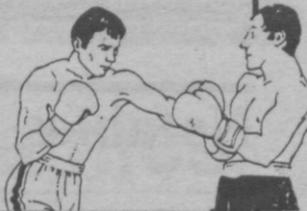


Cornell CHRONICLE

Volume 19 Number 23 February 25, 1988

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Opinion leaders back increased research spending

Leaders of government, industry and the news media widely support increased spending — including federal money — on research at U.S. universities. But few of them recognize that the federal government has sharply reduced what it spends for facilities in which that research is conducted.

These leaders say rising tuition is a major problem facing universities today, but only one in five industry and government officials — and two in five journalists — agree with Education Secretary William Bennett's view that federal student aid encourages colleges to raise tuition.

These are some of the key findings of a national survey of opinion leaders undertaken for Cornell last summer and fall by the market research firm of Yankelovich,

Skelly, and White/Clancy, Shulman Inc. of Westport, Conn.

In-depth interviews were conducted with 235 opinion leaders — federal officials, Fortune 1000 vice presidents in human relations and research and development, and print editors and reporters and broadcast news producers and commentators.

"So far as we know, this is the first in-depth study of the perceptions of key decision makers about America's research universities," said John F. Burness, vice president for university relations. "These leaders play a major role in shaping public opinion, in hiring the students we educate, and in setting and funding the nation's research agenda.

"We're encouraged by the widespread

recognition of the role and importance of research universities but, at the same time, there is considerably less understanding than we believed among groups who should be most familiar with our institutions and the forces affecting them," added Burness.

Robert Shulman, president of Yankelovich, Clancy, Shulman said the 235 interviews were not intended as a statistical sample of public opinion. "In interviewing leadership groups, the number of interviews is less important than getting to the right people," he said. "We interviewed influential people on a subject of great importance to the nation's future."

Other key findings of the survey:

- Federal officials said more student aid is critical and minority access to education

is a key issue. By contrast, less than 6 percent of corporate respondents saw minority access as important.

- Corporate executives saw better preparation of students for the "real world" as key. Only a small minority of all groups saw the need for more liberal arts as a major issue.

- Nearly two-thirds of the opinion leaders regard higher education as a fair value for the money.

- Sixty percent of those polled endorsed using tuition from wealthier students to finance student aid for those who need it.

- More saw the overall quality of higher education improving than declining, but members of the news media were split

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Government professors, from left, Ronald F. King, Milton J. Esman and Steven I. Jackson standing around the McGraw Hall water fountain where their grousing about the Democratic candidates' failure to address the issues led to their writing, "Growth with Fairness: A Program to Rebuild America's Economy."

3 professors urge development bank to rebuild economy

The United States should create a federal bank to finance the modernization of manufacturing industries and should institute new taxes on luxury consumption and securities trading as part of a \$105 billion economic recovery program, three political scientists suggest in their new book, "Growth with Fairness: A Program To Rebuild America's Economy."

Claiming that President Reagan's "fiscal irresponsibility, ideological dogmatism and mean-spirited policies have imposed serious costs upon the American economy and society," the three authors call on the federal government to spur investment and to take over all welfare and Medicaid costs, allowing the states to spend their money on education, job training and day care.

The authors — Government Professors Milton J. Esman, Steven I. Jackson and Ronald F. King — also call for an annual \$35 billion reduction in the federal budget deficit. They are hoping that their recommendations will be adopted by one or more of the Democratic presidential candidates.

"The American people are not going to accept smoke and mirrors and voodoo economics this time," Jackson said. "What's lacking in the presidential campaign, and what this program provides, is a strategy that pulls all of the pieces together — reduced trade and budget deficits, increased investment in industry and the creation of more good jobs for the U.S. workforce — for an economic recovery that reaches everyone."

Their book, which the authors describe as "a prescription for long-run economic growth coupled with fairness," is being published by Seven Locks Press of Cabin

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Professor stumbles upon new beetle

In a primeval forest near the campus, a scientist has discovered a new species of beetle in a unusual food chain: insects dining on a mushroom-eating slime mold.

Quentin D. Wheeler, associate professor of entomology in the College of Agriculture and Life Sciences, described *Agathidium aristerium* Wheeler in the December 1987 issue of *The Coleopterists Bulletin*, a journal for the study of beetles. He may have stumbled upon a rare instance of insect "farmers" carrying "seeds" of their favorite food to new locations.

The beetle was discovered Aug. 6, 1986,

when Wheeler was walking with his son Matthew and a friend, Joseph V. McHugh, through the damp, eerie gloom of Smith Woods, a preserve near Ithaca prized by naturalists because trees in its primeval forest probably have not been cut in historic times, if ever. Wheeler, whose research specialty is the evolution of insect-fungi associations, was looking for bugs with an appetite for mushrooms.

Some 100 feet ahead, a shaft of sunlight illuminated a bright yellow mass on the bark of a beech tree. The hikers moved closer, expecting to find a growth of yel-

low-pigmented fungi. Instead they saw an unusually large plasmodium — a so-called slime mold — attached to an even larger mass of oyster fungi. Peppered over the yellow slime mold were dozens of shiny, black beetles.

"Slime molds are like the thing in the movie 'The Blob,'" Wheeler said, referring to the 1950s horror flick about a gelatinous mass that invaded Earth from outer space and roamed about, devouring everything in its path. "Slime molds dwell somewhere between the plant and the animal kingdoms.

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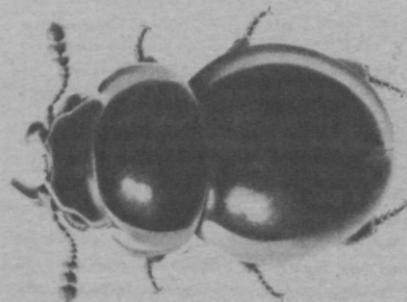


Illustration by Frances Fawcett

Agathidium aristerium, a new species of beetle discovered in Trumansburg by Quentin D. Wheeler, associate professor of entomology.

Notables

Six member of the faculty are among 302 persons elected as fellows of the American Association for the Advancement of Science during its annual meeting in Boston Feb. 11 through 15.

They are: Henry H. Hagedorn, professor of entomology; William Hansel, professor of veterinary physiology; Walter Isard, professor of economics and regional science; William B. Provine, professor of the history of science and ecological systems; Deborah Rabinowitz, professor of ecological systems; John G. Seeley, professor emeritus of floriculture science.

The AAAS was formed in 1848, and now has some 132,000 individual members and 300 affiliated scientific and engineering societies and academies of science. The AAAS publishes the weekly journal Science.

Experts to discuss marketing athletes

Experts who market professional athletes and teams will discuss career opportunities and how they promote their clients at a Sports Marketing Forum at 4 p.m. on March 3 in the Bache Auditorium of Malott Hall.

Among the speakers will be Marty Conway, director of corporate marketing for the Baltimore Orioles professional baseball team.

The forum is being arranged by students in the Marketing Association of the Johnson Graduate School of Management at Cornell. Shannon Patsey, a first-year student, said the organizers arranged the forum "to make students aware of career opportunities in sports industry marketing."

"A lot of us are interested in sports, and we are marketing students, so we decided to find out how to market the pros," added Todd Thathan, a second-year M.B.A. student. "That's the kind of job I could work at and be happy."

Other speakers will include:

- Dick Lipsey, director of marketing for Sports Equipment Tracking Service, Port Washington, N.Y., which conducts market research on sales of athletic equipment.

- Les Sumner, management supervisor of the sports marketing division of Howard Marlboro Group, a consulting firm which matches product sponsors with professional athletes and professional sports events.

- Marty Blackman, an agent and sports consultant with Blackman and Raber Ltd., a marketing firm, New York City.

Millie Leedy, vice president of the Johnson School's Student Marketing Association, directed arrangements for the forum, the first to be held at Cornell in the field of professional athletics. Anne Underwood is the newly-elected president of the association.

Luce Foundation to underwrite expansion of Asian program

Cornell's Southeast Asia Program will expand its Vietnamese studies, develop textbooks in a major Philippine language and award more fellowships as the result of a \$613,000 grant from the Henry Luce Foundation.

The four-year grant is part of an \$8 million allocation from the foundation to eight American universities with existing programs in Southeast Asian studies. Additional funds will be awarded later this year.

"This grant offers an unparalleled opportunity to build on Cornell's past 35 years of support for Southeast Asian studies," said Benedict R. Anderson, professor of Asian studies and director of the Southeast Asia Program.

The Luce Foundation's grant will enable the university to hire additional staff in Vietnamese and Philippine studies. Elementary and intermediate textbooks on Tagalog, the base of the official language of the Philippines, will be written and printed under the direction of John U. Wolff, a professor of modern languages and linguistics whose texts and dictionaries on Indonesian and Cebuano are used worldwide.

The grant also will fund fellowships for Southeast Asian graduate students and research fellowships for junior faculty at small liberal arts colleges who have no access to special library collections.

In addition, the Luce grant will make possible the indexing and cataloging of the Surakarta Manuscript Collection, comprising more than 700,000 manuscript pages of rare Javanese texts which were microfilmed in Indonesia by Nancy Florida, then a Southeast Asia program graduate student, under the direction of David K. Wyatt, a history professor, for the John M. Echols Collection in Olin Library. The Echols depository is considered to be the most extensive collection of Southeast Asian books and documents in the world.

The award was announced in a letter from Henry Luce III, the foundation's president, to President Frank H.T. Rhodes. The late Henry R. Luce, co-founder and editor-in-chief of Time Inc., established the foundation just over 50 years ago as a tribute to his parents, who were missionaries and educators in China.

Albert E. Kaff

Obituary

Melvin B. Hoffman

Melvin B. (Pete) Hoffman, a professor emeritus of pomology, died Feb. 21 at his home in Ithaca at the age of 84.

A memorial service will be held March 12 at 11 a.m. at the First Presbyterian Church, 315 North Cayuga St., Ithaca.

In lieu of flowers, memorial contributions may be made to the Melvin B. and Helen K. Hoffman Cornell Tradition Fund, 242 Roberts Hall, or the Enabling Fund, First Presbyterian Church.

Hoffman was born in Blythewood, S.C. He graduated from Clemson College in 1923, and earned his M.S. degree from Michigan State University in 1926. In 1934, just prior to receiving his Ph.D. from Cornell, he was appointed an extension instructor here. He was made professor and associate head of the Department of Pomology in 1944 and department head in 1960.

His research on photosynthesis in apple leaves led to the development of improved fungicides. The pioneering studies on soils suitable for fruit production with which he was closely associated resulted in the orchard location service becoming an extension activity. Work on soil management and mineral nutrition of fruit plants paved the way for the foliar analyses as a supplement to the soil analyses. The research on chemical thinning of apples in which he has made outstanding contributions has been widely applied throughout all apple growing regions in the world.

Hoffman was elected a Fellow of the American Society of Horticultural Science in 1968. He was a member of the American Association for the Advancement of Science, the American Institute of Biological Science, Sigma Xi and Phi Kappa Phi.

Survivors are his wife, Helen, daughter, Mary Louise Kent, son, Robert B. Hoffman, two grandchildren, two sisters, Mrs. Wilbur G. Woods, Blythewood, S.C., and Mrs. Ames Cooper, Camden, S.C., and a brother, James Hoffman, Charleston, S.C.

Barton Blotter: Video camera stolen

A color video camera worth \$1,154 was among more than \$3,000 in cash and valuables stolen in 13 thefts reported on campus, according to the Feb. 15 through 21 morning reports of the Department of Public Safety.

Also reported stolen was \$188 from a purse at the bus garage; an overcoat, scarf and gloves worth \$385 taken from Malott Hall; a \$263 external computer disk drive taken from Upson Hall; and \$25.25 in quarters pried out of a video game coin box at Noyes Center.

Computerized copies of the most current daily report may be called up on CUINFO under the title SAFETY. CUINFO terminals are situated in the main lobbies of Day Hall, Gannett Clinic, and the Olin, Mann and ILR libraries.



Charles R. Smith, senior extension associate, Laboratory of Ornithology, practices his bird-watching skills in a non-credit field ornithology course. It will be given again March 16 through May 14. Information on fees and enrollment is available by calling 254-BIRD.

Survey continued from page 1

about evenly on the question. However, all groups believe that too many students are graduating without mastering the basic skills of thinking, writing and communicating.

- University research was widely regarded as very good or excellent and as helping the United States gain a competitive edge in the world economy.

- A majority of the media expressed concern about undue corporate influence over university research. Corporate executives said the ability to control the direction of research is a principal advantage to conducting research at universities.

- No more than 15 percent of those surveyed believe undergraduates benefit from university research. They saw major beneficiaries as graduate students; corporations, which apply scientific advances to new products and hire trained researchers; and the public, which buys the products and lives healthier lives.

- Across all groups, and particularly among federal government officials (57 percent) and R&D executives (59 percent), majorities believe the amount being spent on university research is too little. Fewer than three in 10 knew that federal spending for research facilities is only 5 percent in real dollars of what it was in 1963.

Irv Chapman

Briefs

■ **Food computes:** John Alexander, president and founder of The CBORD Group, an Ithaca-based food service management firm, will discuss computerization in food and nutrition services at 4 p.m. on March 3 in Martha Van Rensselaer Auditorium. Alexander, who earned his B.S. degree in 1974 and his M.B.A. degree in 1975, both at Cornell, worked for Cornell Dining Services and then in New York City before returning to Ithaca in 1979 to start his firm. His talk will be the fourth annual Dorothy Proud Lecture in Nutritional Sciences, supported by a gift from Dorothy M. Proud, professor emerita of nutritional sciences and a member of the Cornell faculty from 1942 to 1969.

■ **Film classics:** Cornell Cinema will present a series of art films on local cable Channel 13 at 9:30 p.m. Wednesday nights starting March 2 and continuing through April 13. The first two nights will feature experimental super-8mm films transferred to video tape. The other five sessions will feature classic films by such directors as Federico Fellini and Alfred Hitchcock. They will be introduced with critical commentary by Professor Jerry W. Carlson of City University of New York and followed by discussions with guests.

■ **Tax help:** Income-tax-help workshops on federal and state returns have been scheduled for foreign students and foreign academic staff in the third-floor auditorium of Anabel Taylor Hall. The sessions will be held on March 3 from 1 to 2:45 p.m. for students and from 3 to 4:45 p.m. for staff, and on April 6 from 8 to 9:45 a.m. for students and from 10 to 11:45 a.m. for staff. Tax representatives will not complete forms for individuals, but will lead those in attendance through the standard forms and will answer questions related to foreign student and staff taxes.

■ **Temporary site:** Microcomputers and office systems are being demonstrated in Room 124 of the Computer Resource Center on the Ag Quad through March 3 while the Demonstration Room of MOS at 110 Maple Ave. is being renovated. MOS sales consultants are available at the center weekdays from 9:30 a.m. to 4 p.m. All orders must still be placed at the MOS facility at 110 Maple Ave.

■ **Parking garage rules:** Cars still in the university's parking garage off Campus Road between 2 and 6 a.m. must be in the left-hand (west bay) of the ground level in order to facilitate year-round daily cleaning of the garage and snow removal when necessary. Cars parked in other locations during this four-hour period will be subject to fines and/or towing.

■ **Blood pressure clinic:** The Tompkins County Health Department will conduct a blood pressure clinic at the Judd Falls Road shop from 8:30 to 10 a.m. on March 1.

■ **Volunteers sought for nutrition study:** Healthy women between the ages of 40 and 75, non-smokers, may wish to participate in a study to be conducted by the Metabolic Unit of the Department of Nutrition. The study will examine the effects of calcium supplements on vitamin absorption, and will go from March 21 to June 5. Participants will be provided with free meals, calcium supplements and \$10 per day. For more information, call 255-2002.

■ **Breakfast with Rhodes:** Students may sign up for breakfast with President Frank H.T. Rhodes by calling his office at 255-5201. The breakfasts are held from 7:30 to 8:30 a.m. in the Elmhirst Room of Willard Straight Hall. Reservations are made on a first-come, first-served basis. Reminder cards will be mailed a few days before each scheduled breakfast.

■ **Meals with Morley:** Employees may schedule a breakfast or lunch with Senior Vice President James E. Morley by calling the Office of Human Resources at 255-3621. The breakfasts will be in the Elmhirst Room of Willard Straight Hall between 7:30 and 8:30 a.m. on April 20 and June 23. The lunches will be from noon to 1 p.m. in a private dining room at Robert Purcell Union on March 14 and May 16.

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.

New program advances research in ceramics

Discovering why some jet fuels corrode the insides of engines, developing a way to form a better ceramic ball bearing and creating an improved supersmooth ceramic support for computer chips are a few of the practical applications arising from Cornell's new Ceramics Program.

First announced in 1986, it is now under way with a core group of five faculty -- two of whom were added recently -- working to tackle some of the toughest problems in ceramics research.

Their studies range from new ceramic forms such as whiskers and thin films to the critical area of understanding defects in ceramic materials.

Although the research is aimed at improving basic understanding of these materials, it already has yielded developments of interest to its industrial sponsors, International Business Machines Corp. and Corning Glass Works.

Ceramics -- defined as materials that are neither metals nor polymers -- occur in a variety of structures. Ceramics such as metal oxides, carbides, nitrides and borides can be glasses, crystallized glasses, large crystals, conglomerations of small crystals or combinations of these. And the same atoms in a ceramic can arrange themselves in different forms, according to the temperatures, pressures or firing times used in producing them.

Despite its complexity, ceramics research could ultimately be worth billions of dollars because ceramics promise to far surpass traditional materials in hardness and resistance to heat and chemicals. Ceramics experts foresee the possibility of ceramic auto engines that deliver 100 miles per gallon and need no cooling systems. They also foresee improved optical and electronic circuits with ceramics as their base, ceramic-coated cutting tools and bearings that almost never wear out, and ceramic artificial bones that are perfect substitutes for real ones.

They foresee an especially bright future for the most publicized new ceramic -- the revolutionary high-temperature, superconducting yttrium-barium-copper-oxide material that offers no resistance to electricity at relatively high liquid-nitrogen temperatures.

The key questions in ceramics are whether scientists can learn to construct ceramics that are more resistant to cracking; to engineer smooth, strong ceramic coatings and thin films; and to precisely reproduce ceramics with the same properties time after time.

The Ceramics Program is a joint effort of the Department of Materials Science and Engineering and the National Science Foundation-sponsored Materials Science Center.

Ceramics research at Cornell is inte-

grated into a broad materials science program that also includes studies of the other classes of materials -- metals, polymers and semiconductors, according to program director Arthur Ruoff, a professor and director of the Department of Materials Science and Engineering.

"Until recently, ceramics research has concentrated on figuring out the structure and properties of the materials," said Rishi Raj, a professor of materials science and associate director of the program. "Now we're beginning to design new materials and synthesize them. The time has come for scientists to let their imaginations loose and design new things."

The Ceramics Program has forged links with researchers across campus. Chemist James Burlitch is producing synthetic versions of the ceramic minerals olivine and enstatite by producing materials called multimetal ethoxides. And chemist Frank DiSalvo is exploring new routes to superconducting ceramics by analyzing the general properties of the new yttrium-barium-copper-oxide superconducting ceramics discovered last year.

"Ceramics research has concentrated on figuring out the structure and properties of the materials. Now we're beginning to design new materials and synthesize them. The time has come for scientists to let their imaginations loose and design new things."

-- Rishi Raj

The program also is branching out beyond traditional instrumentation, by using the Theory Center's supercomputer for simulation of ceramic properties, for example.

Following are brief summaries of the program members' research:

- Raj's studies concentrate on a new technique of constructing thin films of ceramics, called chemical vapor deposition (CVD). This involves depositing molecules on a surface to form a thin ceramic coating with precisely controlled properties. Multiple-layer, thin-film, composite sandwiches could represent one way to overcome the brittleness of ceramics. Advanced gallium arsenide and other electronic materials already are being produced with CVD.

- Raj also has developed improved methods of sinter forging of ceramics, whereby

solid ceramic parts are formed by compressing and heating fine powders. The advances in Raj's lab already have led to the founding of a start-up company, Jupiter Technologies of Ithaca, to exploit the new process to make improved ceramic ball bearings.

- Rudiger Dieckmann, one of the new faculty members, is studying point defects in ceramic crystals. He uses instruments he and his colleagues have developed to understand how these flaws in ceramic crystals affect the transport of atoms and of electronic charge through the crystals. For example, he has just installed a unique device at Cornell that can study the "breathing" of ceramic crystals -- measuring the flow of oxygen in or out of a crystal to within one-millionth of a gram. He also has developed instruments to measure the electrical properties of small needles of ceramic material with specific kinds of point defects.

- Barry Carter is interested in the interfaces, or "grain boundaries" between particles of ceramic powders fused into final products in the sintering process. Ceramic powders are almost never clean and uniform but may possess impurities or chemically reacted components. Carter and his colleagues study the "phase boundaries" between different ceramics formed into a composite product.

Carter uses transmission electron microscopy and electron diffraction studies of thin films of sintered ceramics to understand the nature of such boundaries.

Working with William Hertl of Corning Glass Works, Carter already has shed light on a significant problem in the aircraft industry -- the corrosion of zirconia ceramic heat-protective coatings inside jet engines by impurities in some jet fuels. Hertl and Carter used their techniques to understand how vanadium impurities in jet fuel draw yttrium, which is used to stabilize the zirconia coating, out of the ceramic, causing it to corrode.

Hertl has spent the last year at Cornell as a visiting scientist in the Ceramics Program using the Rutherford Backscattering system, an analytical device, in materials scientist James Mayer's laboratory.

- Emmanuel Giannelis, another of the new ceramics faculty, is helping to link chemistry with the traditional engineering focus of ceramics research. New ways of chemically processing ceramics could offer



Claude Levot

Rishi Raj, associate director of the new Ceramics Program

ceramicists powerful new techniques to control ceramic properties, according to Giannelis.

Specifically, he plans to study layered silicate clays -- compounds that naturally form microscopic layers because of their sheet-like molecular architecture. Giannelis says that by changing the chemical makeup of these clays, it is possible to create ceramics that can be used as catalysts, in electronic circuitry or as strong structural components. Giannelis also plans studies of a promising new method of producing uniform ceramics called the sol-gel technique.

- David Kohlstedt and his colleagues are studying an important use of sol-gel techniques -- to lay down supersmooth coatings to form the base, or package, for computer chips. Silicon chips are attached to such bases, which also hold the metal lines that are the wires connecting the chip to other components. Smooth coatings on these supports are vital because ever-shrinking chips demand finer wires.

Kohlstedt and his colleagues are making new coating formulations by adding tiny amounts of chromium, titanium or copper to improve adhesion of the coating material. They are testing this adhesion using a "micro indenter" device developed by Cornell materials scientist Che-Yu Li.

Dennis Meredith

Theatre Arts' Dance Concert '88 to open March 3

Dance Concert '88, an evening of original choreography presenting works by students and faculty of the Department of Theatre Arts' Dance Program, will open March 3 at 8 p.m. in the Willard Straight Theatre.

Music of local composers David Borden and Eric Feinstein will be featured, as will 3/4 TIME, the creation of guest choreographer Albert Reid. Additional performances are slated for March 4 and 5 at 8 p.m. and March 6 at 2:30 p.m.

Reid, artistic director of the Albert Reid Dance Company, serves as a faculty member at New York's Bard College and the Merce Cunningham Studio. Among his credits and appearances are performances commissioned in Britain, Venezuela, Canada and the United States.

Faculty choreographers include Joyce Morgenroth, Holly Carlson Lau and June Finch; student choreographers include Romi Goldwasser, Ann Boyd and Cheryl Guelden. A seven-piece ensemble will provide live musical accompaniment. The ensemble will accompany Reid's 3/4 TIME with Josef Lammer's Die Romantiker, Valse Op. 167, and Guelden's "On The Wind" with Vivaldi's Concerto in C Major.

Tickets for Dance Concert '88 can be purchased at the Theatre Cornell Box Office in Willard Straight Hall or by telephone at 255-5165. Prices are \$5.50 for general admission and \$4.50 for students and senior citizens.



Claude Levot

Continuing his quest to provide power to Third World countries, economics Professor Jaroslav Vanek puts finishing touches on a prototype low-cost horizontal windmill he is building near the North Campus athletic fields across from his home on Triphammer Road. He has designed and fabricated other devices through the years, including a solar steam-powered water pump.

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 sub-heading of the calendar in which the item should appear.

DANCE

Cornell Folkdancers

The Cornell community and the general public and beginners are welcome to join in folkdancing. Admission is free, unless stated otherwise.

Instruction and requests, Feb. 27, 7:30-10:30 p.m., North Room, Willard Straight Hall.

Israeli Folkdancing

Folkdancing, Thursday evenings, 8:30 p.m. in the Edwards Room, Anabel Taylor Hall.

Theatre Arts

Dance Concert '88 will be held March 3, 4, 5 at 8 p.m. and March 6 matinee at 2:30 p.m., Willard Straight Theatre. Original choreography will be performed by Cornell dance faculty, students and guest artists to live and recorded music. Call the Theatre Box Office at 255-5165 for ticket and charge information.

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. Call 255-6464 for further information.

"Stories from China's Past: Han Dynasty Pictorial Tomb Reliefs and Related Objects from Sichuan People's Republic of China," more than 100 archeological treasures, including tomb reliefs, sculptural figures, an unusual bronze "money tree," rubbings and a spectacular reconstructed tomb model, on view through March 13. The exhibition offers a rare glimpse of the regional art and culture of the Han Dynasty (206 B.C. - A.D. 220).

"Jerry Pinkney: Illustrator," an exhibition of illustrations by an artist whose work includes a nine-stamp series on "Black Heritage" for the U.S. Postal Service will be on view through March 20.

Olin Library

"Books Illustrated with Mounted Photographs," on view weekdays from 8 a.m. to noon and 1-5 p.m., through April 10. From the 1850s to the 1880s, these remarkable original photographs served as illustrations in books and journals, replacing line drawings and lithographs.

FILMS

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

Thursday, 2/25

"Ahmedabad," South Asia Film Series, 5 p.m., 310 Uris Library.

"Salt of the Earth" (1953), directed by Herbert J. Biberman, with Juan Chacon, Rosaur Revueltas and Will Geer, sponsored by the Arts College Pentangle Program, 8 p.m., Uris.

Friday, 2/26

"Sammy and Rosie Get Laid" (1987), directed by Stephen Frears, with Shashi Kapoor, Claire Bloom and Frances Barber, co-sponsored by Western Societies Program, 7 p.m., Uris.*

"My Life as a Dog" (1985), directed by Lasse Hallstrom, with Anton Glanzelius and Tomas Von Bromsse, 9:45 p.m., Uris.*

"Batman" (1966), directed by Leslie Martinson, with Adam West, Burt Ward and Lee Meriwether, co-sponsored by the Ithaca Youth Bureau, midnight, Uris.*

Saturday, 2/27

"My Life as a Dog," 7 p.m., Uris.*

"No Way Out" (1987), directed by Roger Donaldson, with Kevin Costner, Gene Hackman and Sean Young, 7:15 p.m., Anabel Taylor.*

"No Way Out" (1987), 9:30 p.m., Anabel Taylor.*

"A Man in Love" (1987), directed by Diane Kurys, with Peter Coyote, Greta Scacchi and Jamie Lee Curtis, 9:30 p.m., Uris.*

"Batman," midnight, Uris.*



Black Maria Film and Video Festival, 2 p.m., Johnson Museum, 11 films and videotapes will be screened, including pieces by Abigail Child, Meredith Monk, Bruce Baillie and Taka Imura.

Sunday, 2/28

"Batman," 2 p.m., Uris.*

"Viva Zapata!" (1952), directed by Elia Kazan, with Marlon Brando and Anthony Quinn, 4:30 p.m., Uris.*

"My Life as a Dog," 8 p.m., Uris.*

Monday, 2/29

"No Way Out," 8 p.m., Uris.*

Tuesday, 3/1

"A Time to Live and a Time to Die" (1985), directed by Hou Hsiao-hsien, with T'ien Feng, Mei Fang and T'ang Ju-yun, 8 p.m., Uris.*

Wednesday, 3/2

"The Conformist" (1970), directed by Bernardo Bertolucci, with Jean-Louis Trintignant, Stefania Sandrelli and Dominique Sanda, co-sponsored by Western Societies Program, 8 p.m., Uris.*

"Wild Geese aka The Mistress (Gan)" (1953), Shiro Tyoda, East Asia Program, 4:30 p.m., Uris Auditorium.

Thursday, 3/3

"Banaras," South Asia Film Series, 5 p.m., 310 Uris Library.

"The Horse Thief" (1986), directed by Tian Zhuangzhuang, with Tshang Rigzin, Dan Jiji and Jayang Jamco, co-sponsored by the Arts

College Pentangle Program, 8 p.m., Uris. Gina Marchetti, University of Maryland, will introduce the film with a presentation on "fifth generation" Chinese filmmaking.

LECTURES

Campus Club

"Southeast Asian Ceramics and Trade in the Cultural Context," Stanley O'Connor, associate director of the Southeast Asia Program and professor of the history of art, Feb. 25, 10:15 a.m., Johnson Museum.

"Recent Trends in Experimental Cinema," Richard Herskowitz, director, Cornell Cinema and adjunct curator of film and video at the Johnson Museum, March 3, 10:15 a.m., Johnson Museum.

Classics

"The Hellenistic and Roman Background, Part I," Geoffrey E.M. de Ste. Croix, fellow of the British Academy, March 1, 4:30 p.m., 156 Goldwin Smith Hall. This is the third of the Townsend Lectures on the theme "Early Christian Attitudes Toward Women, Sex and Marriage."

Education

"Selecting Course Outcomes: Planning, Assessing and Recording," J. Robert Cooke, agricultural engineering, Feb. 29, 4:30 p.m., 260 Warren Hall. This is the third in a series of lectures entitled "Teaching in a Changing World: Dilemmas and Challenges."

Music

Adrian Thomas, from Belfast, Ireland, will lecture on contemporary Polish music, highlighting the music of H.M. Gorecki, March 2, 4 p.m., Grout Room, Lincoln Hall.

Near Eastern Studies

"A Literary Odyssey from Europe to the Holyland: How Hebrew Literature was Transplanted from Eastern Europe to Israel," David Patterson, Oxford University, March 1, 4:15 p.m., 374 Rockefeller Hall.

"Biblical Law and Ancient Near Eastern Law," Raymond Westbrook, Hebrew University and Johns Hopkins University, March 8, 4:15 p.m., 374 Rockefeller Hall.

Nutritional Sciences

"Computerization in Food and Nutrition Services," John Alexander, president and founder of The CBORD Group, March 3, 4 p.m., auditorium, Martha Van Rensselaer.

Western Societies Program

"The Construction of Ethnicity in Spain," Davydd Greenwood, Center for International Studies and Dept. of Anthropology, Cornell, Feb. 25, 4:15 p.m., 153 Uris Hall.

"Literature and Society: The Beginning of the 'Classical Age' during the time of Baroque Power," Christian Jouhaud, EHESS, CNRS, 12:15 p.m., Feb. 29, Room 201, A.D. White House.

MUSIC

Bound for Glory

Rod MacDonald, contemporary folk, from Greenwich Village, Feb. 28. Bound for Glory presents three live sets, at 8:30, 9:30 and 10:30 p.m., every Sunday at the Commons Coffeehouse, Anabel Taylor Hall. Admission is free. The show can be heard live from 8 to 11 p.m. on WVBR-FM93.

Department of Music

David Breitman, fortepiano, and Elizabeth Field, violin, will give a joint recital tonight at 8:15 p.m., Barnes Auditorium. The program will consist of Haydn's Sonata in D Major; Mozart's Sonata in B-flat Major, K. 378; Haydn's Sonata in F Major and Beethoven's Sonata in A Major, Op. 2, No. 2.

Chamber music recital, with Elliot Wachman, piano, Stephen Taylor, horn, and Richard Will, violin, Feb. 27, 8:15 p.m., Barnes Auditorium. Brahms' Scherzo in C minor, Grieg's Sonata in G Major, Op. 13, and Brahms' Trio in E-flat Major, Op. 40 will be performed.

Harpist Arthur Haas, who received top prize in the Second International Paris Harpist Competition, and violinist Sonya Monosoff, professor of music here, will give a joint recital of 17th century music on Feb. 28, 4 p.m., Barnes Auditorium.

An evening of performance and process and exploration in the nature of musical performance through the teaching of piano works, Feb. 29, 8:15 p.m., Barnes Auditorium. Beethoven's Third and Fifth Concertos, Rachmaninoff's Second Piano Concerto, the Grieg Concerto, and Beethoven's Waldstein Sonata will be included in the performances by several Cornell students.

Unions and Activities

"A Feeling of Jazz," featuring the jazz group 'Saud,' Feb. 27, 9 p.m. in the Memorial Room, Willard Straight Hall.

RELIGION

Sage Chapel

Robert L. Johnson, director of Cornell United Religious Work, will be the speaker at the Sage Chapel interfaith services Feb. 28 beginning at 11 a.m. His topic will be "The Power of Death."

Catholic

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

Daily Masses Monday through Friday, 12:20 p.m., Anabel Taylor Chapel.

Christian Science

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

Episcopal (Anglican)

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

Every Tuesday, 8 a.m., morning prayer, Anabel Taylor Chapel.

Every Wednesday, 4:30-6 p.m., open house, 214 Wait Avenue.

Every Thursday, 5 p.m., evening prayer, G3A, Anabel Taylor.

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 House, 106 West Avenue. Call 272-5810. Saturday, 9:15 a.m., Anabel Taylor Edwards Room.

Korean Church

Every Sunday, 2:30 p.m. Anabel Taylor Hall.

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 Tuesday, 7:30 p.m., Anabel Taylor Chapel.

Theravadin Buddhism

Video and discussion of Vipassana Meditation, March 2, 4:30 p.m., Commons Coffeehouse, Anabel Taylor Hall.

Zen Buddhism

Zazen meditation: Tuesdays at 7 p.m., Edwards Room, Anabel Taylor Hall. Every Thursday 5:10 p.m., Anabel Taylor Chapel. For more information or to arrange beginner's instruction, call Ian Dobson at 277-4364.

SEMINARS

Cultural Engineering
 "Kinetic Models for Anaerobic Digestion of Mass," B.K. Richards, research support specialist, and R.J Cummings, research associate, Dept. of Agricultural Engineering, Feb. 25, 4:30 p.m., 205 Riley-Robb Hall.

"Solid State Digestion of Biomass - Anaerobic Composting," W.J. Jewell, Dept. of Agricultural Engineering, March 3, 12:30 p.m., Riley-Robb Hall.

Agronomy
 "Effect of Variations in Drop Makeup on Absorption, Translocation, and Phytotoxicity of Glyphosate in Velvetleaf and Quackgrass," John Cranmer, Dept. of Agronomy, Feb. 25, 4 p.m., 135 Emerson Hall.

"Use of Geographic Information Systems in Soil and Water Management in New York State," Stephen DeGloria, Dept. of Agronomy, Feb. 8, 4 p.m., 135 Emerson Hall.

Applied Mathematics
 "Karmarkar as Dantzig-Wolfe," Michael J. Griffin, Operations Research and Industrial Engineering, Feb. 26, 4 p.m., 322 Sage Hall.

Astronomy and Space Sciences
 "The Nucleus of Comet Halley," Alan DeLore, Ball Aerospace, Feb. 25, 4:30 p.m., 105 Plant Science.

"Cooling Flows in Galaxies and Clusters," Juan Canizares, MIT, March 3, 4:30 p.m., 404 Plant Science.

Chemical Engineering
 "The Adsorption and Decomposition of Cyanamide and Ammonia on Ru(001)," W. Gary Weinberg, chemical engineering, California Inst. of Technology, March 1, 4:15 p.m., 101 Olin Hall.

Chemistry
 "Scientific Facts and Legal Fictions," Stella Jasanoff, Cornell, Feb. 25, 4:40 p.m., 101 Baker Laboratory.

"Oxalyl Thioesters: Novel Intermediates in Biological Systems," Gordon Hamilton, Penn State, Feb. 29, 4:40 p.m., 119 Baker Laboratory.

Computer Services
 "Understanding Chemical Exposure: Toxicology and Public Health," Jeanne Appling, Center for Environmental Health Resources Institute, Feb. 25, 12:20 p.m., 304 Fernald Hall.

East Asia Program
 "The Origins of Japanese Manufacturing Internationalization: Cotton Spinning Firms' Investments in China Before the Second World War," Tetsuya Kuwahara, business administration, Kyoto Sangyo University, Japan, March 1, 4:30 p.m., 374 Rockefeller Hall.

Ecosystems Science
 "The Role of Sulfate Reduction in Mitigating the Effects of Acid Precipitation in Lakes," Anne Giblin, The Ecosystems Center, Marine Biological Laboratory, Woods Hole, Mass., March 1, 4:30 p.m., Morison Room, Corson/Mudd Hall.

Environmental Toxicology
 "Understanding Chemical Exposure: Computer Aided Instruction for Non-Toxicologists," Jeanne Appling, Center for Environmental Health Resources, Feb. 26, 12:20 p.m., 304 Fernald Hall.

Forestry and Ornamental Horticulture
 "Environmental Stress and Woody Plant Disease Resistance," George Hudler, Dept. of Plant Pathology, Feb. 25, 12:15 p.m., 404 Plant Science.

"Urban Waterfront Development Strategies: The George Waterfront, Staten Island," Mimi J. Burns, MLA graduate, March 3, 12:15 p.m., 404 Plant Science.

Food Science and Technology
 "Primary Metabolism in Fungi; Fungal Enzymes and Metabolites Used in Food Processing," Ramunas Bigelis, Miles Labs., Inc., March 1, 4:30 p.m., 204 Stocking Hall.

Genetics and Development
 "Multiple Regulatory Pathways for Human Growth Shock Gene Transcription," Rick Morison, Feb. 25, 4:30 p.m., 204 Stocking Hall.



Twelve-year-old Ingemar (Anton Glanzellus) in a scene from "My Life as a Dog," showing this weekend at Uris Hall. Check the film listings for details.

rimoto, Northwestern University, Feb. 29, 4 p.m., 135 Emerson Hall.

History and Philosophy of Science and Technology
 "Structural Archaeology: A New Methodology for the History of Architecture," Robert Mark, architecture and civil engineering, Princeton University, March 2, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

International and Community Nutrition
 "Developing a Nutritional Surveillance System for New York State," Gayle Leitch Kelly, research support specialist, Division of Nutritional Sciences, Feb. 25, 12:40 p.m., NG35 Martha Van Rensselaer Hall.

Latin American Studies Program
 "Brazilian Carnival Music: Its History," Marta Carvalho, Ph.D. candidate, Cornell, Feb. 29, 12:15 p.m. (brown bag lunch), 153 Uris Hall.

Materials Science and Engineering
 "Diffusion & Segregation at the Si Crystal/Amorphous Interface or Laser Annealing Revisited," J. Poate, AT&T Bell Labs, Feb. 25, 4:30 p.m., 140 Bard Hall.

"Structure & Stability of Epitaxial Films," L. Feldman, AT&T Bell Labs, March 3, 4:30 p.m., 140 Bard Hall.

Mechanical and Aerospace Engineering
 "Quality," a Manufacturing Engineering Seminar, Irving DeTore, Feb. 25, 4:30 p.m., 282 Grumman Hall.

"Static Bifurcations for Columnar Vortices," Avi Kribus, Cornell, March 1, 1 p.m., 282 Grumman Hall.

Microbiology
 "Molecular Mechanisms in Site-Specific Recombination," Authur Landy, Section of Microbiology & Molecular Biology, Brown University, Feb. 25, 4:30 p.m., 124 Stocking Hall.

Natural Resources
 "Business Without Economists," William J. Hudson, senior vice president for research, The Anderson's, Maumee, Ohio, Feb. 25, 12:20 p.m., 304 Fernow Hall.

"Food and Natural Resources: Vision 2020," William J. Hudson, senior vice president for research, The Anderson's, Feb. 25, 4 p.m., 304 Fernow Hall.

Neurobiology and Behavior
 "Differential Afferent Control of Expression of Transmitter Phenotype," Dr. Harriet Baker, Dept. of Neurobiology and Behavior, Cornell Medical School, Feb. 25, 12:30 p.m., Morison Room, Corson/Mudd Hall.

Ornithology
 "Evolution of Aldo Leopold's Land Ethic," Carl Leopold, Boyce Thompson Institute, Feb. 29, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Pathology
 "Follicular Interactions Affecting the Estrous Cycle, Estrus Synchronization and Conception in Cattle," K.L. McMillan, visiting professor, University of Florida, Gainesville. Co-sponsored by the Dept. of Reproductive Physiology and Endocrinology, and the Bovine Research Center, March 2, 4:30 p.m., 348 Morrison Hall.

Peace Studies Program
 "Just Say 'No': Stopping the Nuclear Addiction," William Arkin, Institute for Policy Studies, Feb. 25, 12:15 p.m. (brown bag luncheon), G-08A Uris Hall.

Plant Biology
 "Consequences of Triazine Resistance in *Senecio vulgaris*," Amy Stowe, Section of Plant Biology, Feb. 26, 11:15 a.m., 404 Plant Science.

Plant Pathology
 "The Growth of *Tilletia caries* in Infected Wheat Plants," Frances Trail, Cornell, March 1, 4:30 p.m., 404 Plant Science.

Pomology
 "IPM at Cornell with Special Reference to Trees and Small Fruits," Joe Kouach, extension associate, IPM Geneva Experiment Station, Feb. 29, 11:15 a.m., 404 Plant Science.

Poultry and Avian Sciences
 "Effects of Phosphoinositide-derived Second Messengers on Steroidogenesis and Plasminogen Activator Activity in Granulosa Cells of the Hen," A.L. Johnson, Dept. of Animal Sciences, Rutgers University, Feb. 25, 4:30 p.m., 300 Rice Hall.

Remote Sensing
 "Detection of Lake Acidification by Remote Laser Fluoresensing," William D. Philpot, environmental engineering and CLEARs, March 2, 4:30 p.m., 110 Hollister Hall.

Russian Literature
 "Pasternak, Dr. Zhivago and the Revolution," Christopher Barnes, Russian Literature, St. Andrews University, Scotland, Feb. 29, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Textiles and Apparel
 "Synthetic Fiber Alternatives to Down," John Skelton, Albany International, March 1, 12:20 p.m., 317 Martha Van Rensselaer Hall.

Vegetable Crops
 "Results of Research on Asparagus Cultural Practices on Long Island and Resulting Recommendations for NYS Asparagus Production," Darlene Wilcox-Lee, Long Island Horticultural Research Lab., Riverhead, Feb. 25, 4:30 p.m., 404 Plant Science.

"Bush Fallow Agriculture in the Amazon: Can a Ph.D. Candidate Match a Native Farmer?" Charles Staver, grad student, March 3, 4:30 p.m., 404 Plant Science.

MISC

Cornell Nursery School
 Cornell Nursery School, Martha Van Rensselaer Hall, will accept applications for 1988-89 on March 1-7, 8:30 a.m.-4:30 p.m. for morning and afternoon, half-day sessions, five days a week. For information or to arrange to visit the school, call Sue West at 255-1849.

Cornell Garden Committee
 The first meeting of the Cornell Garden Committee for 1988 will be held Feb. 25, 7 p.m., in 114 Ives Hall.

Hebrew Speaking Club
 Hebrew Speaking Club meets Tuesdays, 8:15-9:30 p.m., G-34 Anabel Taylor Hall.

Hillel
 Topics in Jewish Thought and History meets Tuesdays at 8:15 p.m. in 314 Anabel Taylor Hall.

Women's discussion group meets Wednesdays at 7:30 p.m. in 314 Anabel Taylor Hall.

Intramural Badminton
 Deadline on entries is March 1 at 4 p.m. in the Intramural Office, Helen Newman Hall. Entry fee of \$2 per team, due with roster before deadline. Two to enter (doubles tournament); straight elimination tournament; co-ed: two to enter, equal number of men and women.

Palestinian Human Rights Committee (PHRC)
 Weekly meetings every Friday at 5:30 p.m. in Willard Straight Hall, Loft II. This multinational group directs attention to Palestinians and organizes social and cultural events in the aid of the Palestinian cause.

Job Opportunities

February 25, 1988
Number 7
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.

-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 the 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.

Administrative and Professional

APPLICATIONS PROGRAMMER/ANALYST (PT0715) Finance & Business Office

Assist in maintaining, developing, installing, documenting & modifying software. Coord. maint. & upgrading of PCs, hardware & software. Assist w/computer operations.

Req.: AAS w/computer-related courses or equiv. Knowl. of IBM 36, DOS, JCL, CMS, MVS, & ADABAS desir. Some exp. w/machine arch., production procedures & system utility programs. Knowl. of PC's desir. Letter & resume to Judi Deane by 3/11.

ASST. DIR. OF ADMIN. OPERATIONS (PA0704) Human Ecology Admin.

Coord. facilities planning, expansion & renovations. Resp. for facilities & equip. budgets. Personnel officer for College; review/approve personnel actions, coord. salary programs, provide info. for decision-making. Assist in budget development & monitoring & provide financial analyses. Supv. admin. support staff.

Req.: BS in busn. admin. plus relevant exp. MBA pref. 3-5 yrs. exp. in managerial setting. Exc. comm. skills req. Bkgrnd. in financial analysis nec. Exp. w/microcomputers req. & familiar w/software pkgs. e.g. Lotus 1-2-3 & Dbase III desir. Letter & resume to Cynthia Smithbower by 3/9.

APPLICATIONS PROGRAMMER/ANALYST I (PT0716) Finance & Business Office

Develop, maintain, install, document & modify software. Coord. maint. & upgrading of PC's, hardware & software. Work w/admin. systems, i.e., acctg., payroll, budget & psnl. Analyze needs/req. & develop software.

Req.: BS w/computer related courses or equiv. exp. 2 yrs. exp. w/machine arch., production procedures & system utility programs. Knowl. of DOS, JCL, CMS, MVS, ADABAS & System 36. PC exp. Letter & resume to Judi Deane by 3/11.

RESEARCH SUPPORT SPECIALIST II (PT0714) Nutrit'l. Sciences

Org. & conduct field research for development of anthropometric predictors of morbidity/mortality for preschool African children. Position based in Malawi, Africa. 2 yr. term. appt.

Req.: MS in nutrition. 3-4 yrs. field exp. (pref. in Africa). Exp. in survey design; data collection, mgmt. & analysis; exp. supv. host country field staff. Ability to acquire local lang. helpful. Letter & resume to Judi Deane by 3/11.

RESEARCH SUPPORT SPECIALIST I (PT0712) Neurobiology & Behavior

Conduct data collection, experiments, libr. research, prepare publications. Participate in field work.

Req.: BS in bio. or related field. Knowl. of entomology highly desir. Word processor & computer exp. desir. Stat. knowl. helpful. 2-3 yrs. exp. Letter & resume to Judi Deane by 3/11.

RESEARCH SUPPORT SPECIALIST I (PT0710) Natural Resources

Conduct & supv. collection of fish samples in Adirondack Mountain region. Compile & report data. Conduct lab analyses of fish scale. Use stat., math tech. & computer programs to estimate population & size & survival rates for individual age classes of fish.

Req.: BS in fisheries sci. or closely related field. Min. 1 yr. related work exp. Knowl. of fisheries & limnological sampling gear, e.g. trapnets, gill nets, electro fishing, water samplers. Radio telemetry tech. desir. Strong org., interper. & comm. skills req. Letter & resume to Judi Deane by 3/11.

APPLICATIONS PROGRAMMER I (PT0713) Animal Science

Write, test, document & maintain assemble lang. application programs for Dairy Records Processing Lab. Assist w/planning for system/application prgrmg. projects.

Req.: AAS in data processing + 2 yrs. related exp.; BS in Animal Sci./Comp. Sci. pref. Agricultural bkgnd. highly desir. Exp. in assembler lang. & data processing procedures. Letter & resume to Judi Deane by 3/11.

APPLICATIONS PROGRAMMER/ANALYST (PT0717) Controller's/Accounting

Assist in maintaining, developing, installing, documenting & modifying software. Coord. maint. & upgrading of PC's, hardware & software. Assist w/computer operations.

Req.: AAS w/computer related courses or equiv. Knowl. of IBM 36, DOS, JCL, CMS, MVS, & ADABAS desir. Some exp. w/machine arch. production procedures & system utility programs. Knowl. of PC's desir. Letter & resume to Judi Deane by 3/11.

TECHNICAL CONSULTANT III (PT0708) Registrar

Coord. evaluation & testing of micro computer based software. Coord. distribution, release control & bug reporting for micro based software. Establish & provide support to beta test sites. Consult, train & provide problem resolution. 1 yr. appt.

Req.: BS w/coursework in computing or related fields. 3-5 yrs. computer systems &/or prgrmg. exp. Strong comm., interper., org. skills. In-depth knowl. of micro/mim hardware & software systems peripherals, performance features & characteristics, software graphics, stat. & database mgmt. programs & pkgs. Considerable knowl. of word processor/computer based mgmt. systems. Letter & resume to Judi Deane by 3/11.

ACCOUNTANT III (PC0716) Statutory Finance & Business Office

The cost analyst is a key staff member working w/a finan. & reporting & acctg. team that reports to Dir. Resp. for calculation of federally negotiated indirect cost rates; project indirect cost trends & impact; review & prepare univ. & statutory college cost allocations; handle other projects as assigned.

Req.: BS in acctg. or busn. admin. or equiv. Min. 5 yrs. of significant & resp. cost acctg. exp. in higher ed., government or comparable org. Able to use IBM PC to generate spreadsheet analyses. Letter & resume to Esther Smith by 3/7.

ASSOC. FACILITIES COORD. (PA0706) Statutory Finance & Business Office

Provide assistance in overseeing physical plant construction, rehabilitation & maint. activities for 4 partially State-supported colleges: Ag. & Life Sci., Human Ecol., Vet. Medicine & School of Industrial & Labor Relations. Based in Ithaca & reporting to Stat. Facil. Coord. for these 4 colleges, provide assistance for instruct'l., research & extension facilities. Working w/faculty & administrators in 4 colleges, the larger CU & State NY communities plus w/contractors & facilities personnel. Will have opportunity to participate in full range of prof. activities for planning & completion of renovations & new facilities construction.

Req.: BS Arch., mech./arch./civil engr. &/or arch. 5 yrs. significant & responsible exp. in private construction, govt. or univ. facilities mgmt. or related endeavors. Must have exc. oral/written comm. Letter, resume, salary history & list of at least 3 references by 3/18 to Dir. of Finance, Statutory Colleges at Cornell Univ., P.O. Box D, B-22 Mann Library Bldg., Ithaca, NY 14851-0199.

EXECUTIVE DIRECTOR (PA0702) Biotechnology Program

Provide admin. support for Program consisting of 3 Univ. partnerships dedicated to advancing basic biotech. research & transfer of resulting knowl. to useful application. Responsibilities incl. budget/finance, personnel, reports/publications, mtgs./conferences. Admin. interface w/Univ., Corporate, Federal & State Offices.

Req.: BA/BS req. Several yrs. exp. in busn. & acctg. systems. Knowl. of biolog. systems desir. Proven success as administrator, pref. in academic research environ. Exp. working w/corporate & govt. scientists & administrators helpful. Letter & resume to Search Committee: Executive Dir., Biotechnology Program by 3/18.

SALES COORDINATOR (PA0701) University Press

Resp. for Cornell Univ. Press liaison w/commission sales representatives.

Req.: BA req. At least 2 yrs. exp. in publishing or bookstore exp. highly desir. Basic microcomputer capability helpful. Interest in & capability to understand & sell scholarly books. Able to work w/numbers. Letter & resume to Cynthia Smithbower by 3/4.

ASSISTANT TO SR. VICE PRESIDENT (P2411) (SEARCH REOPENED) Sr. Vice President

Provide extensive staff assistance to the Sr. Vice President and other executive staff; assist in project/operation coordination; coordinate & assist w/ organizational/institutional planning; provide leadership & coordination of program/management audits, assist in coordination of management change. Research & prepare complex materials on highly sensitive topics, represent the Sr. Vice Pres. at meetings. Act as liaison between Sr. Vice President's Office and the staff of the Senior Vice President and external organizations. Initiate issue identification, analysis, & recommendations for problem resolution.

Req.: Min. 10 years line & staff exp. in academic or business environment w/ documented results in managing organizational change, long range planning, problem solving and use of personal computers. Excellent leadership and communications skills required. Bachelor's in appropriate field required, MBA preferred. Cover letter & resume to Bettie Thompson by 3/11.

Clerical

REGULAR EMPLOYEES

Submit employee transfer application, resume & cover. 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.

OFFICE ASST., GR17 (C0715) National Nanofabrication Facility

Serve as facility recep.; provide admin./sec. support to Admin. Mgr., tech. staff, users of facility & visiting scientists.

Req.: H.S. dip. or equiv. Sec. school desir. Exp. in reception or related areas. Able to work comfortably in a busy office & work well w/ diverse groups. Good comm. skills. Computer exp. a plus. Med. typing. Min. Biweekly: \$421.81

OFFICE ASST., GR17 (C0515) Hotel Administration

Provide recep./sec. support for food service faculty. Screen & assist students; answer phones; tech. typing on word processor; maintain & coord. teaching asst. employment process.

Req.: H.S. dip. or equiv. 1-2 yrs. sec. exp. pref. Willingness to learn WP helpful. Med. typing. Min. Biweekly: \$421.81

SECRETARY, GR18 (C0713) Pharmacology

Provide support to Admin. Mgr. Type complex tech. manuscripts, abstracts, corresp., etc. Operate word processor, minicomputer; answer & screen calls; arrange mtgs. & travel; handle mail; maintain files; perform libr. reference tasks.

Req.: H.S. dip. or equiv. Busn. or sec. school desir. Min. 1 yr. exp. Exc. interper. & comm. skills. Knowl. of medical term., WP & minicomputers desir. Heavy typing. Min. Biweekly: \$443.13

ACCTS. ASST., GR18 (C0712) Nutrit'l. Sciences

Assist w/bookkeeping/accts. monitoring req. for mgmt. of an internat'l. nutrition/food policy research program. Prepare vouchers & requisitions; review expense reimbursement reports, assist w/prep. of grant proposal budgets & progress/finan. reports for donor agencies.

Req.: AAS in acctg./busn. admin. Exp. w/use of adding machine & spreadsheet prep. pref. w/Lotus 123. Familiar w/CU acctg. procedures w/interes in internat'l. program mgmt. pref. Med. typing. Min. Biweekly: \$443.13

NIGHT SUPV., GR18 (C0516) Hotel Administration

Resp. for evening & weekend libr. operation; daily activities incl. circulation & reserve operations; supv. of collection maint. Provide current awareness svcs.; maintain corporate info. files & menu collection. Sun.-Thurs., 30 hrs., flexible.

Req.: H.S. dip. or equiv. 1-2 yrs. exp. AAS or equiv. pref. Strong interper./comm. skills. Previous libr. &/or supv. exp. & able to work independ. nec. Knowl. of computers req. Min. Biweekly: \$444.37

ACCTS. ASST., GR19 (C0705) NYSSILR-Extension & Public Service

Process all documents & forms relating to accts. payable & employee travel reimbursements; maintain accts. payable & travel files; verify & process interdepartmental charges; deposit funds w/Finance & Busn. Office; assist w/other clerical activities.

Req.: AAS in busn. or equiv. Min. 3 yrs. acctg. exp. Exc. org., interper. & comm. (written/oral) skills. Exp. w/statutory acctg. procedures pref. Min. Biweekly: \$469.53

PERSONNEL ASST., GR19 (C0708) Coop. Extension Admin.

Dept. sec. for 3 personnel professionals. Provide gen'l. off. assistance & type a variety of corresp., reports & memoranda; maintain complex personnel database & generate special reports.

Req.: H.S. dip. w/2 yrs. sec. exp. in a complex, active environ. Req. Accurate typing (60+ wpm). Skilled in computer/printer use & able to use Wordperfect, Lotus 123, dBase III & Quick-report. Heavy typing. Min. Biweekly: \$469.53

SECRETARY, GR19 (C0519) Agricultural Engng.

Provide sec./admin. support for 5-6 professionals & staff. Corresp., classwork, reports. Travel arrangements & reimbursements; data entry.

Req.: H.S. dip. w/3-5 yrs. sec. exp. AAS pref. Familiar w/Mac computer, IBM PC exp. helpful. Coop. Ext. bkgnd. desir. Strong off. mgmt. skills req. Heavy typing. Min. Biweekly: \$469.53

ACCTS. ASST., GR20 (C0710) Animal Science

Act as resource person & handle all clerical aspects of non-academic Personnel Admin. in large academic dept.; process all non-academic appt. form, incl. students. Prepare & process bi-weekly payroll vouchers, receive & distribute payroll checks; process & pay all vouchers for P.O.'s using non-state funds & other payment vouchers as nec.

Req.: AAS or equiv. Min. 1 yr. personnel or acctg. exp. in Statutory Colleges. Min. Biweekly: \$495.35

SECRETARY, GR20 (C0711) LASSP

Provide sec. support for 4-5 faculty members & their research groups. Assist professors in grant proposal prep.; type & prepare articles for publication; maintain calendars; make travel arrangements; considerable interaction with other CU depts.

Req.: AAS sec. sci. degree or equiv. Good tech. typing & comm. skills essential. Knowl. of CU & Ithaca communities helpful. Strong org. skills. Able to work independ. Exp. w/Unix-based text editors helpful. Heavy typing. Min. Biweekly: \$496.80

ADMINISTRATIVE AIDE, GR21 (C0714) National Nanofabrication Facility

Provide admin./finan. support to facility Dir. & Deputy Dir. Assist in mgmt. of facility's industrial affiliates program & related outreach activities. Handle special project as assigned.

Req.: AAS in busn. admin. or sec. sci. or equiv. Exc. sec. & writing skills. CU acctg. highly desir. Tech. writing bkgnd. helpful. Heavy typing. Min. Biweekly: \$527.69

RESEARCH AIDE, GR22 (C0706) Hotel Administration

Provide computer/admin./research support to professors in developing & maintaining data bases & in prep. & dissemination of research reports. Until 3/17/89.

Req.: AAS or equiv. Min. 2 yrs. sec. exp. Knowl. of Apple Mac. & IBM PC. Able to use graphics software on I or both systems. Exc. comm. skills (both oral/written). Able to set priorities & work in a complex, active environ. Good interper. skills. Med. typing. Min. Biweekly: \$556.14

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.

CUSTODIAN, SO16 (G0703, G0705) Residence Life-N. Campus-Endowed

Provide gen'l. custodial care of bldgs. & grounds in immediate vicinity of assigned area. Mon.-Thur., 7:30 a.m.-4 p.m., Fri. 7:30 a.m.-3 p.m.

Req.: H.S. dip. or equiv. Able to operate a variety of heavy power equip., lift 50 lbs. & climb an 8 ft. ladder. Basic reading & writing skills. Daily contact with students. Min. hourly: \$5.49

CUSTODIAN, SO16 (G0701) Buildings Care-Endowed

Provide gen'l. custodial care of bldgs. & grounds in immediate vicinity of assigned area. Mon.-Thur., 6 a.m.-2:30 p.m.; Fri. 6 a.m.-1:30 p.m.

Req.: H.S. dip. or equiv. Able to operate a variety of heavy power equip., lift 50 lbs. & climb an 8 ft. ladder. Basic reading & writing skills. Min. hourly: \$5.49

VENDING PURVEYOR, SO20 (G0702) Dining-Endowed

Stock vending products; maintain equip.; transport income from all types of vending & merchandising equip. Mon.-Fri., shift subject to change.

Req.: H.S. dip. or equiv. Knowl. of vending methods & inventories helpful. Able to work w/limited supv. Valid NYS driver's lic. Able to lift 75 lbs. Good interper./comm. skills. Min. hourly: \$6.69

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 (T0711) Animal Science

Provide tech. support for dairy cattle nutrition experiment. Summarize data, weigh feeds, & experimental chemicals, monitor animal performance & health, modify-feed as nec.

Req.: BS or equiv. in animal sci. or related field. 1 yr. exp. Some supv. exp. desir. Apply by 3/11. Min. Biweekly: \$469.53

PHOTO ASST., GR20 (T0709) Media Services

Process film & produce black & white photographic prints. Resp. for daily operation & maint. of high production photographic darkroom.

Req.: Certificate or degree in photography desir. Min. 2 yrs. print production working exp. in commercial darkroom. Apply by 3/11. Min. Biweekly: \$495.35

TECHNICIAN, GR21 (T0701) Avian & Aquatic Animal Medicine

Prepare monoclonal antibodies to viral antigens, immunize mice for monoclonal antibody production. Perform cell fusion, screen hybridomas, ELISA, electrophoresis, column chromatography & tissue culture work. Conduct chicken embryo inoculations & virus harvesting.

Req.: BS in microbio. or equiv. 2-3 yrs. exp. w/monoclonal antibody production, immunoassays, electrophoresis & gen'l. microbio. work. Apply 3/11. Min. Biweekly: \$526.14

TECHNICIAN, GR22 (T0702) Pharmacology

Conduct experiments & analyze results on biochem. research relating to calcium channels. Calculate & analyze data-statistical, graphical. Assist in design & interpretation of results.

Req.: BS or equiv., in biochem. neurobio. or similar field. 2-4 yrs. in related field, familiar w/balances, pH meter, centrifuges, gamma & scintillation counters, spectrophotometers, light microscope, & tissue culture equip. Apply by 3/11. Min. Biweekly: \$554.63

MICROCOMPUTER SUPPORT SPECIALIST, GR24 (T0706) A.R. Mann Library

Coord. & conduct network & microcomputer support, maint. & repair activities. Install & configure computer networks. Order, install, configure & upgrade hardware & software. Troubleshoot hardware, software & network problems. Consult staff in use of microcomputer hardware, software & peripheral devices. Teach in library computer trng. programs. Provide tech. support to libr. projects.

Req.: AAS in tech. field. 3-5 yrs. exp. in troubleshooting & support of microcomputer hardware & software req. Solid written & oral communications skills req. Driver's lic. req. Apply by 3/11. Min. Biweekly: \$623.68

TECHNICIAN, GR24 (T0705) Equine Drug Testing

Assist in field drug testing lab at Yonkers/Roosevelt Raceway. Provide analysis of blood & urine samples using thin layer chromatography & gas chromatography.

Req.: BS or equiv. in chem., biochem., toxicology or equiv. pref. Exp. in isolation, purification & identification of drugs. Thin layer chromatography exp. req. Exp. operating gas chromatograph. Apply by 3/11. Min. Biweekly: \$623.68

ELECTRICIAN (T0707) M&SO

Install & maintain electrical systems, incl. lighting, motor telecom.

Req.: H.S. or equiv. NYS driver's lic. req. Completion of accredited apprenticeship or equiv. req. Apply by 3/4.

Part-Time

ACCTS. ASST., GR17 (C0709) Natural Resources

Provide clerical & acctg. asst. in dept. busn. off. Resp. for data entry, spreadsheets, expediting payments & billings; maintain acctg. files; act as receipt. 30 hrs./wk.

Req.: H.S. w/busn. major/busn. school or equiv. Hands on computer exp. w/spreadsheets & data entry. NYS acctg. knowl. helpful. Exp. w/several software pkgs. Med. typing. Min. full-time equiv.: \$420.76

MATERIAL HANDLER, SO18 (G0704) Unions & Activities-Robert Purcell Union-Endowed

Receive & unload materials; verify accurate shipment from invoice & assure materials are in acceptable condition; deliver materials; organize & collect returnable bottles for pick up; stock shelves; assist in supv. of students; take inventory & perform other duties as req. Mon.-Fri., 7 a.m. to 12:30 p.m.

Req.: H.S. dip. or equiv. Arithmetic skills. Some receiving exp. Able to lift 65 lbs. Exposure to cold (coolers & weather). Min. hourly: \$6.06

COOK, SO18 (G0706) Residence Life-Endowed

Clean, prepare & cook food for Univ.-owned fraternity. Clean all food prep. areas, cooking areas & assist in keeping storerooms & refrigerators sanitary. Aid student steward in menu-planning & food purchases as needed. Mon.-Fri., 1-6 p.m.

Req.: H.S. dip. or equiv. 1-3 yrs. cook exp. Able to follow recipes accurately, operate standard food prep. & cooking equip. Exp. in large quantity prep. essential. Good org. skills. Able to work w/little supv. & w/student volunteers. Able to supv. student helpers pref. Min. hourly: \$6.06

AUDIO VISUAL ASSISTANT (C0707) Hotel Administration

Deliver a/v & video equip.; routine off. procedures; equip. scheduling; inter-office comm. Maintain Hotel School equip. inventory; a/v dubbing; train students on equip. usage. Mon.-Fri., 8:00 a.m.-1:00 p.m.

Req.: Able to meet time deadlines & lift heavy (75-100 lbs.) video monitors. Knowl. of/ or willing to learn a/v & video equip. operation. Exc. public relations exp. Familiar w/CU campus helpful. LI typing. Letter & resume to Laurie Worsell, 160 Day Hall.

Temporary

Experienced & skilled individuals specifically interested in temporary work should mail application to 160 Day Hall.

AUDIO VISUAL ASSISTANT (C0707) Hotel Administration

Deliver audio/visual & video equip.; routine off. procedures; equip. scheduling; inter-office comm. Maintain Hotel School equip. inventory; audio/video dubbing; train students on equip. usage. Mon.-Fri., 8:00 a.m.-1:00 p.m.

Req.: Able to meet time deadlines & lift heavy (75-100 lbs.) video monitors. Knowl. of/ or willing to learn audio/visual & video equip. operation. Exc. public relations exp. Familiar w/CU campus helpful. LI typing. Letter & resume to Laurie Worsell, 160 Day Hall.

FIELD CROP PROF. (T0703) Cooperative Extension

Respond to crop growers questions, interpret soil analysis & make pesticide & fertilizer recommendations. Identify & remedy special field crop problems.

Req.: BS in agron. or related field. NYS pesticide applicators lic. Letter & resume to Carl Crispell, 56 Main Street, Owego, NY 13827.

OFFICE ASST. (C0704) Lab Animal Services

Place orders

Cadets take on the Adirondacks



Cadets from Cornell, Ithaca College and State University College at Cortland traveled to the Adirondacks last weekend to take part in a winter survival program run by Cornell's Military Science Department.

Twenty-five cadets and six Military Science faculty traveled from Ithaca to Raquette Lake, N.Y. where they walked across a mile-long manmade ice bridge to Huntington Memorial Camp on Long Point. The 500-acre camp was donated to New York State in 1948 by the heirs of Collis P. Huntington and is used year-round by the college at Cortland for outdoor education programs.

The theme of the three-day exercise was "confidence building" according to Lt. Colonel Clarence Buchwald Jr., Cornell Army R.O.T.C. commander and the group's leader. Using the "buddy system," pairs of cadets ran through a confidence course that tested their abilities to work in teams and put their survival in the hands of others.

The program also required the cadets to build shelters and sleep overnight in them. The Sunday morning temperature at Long Point was -5 degrees Fahrenheit with a wind chill factor of -57 degrees. "Ithaca feels like the tropics" commented Colonel Buchwald on the group's return.

Photographs by Claude Levett



Cornell cadet Jennifer Cacl.

Joe Leeming

Lyndon Searles of Cortland braves minus-5 degree temperatures on his way to breakfast.



Jeff Sung, left, and Allan Dean help fellow cadet climb a 15-foot wall, part of the confidence course.



Cadets led by Cornell's Jeff Sung line up to run through the confidence course. Cortland cadet commander David Bremer, left, gives instructions.



Raquette Lake, covered with six inches of ice, was the scene of the survival exercise run by Cornell's Military Science Department last weekend.



Army cadet Jeff Sung, left, and Naval cadet James Tangorra shared a shelter Saturday night. They are roommates in the College of Agriculture and Life Sciences.



Warming up before spending the night in shelters are, from left: captain Tim Kaseman and Diana Bremer.

SPORTS

Thursday-Saturday, 2/25-2/27
Women's Swimming, Easterns at Harvard

Friday, 2/26

Men's Wrestling, Syracuse, 4 p.m.
Women's Basketball, at Yale, 6 p.m.
Men's Basketball, Yale, 7:30 p.m.
Men's Hockey, at RPI, 7:30 p.m.

Saturday, 2/27

Women's Fencing, at NCAA Reg. Qualifying
Men's Swimming, Princeton, noon
Men's Gymnastics, Ivy Championships at Cornell, 1 p.m.
Men's Squash, at Franklin & Marshall, 1 p.m.
Men's Wrestling, at Wilkes, 3 p.m.
Women's Basketball, at Brown, 7 p.m.
Men's Basketball, Brown, 7:30 p.m.
Men's Hockey, at Vermont, 7:30 p.m.
Men's Polo, Vernon, 8:15 p.m.

Saturday-Sunday, 2/27-2/28

Men's Track, Heptagonals at Cornell
Women's Track, Heptagonals at Cornell
Women's Hockey, at Ivy League Tournament

Sunday, 2/28

Women's Gymnastics, at New Hampshire, 1 p.m.

Thursday-Saturday, 3/3-3/5

Men's Swimming, Easterns at Brown

Last week's scores

[X-Y Overall record to date]

Men's Basketball [15-7], Ivy League [9-1]

Cornell 71, Harvard 63
Cornell 101, Dartmouth 85

Women's Basketball [8-12], Ivy League [0-10]

Harvard 62, Cornell 50
Dartmouth 76, Cornell 48

Men's Hockey [7-6], ECAC [14-6]

Cornell 7, Brown 1
Cornell 7, Yale 4

Women's Hockey [11-10], Ivy League [6-4]

Cornell 4, Yale 0
Cornell 5, Brown 3

Men's Fencing [6-11], Ivy League [0-5]

Harvard 14, Cornell 13

Women's Fencing [1-16], Ivy League [0-5]

Harvard 13, Cornell 3

Men's Gymnastics [5-5], NAGL [2-2]

Cortland 211.35, Cornell 180.00

Women's Gymnastics [11-3]

Northeastern 175.55, Cornell 173.40

Men's Polo

2nd place in the Eastern Regional Championship

Women's Polo

1st place in the Eastern Regional Championship

Men's Squash [17-6]

Cornell 9, Colgate 0
Dartmouth 5, Cornell 4
Cornell 9, Columbia 0

Men's Swimming [3-7], EISL [1-7]

Cornell 119, Dartmouth 84

Women's Swimming [5-5], Ivy League [2-5]

Cornell 146, Dartmouth 117

Men's Wrestling [8-4], Ivy League [6-0]

Cornell 23, Princeton 13
Rider 35, Cornell 6
Cornell 25, Drexel 12
Cornell 37, Penn 8

Highlights: The wrestling team captured its second straight Ivy League title last weekend. And the men's basketball team scored more than 100 points in a game for the first time in 13 years. This was in the game against Dartmouth on Saturday.

Graduate Bulletin

Free tax assistance for graduate students, given by law students with IRS training, from March 1 to April 12, Saturdays 1-5 p.m., Tompkins Country Library, 312 N. Cayuga Street; Tuesdays 7-9 p.m., Pyramid Mall, Hills entrance.

Reduced tuition: Doctoral candidates who have completed six units of residence at Cornell, have passed their "A" exam, and are no longer taking courses should apply for reduced tuition of \$1,000 a semester. Forms available at Sage Graduate Center.

2 to perform 17th century music

Harpichordist Arthur Haas, who received top prize in the Second International Paris Harpichord Competition, and violinist Sonya Monosoff, professor of music here, will give a joint recital of 17th century music on Feb. 28, 4 p.m., Barnes Auditorium.

The program will include de la Guerre's Sonata, Forqueray's Suite II in G Major for harpichord, Leclair's Sonata VII, Op. 5, and J.S. Bach's Prelude and Fugue and Allergro, BWV 998 for harpichord and Sonata VI in G Major, BWV 1019.

Monosoff joined the Cornell faculty in 1972. She has received a Fulbright grant to teach in Australia and New Zealand next summer.

Haas is professor of music at Eastman School of Music and State University of New York at Stony Brook. He has taught at L'Ecole Nationale de Musique in Paris and recorded extensively for French and Italian labels. He recently performed as soloist at Lincoln Center with the Mostly Mozart Festival, and is harpichordist of the Baroque chamber group, the Aulos Ensemble.



Sonya Monosoff

Beetle *continued from page 1*

They can move by flowing — and engulf and digest food — much as an amoeba does. At other times in their life cycle, they are stationary and reproduce by releasing spores, the method used by fungi."

The huge slime mold in Smith Woods, a *Physarum polycephalum*, was three to four square feet in size. It was growing on *Pleurotus ostreatus*, which gained its common name because the mushrooms resemble oysters.

But the beetle was another question. The tiny creatures, each about an eighth of an inch in length, were readily identified by the Cornell entomologist as belonging to the genus *Agathidium*. Yet they did not resemble any known species. Samples of the plasmodium and about three dozen beetles were taken to Wheeler's Cornell laboratory. The mysterious beetles and larvae that hatched from their eggs fed happily on pieces of slime mold, and Wheeler set about identifying the bugs from Smith Woods.

Comparison with similar beetles in the Cornell University Insect Collection, which is one of the world's largest, and review of the literature found enough separate characteristics to constitute a valid species. One particular characteristic, the larger left mandible in the males, gives the aristerium part of the name, from Greek for left hand.

When threatened, the beetle tucks in its legs and antennae and folds into a nearly perfect sphere, "like an eight ball without

the eight," Wheeler commented.

Discovery of beetles on slime mold on mushrooms leads to further intriguing questions. There is only one other documented case of such an association, and Wheeler found that, too, in 1980 in a bog in Ohio. "The full significance of this slime mold/fungus association cannot yet be surmised," Wheeler wrote in *The Coleopterists Bulletin*, "and the inclusion of the beetle in this ecological complex makes it even more enigmatic."

Further investigation may determine whether the beetles transport spores of slime mold to other places where potential host fungi are growing, thus guaranteeing themselves or their offspring another meal in the future. Studies elsewhere have shown that acidic shock enhances the viability of slime mold spores, Wheeler noted, "and passing through the gut of a beetle is certainly an acidic shock." Another insect that provides for its future by carrying fungus spores is the ship-timber beetle, which also is studied at Cornell.

For being in the right place at the right time, the Cornell entomologist got to append his name to a new species, but the discovery hardly closes the book on the beetle business: More than 350,000 species of beetles have been named, and by some estimates between 1 million and 10 million others remain to be discovered.

Roger Segelken

Economic revival *continued from page 1*

John, Md. The authors' combined experience includes taxation, public administration and international trade.

The American economy has been stagnant for two decades, with productivity increases, private savings rates and business investment lagging behind Japan, West Germany and other industrialized nations, the authors point out. For the average family, real income has not grown and, since 1981, inequality in family incomes has increased.

The ballyhooed "Reagan recovery" actually "brought about the deepest recession, the highest rate of unemployment, the largest number of business failures since the Great Depression and an increase of the federal debt by more than \$1 trillion," they write. "The Reagan administration simply abdicated responsibility for the productive sectors of our economy, allowing them to be sacrificed to the myth of free trade."

"We're not unleashing government," King said in an interview. Pointing to the government's role in the Erie Canal, transcontinental railroads and the settling of the West, King added, "Our history is one of the public sector providing the means for the private sector to grow."

The Cornell professors offer four public-sector proposals for "Growth with Fairness":

- Establish a Federal Industrial Development Bank. The bank, similar to the Reconstruction Finance Corp. that pulled the United States out of the Great Depression, would spend \$10 billion a year to buy eq-

uity in companies seeking government help to finance a detailed modernization plan that is likely to regain domestic and international markets.

If the 1979 federal loan to Chrysler Corp. had been made under this type of arrangement, the government would have reaped \$30 billion for additional investment from its \$1.5 billion loan, the authors point out.

A federal bank would be willing to accept a long-term return, in contrast to the short-term demands of commercial lenders. By taking an equity position, the bank would ensure that all of the money spent would be invested rather than a sizable portion going to interest payments on a loan. Quasi-independent control, similar to the Federal Reserve Board, would insulate the bank from political pressures, the authors say.

- Establish a new federal compact with the states. To correct for inequities across states, the federal government should assume all costs for Medicaid and for Aid to Families with Dependent Children. Nationwide, aid should be guaranteed to reach 55 percent of the poverty level, which is higher than what is currently paid by 39 states.

This move will cost the federal government \$35 billion annually, but will save the states \$27 billion a year. The states must spend that money on education, job training, day care and public-private job creation partnerships.

- Invest in infrastructure. During the Reagan years, spending on public works

dropped from 10.5 percent of federal spending to 5.9 percent. An additional \$25 billion a year should be spent to repair roads, bridges, sewer treatment plants and mass transportation. This proposal would still leave public works spending at a lower level than when Reagan took office, the authors say.

- Adopt a vigorous trade policy. The government should reject far-reaching protectionism but should use "modernization tariffs" to protect specific industries for up to five years, so that they can rebuild under a detailed plan to recapture markets. "The goal is not to insulate our firms from international markets but to help them, quickly and decisively, to enter those markets," the professors write, pointing to the recent, short-term tariffs on motorcycles that allowed Harley-Davidson to retool.

Also, the president should be able to impose tariffs when the key difference between the costs of domestic and imported products is low wages paid in a foreign country.

This four-part plan calls for \$70 billion a year in new federal spending — \$10 billion by the Industrial Development Bank, \$35 billion on welfare and Medicaid, and \$25 billion on infrastructure — and \$35 billion in deficit reduction for a total of \$105 billion. To pay for "Growth with Fairness," Esman, Jackson and King propose:

- Cancel Reagan's income tax cut. Savings: \$25 billion a year. The government should cancel the last year of the Reagan tax cut, retaining the four-step income tax

rates of 15, 28, 35 and 38.5 percent instead of going to only two tax rates of 15 and 28 percent. By comparison, the top tax rates are 76.5 percent in Japan, 56 percent in West Germany and 60 percent in Britain.

- Adopt an excise tax on luxury consumption. Revenue: \$15 billion. A federal sales tax of 4 percent on durable goods and services costing more than \$250 would be progressive and would encourage savings.

- Restore a tax on securities exchanges. Revenue: \$35 billion. Until 1965, there was a federal tax of 1 percent on purchasing or selling shares in stock and bond markets. That tax should be restored, exempting only first-time issues because new offerings fund economic growth.

- Cut defense spending. Savings: \$15 billion initially, eventually \$40 billion. By trimming \$40 billion a year from new obligatory authority, \$15 billion can be cut annually from actual defense spending. The cuts would come from unneeded weapons systems, such as the MX missile.

- Cut subsidies to corporate agriculture. Savings: \$10 billion. The Prince of Liechtenstein gets \$2 million a year for not growing crops on his land in Texas, according to the professors. Subsidies should continue to maintain family farms, but subsidies to corporate farms should be reduced.

"Americans have never believed that social fairness is an obstacle to economic success," Esman, Jackson and King write. "The challenge is here; the means are at hand."

Mark Eyerly

Networking

A Cornell Newsletter Published by Employees for Employees

Volume 8, Number 18

Thursday, February 25, 1988

Let Your Vote Count!

Employee Elected Trustee Election

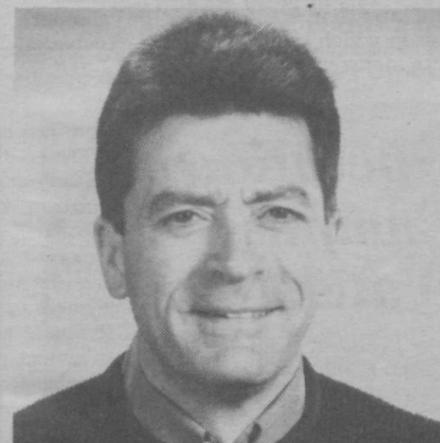


Elizabeth S. Barnardi

ELIZABETH S. BARNARDI (Bette) - Executive Staff Assistant, Administration, College of Human Ecology

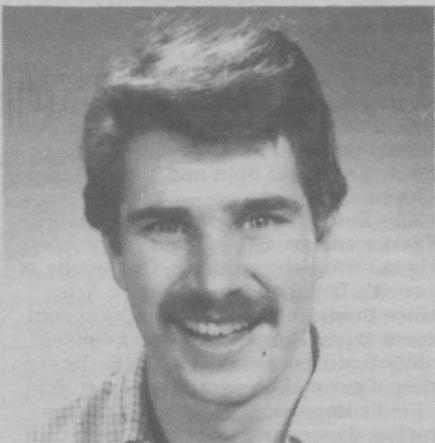
Cornell employee since 1980. Native of Lackawanna, NY; graduate Bryant and Stratton Business Institute, Buffalo; City of Ithaca resident - 30 years. Community, school and church volunteer. 1973-74 PTA president, Belle Sherman School; 1975-76 president, Bryant Park Civic Association; 1972-82 member-Ithaca Board of Realtors, recipient of Realtor Associate of the Year award for contributions to the Board of Realtors and to the community; 1980-84 member-City of Ithaca Board of Zoning Appeals. **CAMPUS ACTIVITIES:** 1987 commencement usher; 1986-87 Employee Day volunteer. **CURRENT COMMUNITY ACTIVITY:** 1987 cofounder, Finger Lakes Epilepsy Association support group. Single parent, four daughters, one son. Two now seniors at the University of Maryland and LockHaven University. Others graduates of University of Cincinnati, RIT and Ole Miss and live in Maine, Massachusetts and Maryland.

I would consider it an honor and privilege to represent the Cornell employees as a member of the University Board of Trustees. I look forward to meeting with employees during the next several weeks to hear their concerns.



Mick Ellis

A Cornell employee for thirteen years, I have served in both the nonexempt and exempt categories. For eight of those thirteen years, I have been a member of the Employee Assembly. From September of 1985 through May of 1987, I served as chairperson of the Assembly. I have also served two terms as vice chair and two terms as chair of the Assembly's Personnel Policy Committee. In addition, I am an employee member of the University Hearing Board. I have had extensive experience as an employee representative in the campus governance process and would be grateful for your support in this election. I am committed to the governance process and to Cornell's employees. Cornell is a world class education and research institution. I am proud to be a part of it and am dedicated to making it an even better place to work.



Dwight Widger

I have been employed as a research technician at Cornell since 1984. For the past two years, I have become involved in employee self governance as a member and Parliamentarian of the Employee Assembly; chairperson and member of the University Assembly; member of the Presidential Standing Committee on Responsible Speech and Expression; and liaison to the University Budget Policies Committee. I have also served as a member of the Employee Day Committee, Communication Committee, Internal Operations Committee and the ad-hoc Smoking Committee.

During my term as an Employee Assembly member, the executive staff of Cornell University has continued to listen as I explain employees' problems and concerns. Permanent posting of campus and commuter bus schedules in shelters; pedestrian safety at the new Goldwyn Smith bus shelter; future parking needs of Statler Hotel and Theory Center employees; and the initiation of campus-wide recycling are a few of the concerns I have recently brought forward.

Please exercise your right to vote and select me as your first choice for employee-elected trustee.



Daniel J. Mansoor

In addition to exercising the legal and moral obligations of safeguarding the assets and preserving the educational mission of Cornell, I will also serve you -- as a spokesperson for your concerns and an advocate for your needs.

In doing so, I will not avoid the conflict inherent in organizations, but rather embrace the visionary thinking and progressive changes that this conflict encourages. As employee-elected trustee, I must insure that Cornell's mission includes a proper role for and a proper recognition of the often-neglected Cornell employees.

I can accept the limitations of only one vote on the Board of Trustees, but I will not neglect the many voices that this voice represents.

Dan Mansoor came to Cornell in 1975 from Madison, Wisconsin. He earned his BS degree from Cornell's College of Engineering and his MBA from Cornell in 1980. He has worked for the Departments of University Unions, Residence Life, and the Division of Summer Session. Since 1984 he has served as director of development for the Johnson Graduate School of Management. He presently serves on the Dean of Students' Greek Judicial Board and several community organizations.

Board of Trustees Ballots to be Mailed

On March 7, 1988, ballots will be mailed to nonacademic employees for the purpose of electing an employee to Cornell University's Board of Trustees. Among the many things that make Cornell University a unique institution is the opportunity for an employee to hold a seat on the Board of Trustees -- a position which was created in 1975.

As a member of the Board of Trustees, the employee-elected trustee will be one of forty-two members on the board and will serve a four-year term.

Trustees have a central and important role to play in the governance of the institution and in determining its mission, goals, plans and programs. Responsibilities include:

- 1) appointing the president
- 2) supporting the president
- 3) clarifying the mission
- 4) approving long-range plans
- 5) approving educational programs
- 6) insuring financial solvency
- 7) maintaining physical plant
- 8) being informed

George Peter has ably served, with dedication and commitment, employees for eleven years as an employee-elected trustee. His impact has been felt from the creation of the Cornell Recreation Club, Employee Day, Dedicated Service Award and Networking to board decisions. His four-year term is up on June 30, 1988. Employees must now consider who is best able to carry on the work of Trustee Peter.

Please take the time to read the candidates' statements and to attend forums

designed to provide you with more information about the candidates. It is an important position and each employee is given the opportunity to have a voice in choosing who you feel is best able to represent you.

There will be a forum sponsored by the "Cornell Daily Sun" on March 1, at 4:30pm, the location of which has yet to be decided, and a Brown Bag Luncheon sponsored by Employee-elected Trustee George Peter on Thursday, March 3, at 12 noon in 105 Space Sciences. These are being presented as an opportunity for you to meet with candidates and to ask them questions.

Staff will also have the opportunity to vote on referenda concerning transportation issues, recycling, and University Assembly membership. Results of the referenda will be used to measure community opinion.

The deadline for the return of your trustee-referenda ballot is March 18. Committee applications are also due.

If you would like information regarding an absentee ballot, a ballot with large print type or the committees, please contact the Office of the Assemblies, 165 Day Hall, 5-3715.

Seven Cornell University employees will automatically become members of the Employee Assembly this year because each is running unopposed. Assembly members serve two-year terms. There are still three openings for statutory employees and one for an endowed employee.

Let Your Vote Count!

Focus on the Employee Assembly

Employee Assembly

The Employee Assembly examines University policies affecting the employment environment, including personnel policies and such matters as education and training opportunities, recreation, and special employee needs in the areas of transportation and health services. Employees are invited and encouraged to participate in the Employee Assembly.

Outlined here is the structure and function of the component committees of the University's assemblies. If you are interested in becoming a member of the Employee Assembly or one of the below listed committees with employee involvement contact the Office of the Assemblies, 5-3715.

EMPLOYEE ASSEMBLY COMMITTEES

Personnel Policy

Personnel Policy reviews University personnel policy and brings all questions before the Assembly for discussion.



Communication

Communication promotes higher visibility for employees as community members; provides a sense of unified employee body and helps create an increased sense of community among all members of the Cornell community.

Internal Operations

Internal Operations facilitates the nomination and selection of employee members to both elected and appointed positions administered by the Employee Assembly; ensures the recruitment, selection, and the seating of a full cross-section of the Cornell employee population.

Employee Education strengthens and improves the employee education system

Continued on page 4

Wanted: Employees Interested in Serving on the Employee Assembly

The following constituencies are currently not represented on the 1988-89 Employee Assembly:

- Statutory At-Large Representative
- Statutory Exempt Representative
- Statutory Nonexempt Representative

If you are interested in filling one of these vacancies and in participating in Cornell University's self-governance system, contact Office of the Assemblies at 5-3715.

Let your vote count!

Letter to Employees from Robert Barker and James Morley

Re: Participation in Campus Governance
Many voters contribute to the quality of campus life. Among them are our system of self-governance and the many committed members of the community who serve on the Assemblies and their committees.

The Employee Assembly provides an important mechanism for information exchange between employees and University administrators. Through the Employee Assembly you have the opportunity to participate in groups which meet regularly with senior members of the University administration to consider and have an impact on such matters as personnel, campus planning, dining, public safety, education and training, health services, transportation and recreation.

An employee also serves on Cornell's Board of Trustees for a four-year term. And, as a Trustee, this employee plays a central and important role in the governance of the institution and in determining its mission, goals, plans and programs. Trustees are responsible for the overall welfare of the institution.

We encourage you to consider how you might participate in and contribute to Cornell's governance system -- by running for employee-elected Trustee, by running for an Employee Assembly seat, by participating on an Assembly committee, by attending "brown bag lunches," by voting in the elections, by bringing a concern to your Employee Assembly representative, or by encouraging and making it convenient for a member of your staff to participate.

We are deeply indebted to those of you who do participate. Those who do play a special role in helping to make Cornell the unique institution that it is.

Blood Pressure Clinic

February 25 - Ornithology Lab - 9:30am-11pm
March 1 - Life Safety, Judd Falls Rd. Shop - 8-10am
March 8 - Riley-Robb, Room 205 - 8:30am-12:30pm
March 22 - Uris Hall, Room 202 - 9am-12 noon
March 23 - Corson-Mudd Hall, Room W358 - 8:30am-1:30pm
March 31 - Olin Library, Room 703 - 8:30am-12 noon

Calendar of Workshops and Seminars in Mail

Your spring calendar of workshops and seminars was mailed to your campus address last week. This twelve-page calendar is filled with a variety of programs designed to promote staff development, improve job performance, assist with career growth within the university and improve personal effectiveness.

Spring is a time for growth and this might be a good time for you to take advantage of this opportunity to increase your knowledge, skills and interaction with your peers. Many of the programs offered are those rated by your fellow employees as being very beneficial in the workplace. Listed here are just a few of the programs; check in your calendar for a complete listing.

Work skills development courses offered this spring include speedreading, public speaking or coping with difficult interpersonal behaviors.

Health and safety programs offered include managing stress on the job and Red Cross first aid and modular CPR.

Some offerings in the management and supervisory development include performance appraisal, interviewing skills, setting priorities, and time management.

Human Relations and Communication skills programs include assertiveness skills, improving personal effectiveness, and giving and receiving feedback.

Check in the calendar for the special registration procedure to learn more about the endowed accounting procedures and accounts payable and Sponsored Programs administration.

Training and Development calendars are published each quarter to provide an ongoing program of employee development. Many courses are offered free of charge although some carry a charge to your department. Information on how to register for any of this spring's programs can be found in your calendar or by calling Training and Development at 5-7170.

Center Stage with the Department of Theatre Arts

Theatre Cornell Outreach

In addition to the performances that bring audiences to the Willard Straight Theatre, Theatre Cornell has created other stages that expand and extend the presences of live theatre in our community. For the past several years, Theatre Cornell Outreach has produced presentations about critical social issues such as suicide prevention and crisis intervention, child abuse and neglect, date rape, and sexism and racism in the work place.

Theatre Cornell Outreach

One goal of Theatre Cornell Outreach is to share the excitement of live performance with the Cornell and local communities. This year TCO has presented a variety of theatre and dance programs, designed to entertain as well as to develop an appreciation for the performing arts. In December, the Department of Theatre Arts' professional actors in residence, RPTAs, pushed back the desks in Trumansburg and Interlaken classrooms to give fourth, fifth and sixth grade students an introduction to the process of combining imagination and movement in improvisation exercises.

The following day, students saw the RPTAs present excerpts from "Twentieth Century Blues," a lively anthology of short scenes which has an appeal to all ages. Audiences at the Senior Citizens' Center and Ithaca, as well as at Ithaca High School, enjoyed comedy and drama from sources which include Shakespeare, Martin Luther King, Albert Camus, Noel Coward and the Beatles. A free performance for the Cornell community was presented on February 24 at the Noyes Center.

Faculty and student dancers and choreographers from the Theatre Arts Dance Program have also shared their talents this year. Teenagers at the Greater Ithaca Activity Center (GIAC) learned how choreographers transform ideas into movement to create new dances. Employees and students enjoyed improvisations and works in progress at the Classics at Noon series in the Memorial Room. An informal showcase from the Dance Concert provided an entertaining Sunday afternoon on Valentine's Day in the Center Ithaca atrium.

TCO programs are usually free and

open to Cornell employees. Watch for flyers and calendar notices of upcoming events. For more information contact Janet Salmons-Rue, outreach director, 5-2787.

Dance Concert '88 Opens

Dance Concert '88, an evening of original choreography, will open March 3 at 8pm in the Willard Straight Theatre. Additional performances are slated for March 4 and 5 at 8pm and March 6 at 2:30pm.

This annual event, a perennial favorite of dance enthusiasts in the area, presents original works by students and faculty of Cornell's Department of Theatre Arts Dance Program. The music of local composers David Borden and Eric Feinstein will be featured, as will 3-4 TIME, the creation of guest choreographer Albert Reid.

Reid's impressive career as a choreographer-dancer and teacher spans a half century. In addition to his position as artistic director of the Albert Reid Dance Company, the artist also serves as a faculty member at New York's Bard College and the Merce Cunningham Studio. Among his many credits and appearances, Reid has performed commissioned work in England, Venezuela, Canada,

and the United States.

Faculty choreographers include Joyce Morgenroth, Holly Carlson Lau, and June Finch. Also featured are student choreographers Romi Goldwasser, Ann Boyd, and Cheryl Guelden. A seven-piece ensemble will provide live musical accompaniment for the concert. The ensemble will accompany Reid's 3-4 TIME with Josef Lammer's DIE ROMANTIKER, Valse op. 167 and Guelden's "On the Wind" with Vivaldi's CONCERTA IN C MAJOR.

Tickets for Dance Concert '88 can be purchased at the Theatre Cornell Box Office in Willard Straight Hall or by telephone at 5-5165. Prices are \$5.50 for general admission and \$4.50 for students and senior citizens.

Employees! Join the Crew!

Theatre Cornell would like to invite any employees interested in working on the light crew or stage crew for Moliere's SCAPIN to contact the stage manager, Pamela Guion at 5-0549. SCAPIN opens April 21 and will continue for three weeks until May 7. If you are not available for the Theatre Cornell production, call us anyway. We'll let you know where your talents can be used in the future. Employees may also audition for Theatre Cornell productions. Watch for notices!!!



Special Offering of the Alexander Technique

Bring Awareness and Ease Your Everyday Activities

The Alexander Technique will be offered from 9:00am to 11:00am on March 22, 24, 29, 31, April 5, 7, 12, 14. This program was not listed in the calendar but you may enroll by completing the registration form available in the spring calendar and sending it to Training and Development, 107 Day Hall.

Imagine yourself working at the computer... are you pressing your face to the screen? Do you feel a pinch in your pack? Is the energy you're using appropriate to the task? Many of us go about our daily activities using way too much effort and

energy. The Alexander Technique provides a way to increase our sensory awareness so we can learn to recognize and eliminate unwanted patterns of behavior and movement. This workshop will help participants use the technique in such daily activities as walking, working and sitting at a desk, speaking, bending and standing. This is not an exercise class. No special clothing or equipment is required. Eight-session program. (\$45 charge to dept.) Class size limited to 12. Instructor: S. Yoshpe

Deadline for Submitting 1987 Claims

Claims for medical services that were rendered in 1987 must be submitted to the Empire Plan carriers no later than April 1, 1988. As stated in the plan booklet, claims must generally be filed "not later than 90 days after the calendar year in which covered medical expenses were incurred."

Operation Campus Watch



by R. Clark, Crime Prevention Unit, Cornell Public Safety

Parking Lot Larcenies
Larcenies from vehicles in parking lots on campus has recently increased! Help us help you by securing your vehicle and by using a few precautionary measures:

1. Always secure your vehicle;
2. Never leave keys unattended in a vehicle;
3. Never display accessories such as tape players and C.B. radios;
4. Take all valuables with you or put them out of sight;
5. If valuables must be temporarily left behind, consider using the trunk;
6. Use locking gas caps;
7. Park in well-lighted, populated locations;
8. Record all serial numbers on equipment and mark them permanently with an Operation I.D. number;
9. Be aware and report any suspicious persons to the Department of Public Safety by dialing 5-1111, or pick-up one of the Blue Light phones.

REMEMBER -- a car equipped with everything may have nothing if precautionary measures are not taken.

Sign Up for Breakfast or Lunch with Senior VP James Morley

Sr. Vice President James E. Morley will continue to meet with employees at a series of breakfasts and luncheons during the coming months and you are invited to attend. You may reserve your place at one of the 7:30am to 8:30am breakfasts - Wednesday, April 20 or Thursday, June 23 in the Elmhurst Room of Willard Straight Hall - or one of the noon hour luncheons - Monday, March 14 and Monday, May 16 in the private dining room of Robert Purcell Union - by calling the Office of Human Resources at 5-3621.

New Members Invited to Join Cornell University Emergency

Medical Services

The emergency medical technician (EMT) applied the "stiffneck" collar to the fallen bicyclist. By the time Bang's Ambulance had arrived, the patient was secured to the backboard and a patient care report (PCR) had been filled out. The first responders were members of Cornell University Emergency Medical Services (CUEMS) which operates in conjunction with Gannett Health Center (GHC) and the Department of Public Safety (DPS).

Each night, the volunteer organization provides emergency medical care and limited transport to members of the Cornell community with a well equipped van and crew of medically trained people. CUEMS also provides standby attention for football, hockey, wrestling and lacrosse intramurals. In addition, it covers special events such as Dragon Day, Springfest, and 5K races through the Plantations.

CUEMS is open to students, staff and faculty. Anyone who wishes to learn or review first aid skills is welcome to join. The Lieutenant of Training has set forth an active agenda this semester and will

present topics that include vital signs and patient assessment, bleeding control, shock management, splinting, medical emergencies, mass casualty incidents, and the AIDS patient. New members will have the opportunity to become certified in CPR as well as standard first aid. Throughout the training period, they can witness emergencies firsthand by observing the nightly shifts.

Each crew consists of an EMT, an assistant and a driver. The van is a 1985 Chevy Astro Cargo Van and is equipped with a full length backboard, oxygen tanks, prosplints and other basic first aid supplies. CUEMS can be dispatched by GHC or by DPS. With its own radio, CUEMS communicates with DPS on the 962 frequency.

Because it is campus-based it can respond to medical emergencies promptly. And when health is at risk, minutes can be golden. Individuals that are interested in joining CUEMS may call 5-9615 between 6pm and midnight. They may also leave their name and number at their Gannett Office (ADM floor) or write to the organization via campus mail. Certifications are welcome, but not required.



Friends, Family, Food, and Fun: Employee Night at the Court



Photos by Susan Boedicker

The second annual Employee Night was a great success and the Employee Day Committee would like to extend a special thank you to all who volunteered their time or in any way contributed to the success of a great evening for over 1300 Cornell employees and their family members. A special thanks also to Jean Rogers of Building Care, Gloria Howell of the Registrar's Office, Tom Douple of Athletics, the Cornell Recreation Club, Traffic Bureau, Campus Store, Department of Athletics, and Cornell Orchards.



Cornell Plantations Spring-Summer Education

Brochure Available

Cornell Plantations Spring-Summer Education Brochure is now available. Choose from 21 different courses in Horticulture, Natural History and Botanical Crafts ranging from Stone Wall Construc-



tion, Beekeeping, Spring Wildflower Walks, Ikebana, Blackwork Stitchery and Perennials Through the Seasons.

Call or write for a free brochure with a complete listing of courses offered this season: Cornell Plantations, One Plantations Road, Ithaca, NY 14850, (607) 255-3020.

Just For Your Information

Passive Smoking:

A Nonsmoker's Absorption of Nicotine

Passive smoking Cigarette smokers are not the only persons exposed to cigarette

smoke; so are nonsmokers who live or work in the company of smokers. Nonsmokers absorb

nicotine, carbon monoxide and other constituents of tobacco smoke just as smokers do.

A nonsmoker's absorption of nicotine

