

Cornell CHRONICLE

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Campus
parking

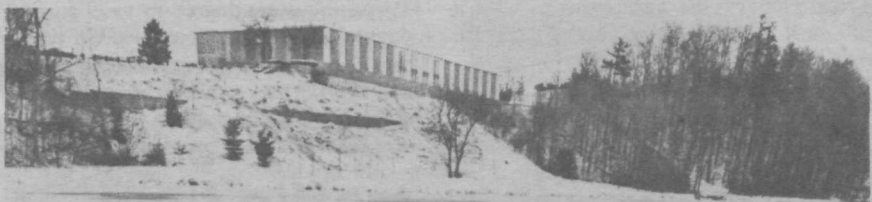


4

Cornell Club
of Beijing

8

The
Christmas
tree crop



Jill Peltzman

FROZEN FALLS — Beebe Lake below Helen Newman Hall froze last week-end when Arctic air swept New England, setting record colds.

Cornell reaffirms position on grant for cat research

Cornell administrators have reaffirmed a policy of defending faculty members' academic freedom to conduct any legitimate research using animals models.

They were responding to criticism from government officials who want to continue funding Dr. Michiko Okamoto's drug-withdrawal research at the Cornell University Medical College and to animal rights advocates who want the studies stopped.

The Medical College professor of pharmacology had decided not to resume her research on chronic barbiturate withdrawal using cats, and federal funding was refused because of the issue of "institutional credibility" and not in deference to animal rights protestors, Dr. Gregory W. Siskind, associate dean for research at the Medical College, and university President Frank H.T. Rhodes insist.

Okamoto, who used cats as animal models of barbiturate addiction in humans until 1987, turned down more than \$700,000 from the National Institute on Drug Abuse (NIDA) earlier this year because the grant would have supported further cat studies but not the development of rats as an alternative animal model, as she had proposed.

Medical College Dean G. Tom Shires has provided full replacement funding from Cornell resources for her research laboratory, "without restrictions, for the amount and time of the NIDA grant which was declined," Siskind wrote in a Nov. 30 letter to Charles R. Schuster, director of the NIDA.

Okamoto's work had made the New York City-based college a target of picketing, pamphleteering and other protest tactics by supporters of Trans-Species Unlimited, an animal rights organization.

College officials report that, in 1987, more than 10,000 letters were received from animal rights activists protesting Okamoto's research. Trans-Species Unlimited claimed victory when the college appeared to promise an end to Okamoto's cat-drug studies,

and then it threatened more protests when NIDA funding for cat studies was renewed.

The issue of institutional credibility stems from the ambiguity of an August 1987 Medical College letter in response to those who had expressed concern for the cats' welfare.

That letter read, in part, "This work has made important contributions to our understanding of drug dependence and withdrawal. Experience shows that better understanding of fundamental mechanisms will ultimately lead to improved care of patients.

"The research . . . that required the use of the cat model has essentially been completed. The research on drug addiction that will be pursued in the future by this laboratory requires the development and use of new methods and experimental systems that do not involve cats."

"Unfortunately, it appears that some persons, including some congressional offices, interpreted the 1987 letter as suggesting that Okamoto would never again use cats in research," Siskind's letter to Schuster noted. "It was certainly not our intent to indicate that."

Siskind was responding to an accusation by the NIDA director, who blamed Cornell for failing to defend the principle of academic freedom "against anti-intellectual forces" and for acceding "to the demands of animal rights protestors who had targeted this project for elimination on non-scientific grounds."

When the NIDA approved Okamoto's funding for further cat-drug studies but refused her rat-drug funding request, the response from recipients of the earlier statements "challenged the credibility of the institution and accused the institution of misrepresenting the facts," Siskind told Schuster. The decision to turn down the cat-drug grant "was made purely on the ba-

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Glee Club trip to Asia to include performances in China

The Cornell Glee Club — its 54 current members augmented by 30 alumni singers — will leave on Dec. 28 for a series of concerts in the Far East, including a first visit to mainland China, and performances in Singapore and Hong Kong.

Professor Thomas Sokol, conductor of the Glee Club, said he recruited the additional voices "because the Western choral tradition is new in China, and I wanted a solid body of sound to transmit the sonorous resonance of a male chorus."

Singers will rehearse during Christmas week at Sage Chapel. Rehearsals are open to the public on Dec. 24 from 11 a.m. to 1 p.m. and 2 to 4 p.m., on Dec. 26 from 7 to 9 p.m., and on Dec. 27 from 11 a.m. to 1 p.m.

In addition, the Glee Club will perform for the Christmas morning service at St. Paul's Methodist Church and will go caroling for area shut-ins.

The programs for the Far East will include a wide variety of music, from the Renaissance to contemporary American.

"Reflections on a Wooden Bridge," a traditional Mandarin folk song, also will be part of the program.

The Mozart "Freimaurer Cantata" will be performed with the orchestra of the Hong Kong Academy of Performing Arts and with the Shanghai Conservatory Chamber Orchestra.

The first stop en route to China will be Singapore, and after China, there will be eight days in Hong Kong.

Singapore performances will be staged at

Victoria Concert Hall and at St. Andrew's Cathedral, and the Glee Club will appear on Singapore Broadcasting Corp. radio and television.

Edward Harris, Arts '78, who represents Chase Investments in the city-state, plans to give a reception in the Glee Club's honor.

In Beijing, arrangements have been made by Susan Paolini, Arts '86, the president of Dynasty Enterprises, her own consulting firm, for a Glee Club concert in Bei-

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Trustees' executive committee opens '89-'90 budget talks

The executive committee of Cornell's board of trustees began preliminary budget talks last Thursday, hearing predictions of relatively modest tuition increases in the privately supported colleges and of still tighter times in the state-supported units.

The 1989-90 budget for the endowed side will not be adopted by the trustees until mid-March; and the state budget, which provides about half the funds to operate the state-supported schools, is not scheduled for legislative adoption until the end of March.

Nevertheless, both budgets moved onto the agenda of Thursday's executive committee meeting at the Medical College in New York City, and they will be widely discussed from now on by deans, faculty committees, administrative groups and the University Assembly, in addition to the trustees.

In discussing the endowed budget, Provost Robert Barker said preliminary planning assumptions suggest that undergraduate tuition might rise from the current figure of \$13,100 to between \$13,900 and

\$14,100, which would be an increase of between 6.1 and 7.6 percent.

Barker also said preliminary indications are that the university's contribution to financial aid from general-purpose funds should increase by about 15 percent to some \$18 million from \$15.6 million this year.

Barker said the mandatory student activity fee should hold at \$39.50 but that some increase was being considered in the amounts students are expected to contribute toward their financial-aid package.

For the statutory colleges, tuition won't even be estimated until March. But President Frank H.T. Rhodes reported to the committee that Cornell had just been notified by state officials of a fourth round of required spending reductions — this time, \$383,600 — to be made within the current state fiscal year, which runs through March 31.

Because of continuing concern about a revenue shortfall in Albany, the State Uni-

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Notables

Physicist **Velt Elser** has won the 1988 William L. McMillan Prize, awarded by the University of Illinois at Urbana-Champaign.

The prize, which includes a \$1,000 cash award, is given annually to "a young condensed matter theorist for distinguished accomplishments within four years of the Ph.D. degree."

Elser, who joined the Cornell faculty this fall, was cited for "his contributions to the field of quasicrystals and for his studies of quantum fluids and quantum spin systems."

He is an assistant professor in the Department of Physics and the Laboratory of Atomic and Solid State Physics. Elser received a B.S. degree from the California Institute of Technology in 1979 and a Ph.D. from the University of California at Berkeley in 1984. Before coming to Cornell, he worked four years at AT&T Bell Laboratories.

Douglas A. Haith, professor of agricul-

tural engineering, has won the American Society of Civil Engineers' 1988 Wesley W. Horner Award for achievements in environmental engineering. He shares the award with Susan S. Kaufman, an environmental engineer with an Easthampton, Mass. firm, for a paper on disposal of municipal sewage treatment plant sludge.

The award was established in 1968 to honor Horner, a past president of the society. Founded 1852, the ASCE is the oldest national engineering society in the country and has more than 100,000 members.

A member of the Cornell faculty since 1971, Haith received a B.S. degree in 1964 and an M.S. degree in 1966, both from Massachusetts Institute of Technology, and a Ph.D. in 1971 from Cornell.

Geology Professor **Donald L. Turcotte**, chairman of the Department of Geology, has been elected an Honorary Foreign Fellow of the European Union of Geosciences

(EUG), a distinction bestowed on only six persons every two years when the EUG holds its biennial meeting. According to William Lowrie, president of the union, "Our intention is to honor scientists from outside the Council of Europe who have outstanding records of achievement in their field." Some 1,500 to 2,000 scientists are expected to attend the EUG's biennial meeting March 20 through 23 in Strasbourg, France.

Ronald Kline, assistant professor of the history of technology in the School of Electrical Engineering and the Program in the History and Philosophy of Science and Technology, has received the Society for the History of Technology's 1988 prize for the "best paper in electrical history published during the previous calendar year." Known as the IEEE Life Members Prize in Electrical History, the award carries with it a \$500 cash prize. Kline received the prize

for his paper, "Science and Engineering Theory in the Invention and Development of the Induction Motor, 1880-1900," which appeared in the April 1987 issue of the journal "Technology and Culture."

Associate professor of electrical engineering **Clifford R. Pollock** is the national winner of the 1988 C. Holmes MacDonald Outstanding Teaching Award presented annually by Eta Kappa Nu Association, the national electrical engineering honor society. The award "is an attempt, in part, to counterbalance the significant academic pressures on research and publication performance for young professors and to reaffirm the basic and essential need of excellence in teaching," according to Antonella D. Lynch, chairperson for the award. Pollock, 34, joined the Cornell faculty in 1983. He earned a bachelor of science degree in 1976, a masters degree in 1979 and a Ph.D. degree in 1981, all from Rice University.

Briefs

■ **Fare increases:** CU Transit will increase fares on its Northeast Transit Route 2 to Langmuir Laboratory and its East Ithaca Route effective Jan. 17 in conjunction with the announced general fare increases for the TomTran bus routes. The NET2 fare will increase to 60 cents from the current 50-cent rate. The East Ithaca fare, which currently is 35 cents, will increase to 50 cents. Transfers from East Ithaca to TomTran routes will be 10 cents, a decrease of 5 cents from the current 15-cent rate.

■ **Meals with Morley:** Employees may sign up for breakfast or lunch with Senior Vice President James E. Morley Jr. by calling the Office of Human Resources at 255-3621. The meals will be held each month during the academic year. Dates and places include a Dec. 16 lunch at the ILR Conference Center and a Jan. 24 breakfast at Hughes Dining Hall in the Law School. Other dates will be announced.

Chronicle schedule

This is the last issue of the Cornell Chronicle for this semester. The Chronicle will not publish for the next four weeks.

Publication will resume on Jan. 19, 1989. A schedule of Chronicle publication dates for Spring 1989 will be available early next semester.

The deadline for submitting items for the calendar, etc., remains 10 days prior to publication.

Cornell Chronicle

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Cornell urges Alternative C to improve Ithaca 'Octopus'

Cornell has endorsed the most comprehensive of three alternative responses for solving the decades-old traffic problems of West Hill and the so-called "Octopus" intersection at its base.

Cornell's position was stated by Senior Vice President James E. Morley Jr. in remarks prepared for delivery Wednesday night at a public hearing sponsored by the State Department of Transportation (DOT).

"It is rare for Cornell to take a formal position on local issues," Morley said, "but we consider this situation exceptional because of the profound implications for the safety, well-being and environmental quality of the lives of our 9,000 employees and 18,000 students and of everyone else living and working in the Ithaca region."

The DOT hearing, a second session of which is scheduled at 7:30 p.m. tonight in the NYSEG auditorium, is being held to gather views on three models for relieving traffic congestion in and near the Octopus, improving access to and from West Hill and the Tompkins Community Hospital, and improving safety and traffic flow on Route 96.

The three models usually are called Alternative A, B and C. Alternative A extends and alters some roads and rebuilds bridges over Cayuga Inlet but does not substantially change Route 96 or end the need for cars to drive over the railroad crossing.

Alternative B alters roads but also adds a three-lane road to climb West Hill and join Route 96 at the hospital.

Alternative C would make this new road four lanes and also, in an option favored by Cornell and many others, put an overpass across the railroad crossing.

Morley said Cornell "categorically opposes" Alternative A because it does not meet two of the DOT project criteria: improving access to West Hill and the hospital, and improving safety and traffic capac-

ity on Route 96.

"This problem has been studied at least since 1957," Morley noted. "Moreover, my understanding is that its complete solution — from today — could take from eight to 10 years. It is obvious, therefore, that the Ithaca community must not even consider partial solutions." The solution Cornell "strongly endorses" is Alternative C with the overpass option, he added.

"Whether we look at long-range medical needs, present and future traffic congestion, or safety problems . . . only that alternative offers a full and responsible solution."

Morley said the old and very young are the fastest-growing segments of the region's population and thus would create even greater need for services from Tompkins Community Hospital. He also cited figures showing strong demand for emergency health services, police and fire officials' concern about crossing the railroad tracks and clearing the Octopus during a possible disaster, and DOT projections of a 42 percent growth in traffic over the next 20 years.

Noting that the state and federal governments already have set aside funds to pay for a solution that would serve "for the next half century or more," Morley said:

"In light of present inadequacy, certain — if modest — growth, and a one-time chance to have state and federal government pay for the solution of our long-neglected problem, we must act now."

The DOT will consider written comment until Jan. 15 and then recommend one solution to the federal government. Because the work would involve property in the City of Ithaca, the Common Council also will have to approve the DOT choice. Subsequent reviews of precise plans, state acquisition of lands, and advertising for bids would put the start of work at least several years hence.

— Sam Segal

Parking needs, traffic flow to be reviewed

To park or to walk, how far and where.

University planners are juggling these key questions as they take on the task of integrating current and future construction with Cornell's 19th-century core campus.

The help of the faculty and staff is a crucial component in addressing these kinds of questions, said William D. Gurowitz, vice president for campus affairs.

In a recent letter to all faculty and staff, Gurowitz solicits "comments and advice" during the development over the coming months of a "comprehensive" transportation plan for the university.

The plan is being developed with the help of two outside consultants, Gurowitz wrote, adding that it will cover traffic circulation, roadways, transit services and parking.

When the plan is finished, it will be an integral part of Cornell's general campus master plan.

Among the issues under consideration are these:

- Restrictions on access to the campus.
- More short-term-parking options.
- Park-and-ride programs.
- Increased enforcement of regulations.

Last week, Gurowitz told the university trustees' Buildings and Properties Committee that some 1,300 additional parking spaces will be needed on campus over the next five years.

In his recent letter, he explained that creating parking areas entails changing roadways, lighting, sidewalks and landscaping, and that a comprehensive transportation plan must give high priority to safety and environmental issues.

Pedestrian ways, bicycle routes and green spaces are crucial components of future development, he added.

Solutions to the traffic and parking problems will require a mix of financial resources, Gurowitz said, pointing out that the university currently provides an annual subsidy of more than \$500,000.

State and federal funds will be sought, construction projects will be charged for replacement parking and the additional load they put on campus parking and traffic circulation, and fees for parking permits undoubtedly will be increased, he said.

Gurowitz and other staff members have begun to hold meetings to discuss the project with committees and groups throughout the campus, and such meetings will continue as the planning progresses.

Gurowitz and Cornell Transportation Director William E. Wendt already have met with such groups as the Committee on Transportation Services of the University Assembly, the Deans Council, the Executive Staff and the Faculty Council of Representatives.

Gurowitz concludes his letter to faculty and staff by stating, "I invite your participation at any time, and I welcome your ideas and advice as we seek ways to meet the future transportation needs of the university community."

Obituary

Chandler Morse

Chandler Morse, a professor emeritus of economics who was a member of the Cornell faculty from 1950 until his retirement in 1971, died on Dec. 5 in Sarasota, Fla. He was 82.

Morse was a specialist on international economics with a particular interest in Africa. In 1959, he was chairman of the British government's Economic Survey Commission to Basutoland, Bechuanaland Protectorate and Swaziland. His article, "The Economics of African Socialism," was published in 1964.

He was co-author with Harold Barnett of the book "Scarcity and Growth: The Economics of Natural Resource Availability," published in 1963.

Morse was acting director of the Afro-American Studies Program at Cornell from its establishment in 1968 until 1969 when James E. Turner was named director of the Center for Afro-American Studies, which is

now the Africana Studies and Research Center.

Morse had said that the key to his theoretical interests was contained in an article he wrote in the mid-1960s titled "Becoming vs. Being Modern."

Before coming to Cornell, Morse worked for nearly 20 years with Federal Reserve System and the U.S. Office of Strategic Services. He was one of the principal authors of the Krug Report, "National Resources and Foreign Aid," for the Department of the Interior in 1947.

He held faculty positions at Dartmouth College in 1928 and 1929 and at Williams College in the late 1940s.

Morse was born in Brooklyn and raised in Putnam, Conn. He received a bachelor of arts degree from Amherst College in 1927 and a master of arts degree from Harvard University in 1928.

Survivors include his wife, Katrina Pease Morse, and several nieces and nephews.

ILR displays cartoons by labor activist

The drawing credited with originating the term New Deal and other political cartoons drawn by a labor activist who served in Congress immediately after World War I are on display on the first floor of Ives Hall into January.

The cartoons are the work of John Baer (1886-1970), who represented North Dakota's First Congressional District from 1918 to 1921. He is believed to be the only cartoonist to be elected to the House of Representatives.

The exhibit, entitled "John Baer Views the Political Scene," was designed by the School of Industrial and Labor Relations to show that political and social issues from decades back remain relevant today.

One of Baer's 1931 cartoons is believed to be the origin of the New Deal, the name that President Franklin D. Roosevelt applied to his administration.

It shows a worker, farmer and an honest businessman facing four poker players who hold all the chips and are labeled Congress, speculator, big business and crooked politician. The caption reads: "We demand a new deal."

Other subjects covered by the 23 cartoons include the Taft-Hartley Act, union opponents, Medicare, the high cost of living, low-cost housing and tax reductions.

All the cartoons except one on the New Deal are the original pen and ink drawings.

The exhibit also includes Baer's sketches of Presidents William Taft, Franklin D. Roosevelt, Harry S. Truman, Dwight D. Eisenhower, John F. Kennedy, Lyndon B. Johnson and Richard M. Nixon.

Most of Baer's cartoons appeared in Labor, a publication of the Railway Brotherhoods. Baer served on its editorial board from 1922 until his death in 1970, and the publication donated the archives to the School of Industrial and Labor Relations several years ago, said Richard Strassberg, associate director of the school's Catherwood Library.

In Congress, Baer was a spokesman for North Dakota farmers. According to the exhibit, farmers saw food prices climb during World War I while their purchasing power declined, because bankers, middlemen and speculators took an increasing share of farm income.

—Albert E. Kaff



Political cartoons by labor activist John Baer, a North Dakota congressman from 1918 to 1921, from the exhibition on display in the lobby of Ives Hall.

Cornell offers local agency \$5,000 grant

Cornell has pledged to give up to \$5,000 to Ithaca Neighborhood Housing Services by matching others' donations on a two-for-one basis.

The challenge grant is in addition to the university's annual contribution toward operating expenses at INHS, which focuses its efforts on revitalizing deteriorated housing in Ithaca, according to David I. Stewart, Cornell's director of community relations.

Stewart said the challenge grant will help INHS offset the loss of federal funds for the agency's housing activities in 1989.

"For every two dollars donated by individuals and business in the community through Jan. 10, Cornell will donate one dollar, making the \$5,000 gift worth \$15,000," Stewart said.

Doug Dylla, executive director of Ithaca Neighborhood Housing Services, said the leadership gift will help provide affordable housing in Ithaca during "a difficult time of budget constraints at INHS, particularly because of the loss of federal Community Development Block Grant funds."

Arthur Pivrotto, president of Citizens Savings Bank and INHS fund-raising chairman, said, "Cornell's gift is extremely generous. To date, over \$7,500 in donations have been received during the drive. Now we are looking for others who are willing to invest in Ithaca through INHS to meet Cornell's challenge."

INHS volunteers will be soliciting donations by phone and in person through early January, Dylla explained.

Earlier this year, the university granted INHS the salvage rights to the former Cornell Quarters graduate-student housing complex off Maple Avenue in the Town of Ithaca. Doors, awning windows, cabinets, stoves, refrigerators, water heaters, toilets and sinks were among the many items donated. INHS also conducted a yard sale of excess materials, with all proceeds benefiting the agency.

In addition to its annual cash contribution, Cornell assists INHS through university programs such as Cornell Tradition, CIVITAS and the work-study program, providing students to work at the service.

"This is a unique private-public partnership that benefits our community by providing affordable housing opportunities for low- and moderate-income families," Stewart said. "We hope that others in the community will pledge their support to Ithaca Neighborhood Housing Services."

Finance specialists advise how to fight off corporate takeovers

Two finance specialists at Cornell have offered corporations a list of steps to take to avoid becoming takeover targets and to fight such attempts once they have begun.

Avner Arbel, a professor of financial management in the School of Hotel Administration, and Robert H. Woods, a Ph.D. candidate in management organization and human resources, suggest that anti-takeover strategies "can do more than discourage hostile acquisitions."

They also can prepare you to maximize the bidding price for the firm and increase your own job security in the event that a takeover cannot be stopped or is deemed advisable.

Writing in the current issue of The Cornell H.R.A. Quarterly, the authors say,

"Even the novice manager must realize that the current [mergers and acquisitions] mania could make any company the target of a hostile takeover. Knowing how to prevent takeovers can help a manager turn the tables on the shark or at least make the shark's meal less digestible."

Arbel and Woods wrote their article before Kohlberg Kravis Roberts & Co. bought RJR Nabisco Inc. for a record \$25.07 billion. But they said that acquisitions made between 1981 and 1986 "cost some 500,000 managers jobs that they had held for at least three years."

Most corporate takeovers occur when "the market price of a company's stock fails to reflect the company's true value," Arbel and Woods said.

Arbel — who also is co-author of a book to be published in April, "Crash: 10 Days in October that Can Strike Again" — and Woods discuss in detail several anti-takeover measures. They divide what they call their "shark-repellent strategies" into 15 steps to take long before a company might be a takeover target and 11 steps to stop a takeover attempt after it has begun, to buy time or to increase the price a would-be shark would pay for the company.

Their article describes long-term strategies for preventing takeovers, including:

- By full disclosure, avoid creating "hidden company values in terms of assets or earning power."
- Selecting "friendly board members."
- Giving extra voting rights to certain

classes of shares and increasing participation in employee stock ownership plans.

• Providing golden parachutes to senior executives, silver parachutes to middle managers and tin parachutes to all employees who might lose their jobs in a takeover.

The article outlines short-term strategies that can be adopted when a takeover attempt has started, including:

- Various legal actions based on anti-trust grounds.
- Selling off "the crown jewels [that are] the company's most valuable assets."
- Acquiring new assets so as to "become too large to swallow."
- Incurring additional operating costs for new products.

—Albert E. Kaff

New ILR book tells how labor-management teams saved jobs

A new book recounts how management and labor worked together to save jobs and prevent closings by cutting costs and improving productivity at three factories in New York state in the face of foreign competition.

"A Fighting Chance: New Strategies to Save Jobs and Reduce Costs" describes how cost-study teams:

- Saved 300 jobs at Trico Corp.'s plant in Buffalo as a result of cost savings and improved production methods recommended by union-management study teams.
- Cut costs by \$1.2 million at the Harrison Radiator Division of General Motors Corp. in Lockport by adopting recommendations from plant workers.
- Demonstrated that the quality of a wire

harness operation in a Xerox Corp. plant in Webster was 36 times higher than that of a proposed Mexican supplier. The work was kept in Webster.

The book is based on research conducted by Programs for Employment and Workplace Systems (PEWS) and published by the ILR Press. Both are part of the School of Industrial and Labor Relations.

Established at Cornell in 1982, the mission of PEWS is to help companies remain competitive and to save jobs and increase employment, particularly in New York state. The organization serves as a neutral third party to help labor and management work together to be more effective.

Sally Klingel and Ann Martin, extension associates in the Industrial and Labor Rela-

tions School, edited the book. The research was supported by the Commission on Trade and Competitiveness, part of the New York State Industrial Cooperation Council.

"In the last two decades, America's industrial superiority has been challenged by foreign companies that manufacture products of higher quality at lower cost," the book notes. "American companies have responded in two basic ways: by fleeing or fighting."

It goes on to examine how members of union and management worked together in cost-study teams "to find ways to restructure production to achieve cost savings so as to restore the competitive strength of the threatened operation."

Governor Mario Cuomo said, "A Fight-

ing Chance' is an important book. It describes how companies that have had the courage to break with tradition and involve workers have achieved greater competitiveness. This book demonstrates that workplace participation can be profitable — for workers, companies and, ultimately, the nation."

Jack Sheinkman, president of the Amalgamated Clothing and Textile Workers union, commented that "American companies faced with international competition do have alternatives to cutting wages, downsizing and outsourcing. 'A Fighting Chance' is an important resource for anyone concerned with competitiveness and the future of America's jobs and standard of living."

—Albert E. Kaff

Beijing alumni survived China's Cultural Revolution

The Cornell Club of Beijing had 105 members at its establishment, which became possible only after a major impediment was no longer in the way: the Great Proletarian Cultural Revolution.

While by no means the first anti-intellectual drive in the brief history of the People's Republic of China, the Cultural Revolution was the most pervasive.

Recently, at an informal meeting in Beijing over tea and cakes, some of the club's leading members recounted bitter experiences of years spent in farms and paddy fields, even in jail. But as with Cornellians elsewhere, talk of the university brought warm glows.

China's major policy changes of the last decade have made it possible for students to study at Cornell again and for alumni to return. In fact, the president of the club, Tang Zhenxu, is on a six-month visit to his four children in the New York City area.

(Tang received a master's degree in chemical engineering in 1937 and a Ph.D. in 1941.)

He recalled in an interview that President Frank H.T. Rhodes led a Cornell delegation to Beijing in 1980. "When I heard he was coming, I organized a banquet. We were so happy. We were still alive. We survived the Cultural Revolution," he said.

Soon afterward, Tang was able to send his youngest son to Cornell, thanks to the generosity of an old friend on Taiwan who had become a wealthy shipowner.

In 1984, Tang Yan Zeng received a bachelor of science degree in electrical engineering, and his father, mother, sister and two brothers travelled to Ithaca to attend commencement.

David B. Williams, who has since retired as director of international public affairs, suggested organizing a Cornell club in Beijing, and Tang promised to undertake it on his return.

The first meeting was held June 28, 1987. Tang, who was the founder and honorary [retired] president of the China Academy of Railway Science, invited Dr. Mao Yisheng, M.S. structural engineering '17, the former president of the academy; and Dr. Yang Xiantong, M.S. agricultural economics '35, Ph.D. '37, the former vice minister of agriculture who made China the world leader in cotton production, to be honorary co-presidents.

Yang's service in his ministry was interrupted by two years in prison and two further years of "re-education" on a farm during the Cultural Revolution.

Elected vice president was Li Pei, '48 ILR. After 20 years on the faculty of China's university of science and technology, she spent three years of the Cultural Revolution working in a paddy. Restored to the chair of the foreign languages department, Li resumed contact with Cornell when it became possible again to send students abroad and to recruit graduate students to teach English in China. She visited Ithaca in 1987.

Also attending the informal meeting in Beijing were:

- Wei Ceng, M.S. civil engineering '37, who became chief engineer of the highway research institute after teaching at two major Chinese universities. From 1969 to 1972, "I was a farmer," he said.
- Huang Liang, Ph.D. chemistry '49,



Members of the Cornell Club of Beijing visiting the home of Dr. Yang Xiantong, former vice minister of agriculture, second from left. The club was started in 1987 with 105 members.

who has worked to develop anti-cancer and contraceptive therapies. She and her husband, who is in animal husbandry, remained in the United States until 1956, then joined the Chinese Academy of Medical Science. Their daughter, a Ph.D. in material science, was born in Ithaca and is now a post-doctoral fellow at International Business Machines Corp.

During the Cultural Revolution, "we were better off than most scientists," she said. Her daughter and husband were sent to remote areas while she remained in Beijing to work in a furnace room and clean toilets.

• Chen Junshi, M.D. '56, from Beijing Medical College, who studied nutrition at Cornell as a World Health Organization fellow in 1980-81.

He has since exchanged visits with Professor Colin Campbell, with whom he is collaborating on a long-term study of diet and disease in China.

Relaxing in his son's Manhattan apartment recently, Tang appeared comfortably at home in New York. After completing his Cornell Ph.D., he worked in the city for Electric Bond and Share Co. and then joined the Universal Trading Corp., a purchasing agency of the Chinese government.

He was also an officer of the North America section of the Chinese Institute of Engineers and made lifelong friends. Some remained in the United States, others went to Taiwan, including Hui Huang, president of the Cornell Club of Taipei. The two have met with each other — "he is my good friend" — but only in New York.

Tang returned to China in 1945, applying

his technical expertise to the country's post-war rehabilitation. In 1948, he was named president of Southwestern Jiaotong University in Sichuan province, his alma mater. Founded in 1896, its original faculty included a number of Chinese Cornell alumni. "We had the Cornell spirit, we stressed quality and we were called 'the Cornell of the East,'" Tang recalled.

During the Chinese civil war, the university evacuated to safer areas. When the war was over in 1949, Tang sought to build up the school and its faculty.

"I telegraphed Chinese engineers and students in the United States and told them, 'China is liberated, come back and teach,'" he said.

"I recruited 80 professors. The university became very strong. I wanted to make it not only a center of education but also a center of scientific research."

After two years, Tang moved to Beijing and established his research institute there. The largest and best-known unit is the China Academy of Railway Sciences, with a staff of 4,000. But the Cultural Revolution brought scientific research to a halt. Tang was assigned as a factory worker, but then volunteered to be exiled to the region of Tibet to study railway problems.

When the Cultural Revolution ended, Tang proposed building a railroad from central China to Tibet, a task of enormous complexity in a mountainous area. An article describing his success was titled "A Pioneer's Footprint."

Tang was delighted to promote an agreement between his Chinese and American universities to undertake educational ex-



Tang Zhenxu

changes. He is equally pleased to see a Cornell Club take shape in Beijing. "In the past 80 years, Cornell has had 4,000 Chinese graduates, so our work is only starting," he said.

But recruiting Chinese alumni of the 1980s is a problem, he noted. Most of those who study abroad don't want to return to China.

— Irv Chapman

Choir *continued from page 1*

jing Music Hall. In Shanghai, performances will be staged at St. Ignatius Cathedral and Fudan University, as well as at the Conservatory. The U.S. Consulate will host a reception.

Leslie Severinghaus, Arts '21 and a Cornell trustee emeritus, will introduce the Beijing concert.

Following his graduation, Severinghaus was a language instructor in China and has retained numerous personal contacts there.

The Glee Club will be featured in the first Hong Kong choral festival. The Cornell singers will perform two selections from Haydn's "The Creation," joined by choirs from Hong Kong Chinese University, Hong Kong Baptist College, and Hong Kong Academy.

The Cornellians will visit several local universities for master classes, will stage a recital at St. John's Cathedral, and also will perform for the Cornell Club of Hong Kong. Albert Wu, Hotel '76, general manager of the Hotel Fortuna, has arranged lodging at his hotel.

The group will leave for home on Jan. 17.

Also traveling with them will be a television crew led by David O. Watkins, director of Cornell Media Services. The edited videotape will be offered to public television stations.

China will be the 25th country in which Sokol has conducted. He led a Glee Club tour of Asian countries in 1966, sponsored then by the U.S. State Department.

"But the closest we got to mainland China was the island of Quemoy," a Taiwanese military stronghold, Sokol recalled. The tour also included Sri Lanka, Thailand, Japan, the Philippines and Malaysia.

"We appeared on Taiwan television during that tour," Sokol noted. "A Chinese Air Force general saw the program, called me, and invited the Glee Club to perform for his troops on Quemoy."

"He sent a C-119 transport plane to take us there, and we sang in an underground auditorium hewn out of solid rock!"

— Irv Chapman

Story to air on Cornell Chorus, conductor

The MacNeil/Lehrer NewsHour plans to air a pre-Christmas story on the career of Susan Davenny Wyner, associate professor of music who made a career transition from singing to conducting.

A camera crew recently taped a perform-

ance of Handel's Messiah by the Cornell Chorus with Wyner conducting.

The air date is likely to be between Dec. 20 and 23. NewsHour may be seen nightly on Syracuse, Binghamton, and Scranton member stations of public television.

Chronicle spring semester publication schedule

Issue Date	Submission Deadline	Issue Date	Submission Deadline
Jan. 19	Jan. 9	April 6	March 27
Jan. 26	Jan. 16	April 13	April 3
Feb. 2	Jan. 23	April 20	April 10
Feb. 9	Jan. 30	April 27	April 17
Feb. 16	Feb. 6	May 4	April 24
Feb. 23	Feb. 13	May 11	May 1
March 2	Feb. 20	May 18	May 8
March 9	Feb. 27	May 25	May 15
March 16	March 6	June 8	May 30
March 23	March 13	June 22	June 12

CALENDAR

All items for the calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road, Ithaca, NY 14850.

Notices should be sent to arrive 10 days prior to publication and should include the name and telephone number of a person who can be called if there are questions.

Notices should also include the subheading of the calendar in which the item should appear.

DANCE

Cornell Folkdancers

The Cornell community and general public, including beginners, are welcome to join in folkdancing. Admission is free.

Holiday Party, Moakley House on Warren Road, 6 p.m. to midnight with dinner at 7 p.m., Dec. 17. Dancers are invited along with family and friends for a dish-to-share dinner and dancing. For more information, call Wies van Leuken: 257-3156. Dancing resumes Jan. 8, 7:30-11 p.m., in the auditorium, Martha Van Rensselaer Hall.

EXHIBITS

Johnson Art Museum

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

The museum will be closed during Winter session from Dec. 24 through Jan. 16.

"Artists' Books and Illustrations," from the Permanent Collection, organized by Nancy Green, associate curator of prints and photographs, featuring fine examples of artists' books and illustrations from the 20th century, through Dec. 18.

"Contemporary Art in Czechoslovakia: Selections from the Jan and Meda Mladek Collection," featuring the work of 12 Czech artists and including sculpture, painting, collage and reliefs, on view through Dec. 20. Artists represented in the show include Vladimir Janousek, Magdalena Jetelova, Jiri Kolar, Stanislav Kolibal, Eva Kmentova, Karel Malich, Jiri Naceradsky, Karel Nepras, Ladislav Novak, Adriena Simotova, Otakar Slavik and Ales Vesely.

"Nature Transcribed: The Landscapes and Still Lifes of David Johnson (1827-1908)," an exhibition of 40 paintings and eight drawings by the 19th-century American landscape painter David Johnson, which will be the first retrospective exhibition of the artist's work, through Dec. 23.

"Transformations: Louis I. Kahn's Library Projects," an exhibition of original sketches, office drawings and photographs exploring the designs of Louis I. Kahn for three self-contained school libraries, through Dec. 16. The exhibit, co-sponsored by the School of Architecture, attempts to trace the evolution of Kahn's design process.



FILMS

Films sponsored by Cornell Cinema unless otherwise noted. An (*) means an admission charge.

Thursday, 11/15

"The Verdict" (1982), directed by Sidney Lumet, with Paul Newman, James Mason and Charlotte Rampling, 8 p.m., Uris.*

Friday, 11/16

"Big City, Bright Lights" (1988), directed by James Bridges, with Michael J. Fox, Kiefer Sutherland and Phoebe Cates, 7:30 p.m., Uris.*

"Biloxi Blues" (1988), directed by Mike Nichols, with Matthew Broderick and Chris Walken, 10 p.m., Uris.*

Saturday, 11/17

"Stand and Deliver" (1988), directed by Ramon Menendez, with Edward James Olmos, Rosana De Soto and Lou Phillips, 7:30 p.m., Uris.*

"Big City, Bright Lights," 10 p.m., Uris.*

MUSIC

Bound for Glory

Records from the studio. Requests at 273-2121. Bound for Glory can be heard from 8 to 11 p.m. on WVBR-FM93.

RELIGION

Sage Chapel

Services will resume Jan. 22, 1989.

Catholic

Christmas Eve Mass: Dec. 24, 5 p.m. and 11:40 p.m.

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

The last daily mass of the semester will be held today at 12:20 p.m. in Anabel Taylor Chapel. Services will resume in January.

Christian Science

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

Episcopal (Anglican)

Christmas Service: Dec. 24, 5 p.m., Anabel Taylor Hall.

Every Sunday, 5 p.m., Anabel Taylor Chapel.

Friends (Quakers)

Sunday, 10 a.m., adult discussion; 11 a.m. meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

Morning Minyan: Young Israel House, 106 West Avenue. Call 272-5810.

Reform Services: Friday evenings 5:30 p.m., Anabel Taylor Chapel.

Conservative/Egalitarian Services: Friday 5:30 p.m., Saturday 9:45 a.m., Anabel Taylor Hall Founders Room.

Orthodox Shabbat Services: Friday evenings, Young Israel, 106 West Ave. Call 272-5810; Saturday 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

Every Sunday, 1 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: Every Sunday, 11:15 a.m., Anabel Taylor Chapel.

Baptist Campus Ministry (SBC): Every Saturday, 7 p.m., in the Forum, Anabel Taylor Hall.

Zen Buddhism

Zazen meditation: Tuesdays at 7 p.m. and Thursdays at 5:10 p.m. in the chapel or the Edwards Room, Anabel Taylor Hall. For more information or to arrange beginner's instruction, telephone Ian Dobson: 347-4303.

SEMINARS

Biochemistry, Molecular & Cell Biology

"DNA Binding and Transcriptional Activation by Four Yeast Activators, HAP1-4," Lenny Guarente, biology, M.I.T., Dec. 16, 4:30 p.m., 204 Stocking Hall.

Immunology

"Blocking T Helper Cell Function and IL-4 Activity Affects Host Response to *H. polygyrus* and *N. brasiliensis* Differently," Joseph F. Urban, U.S.D.A., Animal Parasitology Institute, Beltsville, MD., Dec. 15, 4 p.m., G-3 Vet Research Tower.

"Lymphokine Regulation of Immunoglobulin Class Expression," William Paul, Laboratory of Immunology, NIAID, NIH, co-sponsored with Cornell Biotechnology Program, Dec. 16, 12:15 p.m., G-3 Vet Research Tower.

International Nutrition

"Nutrition Gap and Dairy Development in India," Dilip Shah, rural studies, South Gujarat University, India, Dec. 15, 12:20 p.m., 300 Savage Hall.

Materials Science & Engineering

"Sol-Gel, Thin Films," Bruce Bunker, Sandia National Labs, Dec. 15, 4:30 p.m., 140 Bard Hall.

Microbiology

"Regulation of Pseudomonas Aeruginosa Exotoxin A," Susan West, post-doctoral fellow, microbiology and immunology, University of Rochester, Dec. 15, noon, G-3 Vet Research Tower.

"Vaccination and T-Cell Subsets in Experimental Leishmaniasis," Philip Scott, Laboratory of Parasitic Diseases, National Institutes of Health, Dec. 19, noon, G-3 Vet Research Tower.

"Glycoconjugate Receptors for Infectious Microorganisms and Toxins: Identification and Dissection of Binding Epitopes," Howard Krivan, staff fellow, Laboratory of Structural Biology, National Institutes of Health, Dec. 20, noon, G-3 Vet Research Tower.

Pharmacology

"The Role of Ion Channels in Mononuclear Phagocyte Activation," Deborah Nelson, Univeristy of Chicago, Dec. 19, 4:30 p.m., G-3 Vet Research Tower.

SPORTS

Tuesday, 12/27

Men's Varsity Basketball, at Southern Methodist, 7:30 p.m.

Wednesday - Thursday, 12/28-12/29

Men's Varsity Hockey, at Syracuse Invitational Tournament

Thursday, 12/29

Women's Basketball, Northern Arizona at Phoenix, 7 p.m.

Men's Varsity Basketball, at Duke, 7:30 p.m.

Friday - Sunday, 12/30 - 1/1

Women's Hockey, at Lake Placid Invitational

Saturday, 12/31

Women's Basketball, at Arizona, 1:30 p.m.

Tuesday, 1/3

Women's Basketball, at Arizona State, 7 p.m.

Men's Varsity Basketball, at Army, 7:30 p.m.

Wednesday, 1/4

Women's Hockey, at Princeton, 7 p.m.

Friday, 1/6

Men's Varsity Hockey, Brown, at home, 7:30 p.m.

Saturday, 1/7

Women's Hockey, Dartmouth, at home, noon

Men's Swimming, Navy, at home, 1 p.m.

Women's Basketball, Vermont, at home 4:30 p.m.

Men's Varsity Basketball, Drexel, at home 6:30 p.m.

Men's Varsity Hockey, Yale, at home, 7:30 p.m.

Sunday, 1/8

Men's Track, at Syracuse Invitational

Women's Track, at Syracuse Invitational

Women's Hockey, Harvard, at home, noon

Women's Swimming, at Princeton, noon

Men's Gymnastics, Princeton, at home, 1 p.m.

Monday, 1/9

Women's Basketball, St Francis (Pa.), at home, 7 p.m.

Men's Varsity Basketball, at Colgate, 7:30 p.m.

Wednesday, 1/11

Men's Squash, at Yale

Friday, 1/13

Men's Varsity Basketball, at Dartmouth, 7:30 p.m.

Women's Basketball, Dartmouth, at home, 7:30 p.m.

Men's Varsity Hockey, at RPI, 7:30 p.m.

Friday - Sunday, 1/13 - 1/15

Men's Squash, USSRA Championships at Boston

Saturday, 1/14

Men's Fencing, Yale, at home, 11 a.m.

Women's Fencing, Yale, at home, 11 a.m.

Men's Gymnastics, at Dartmouth w/Vermont, 1 p.m.

Men's Swimming, at Colgate, 1 p.m.

Women's Swimming, at Colgate, 1 p.m.

Women's Gymnastics, at No. Colorado w/Ft. Hays St. & Air Force, 2 p.m.

Women's Hockey, at Brown, 4 p.m.

Men's Varsity Basketball, at Harvard, 7:30 p.m.

Women's Basketball, Harvard, at home, 7:30 p.m.

Men's Varsity Hockey, at Vermont, 8 p.m.

Sunday, 1/15

Men's Track, Cornell Invitational, noon

Women's Track, Cornell Invitational, noon

Women's Hockey, at Yale, 1 p.m.

Women's Gymnastics, at Air Force, 2 p.m.

Tuesday, 1/17

Women's Basketball, at Canisius, 5 p.m.

MISC.

Alcoholics Anonymous

Meetings, open to the public, will be held Monday through Friday, 12:15 p.m. and Thursday evenings, 9:30 p.m., in Anabel Taylor Hall. For more information, call: 273-1541.

E.A.R.S.

Empathy Assistance Referral Service provides trained peer counseling. Call 255-EARS Sunday-Thursday, 3-11 p.m., or walk-in 211 Willard Straight Hall, Friday and Saturday, 6-10 p.m. All services are free, non-judgmental and confidential.

Gay Men's Association

The Gay Men's Association holds a discussion meeting each Wednesday from 7:15 to approx. 9:30 p.m. in Loft II, Willard Straight Hall. Discussion topics include: coming out to parents and people on the job, friendships with heterosexual men, gay parenting, long-term relationships, safe sex, and being gay and religious. For further information, call the Gay, Lesbian and Bisexual Coalition office at 255-6482.

Job Opportunities

December 15, 1988
Number 47
Office of Human Resources
Cornell University
160 Day Hall
Ithaca, New York 14853-2801

In compliance with the Immigration Reform and Control Act of 1986, Cornell University is now required to check the identity and employment eligibility of all new hires.

Effective June 1, 1987, if you accept a position, you must show documents on or before your first day of work, that indicate your identity and employment eligibility; for example, a state issued driver's license and a birth certificate. For more information, contact Staffing Services, 255-5226.

-WINTER HOLIDAY SCHEDULE: Due to the Winter Holiday, there will be no 'Job Opportunities' list on December 22, December 29, January 5 or January 12. Therefore, requisitions received after noon on Thursday December 8 through noon on Thursday, January 12 will be posted in the January 19 issue of 'Job Opportunities.'

THE HIRING FREEZE WILL BE DECEMBER 1, 1988 THROUGH JANUARY 2, 1989.

-Interviews are conducted by appointment only.

-Send cover letters & resumes to Staffing Services, 160 Day Hall, Cornell University, Ithaca, NY 14853.

-Employment & employee transfer application forms are available at both Staffing Services locations—160 Day Hall & East Hill Plaza.

-Requests for referral &/or cover letters are not accepted unless specified in the ad.

-Cornell University is an Affirmative Action/Equal Opportunity Employer.

-This listing is also available on CUINFO. Terminals are situated in main lobbies of Day Hall & Gannett Clinic, & the Olin, Mann & ILR Libraries.

-DEPTS.-Deadline for submission is noon on Thursday for following week's Job Opportunities.

-Minimum salaries listed are for recruitment purposes only.

-S=Statutory; E=Endowed

Administrative and Professional

TECHNICAL CONSULTANT III (PT4714) Theory Center-E

Provide full range of consulting svcs. to researchers using resources of the CNSF.

Req.: BS (grad. study in either comp. sci. or I of physical/biolog./engr. sci.). 3-5 yrs. related exp. Exp. w/mainframe computers essential, with VM/CMS & array processors desir. Fluency in at least 2 prgrmg. languages. Demonstrated ability to work w/complicated programs. Strong written & interper. skills. Letter & resume to Judi Baker by 12/30.

TECHNICAL CONSULTANT III (PT4715) Theory Center-E

Provide support in numerical analytical techniques in supercomputing; train staff & researchers in efficient use of scientific & mathematical pkgs.

Req.: BS req., MS pref. (grad. study in either computer sci. or I of the phys./biolog./engr. sci. using numerical techniques. 3-5 yrs. related prgrmg. exp. Exp. w/mainframe computers essential, with VM/CMS & array processors desir. Fluency in at least 2 prgrmg. langs. Demonstrated ability to work w/complicated programs. Strong written/interper. skills. Letter & resume to Judi Baker by 12/30.

NUTRITIONIST (PC4718) NYC Cooperative Extension-S

Plan, implement, admin. & evaluate a human nutrition & foods ext. program for limited resource families & other targeted audiences in a designated area of NYC (Brownsville, Brooklyn). Recruit, train & supv. work of 10 or more paraprofessionals & secretary.

Req.: BA w/major in human nutrition & foods (strong sci. & foods bkgnd.) MA pref. 4-5 yrs. related exp. Valid NYS driver's lic. req. Demonstrated ability to design, conduct & evaluate ed. programs. Comm. effectively (written/oral) w/variety of audiences. Supv. exp. Able to work independ. & as a team member. Letter & resume to Esther Smith by 12/23.

SR. ACCOUNTANT (PC4712) Controller's/Accounting-E

Maintain capital equip. inventory system for Endowed Colleges & govt. owned capital equip. inventory system for Endowed & Stat. colleges. Serve as financial analyst on projects such as implementation of depreciation & control of overdraft acts.

Req.: BS/BA w/emphasis in acctg. pref. 3-4 yrs. acctg. exp. Working knowl. of PC's & spreadsheet pkgs. Letter, resume & salary requirements to Esther Smith by 12/23.

MANAGER ON DUTY (PA4703) Statler Hotel-E

Resp. to Front Offc. Mgr. for evening & wknd. operations of hotel; gen'l. supv. of operating & support functions. Serve as 3rd. shift front desk attendant. 11 p.m.-7:30 a.m. 5 days/wk.

Req.: AAS hotel degree pref. 3-4 yrs. hotel exp.; supv. exp., good oral & written comm. skills. Letter & resume to Cynthia Smithbower by 1/6.

RESEARCH SUPPORT SPECIALIST II (PT4711) Clinical Sci.-S

Select, develop, validate & maintain computer, data acquisition boards, hardware front ends & interconnections for data collection in connection w/establishment of Performance Test Lab. Develop "user friendly" software for data collection & analysis for users. Collection & digital or analogue storage of data from treadmill.

Req.: BS/MS in mech./elec. engr. or whole animal respiratory or cardiovascular physiol. 2-3 yrs. exp. desir. Exp. in relevant biolog. sci., computer prgrmg. at machine lang. or FORTRAN level & high level interactive lang. ASYST pref. Exp. in pressure & fluid mechanics pref. Letter & resume to Judi Baker ASAP.

ASST. COORD. FOR ENGINEERING PLACEMENT (PA4704) Career Center/Engineering Placement-E

Assist in offc. planning & policy-making. Work w/large scale recruiting program & affiliated computerized interview sign-up system. Administer new alumni placement program. Provide guidance/advice to students & employ-

ers recruiting engr. students. Develop/conduct student job search workshops. Serve as dept. head in absence of coordinator. 9 months, summer excluded.

Req.: MS in counseling or related discipline strongly pref. 2-3 yrs. exp. working directly w/college students, pref. in career or student svcs. offc. Interest in engr. or tech. issues helpful. Exc. org., comm., interper. skills. Letter & resume to Cynthia Smithbower.

RESEARCH SUPPORT SPECIALIST III (PT4109) Vet. Pathology-S

Mng. flow cytometry lab. Supv. staff & activities; design, execute & coord. research protocols; provide tech. assistance; determine equip. & supply purchases; assist w/grant proposals writing & co-authoring manuscripts.

Req.: MS in biolog. or phys. sci. or equiv. Min. 5 yrs. related lab exp. strongly pref. Letter & resume to Judi Baker.

RESEARCH SUPPORT SPECIALIST I (PT4111, PT4112) Vet. Pathology-S

Provide investigative assistance & technol. support to flow cytometry labs. Plan/execute experiments, supv. staff, data analysis, etc.

Req.: BS in bio. or phys. sci. MS pref. 2-3 yrs. related lab exp. req.; knowl. of techniques related to flow cytometry & tissue culture. Exc. interper., comm. & supv. skills. Letter & resume to Judi Baker.

COMPUTER STAFF SPECIALIST (PT4605) Coop. Extension-S

Provide leadership in continuing development of an educat'l. program to bring about effective use of electronic tech.

Req.: BS in comp. sci. or equiv. coursework in computing. MS pref. Min. 3-5 yrs. exp. in teaching & in prep. educat'l. materials & developing software desired. Demonstrated ability to develop, coord. & lead an educat'l. program is essential. Strong comm., interper., org. & planning skills. Letter & resume to Judi Baker by 12/23.

EXECUTIVE STAFF ASST. (PC4604) CU Information Technologies-E

Assist Mgr. of Mgmt. & Budget & all operating units w/in CIT. Liaison w/Equal Opportunity, Human Resources & Payroll. Resp. for execution of all personnel & payroll paperwork for 250 person dept.; construct & maintain personnel & payroll database for dept. use; coord. DBL & Compensation; maintain central conf. personnel file; coord. service awards for dept.; supv. work study student/temp. clerical. Budget assistance.

Req.: BA or equiv. Min. 2 yrs. exp. CU payroll & personnel procedures. Able to work independ. & follow through w/variety of conf. assignments. Letter & resume to Esther Smith by 12/16.

RESEARCH SUPPORT SPEC. I (PT4601) Biotechnology-S

Instruct & advise students, faculty & other researchers in use of Plant Cell & Transformation Facility & conduct independent experiments. Demonstrate & develop new techniques in representing CU to corp. sponsors/agencies.

Req.: BS in bio. or biochem. pref. MS desir. 2-3 yrs. lab mgmt. exp. Exp. w/protoplast & explant culture, Agrobacterium transformation, &/or electroporation desir. Letter & resume to Judi Baker by 12/23.

RESEARCH SUPPORT SPEC. II (PT4606) Animal Science-S

Assume all lab aspects for study on semen cryopreservation in domestic chickens. Determine protocols, design experiments, collect & analyze data, complete stat. analysis for study on artificial insemination. Work w/commercial poultry producers. 1 year.

Req.: MS or equiv. Demonstrated independent research exp. as demonstrated by a completed thesis. 3 yrs. related lab exp. Letter & resume to Judi Baker by 12/23.

Clerical

REGULAR EMPLOYEES Submit employee transfer application, resume & cover letter.

Career counseling interviews available by appt. **EXTERNAL APPLICANTS** Mail employment application & resume to 160 Day Hall. Interviews conducted at Staffing Services, East Hill Plaza by appt. only. Qualified applicants are contacted after materials are reviewed.

RECEPTIONIST/FRONT OFFC. ASST., GR18 (C4704, C4706, C4707) Statler Hotel-E

Perform daily duties of front offc., incl. operating computer & phone switchboard; check guests in & out of hotel; post guest acct. charges & payments; serve as accurate info. source for all guests. Flex.; days/eves.

Req.: H.S. dip. or equiv. Some exp. nec. in acctg., switchboard & computers; min. 1 yr. front offc. exp. desir. Min. Biweekly: \$487.50

ACCOUNTS ASST., GR19 (C4702) Nuclear Studies-E

Perform payment & billing duties for large research unit.

Req.: AAS or equiv. Min. 1 yr. acctg. exp. Speed & high degree of accuracy, & attention to detail req. Lt. typing. Min. Biweekly: \$510.90

ADMIN. AIDE, GR19 (C4705) Statler Hotel-E

Perform sec., admin. & clerical functions for Purchasing Dir. & Receiving Mgr. Insure proper flow of purchase orders through dept. & CU & hotel.

Req.: AAS in acctg. or sec. sci. pref. Min. 1 yr. related exp. Previous sec. & WP exp. Med. typing. Min. Biweekly: \$510.90

HOUSEKEEPING COORD., GR20 (C4708, C4709) Statler Hotel-E

Assist Executive Housekeeper w/staff supv., daily inspections & cleaning tasks in hotel guestrooms, public spaces, admin. offcs. & back of house areas.

Req.: H.S. dip. or equiv. Min. 3 yrs. exp. in hotel housekeeping pref.; supv. exp. Min. Biweekly: \$534.30

ACCTS. COORD., GR21 (C4613) Statler Hotel-E

Oversee daily flow of income & cash receipts for Hotel & Statler Club.

Req.: AAS in bookkeeping or acctg. pref. Min. 2 yrs. in similar job incl. supv. exp. pref. w/knowl. of computers req. Med. typing. Min. Biweekly: \$557.70

ADMINISTRATIVE AIDE, GR21 (C4717) Lab or Ornithology-E

Provide admin. & sec. assistance for Exec. Dir. & Assoc. Dir. of Public Affairs/Development of Lab; assist w/arrangements for busn. & social functions.

Req.: AAS or equiv. in sec. sci. pref. Min. 2 yrs. related exp. Shorthand req. (min. speed). Exc. proofreading & grammar skills nec. Familiar w/PC offc. system. Must be able to work w/confidential materials. Knowl. or willingness to learn Wordperfect. Able to work well w/people. Exc. comm. skills req. Must have sincere interest in promoting goals of Lab. Med. typing. Min. Biweekly: \$557.70

General Service

REGULAR EMPLOYEES Submit employee transfer application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only.

EXTERNAL APPLICANTS Mail employment application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed.

STOREROOM CLERK, SO02 (G4716) Statler Hotel-E

Oversee all aspects of dry good storage; work closely w/cost acct. to determine daily food costs; issue items from storage as needed throughout day. M-F, 6-2:30.

Req.: H.S. dip. or equiv. Able to read, write & do basic math calculations. Some exp. desir. Able to lift 75 lbs. Min. hourly: \$5.75

CONFERENCE SERVICES AIDE, SO03 (G4706-G4708) Statler Hotel-E

Resp. for prompt & proper set up of all hotel function space; maintain cleanliness & routine repairs in function space. Flex.; some eves. & wknds.

Req.: H.S. dip. or equiv. Able to read & write. Valid driver's lic. req. Previous custodial exp. helpful. Min. hourly: \$6.00

MATERIAL HANDLER, SO04 (G4709, G4710) Statler Hotel-E

Insures that all goods received match those ordered; document receipt of goods; move goods throughout hotel & hotel school as req.; unload delivery trucks. M-F, 6-2:30.

Req.: H.S. dip. or equiv. Able to read, write & do basic math calculations. Min. 1 yr. related exp. Previous material handler exp. pref. Min. hourly: \$6.25

LANDSCAPE EQUIP. OPERATOR, SO06 (T4718, T4719) Grounds-E

Operate variety of motorized equip. incl. trucks, tractors, commercial & turf mowers, front end loaders & backhoes. Provide landscape construction, gen'l. excavation & lang. maint. support.

Req.: H.S. dip. or equiv. NY pesticide applicators lic. desir. 1-2 yrs. full time paid exp. as landscape equip. operator. Valid motor vehicle operators lic.; min. equiv. to NY Class 5 & Class 3 pref., Class 1 desir. Apply ASAP. Min. hourly: \$6.85

MAINTENANCE MECHANIC, SO09 (G4318, G4319) Hotel Admin.-E

Monitor electrical, plumbing, ventilation, air conditioning & refrigeration. Perform system operation in & about Statler Hall; provide tech. asst. for auditorium bldg. operations; maintain bldg. operation systems support. Shift may vary.

Req.: H.S. dip. or equiv. Prefer trade school trng. Knowl. of electrical & mech. test equip. req. Req. min. 5 yrs. exp. in bldg. construction (monitor electrical, plumbing, ventilation, A/C & refrig., carpentry & gen'l. repairs). Min. hourly: \$7.84

CASHIER, GR15 (G4701-G4705) Statler Hotel-E

Perform cashing duties in all food & beverage outlets of hotel; record sales & settle checks for food & beverage outlets. Flex., some eves. & wknds.

Req.: H.S. dip. or equiv.; able to read & write Engl. & possess good basic math skills. Exp. cashing in high volume setting req. Min. Biweekly: \$429.01

A-V TECHNICIAN, GR17 (G4711-G4714) Statler Hotel-E

Resp. for timely & proper set up of all AV equip. required in hotel. Provide tech. asst. to clients during functions.

Req.: H.S. dip. or equiv. Min. 1 yr. exp. in audio/visual field desir. Min. Biweekly: \$467.98

STOCKKEEPER, GR19 (G4602) LASSP-E

Stock shelves; check stock level; initiate stock orders, wait on customers; handle cash transactions; enter data on CRT; operate FAX machine.

Req.: H.S. dip. or equiv. Min. 1 yr. related exp. Mech., electrical &/or electronic knowl. helpful. Any related busn. (retail) exp. desir. Able to lift 70 lbs. Very accurate typing. Exc. org., interper. & comm. (phone) skills. Lt. typing. Min. Biweekly: \$510.90

FARM MANAGER, GR24 (G4718) Vet. Microbiology: Baker Inst.-S

Resp. for overseeing & mgmt. of maint. of physical plant & grounds of complex known as Baker Institute incl. planning, scheduling & upkeep.

Req.: AAS pref. Min. 5 yrs. exp. w/demonstrated ability in physical plant mgmt., supv. & planning. Familiar w/fire, health safety, OSHA codes & regulations pertaining to physical plant. Knowl. of blueprints, boilers, air handling units & lab equip. Min. Biweekly: \$639.59

Technical

REGULAR EMPLOYEES: Submit employee transfer application, resume & letter. **EXTERNAL APPLICANTS:** Mail employment application, resume, & list of lab techniques/equip., or computer software/hardware with which you are familiar. Submit letter per position, specify title, dept. & job number. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed. Backgrounds highly desired: biochem., chem., microbio., elect., physics, lic. animal health tech.

TECHNICIAN, GR19 (T4607) Genetics & Development-S

Carry out biochemical & molecular bio. experiments e.g., DNA isolation, blotting, sequencing. Perform plant tissue & microbial culture. Gen'l. lab org., computer data entry.

Req.: BS in bio., chem., or biochem. 2 yrs. exp. in bio. or biochem. lab. Apply by 12/23. Min. Biweekly: \$510.90

TECHNICIAN, GR19 (T4113) Vet. Pathology-S

Provide tech. support for activities in flow cytometry lab. incl. cell cultures, protein & nucleic acid analysis.

Req.: BS or equiv. in bio. or phys. sci. Min. 1 yr. related exp. Min. Biweekly: \$510.90

COMMUNICATION TECHNICIAN TRAINEE, GR20 (T4713) CIT NetComm-E

Provide setup/test/installation assistance & gen'l. support functions as needed.

Req.: BOCES dip. in elect. or equiv., some courses towards AAS in related field desir. 2 yrs. tech. exp. pref., good interper. & org./time mgmt. skills & good driving record req. Able to lift 50 lbs. & climb ladders. Apply by 1/5/89. Min. Biweekly: \$534.30

TECHNICIAN, GR21 (T4707) Vet. Med. Teaching Hospital-S

Perform diagnostic tests in hematology, cytology, coprology urinalysis, chemistry & immunology. Operate & maintain equip. Participate in "on-call" for off-hours & holidays. Use computer for specimen accession, data entry & info. retrieval. Tues.-Sat.

Req.: AAS in Med. Tech. req.; BS ASCP cert. pref. 3 yrs. related lab exp. Apply ASAP. Min. Biweekly: \$557.70

RESEARCH AIDE, GR22 (T4712) Ctr. for Environ. Research-S

Perform airphoto interpretation & map transfer tasks utilizing various stereoscopic instruments. Develop legends for land use/cover classifications. Field visits; report prep. & articles for publication. Participate in design of short courses & instruct'l. materials. Operate & maintain airphoto library.

Req.: BS/BA in natural, physical or environmental sci. 2-3 yrs. related exp. desir. Exp., formal trng. w/stereoscopic analysis of aerial photos; familiar w/classification concepts & mapping techniques. Good writing, drawing & speaking skills. Apply ASAP. Min. Biweekly: \$581.09

TECHNICIAN, GR22 (T4602) Plant Pathology-S

Assist in research on population genetics & population bio. of plant pathogenic fungi. Duties incl. Southern blot analysis of fungal DNA, set up & analysis of genetic crosses between fungal strains, maint. of fungal cultures, greenhouse inoculations of plants, data analysis & lab mgmt.

Req.: BS req. MS in plant path. or related fields. desir. 2 yrs. exp. in basic molecular bio. & microbio.; exp. w/growing & maintaining greenhouse plants; gen'l. familiarity w/plant pathological techniques. Apply by 12/23. Min. Biweekly: \$581.09

RESEARCH EQUIP. TECH., GR24 (T4706) Nat'l. Nanofabrication Facility-E

Maintain NNF electron-beam lithography systems in an operat'l. state & assist system users.

Req.: AAS in relevant sci./engr. area. BS or equiv. desir. 3 yrs. exp. w/electron microscopes or related equip. Knowl. of microfabrication & semiconductor processing desir. Min. Biweekly: \$639.59

CHESS OPERATOR, GR24 (T4525, T4526) Chess-E

Develop equip. Correct malfunctions of equip. & software problems associated w/instrument control. Interact w/user groups on technical & scientific problems. Implement safety codes. May assist in experimental programs. Some eves. & wknds. 2 shifts, 12 p.m.-8 a.m. & 8 a.m.-4:30 p.m.

Req.: BS or equiv. in tech. field such as engr. or physics. Good mechanical & experimental skills. Prgrmg. exp. helpful. Apply ASAP. Min. Biweekly: \$639.59

CONTROLS TECHNICIAN/EMCS OPERATOR (T4702-T4705) M&SO-E

Operate energy mgmt. & controls system on a rotating shift schedule. Process alarms & dispatch required trades. Install, troubleshoot & repair HVAC control systems.

Req.: AAS in engr. pref. Willing & able to join union w/in 30 days. Must have & maintain NYS driver's lic. Working knowl. of pneumatic, electronic & direct digital controls. Computer exp. desir. Apply by 1/13.

ELECTRON MICROSCOPY RESEARCH ASST., Boyce Thompson Inst.

Conduct studies on scanning & transmission electron microscopy of animal & plant specimens. Work independ. & be responsible for daily routine operation of electron microscopy svcs. lab.

Req.: MS or equiv. exp. in cell bio., microbio. & biochem. w/2-4 yrs. trng. & exp. in electron microscopy techniques desir. Contact Dr. Robert R. Granados, 607-254-1265. Min. Starting Salary: \$15,000.

Part Time

STAFF WRITER I (PC4716) Food Science-S

Resp. for prep. of manuscripts & various media publications for Inst. of Food Sci. (e.g., annual report, annual alumni newsletter & brochures). Also resp. for drafting scientific reports & project proposals.

Req.: BS or equiv. exp. in scientific discipline (pref. Food Sci. related). Strong bkgnd. & interest in writing. Min. 2 yrs. exp. in writing or news reporting. Strong org., interper. & comm. (oral/written) skills. Letter, resume & writing sample to Esther Smith by 12/23.

BUILDING ATTENDANT, GR16 (C4719) Access Services-CUL-E

Perform libr. security functions incl. working at exit control desk & stack control desk; perform variety of clerical & other duties as assigned; resp. for opening, closing & making regular tours of bldg. Sun.-Thurs., 8:30 p.m.-12:30 a.m.

Req.: H.S. dip. or equiv. Able to work effectively w/variety of people. Able to work under pressure. Familiar w/libraries & academic setting desir. Lt. typing. Min. full-time equiv.: \$448.50

SEARCHER, GR18 (C4703) Acquisitions/Olin Library-E

Major duties incl. receiving & processing incoming Special Foreign Currencies Program & NPAC monographs, serials & newspapers. 20 hrs./wk.

Req.: H.S. dip. or equiv. Min. 1 yr. related exp. Good org. skills. Able to work independ. Knowl. of South Asian Lang. desir. Knowl. of NOTIS/RLIN systems. Some supv. exp. helpful. Min. full-time equiv.: \$487.50

Temporary

PSYCHOTHERAPIST (PA4702) Univ. Health Svcs.-E

Provide professional expertise in working w/Univ. population as short-term therapist (individual, couple, & group); crisis intervention; campus outreach; consultation. 1 full-time or 2 part-time positions. Until 5/31/89.

Req.: A.C.S.W., M.S.W. req. PhD in clinical or counseling psychology from American Psychological Assoc. (APA) approved program; completion of an approved APA internship pref. Counseling exp. req. Min. 2-3 yrs. pref. Univ. exp. pref. Letter & resume to Cynthia Smithbower by 1/6.

COLLECTION REP. (C4720) CU Collection

Phone & written collection of past due receivables. Process & file records pertaining to collection of past due receivables.

Req.: H.S. dip. or equiv. Collection exp. pref. Exc. phone &

Graduate Bulletin



Conference travel grants: Available to registered graduate students invited to present papers or posters at professional conferences and meetings. Applications due at Fellowships and Financial Aid Office, Sage Graduate Center, by Jan. 1 for February conferences.

1988 income tax information: The Sage Graduate Newsletter will be available in January at registration in Sage Hall and will include information about income taxes and assistantships and fellowships.

Spring semester registration: Sage Hall Lounge, Jan. 16 through 20, 8:15 a.m. to 4:15 p.m. Bring student ID card and registration admission form sent by the registrar.

Course enrollment: Students who have not completed pre-course enrollment may bring completed and signed course enrollment forms to registration and complete course enrollment during registration. Forms are available in graduate field offices or in Sage Graduate Center. Course enrollment will continue through Feb. 10.

January degrees: Jan. 13 is the deadline for completing all requirements.

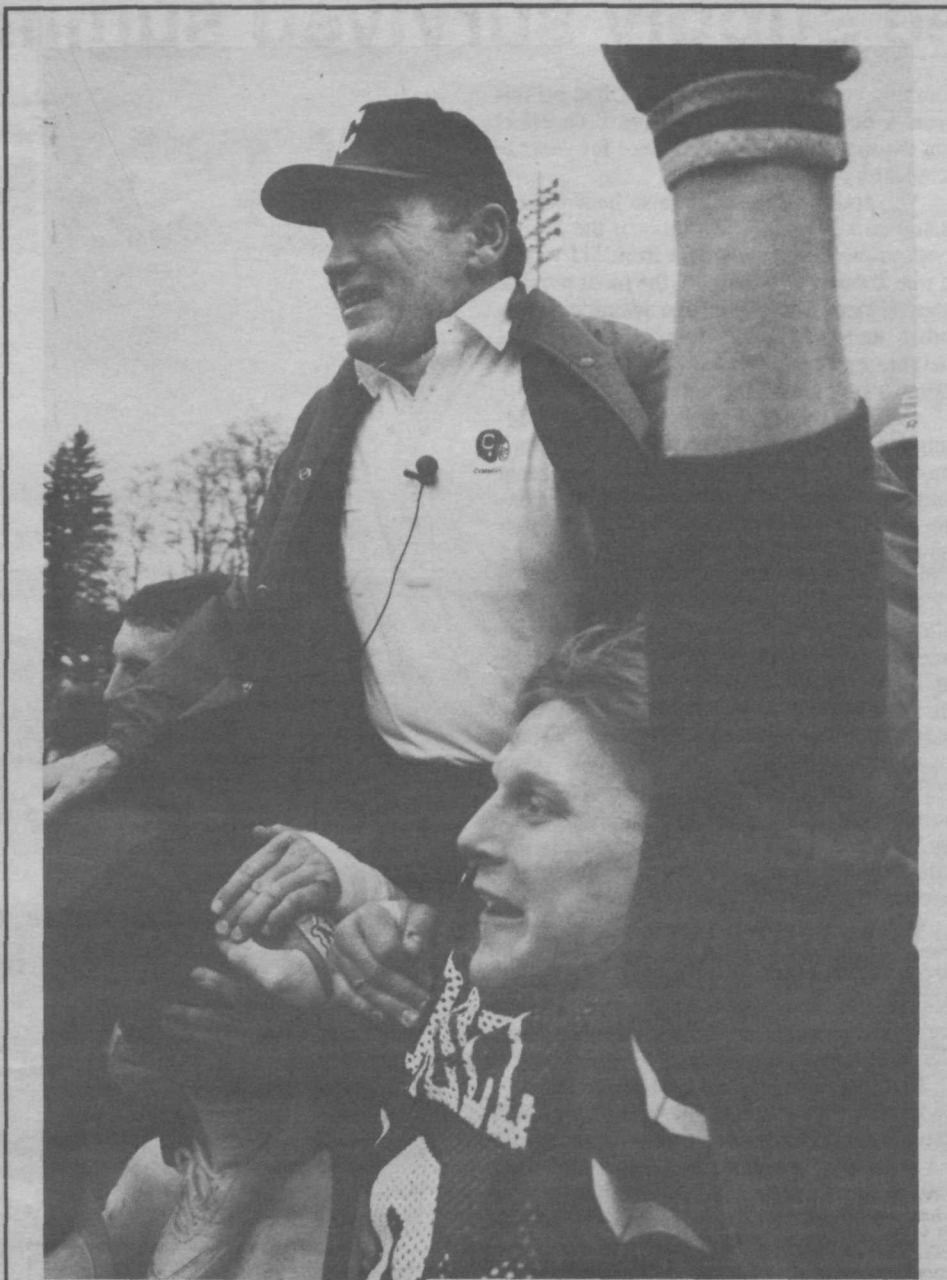
Cost of living survey: The Graduate School is conducting a cost of living survey. Forms were mailed to a random sample of 1,000 graduate students; responses are needed before Jan. 15 and are anonymous.

Barton Blotter: Automobile stolen

Some \$2,100 in cash and valuables, including a 1978 car worth \$800, were reported stolen in nine thefts on campus, according to the morning reports of the Department of Public Safety for Dec. 5 through 11.

A graduate student was charged with possession of the stolen car and also with possession of stolen license plates. He was turned over to Ithaca City Police, according to Public Safety Lieutenant Randall H. Hausner.

Other thefts included \$428 in cash taken from a desk in Phillips Hall, a computer and printer taken from Willard Straight Hall, and a coat and class ring valued at \$597 taken from 6 South Ave.



Tim McKinney

NEW VICTORY FOR BAUGHAN — Head football coach Maxie Baughan, seen carried aloft by his players after the Cornell team defeated Pennsylvania on Nov. 19 to tie Penn for the Ivy League Championship, has added another laurel to his successes as a player and coach. He was inducted into the College Football Hall of Fame on Dec. 6. Baughan was a center and linebacker at Georgia Tech from 1956 to 1959 and was elected an All-American at center during his senior year. He played 13 years as a linebacker in the National Football League, was named an All-Pro four times and played in nine Pro-Bowl games, tying a record for the most appearances for a linebacker. He coached in the pros for nine years before coming to Cornell in 1983.

New Statler Hotel opening moved to February or March

The opening of the first of the new Statler Hotel's guest rooms and dining facilities has been moved from mid-January to late February or early March because of construction delays, hotel officials announced yesterday.

City of Ithaca inspectors are scheduled to go through the hotel on Jan. 19. If the inspection is successful, a temporary certificate of occupancy will be issued so that part of the hotel can be opened while construction continues.

The grand opening of the nine-story, 150-room hotel is scheduled for April 13. The hotel is operated principally for university visitors and to give the students actual experience in hotel jobs ranging from working in the kitchen to the front desk, the bar and dining rooms.

—Albert E. Kaff

Former Statler manager to direct historic hotel

Howard M. Kaler, the last general manager of the former Statler Inn, will become general manager of Lincklaen House, a 153-year-old hotel in Cazenovia, on Jan. 2.

A 1978 graduate of the School of Hotel Administration, Kaler managed the 50-room Statler Inn from 1985 until 1986, when it was razed to make way for the Statler Hotel that now is nearing completion on the main campus.

Kaler was director of operations for the Statler Inn for one year before becoming general manager and also was a lecturer on the Hotel School faculty. During the past two years while the new 150-room hotel was being built, Kaler served on the Hotel School's building committee helping oversee design of the new hotel and planning its organization and operation. His resignation from Cornell is effective on Dec. 23.

Built in 1835 near Oneida Lake in upstate New York, Lincklaen House was patronized by a number of prominent persons, including President and Mrs. Grover Cleveland and financier John D. Rockefeller. The hotel is listed on the National Register of Historic Places.

Cats *continued from page 1*

sis of the need to preserve the institution's credibility in the face of the possibly ambiguous wording of the Medical College's original letter," Siskind said.

Asserting that Okamoto "first raised the possibility of not accepting this grant" with Medical College officials in July 1988, Siskind said in the letter to the NIDA chief that Okamoto understood that declining the NIDA grant was the only option available to the institution to preserve its credibility. "It was the sincere opinion of all members of the administration at Cornell who were involved in this matter that Dr. Okamoto acted freely without any coercion," Siskind's letter said.

"Cornell University strongly defends the right of its faculty members to conduct research in areas they deem of interest," Rhodes said in a letter to the editor published in the Dec. 9 issue of Science. Rhodes was responding to a Nov. 18 news article, "Cat Study Halted Amid Protests," in Science, which is the journal of the American Association for the Advancement of Science (AAAS).

"There should be no misunderstandings about either the university's commitment to academic freedom or to the support of its faculty members and researchers engaged in animal research," the university president wrote. "Cornell will continue to defend faculty members from intimidation as we have done in the past."

Rhodes said Okamoto discussed the issue of institutional credibility with Medical College administrators before turning down the NIDA grant.

Noting the offer of replacement funding, Rhodes said Shires "made it clear to Dr. Okamoto that it is her decision as to whether she wishes to resume research on chronic barbiturate addiction using cats at this time. As recently as yesterday (Nov. 29) she indicated to Medical College officials that she does not wish to do so."

The Cornell president also told Science

readers that Cornell "understands and recognizes the ethical issues involved in animal research" but that, in some cases, animal research is the only way "to obtain the information needed to fight disease and alleviate human pain."

He said, "The university will continue to defend the rights of its faculty to use animals in research when work of scientific merit and medical importance cannot be achieved through other means."

Rhodes' letter to the editor of Science journal

Colin Norman's article "Cat Study Halted Amid Protests" (News & Comment, 18 Nov., p. 1001) prompts this letter.

Cornell University strongly defends the right of its faculty members to conduct research in areas they deem of interest. The university regrets any implication that it has acted or will act otherwise. Established university policies and procedures ensure that Cornell faculty enjoy academic freedom. Cornell's policies also ensure that research protocols comply with all relevant state and federal regulations governing the use of human subjects and the humane use of animals in research. There should be no misunderstandings about either the university's commitment to academic freedom or to the support of its faculty members and researchers engaged in animal research. Cornell will continue to defend faculty members from intimidation as we have done in the past.

Cornell understands and recognizes the ethical issues involved in animal research. Its policy is to use as few animals as possible, to use alternative methods to live animals wherever possible, and to keep animals as comfortable as possible, minimizing any pain or distress. I appreciate that some individuals regret any use of animals in research. In some cases, however, it is only by using animals that society is able to ob-

Siskind's letter told the NIDA that the Medical College "accepts the overriding principle that research employing animals is essential for progress in biomedical science." He referred NIDA to an October 1988 Medical College statement to those concerned with animal welfare. That statement cites important medical advances that required experimental animal and notes, "It is the policy of Cornell University Medical College to use as few animals as possible, to

tain the information needed to fight disease and alleviate human pain. The university will continue to defend the rights of its faculty to use animals in research when work of scientific merit and medical importance cannot be achieved through other means.

During the past year and one-half, the dean of the Medical College, G. Tom Shires, and his predecessor, Thomas H. Meikle, each assured Michiko Okamoto that she was free to conduct her research consistent with university policies. The position of the Medical College as stated in August 1987 by Associate Dean Gregory Siskind was made in the belief that Okamoto had indicated that her barbiturate addiction research requiring the use of cat models essentially had been completed and that the future research done in her laboratory would require the use of new models, methods, and experimental systems that would not involve cats. It was only after the statement from Gregory Siskind was released that Okamoto realized the position expressed by the Medical College was more broad than she had intended. She believed that the research involving the cat model was not entirely complete but that a particular phase of the research involving many cats had been completed. The subsequent submission by Okamoto and by the Medical College of a

use alternate methods to live animals whenever possible, and to keep animals as comfortable as possible, minimizing any pain or distress."

In the same statement, the Medical College said Okamoto's research "has had an important impact on the understanding of the effects of depressant drugs. In the future, countless patients who are prescribed drugs for sedation and pain control will benefit from this research."

proposal to the National Institute on Drug Abuse (NIDA) for a transition grant involving barbiturate addiction research using cats and then rats reflected Okamoto's understanding that her research on cats could continue. NIDA denied funding for the portion of the grant involving rats. After discussion with the Medical College, Okamoto withdrew her proposal for the partial NIDA grant funding. At the same time Dean Shires agreed to fund her research with Cornell's resources. In doing so, Dean Shires has made it clear to Okamoto that it is her decision as to whether she wishes to resume research on chronic barbiturate addiction using cats at this time. As recently as 29 November she indicated to Medical College officials that she does not wish to do so.

Consistent with Cornell's policies on academic freedom, Okamoto continues to be free to pursue her research within normal university guidelines with university funding. In the past, the university has rigorously defended the rights of its faculty to conduct research consistent with the protections of academic freedom. It will continue to do so in the future.

Frank H.T. Rhodes, President
Cornell University
Ithaca, N.Y.

Christmas tree supply survived summer's drought

Although this year's drought wiped out some new plantings of Christmas trees, it had little impact on the more than 34 million trees that have been harvested for the holiday season, according to a Christmas tree industry expert.

Millions of Americans looking for Christmas trees to celebrate the holiday season will find the choice and variety of trees greater than ever this year, said David W. Taber, a forest specialist in the College of Agriculture and Life Sciences and a senior Cornell Cooperative Extension associate.

Unlike annual agricultural crops that must be harvested at the end of the growing season in a given year, Christmas trees can be left to grow continually, Taber said.

With millions upon millions of well-established trees waiting to be harvested in

coming years, the drought that killed off this year's new plantings will have little effect on the supply of Christmas trees for years to come, he pointed out.

"Overall, prices should also be about the same as last year," he said. In the Northeast, prices range anywhere from \$15 to \$50 a tree about 5 to 6 feet tall, the most popular size. Prices vary from one location to another and also depend on quality, type, height, services provided by sellers, and the number of days till the holiday.

Christmas trees range from 10-inch seedlings to 25-footers, Taber said. Trees commonly grown and available in the Northeast and other states as far as Michigan, Wisconsin and Minnesota are Douglas fir, Scotch pine, balsam fir, white pine, red pine and Colorado blue spruce.

In the South, Virginia pine and several other types of pines are grown as Christmas trees in areas from Virginia to as far south as Florida, Louisiana and Texas. Douglas fir is the dominant species grown in Washington and Oregon.

With sales approaching \$1 billion annually, the Christmas tree industry is an important segment of the agricultural industry," Taber said. The figure represents the sale of trees as well as decorative branches, wreaths, ropes and other accessories.

Oregon leads the nation in Christmas tree production, followed by Michigan, Wisconsin, California, North Carolina, Washington, Pennsylvania, Virginia, Maine and New York, according to the National Christmas Tree Association.

New York, which ranks 10th in the nation and third in the Northeast in Christmas tree production, is expected to market some 1.3 million trees valued at approximately \$50 million this year, Taber predicted.

"Annual consumer demand for Christmas trees in New York is about 2 to 3 million trees; thus, the state's Christmas tree industry has room to grow," Taber pointed out. "Over the years, New York has imported Christmas trees grown in neighboring states, Oregon, Washington and Canadian provinces, including Nova Scotia and New Brunswick."

Until four decades ago, Christmas trees came mostly from wild forests, he explained. Today, most trees are grown in well-managed plantations. Growers use state-of-the-art agricultural production techniques involving site preparation, fertilization, disease and insect control, shearing and pruning, among other things, to meet consumer demand for color, symmetry, freshness, size and shape.

Based on industry estimates, Taber said that approximately 75 million new seedlings are planted annually nationwide and that up to 90 millions trees are expected to be planted next year.

Plenty of water keeps cut trees fresh for weeks

Freshly cut Christmas trees can be kept in good condition at home for two to four weeks or longer, if the foliage is kept turgid with water, according to forest specialist David W. Taber. He offers these tips:

- Buy a tree that has been cut most recently and hold it in a relatively cool place while protecting against wind and desiccation.

- When ready to bring the tree into the house, cut off the bottom of the stem as you do with cut flowers for arranging. Then place the tree in a stand containing water. A freshly cut tree would normally use anywhere between one quart of water to a gallon a day, depending on size and temperature of the room.

The tree evaporates its moisture through the foliage, continuously filling the room with pleasing fragrances while holding the level of relative humidity in a comfortable range, Taber said.

Christmas trees do not burst into flame by themselves if the foliage is kept turgid with water, but the trees should be kept away from sparks, flames and heat from a stove, fireplace or frayed electrical cord, including decorative lights, Taber stressed.

—Yong H. Kim



Jill Peltzman
David W. Taber, a Christmas tree expert, displays a miniature Christmas tree in a four-inch pot, which he says is right for use in offices and apartments. Despite summertime drought, the choice and variety of Christmas trees this year is great, with prices no higher than last year.

In addition to supplying Christmas trees for the holiday season, growers market their trees practically the year around, especially in spring and fall, for landscaping. Evergreen trees also are used widely for production of pulp and a variety of wood products.

In search of better and more perfect Christmas trees, growers and horticulturists are experimenting with a number of exotic species from many countries in Europe and Asia, including Japan and Korea.

—Yong H. Kim

Trustees *continued from page 1*

versity of New York was required this week by the state budget division to cut an additional \$6.2 million from this year's spending; Cornell's required cut of \$383,600 is a result of that order to SUNY. During the current fiscal year, Cornell's statutory colleges — which are part of the SUNY system — have been required to cut a total of almost \$2.5 million from an allocation of about \$105 million.

Barker said that, while debate is continuing on the precise size of the state deficit, "it appears likely" that the 1989-90 year will see further cuts in state funding.

As for the impact of the latest required cut, he reported that the deans of the four statutory units — the College of Agriculture and Life Sciences, College of Human Ecology, School of Industrial and Labor Relations and College of Veterinary Medicine — will be making recommendations next week on how to absorb the latest reduction and that a report must be filed with SUNY by Dec. 16.

In other matters:

- Rhodes announced that a committee headed by Robert Harris Jr., director of the Africana Studies and Research Center, would explore the possibility of mounting a spring symposium in connection with the 20th anniversary of the takeover of Willard Straight Hall. Such a symposium might "take a reflective look at changes in the larger society and at Cornell" since armed black students occupied the landmark campus building, Rhodes said.

- The committee approved terms of a \$2.9 million grant from the Office of Naval Research for a three-year, continuing project called "Using Computer Design and Simulation to Improve Manufacturing Productivity."

- The committee approved guidelines under which the university may accept or decline gifts.

—Sam Segal



Jill Peltzman
WINTER BREAK — Freshmen on West Campus bid good-bye to one another on Tuesday as departures for the winter holidays begin. Spring semester classes start Jan. 23. Most of the university will be closed or operating on limited hours during the week of Dec. 26. Check with individual facilities for details.