position in Sheldon Court are available for the 1987-88 academic year. Only full-time graduate students are eligible. Application information will be available Jan. 26 at the College Area Office, Sage Hall, and at an information session Jan. 28, 7 p.m., in Sage Hall main lounge. For more information, call 255-5356. Application deadline Feb. 6.

Peace Studies and International Security graduate fellowships: Three grants of \$8,500 each for research and education in international security are available to students at the thesis-writing stage who also qualify for reduced tuition. Preference is given to students in residence. Contact the Peace Studies Program, 180 Urin Hall. Application deadline March 20.

The National Institute of Justice provides doctoral candidates a maximum award of \$11,000 for research and writing dissertations in the areas of adult or juvenile crime, crime prevention, criminal behavior, and other related areas. Deadline March 1.

Novelist *Continued from page 1*

at the University of Iowa.

Speaking through interpreters, Zhong said that intellectuals could be blamed for the Cultural Revolution 20 years ago because they did not speak out against the political Red Guards who interrupted China's educational and cultural life.

Asked about recent student demonstrations which led to the ouster of Communist Party Chief Hu Yaobang, the novelist drew a line between China's written laws and Communist Party edicts. He emphasized obedience to law.

"As to the students, there are laws and you have to observe the laws," Zhong said.

Zhong's remarks were interpreted by two educators from China now working at Cornell: Wang Jiaxiang, a Luce fellow in for-

eign literature from the Foreign Studies University of Beijing, and Qian Jiaoru, a visiting scholar in English from Nanjing University.

The lecture and discussion, sponsored by Cornell's China-Japan program, was introduced by Edward M. Gunn Jr., associate professor of Chinese literature and Asian studies.

Zhong salted his replies with humor which brought laughter from the students, some from China and some from Taiwan.

Asked what writers influenced him, he replied: "It is hard to say. I eat beef, pork and fish. But I can not say that my arm is made of beef and another part of my body is made from something else."

— Albert E. Kaff

Job Opportunities *Continued*

media. Performance of assays will include sample preparation; handle low-level radioactive materials, protocol assays & calculate results, prepare buffers, maintain paper & computer files, wash dishes, & clean lab.

Requirements: BA in bio. or chem. sci. Knowledge of chem. lab. procedures, math, oral & written comm. Training in immunology, endocrinology & biochem. useful. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$457.09

TECHNICIAN, GR19 (T018) Diagnostic Lab

Provide support in Diagnostic Lab; prepare media, buffer solutions & reagents, maintain quality control using ATCC control strains.

Requirements: A.A.S. degree, BS pref. Working knowledge of chem. & micobio. Familiar with Lab instruments: pH meters, autoclave, analytical balance, sterile techniques required. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$457.09

ANIMAL TECHNICIAN, GR18 (T017) Physiology

Participate in long-term animal experiments with pregnant animals. All aspects of general animal maintenance & records related to experiments. Blood sampling & preparation of infusions.

Requirements: BS degree in bio. sci. or equiv. Previous exp. with sheep useful. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum Bi-weekly Salary: \$431.43

Part-Time

ACCOUNTS ASST., GR18 (C022) Mann Library

Responsible for dept. billings; staff leave records; student hourly reports; equip. inventory; mailing operation, VendaCard & coin-op photocopy system; handle large amounts of cash. Mon.-Fri. 30 hrs. per week.

Requirements: H.S. dip. or equiv. Previous office-bookkeeping exp. Med. typing. Familiar with personal computers. Accuracy & attention to detail. Able to work independently & maintain confidentiality.

Minimum full-time equivalent: \$431.43

SECRETARY, GR17 (C025) Entomology Provide clerical support. Type correspondence, manuscripts, grants, proposals, course work, etc. using personal computer (Macintosh); mail; file; answer phone. Other duties as required. Mon.-Fri. 20 hrs. per week.

Requirements: H.S. dip. or equiv.; sec. school desirable. Med. typing. Excellent grammatical skills req. Training & exp. in microcomputer word processing desirable. Good telephone technique essential.

Minimum full-time equivalent: \$409.53

OFFICE ASST., GR16 (C029) Administration-New York City

Prepare & post daily mail. Assist with photocopying & errands. Inventory & distribute office supplies. Other duties as assigned. Mon.-Fri., 1:30-5:30

Requirements: H.S. dip. or equiv. Good org. skills. Exp. operating photocopy & mail meter equip.

Minimum full-time equivalent: \$390.08

PROJECT COORDINATOR (PT018) Human Dev. & Family Studies

Develop training materials, select part-time staff. Assist with operation of project, in consultation with principal investigators. Not to exceed 30 hrs.

Requirements: MS in ed. field (psych., soc., etc.) or equiv. 3 yrs. exp. req. Excellent interper., comm., & org. skills. Send cover letter & resume to Judi Pulkinen by 1-29.

COMPUTER STAFF SPECIALIST (PT4312) Mathematics

Supervise & maintain VAX 750 with VMS & UNIX operating systems. Perform applications programming for computation modules for elementary & advanced mathematics courses. Perform daily tasks such as installation & wiring.

Requirements: BS degree or equiv. ed. & exp. Knowledge of C, Pascal, Fortran 77 & APL. Familiar with network & microcomputers helpful. Send cover letter & resume to Judi Pulkinen by 1-29.

RESEARCH SUPPORT SPECIALIST II (PT438) CADIF-Repast

Design, write & maintain interactive graphics based instructional programs, & system utilities, in VMS & UNIX. Prepare & present workshops for adapting use of project software, & operate & maintain computer facilities. Write publicity & advertisements. Flexible, half-time.

Requirements: BS in computer sci. or engineering field, or equiv. 2-5 yrs. exp. in applications & systems programming, exp. in interactive graphics, user interfaces & hardware exp. a plus, knowledge of VAX-VMS, Unix, C, Fortran. Excellent communications, writing & interper. skills. Send cover letter & resume to Judi Pulkinen.

TECHNICIAN, GR18 (T455) Food Science

Perform microbiological & fermentation techniques, i.e., HPLC separation, electrophoresis, culturing bacteria, enzyme isolation & analyses & scale up fermentations.

Requirements: BS in Biochem., Microbio.-Bio. Sci. plus 1-2 yrs. exp. pref. Knowledge of enzymes, enzyme separation, assays kinetics & substrate specificity req. Send cover letter & resume to Judi Pulkinen by 1-29.

Minimum full-time equivalent: \$431.43

OFFICE ASST., GR17 (C471) Residence Life-Repast

Provide secretarial & receptionist support. Make appointments; screen incoming correspondence; prepare & type reports & correspondence; maintain files; distribute mail; coordinate student clerical help; act as resource person; daily contact with students & public; some financial functions. Mon.-Fri., 9:30 a.m.-3:00 p.m. Full-time during peak periods & summer months.

Requirements: H.S. dip. or equiv. Some sec. exp. Med. typing. Strong interper. & comm. skills. Knowledge of record & book-

keeping helpful. Minimum full-time equivalent: \$409.53

Temporary

TEMPORARY OPPORTUNITIES: Individuals qualified for temporary work and interested in clerical-secretarial: if you have experience or skills, and are interested in learning more about these opportunities, please call Lauren Worsell at 255-5226.

RESEARCH SUPPORT SPECIALIST II (PT023) Animal Science

Supervise part-time employees & operate ultrasound lab & ultrasonic equip. Develop new ultrasonic evaluation & image processing techniques, & analyze data. Temporary until 4-30.

Requirements: MS in Animal Sci. or Meat Sci. with exp. in carcass evaluation or equiv. Exp. in slaughtering, carcass grading & fabrication of beef, pork & lamb. Computer analysis of data & manuscript preparation exp. desired. Send cover letter & resume to Judi Pulkinen by 2-6.

SECRETARY (C023) Theoretical & Applied Mechanics

Assist a senior faculty member who is visually impaired. Sort & read mail; schedule meetings; make travel arrangements; type correspondence & course work; answer phones; arrange refreshments for seminars; other duties as assigned. 10-15 hrs. per week, flexible.

Requirements: H.S. dip. or equiv. with science or math courses desirable. Light typing. Basic office skills, wordprocessing & dictaphone exp. essential.

SECRETARY (C026) Language House Program

Type correspondence, reports & agendas; answer phone; process applications for positions in Language House Program; process expenditures. 10 hrs. per week, flexible.

Requirements: H.S. dip. or equiv. Med. typing. Strong organizational, communication & secretarial skills, must be flexible & able to work independently.

COLLECTIONS REPRESENTATIVE (C021) Bursar

Collect delinquent student loan & Bursar accounts through written & telephone communications. Locate delinquent borrowers through 'skip tracing' techniques. Tues., Wed., Thurs., 4:30-8:30 p.m.

Requirements: H.S. dip. or equiv. Good written & telephone communications skills. Collections exp. preferable. Call Laurie Worsell at 255-7044.

GARDENER (2 Positions) (G022, G023) GROUNDSKEEPER (2 Positions) (G024, G025) Plantations

Assist in planting & maintenance of botanical gardens & care of grounds for Newman Arboretum. Prepare planting sites; operate hand & riding mowers; maintain existing gar-

dens & grounds. 8 month position beginning when weather permits (March).

Requirements: 2 yr. degree with major in horticulture or nursery management, or equiv. gardening or landscaping exp. req. Able to identify a wide range of herbaceous & woody plants & familiar with their cultural requirements. NYS driver's license req.; able to lift 100 lbs. Apply in person at the East Hill Plaza Employment Office, M-F, 9 am-12 noon.

SECURITY GUARD (G026) Johnson Museum

Responsible for guarding all works of art in building, following security & safety procedures & communicating with appropriate staff members on regular basis. Maximum 19 hrs. per week; regularly scheduled weekends; day & evening subbing on non-scheduled work days & special events.

Requirements: H.S. dip. or equiv. Background in security area pref. Able to work with schedules & in group situations; excellent communication skills req.; must be dependable & attentive to detail. Uniform provided. Apply in person at the East Hill Plaza Employment Office, M-F, 9 am-12 noon.

NURSES AIDE (G026) Univ. Health Services

Assist nurse supervisor in maintenance of smooth clinic flow by preparing patients for examination & maintaining exam rooms & equipment.

Requirements: H.S. dip. or equiv. Recent exp. as a medical asst. in a hospital or Dr.'s office req. Apply in person at the East Hill Plaza Employment Office, M-F, 9 am-12 noon.

INFORMATION & REFERRAL OPERATOR (C032) Agricultural Economics

Answer '800' number calls from within NY state, discern callers needs & concerns, matching these with appropriate listings of county & state referral & information sources. Keep accurate logging data on all calls. Casual, approx. 10-15 hrs. per week, Mon.-Fri., 12:00-9:00 p.m.

Requirements: H.S. dip. or equiv. Some counseling or training exp. desirable. Able to deal with sensitive issues. Strong listening & interpersonal skills. Familiarity with farming, farm families, & CU Cooperative Extension a plus. Call Laurie Worsell at 255-7044.

RELIEF STAFF NURSE (P4714) Health Services-Repast

Screen, assess patient needs after hours. Provide nursing care for patients admitted to after hours care.

Requirements: NYS Nursing License. Graduate of accredited nursing school. Recent exp. in hospital nursing with emergency nursing background is desirable. Send cover letter & resume to Cynthia Smithbower.

ANIMAL HEALTH TECHNICIAN (T492) Vet Teaching Hospital-Repast

Induction, maintenance, monitoring & recovery of large animals under anesthesia. Prepare & maintain anesthetic equip., case, drug records & inventory, including controlled substances.

Requirements: Licensed Animal Health Technician, A.A.S. degree in Animal Health Tech. Ability to handle & restrain large animals, 2 yrs. exp. working with large animals,

preferably in a clinical atmosphere. Send cover letter & resume to Judi Pulkinen by 2-6.

RESEARCH TECHNICIAN, (T015) Plant Pathology

Research on molecular genetics of phytopathogenic bacteria. DNA isolation, restriction analysis, cloning, mutant development. Work closely with visiting scientist, post-doc, grad. students. Temp. until 6-30-87.

Requirements: BS min. with substantial exp. MS or equiv. pref. Strong microbio., molecular genetics & biochem. background. Send cover letter & resume to Judi Pulkinen by 1-29.

COMPUTER OPERATOR (T016) Computer Services

Responsible for overall operation of computer facil. Knowledge of IBM mainframe, Macintosh & IBM-PC equip. Mon.-Thurs., 12:00 a.m.-4:00 a.m.

Requirements: A.A.S. pref. plus 1-2 yrs. exp. Send cover letter & resume to Judi Pulkinen by 1-30.

\$5.50 per hr.

Academic

ASSISTANT PROFESSOR OF INTEGRATIVE NEUROBIOLOGY (A021) Biological Sciences

Contact Dr. Ronald Hoy, Section of Neurobiology & Behavior, Division of Biological Sciences, Seeley Mudd Hall, Cornell University, Ithaca, NY 14853.

POSTDOCTORAL ASSOCIATE, Boyce Thompson Institute

Extraction, isolation & identification of natural toxins to insects from cultures of entomopathogenic fungi. Work closely with entomologists in evaluating biological activity of extracts & purified chemicals.

Requirements: Ph.D. in chem., with emphasis on natural products. Exp. in analytical techniques for isolation & identification. Send cover letter & resume to Dr. Alan Renwick, Boyce Thompson Institute, Tower Road, Ithaca, NY 14853.

Jobs listed here are prepared by Staffing Services. The list of current vacancies is part of the university's commitment to promotion from within, affirmative action, and equal opportunity employment.

Employees seeking transfer to other jobs should contact Staffing Services for appropriate procedures and forms.

Employment applications are available at Cornell's employment office, East Hill Plaza (Judd Falls and Ellis Hollow roads), 9 a.m. to noon Monday through Friday. Mail completed forms to Cornell Staffing Services, 160 Day Hall, Ithaca, N.Y. 14853-2801.

This listing also is on CUINFO, the university's computerized info for the Information and Referral Center in Day Hall and other campus locations.

SPORTS

The men's basketball team evened its overall record to 6-6 last weekend, shutting out Ivy opponents Yale and Brown, both in away contests. The Red is now tied for first place in the Ivy League, along with Harvard and Yale, with a 2-1 slate.

Cornell got a record setting performance from senior All-America John Bajusz against Brown on Saturday. The 6-foot-1 guard scored 32 points against the Bruins, which tied his career high, and became Cornell's all-time leading scorer with 1,427 points.

Bajusz also hit for 26 points in the win over Yale and was selected as the Ivy League Player of the Week. He leads the team with a 22.4 points per game scoring average and is second in assists with 43.

Junior Greg Gilda, a 6-foot-8 center, who has scored in double figures in 10 of the Red's 12 contests, is second with a 13.0 ppg. average. The middleman is also pulling down 4.8 rebounds per game.

The Red returns to Barton Hall Jan. 24, when Columbia comes to town for a 6:30 p.m. contest. Columbia, which faced Fordham on Tuesday, was 6-8 overall going into that contest. The Lions will be looking for a repeat of their 57-47 win over Cornell on Jan. 10 in New York City.

The two teams have split the season set for the past six years and the Lions last swept the Red during the 1979-80 campaign. The Red then takes to the road for a contest against Duke on Jan. 26.

Women's basketball

The women's basketball team, currently 3-9 on the season, 0-3 in the Ivy League, will be looking for its first Ivy win this weekend when it travels to Columbia and Fordham.

The Red lost its first matchup with the Lady Lions, 65-58, in overtime, while Sunday's contest with the Lady Rams will be the first meeting between the two teams. Senior Mary Browne leads the Red in scoring with 13.4 ppg., but more importantly, Browne has become just the third woman in Cornell history to score 1,000 career points. The 5-foot-9 guard accomplished that feat last Saturday night against Brown. Sophomore Patti Froehlich is the leading rebounder, with 9.9 rpg.

Men's hockey

The men's hockey team suffered a two-game split at home last weekend, topping Yale, 8-3, but succumbing to Brown in overtime, 5-4. The Big Red, 5-10 overall, and 2-8 in the ECAC prior to Wednesday's contest against Colgate, will entertain Dartmouth at 8:30 p.m. on Jan. 24.

Junior center Joe Nieuwendyk was the



Steve Kuntz, a junior, clears the bar for a high jump of 6'10" at the Cornell Invitational Jan. 18.

bright spot in last weekend's up and down performance. The 6-foot-2, 200-pounder, considered a top candidate for the Hobey Baker Award, had his second hat trick of the season vs. Yale and blasted home his 12th goal of the season on Saturday against the Bruins. In 11 games, Nieuwendyk has 23 points from 12 goals and 11 assists. He has scored in the last five games the Red has played, and in nine of his 11 outings.

Other home action

The men's and women's fencing teams, both having dropped matches to Yale last weekend, will try to recoup against Columbia and Penn at noon on Jan. 24 in Helen Newman Hall.

The men's and women's swim teams, fresh from wins over Colgate, will square off against Syracuse on Jan. 24 at noon in Teagle Pool.

Both gymnastics teams are at home this week, the women entertaining Connecticut on Jan. 24 at 2 p.m. in Teagle. The two squads will both be host to Cortland on Jan. 28, when the Red Dragons come to town for a 7:30 p.m. meet.

— Marcy Dubroff

The week in sports

Friday 1/23

Men's squash - Columbia and Hamilton, 4 p.m., Grumman Squash Courts.

Saturday 1/24

Men's squash - F & M and Rochester, noon, Grumman Squash Courts.

Men's and women's fencing - Columbia and Pennsylvania, noon, Helen Newman Hall.

Men's swimming - Syracuse, noon, Teagle Pool.

Women's hockey - Dartmouth, 2 p.m., Lynah Rink.

Men's J.V. basketball - Ithaca College, 3 p.m., Barton Hall.

Women's swimming - Syracuse, 3 p.m., Teagle Pool

Men's basketball - Columbia, 6:30 p.m., Barton Hall.

Men's polo - Virginia, 8:15 p.m., Oxley Polo Arena.

Men's hockey - Dartmouth, 8:30 p.m., Lynah Rink.

Sunday 1/25

Men's squash - Hobart and Lehigh, 10 a.m., Grumman Squash Courts.

Men's and women's indoor track - Army, noon, Barton Hall.

Wednesday 1/28

Men's and women's gymnastics - Cortland, 7:30 p.m., Teagle Hall.

Women's Hockey - RIT, 7:30 p.m., Lynah Rink.

Bierman cites tax law shortcomings

Tax laws should be changed to stop encouraging corporations from using excessive debt to acquire other firms or to defend against corporate raiders, according to a professor of business administration here and an assistant professor of economics at Carleton College in Northfield, Minn.

In an article published this month in Tax Notes, Professor Harold Bierman Jr. of Cornell and his son, Assistant Professor H. Scott Bierman, argue that the Tax Reform Act of 1986 failed to solve some problems associated with the corporate income tax and made others worse.

The Biermans call for eliminating tax deductions for interest payments and integrating corporate and personal income taxes to induce firms to base investment, merger and other decisions on "economic variables" rather than "artificially and unintentionally constructed tax incentives."

The current corporate income tax structure it gives firms an incentive to issue debt rather than stock. Firms receive a tax break when they pay interest on debt, but none when they pay earnings on stock to shareholders.

The authors say that substituting debt for equity increases a firm's value because of the tax saving and therefore is a "strong motivation for mergers, acquisitions and leveraged buyouts." Those kinds of transac-

tions have been associated with recent charges of financial wrongdoing as well as distracting management.

And "when the first priorities of the firm become the avoidance of bankruptcy and debt repayment . . . good investment projects become risky and impossible to finance," the article says.

Another problem they see is an expected increase in the number of corporations that will become master limited partnerships and S corporations, because both will have lower maximum tax rates under the 1986 tax revision than the normal corporation.

Their objection is that those kinds of corporate entities entail "more bookkeeping and manipulation, another cost layer, another inefficiency," Harold Bierman said in an interview.

The Biermans propose to solve these problems by integrating corporate and personal tax rates by attributing corporate income to the stockholders and taxing the investors in stock as having earned income when the corporation earns income.

The mechanism for accomplishing this would be for corporations to withhold and pay taxes on the income they earn, but for the taxes paid and withheld to be credited to the investors' tax and to increase their income.

Not allowing interest as a tax deduction

and attributing corporate income to stockholders would have "pleasant ramifications," according to the authors:

- No tax advantage, or disadvantage, in retaining earnings versus distributing dividends (the latter would not be taxed).

- No tax-induced incentive to reorganize a company or to acquire a firm.

- No advantage in debt financing for an investment project rather than equity financing.

- Because corporate and non-corporate income would be taxed at the same rate, investment capital theoretically would flow to projects with the greatest social value.

- There would be no tax advantage for one type of organization rather than another.

If enough support cannot be garnered to integrate the corporate and personal tax rates, then the next best alternative is to modify the base on which the corporate income tax is calculated, the authors assert.

They propose eliminating the deduction taken for interest expense, because "interest is simply a return on invested capital in the same way that dividends are a return on invested capital," and there is no economic reason for taxing the two returns differently.

— Barry Gross

Barton Blotter: Peruvian clay pots stolen

Three pre-Columbian Peruvian clay pots — the oldest dating back about 1,000 years — were stolen from a display case in McGraw Hall sometime Jan. 10 through 12, according to the morning reports of the Department of Public Safety.

Total value of the pots was set at \$850. They were in one of three glass-covered display cases maintained by the Department of Anthropology on the second floor of McGraw.

The glass of the display case was shattered and three of six pots in the case taken. The other two cases which contained six similar pots were untouched.

Also reported stolen during the period Jan. 9 through 15 was a three-foot cross-section of a sugar pine tree felled around the turn of the century that was on display Kimball Hall. No price was set on the specimen, believed to be irreplaceable.

There were a total of six thefts with losses in cash and valuables set at \$1,303 reported during the seven-day period. Other thefts included \$45 in cash taken from a locker in Teagle Hall, and two cassette players valued at a total of \$325, taken from cars parked on campus.