

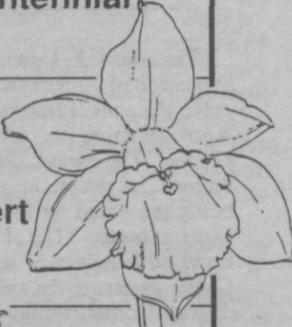
Cornell CHRONICLE

Volume 19 Number 28 April 14, 1988



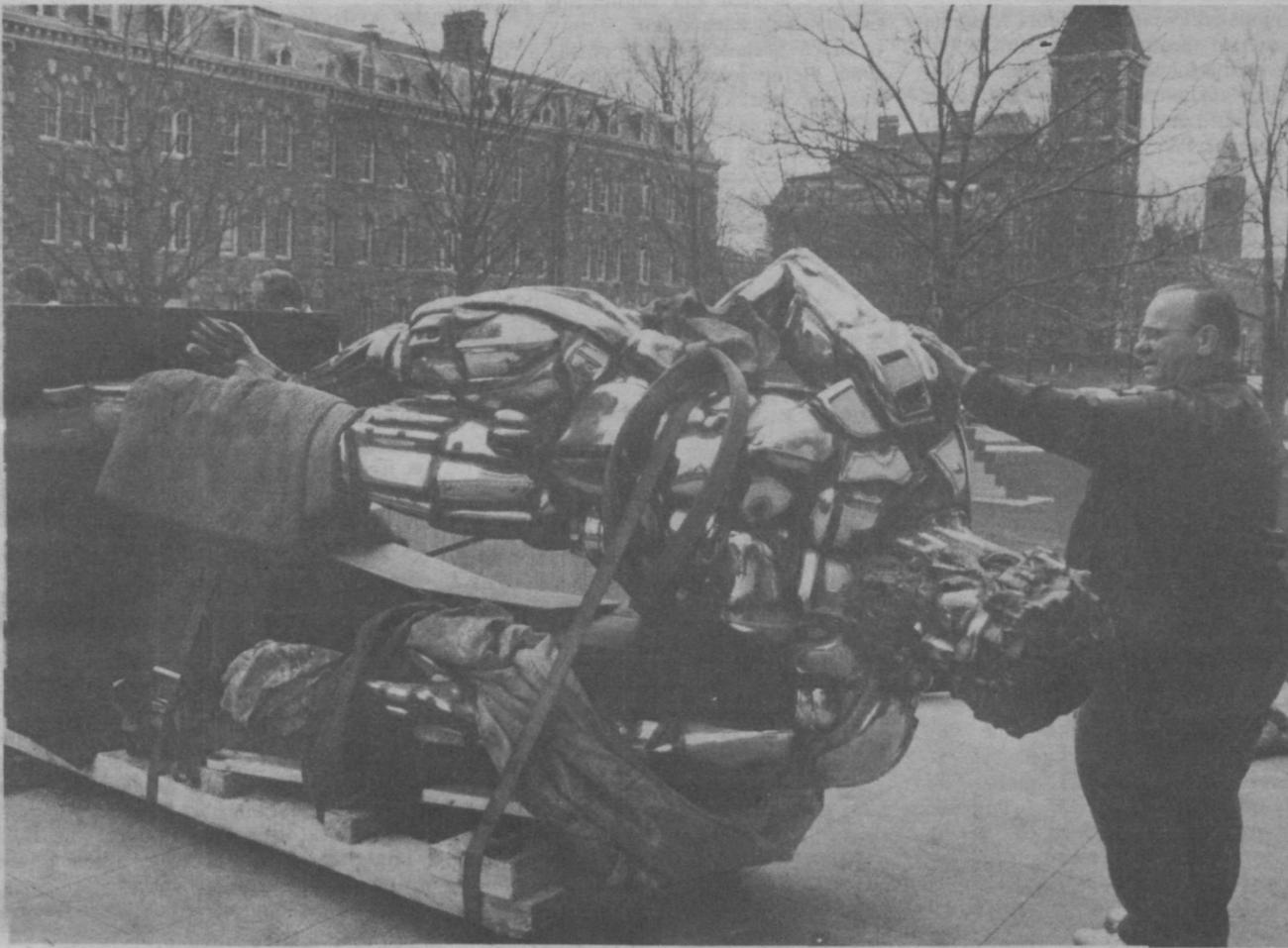
3
Law School
centennial

Cornell
Plantations
special insert





A love 9
of rare
books



Claude Levet

HERAKLES BOUND — Jason Seley's monumental 11-foot statue, "Herakles in Ithaka," (1981) created with automobile bumpers, is moved from its site in the lobby of the Johnson Art Museum April 7 to a temporary home in Robert Purcell Union to make room for an exhibition of bronze sculptures by Bryan Hunt. At right is Jim Stout of Besemer Rigging.

Budget news puts Cornell on defensive

Although some crucial money matters were still unresolved this week, much of the state budget news out of Albany was clear enough — and bad enough — so that the Cornell administration had to begin defensive planning for the new fiscal year.

The worst news was the rejection of more than \$3.2 million in Cornell requests to cover higher utility costs, inflationary increases for supplies, and salary support for academic and nonacademic jobs.

"In effect, the state cut salary support by \$640,000, which will probably not require any layoffs but will surely mean authorized job lines cannot be filled," said Malden C. Nesheim, vice president for planning and budgeting. "The rejection of the full \$2.16 million request for utility-cost increases will force us to make some hard cuts in our already-efficiency-conscious energy use. We've started reviewing options, but we don't see the light yet."

For the previous fiscal year, which ended March 31, Cornell had received \$99.3 million from the state operating budget to help run its statutory units — the College of Agriculture and Life Sciences, the College of Human Ecology, the College of Veterinary Medicine and the School of Industrial and Labor Relations. That allocation was just under half the operating costs.

Cornell requested \$108.3 million for the fiscal year just begun, but it came out of last week's deliberations with \$102.1 mil-

Continued on page 12

Lipsky poised to be ILR dean

David B. Lipsky, associate dean for academic affairs in the School of Industrial and Labor Relations, is expected to be named dean of the school, subject to confirmation by Cornell's Board of Trustees.

Lipsky will succeed Robert E. Doherty, whose three-year term ends on June 30.

As this issue of the Cornell Chronicle was going to press, President Frank H.T. Rhodes was scheduling a meeting with the faculty to discuss the appointment.

The selection of Lipsky, who is a labor scholar and practicing specialist in collective bargaining, was announced by Provost Robert Barker. His selection followed a national search involving more than 100 candidates.

"We are particularly grateful for the assistance we received from the state's labor and industrial communities in conducting the search," Barker said. "Those discussions helped shape our thinking about the role of the dean and the school in the future when our nation's economy and labor-management relations are likely to undergo considerable change."

"David Lipsky is ideally suited to lead the School of Industrial and Labor Relations," Barker added. "He is an able scholar and academic administrator. He impressed everyone who interviewed him with his understanding of the unique role of the school and the critical importance of its



David B. Lipsky

involvement with the major issues facing labor in New York State and nationally. President Rhodes and I are confident that he will lead the school with distinction in the years ahead."

Doherty, a professor of collective bargaining, labor law and labor history, plans to remain on the faculty until he retires next year.

Continued on page 2

Lynn elected dean of faculty

Walter R. Lynn, an engineering professor who directs the Program on Science, Technology and Society, has been elected to a three-year term as dean of the university's 1,560-member faculty.

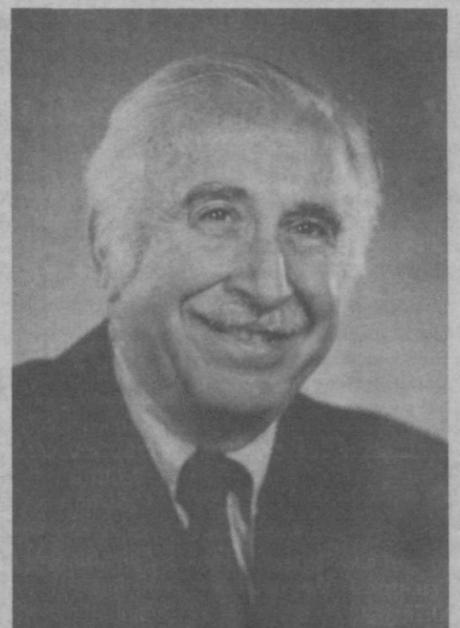
He succeeds Joseph B. Bugliari, a professor of agricultural business law, who has held the office for two terms.

The dean of the faculty, though not officially part of the university administration, represents faculty views to the administration. He or she also leads the Faculty Council of Representatives and, through it, reports to the faculty on positions of the administration and the trustees.

"I think the position is a very important one to Cornell and will probably become even more so," Lynn said. "I'm honored to have been elected."

President Frank H.T. Rhodes called the deanship "central to the life of this university" and said, "Walter Lynn brings a wealth of experience to this key leadership position at Cornell. He is an outstanding scholar and teacher, his knowledge of the faculty and its concerns has been demonstrated in a wide range of university service. I am confident that he will represent the faculty well, and I look forward to working with him in the years ahead."

Rhodes also thanked Bugliari for "two terms of sterling service in which he streamlined and reinvigorated our faculty



Walter R. Lynn

committees and led his peers with strength, diligence and good humor."

Lynn, 59, a civil and environmental engineer, was appointed by Governor Mario Cuomo two years ago to a four-year term as chairman of the State Water Resources Planning Council. He also has been active in faculty governance, including a term from 1980 to 1985 as faculty-elected mem-

Continued on page 2

Notables

Theodore J. Lowi, the John L. Senior Professor of American Institutions, will receive the annual Burton Feldman Award on April 19 from the Gordon Public Policy Center. The award, for outstanding contributions in the field of public policy, is being presented on the 20th anniversary of Lowi's book, "The End of Liberalism." Lowi will deliver a lecture at the Gordon Center as part of the award ceremony.

The Gordon Public Policy Center is an interdisciplinary research center at Brandeis University. It is the research home of a group of political scientists, economists, sociologists, lawyers and historians from Brandeis, Massachusetts Institute of Technology, Boston College, Boston University, Harvard and Wellesley College.

8 win Guggenheims

Eight Cornell scholars and scientists have been awarded 1988 Guggenheim Fellowships.

They are among 262 artists, scholars and scientists selected from 3,265 applicants nationwide to receive the prestigious awards this year. The awards totaled nearly \$6.4 million.

The 1988 Cornell recipients and their proposed subjects are:

- Richard T. Durrett, professor of mathematics, particle systems and nonlinear partial differential equations.
 - C.T. James Huang, assistant professor of linguistics, anaphora in Chinese and in linguistic theory.
 - Peter J. Katzenstein, the Walter S. Carpenter Professor of International Studies, West Germany and Japan in the postwar world.
 - Mary Jacobus, professor of English, literature, psychoanalysis and the feminine body.
 - Robert R. Morgan, poet and professor of English, poetry.
 - Eric D. Siggia, professor of physics, studies in theoretical condensed matter physics and fluid dynamics.
 - Joel H. Silbey, the President White Professor of History, the Republican Party in Congress.
 - Elizabeth S. Spelke, professor of psychology, the origins of physical knowledge.
- The fellowships, which averaged \$24,200 this year, are used towards support of a year of independent study.
- The foundation was established in 1925 by Simon Guggenheim in memory of his son, John Simon Guggenheim.
- Over the past decade, an average of eight Cornell faculty a year have received Guggenheim Fellowships. In 1983, Cornell led the nation with 11 awards.
- Under a new policy, the Guggenheim Foundation this year declined to release the relative rankings of universities in terms of fellowships received.

Cornell Chronicle

EDITOR: Carole Stone
GRAPHICS: Cindy Thiel
CIRCULATION: Joanne Hanavan

Published 40 times a year, Cornell Chronicle is distributed free of charge to Cornell University faculty, students and staff by the University News Service. Mail subscriptions, \$25 per year; two-year subscriptions are \$45. Make checks payable to Cornell Chronicle and send to Village Green, 840 Hanshaw Road, Ithaca, N.Y. 14850. Telephone (607) 255-4206. Second-Class Postage Rates paid at Ithaca, N.Y.

POSTMASTER: Send address changes to the Cornell Chronicle (ISSN 0747-4628), Cornell University, 840 Hanshaw Road, Ithaca, N.Y. 14850.

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.

NSF director to lecture on science policy

Erich Bloch, director of the National Science Foundation, will speak on "People and Responsibilities: Science Policy in the '90s" as he delivers the fifth Henri Sack Memorial Lecture on April 22. The lecture will take place beginning at 4 p.m. in Rockefeller Hall, Room A.

During his two-day visit here, Bloch also will deliver a luncheon address on April 21 at the 10th anniversary symposium of the National Nanofabrication Facility (see related story) and speak at an applied physics discussion/seminar the same day. The physics colloquium, entitled "Duties of Scientists to Society and Balance of Individual and Group Research," will begin at 4 p.m. in Room 701 of Clark Hall.

The Sack Lectureship in the School of Applied and Engineering Physics honors national leaders in applied science.

Previous recipients are Nobel Laureate Ivar Giaver of General Electric Co., Richard Garwin of International Business Machine Corp.'s Thomas J. Watson Research Center, Edwin Land of Polaroid Corp. and President Frank Press of the National Academy of Science.

Henri Sack was a professor of engineering and of engineering and applied physics who figured prominently in the develop-



Erich Bloch

ment of applied and engineering physics and materials science here.

Bloch became director of the NSF in 1984. Before joining the foundation, Bloch was vice president for technical personnel development at IBM.

His honors include membership in the National Academy of Engineering, and fellowships in the American Association for the Advancement of Science and the Institute of Electrical and Electronic Engineers.

National nanofabrication forum to mark anniversary of facility

The impact of researchers' increasing ability to build structures at scales of billionths of a meter will be explored in a national forum here on April 21.

"Nanofabrication: A Vision of the Future" will feature experts on nanofabrication applications from optical circuits to biology. They will discuss the future potential of nanofabrication and policies that will be needed to realize that potential.

The symposium also celebrates the 10th anniversary of the premier national laboratory for research in the field, Cornell's National Nanofabrication Facility. To help mark the occasion, Erich Bloch, director of the National Science Foundation, will deliver an address on science policy.

After registration and a reception the evening of April 20, the forum will take place beginning at 8:30 a.m. on April 21 in 700 Clark Hall with opening comments by William G. Howard Jr., senior fellow of the National Academy of Engineering. Other talks are:

- "NNF in Perspective: Past and Future," Thomas E. Everhart, president, California Institute of Technology.
- "Nanofabrication," Alec N. Broers, professor and head, Electrical Division, Engineering Department, Cambridge University.
- "Nanoelectronics/Photonics," V. Narayanamurti, vice president for research, Sandia National Laboratories.
- "Nanophysics," William F. Brinkman, executive director, Physics Division, AT&T Bell Laboratories.
- "Microstructures on Silicon — A New Dimension for Mechanisms," Richard S.

Muller, Department of Computer Sciences and Engineering, University of California, Berkeley.

- "Biotechnology and Microstructures of the Future," Leroy E. Hood, Bowles Professor and chairman, Division of Biology, California Institute of Technology.

- "International Trade and SEMATECH," Charles E. Sporeck, president and CEO, National Semiconductor Corp.

- "Role of the University in Research," President Frank H.T. Rhodes.

The NNF, directed by Edward D. Wolf, is the only research center of its kind where visiting scientists can build nanometer-dimension devices for experiments in physics and biology and for future generations of computers. The facility is housed in a superclean laboratory in the Knight Laboratory and consists of some 30 machines for building, testing and visualizing tiny structures.

In its first decade, the NNF enabled more than 300 research projects from 50 universities, industrial and federal laboratories throughout the United States. These projects span more than a dozen academic disciplines from plant pathology to astronomy.

Research results from the NNF helped industry to begin to routinely manufacture submicron-scale devices, those whose features measure less than a millionth of a meter. Now, the laboratory has begun concentrating on building structures as small as 25 nanometers (billionths of a meter). This is about 2,000 times smaller than a human hair, or the size of many viruses.

—Dennis Meredith

Briefs

■ **Orientation:** Graduate student volunteers are being sought now to serve as Grad Orientation Advisers in August when new graduate students come to campus for the fall 1988 term. Those interested should contact Sandra E. Wilkins in the Dean of Students Office, 103 Barnes Hall, telephone 255-6858.

■ **Hiring foreign staff:** A workshop for Cornell administrative faculty and staff concerned with the hiring of foreign faculty and academic staff members is scheduled for April 22 from 9 to 11:30 a.m. in Room 401 of Warren Hall. Complex procedures, including visas, employment verification and other relevant issues, will be covered in detail. Currently there are more than 800 foreign academic staff members on campus. For more details, contact the International Students and Scholars Office, 200 Barnes Hall, telephone 255-5243.

■ **Assistant treasurer:** Judith H. Van Gorden became assistant treasurer of the university on March 1, assuming responsibility for capital planning and financing, banking relationships, cash management, risk management and insurance. She is also responsible for the administrative functions of the Investment Office and oversight of outside investment management. Van Gorden succeeds Mary Jo Maydew, now treasurer of Mount Holyoke College in Massachusetts. Van Gorden received a B.S. degree from Purdue University in 1971 and an M.B.A. from The Wharton School in 1977. From 1981 to 1987, she was with Taylor Wine Co. in Hammondsport in budgeting and financial planning.

■ **Breakfast with Rhodes:** Students may sign up for breakfast with President Frank H.T. Rhodes by calling his office at 255-5201.

■ **Meals with Morley:** Employees may schedule a breakfast or lunch with Senior Vice President James E. Morley by calling Human Resources at 255-3621.

■ **Moot court:** The first moot court competition for first-year law students takes place this week in the MacDonald Moot Court Room. Finals are scheduled to start April 16 at 7:30 p.m. Judging the final rounds are George C. Pratt, justice of the Court of Appeals, 2nd circuit, Uniondale, N.Y., James Phillips, justice of the 4th circuit, Durham, N.C., and Law School Dean Peter W. Martin.

■ **The religious right-wing:** Joan Bokaer, director of the Citizen's Network — a part of Cornell's Center for Religion, Ethics and Social Policy — will speak on "The Religious Right's Political Agenda," April 14 at 7:30 p.m. in the Unitarian Church, Buffalo and Aurora Streets.

■ **Pre-Hollywood films:** A total of 69 silent motion picture films made between 1895 and 1915 will be shown at 2 p.m. Sundays starting April 17 and running through May 22 at the Johnson Museum. The series, titled "Before Hollywood: Turn-of-the-Century Films from American Archives," is the result of an extensive restoration program. Admission is free. For details, call 255-6464.

Lipsky continued from page 1

"Bob Doherty has led the school with great vision, intelligence and wit," Barker commented. "The faculty is strong, and applications for admission are up nearly 40 percent from a year ago. The development of innovative outreach programs such as PEWS, the Program on Employment and Workplace Systems, has both strengthened the school's academic programs and demonstrated that labor and management can work together to improve productivity and save hundreds of jobs that otherwise would have left New York State. He deserves our thanks for a job well done."

Lipsky, 48, received a Ph.D. in economics from the Massachusetts Institute of Technology in 1967. He studied engineering at Lehigh University from 1957 to 1958 and earned a B.S. in industrial and labor relations here in 1961.

Before joining the Cornell faculty in 1973, Lipsky taught at the State University

of New York at Buffalo, Boston University, MIT, Harvard University and Brandeis University.

Outside academia, Lipsky has served as consultant to a number of law firms in litigation involving workers' compensation, medical malpractice, product liability and other cases.

Since 1970, he has been a member of the panel of mediators and fact-finders for the New York State Public Employment Relations Board, which has assigned him to numerous public-sector bargaining impasses.

Developing special expertise in labor matters affecting public school teachers, Lipsky has arbitrated about 40 grievances, including disputes between the New York State school districts of Ithaca, Binghamton and Vestal and their teachers' associations. He was the court-appointed referee in two teachers' suits that went to the Supreme

Court of the State of New York.

Lipsky has taught a number of courses involving arbitration and collective bargaining in the public and private sector, labor law, labor history and labor economics. He was co-author or editor of 11 books.

He is a member of the American Economics Association and the Industrial Relations Research Association and is a charter member of the Society for Professionals in Dispute Resolution.

—Albert E. Kaff

Lynn continued from page 1

ber of the Board of Trustees. He presently serves as a nonvoting member of the Trustees' Buildings and Properties Committee. Lynn, who takes office July 1, won out over rural sociology Professor Eugene C. Erickson in a mail balloting by 850 voters — about half the eligible, tenure-track faculty.

Alumni to help celebrate Law School's centennial

More than 150 Law School alumni are expected to attend the school's Centennial Celebration Weekend on April 15 and 16. The event is the climax of a year-long celebration of the school's establishment in 1887.

The weekend will begin with an open house at 2 p.m. on April 15. Law students will conduct alumni on tours of the nearly completed five-story wing being added to Myron Taylor Hall, home of the Law School since 1933. When completed this summer, the wing will hold part of the Law School Library collection, study carrels, and faculty and administrative offices.

Alumni have contributed \$10.3 million to date to the \$20 million capital campaign being conducted to build the new wing and to renovate Myron Taylor Hall. Among those attending this weekend's convocation will be 31 members of the campaign committee, including co-chairs Milton S. Gould, Class of 1933, and Jack G. Clarke, '52.

At the dinner and convocation that will follow in Barton Hall, Peter W. Martin, 12th dean of the school, will preside and will introduce to alumni the incoming dean, Professor Russell K. Osgood. President Frank H.T. Rhodes will speak. Sol M. Linowitz, '38, former ambassador to the Or-

ganization of American States and ambassador-at-large for Middle East negotiations during the Carter administration, will deliver the keynote speech.

On April 16, Rudolf B. Schlesinger, the William Nelson Cromwell Professor Emeritus of International and Comparative Law and a member of the law faculty from 1948 to 1976, will speak at 9:45 a.m. on "One Hundred Years of Legal Education at Cornell" in the MacDonald Moot Court Room. Since retiring from Cornell, Schlesinger has been a professor of law at Hastings College of Law at the University of California.

At 11 a.m., "The Next Century: The Challenge," a panel discussion, will take place in the Moot Court Room. Panelists will be: Barber B. Conable Jr., '48, former member of Congress and currently head of the World Bank; Tyrone Brown, '67, a former member of the Federal Communications Commission and now a partner with Steptoe and Johnson in Washington, D.C.; Roger C. Cramton, dean of the Law School from 1973 to 1980 and now the Robert S. Stevens Professor of Law; and Sheri Lynn Johnson, a member of the faculty since 1981.

What has set Cornell apart from most other law schools since its founding is its

emphasis on grounding legal education firmly in the humanities, Martin said in discussing the centennial observance. Andrew D. White wrote in 1866 that he envisioned Cornell producing "well-trained, large-minded, morally based lawyers in the best sense," and the school's curriculum puts White's vision into practice, Martin said.

Martin pointed to a long history of integrating other disciplines and perspectives into the law curriculum, and to the breadth of the curriculum, particularly its emphasis on the role of law in international affairs. Certain individuals exemplify this tradition, he said. Herbert W. Briggs, the Goldwin Smith Professor Emeritus of International Law, for example, taught international law to undergraduates, graduate and law students from 1929 to 1969.

International and comparative law programs flourished off a Law School base during the tenure of Rudolf Schlesinger and continue today under the leadership of John Barcello III, first holder of the A. Robert Noll Professorship and director of the International Legal Studies Program.

Professor George Hay, law and economics, and David B. Lyons, law and philosophy, add the outlook of their disciplines to teaching and research within the school.

The appointment of Osgood, a legal historian, to the faculty, combined with the affiliation of Professor Clive Holmes, history, strengthened another interdisciplinary link, Martin said. Shortly after arriving at Cornell in 1980, Osgood co-founded the Law and History Review, now the official journal of the American Society for Legal History.

Courses in legal ethics taught by Cramton and by Professor Charles W. Wolfram, law, whose 1986 book, "Modern Legal Ethics," chided lawyers for seeking easy answers to the moral and ethical questions they face, are further examples of putting Andrew D. White's vision into contemporary practice, Martin said.

"We have a superb faculty, perhaps the strongest faculty since the school was founded 100 years ago, and a mature and diverse student body," he said. "We aim to educate these students in the law, but we also give them repeated opportunities to learn how to bring the law to bear on solving important human, social and economic problems. Most of all, I hope, we graduate lawyers who don't just have technical skills, but also have good judgment and sound values."

—Joe Leeming

Fruit fly courtship songs show evolutionary innovation

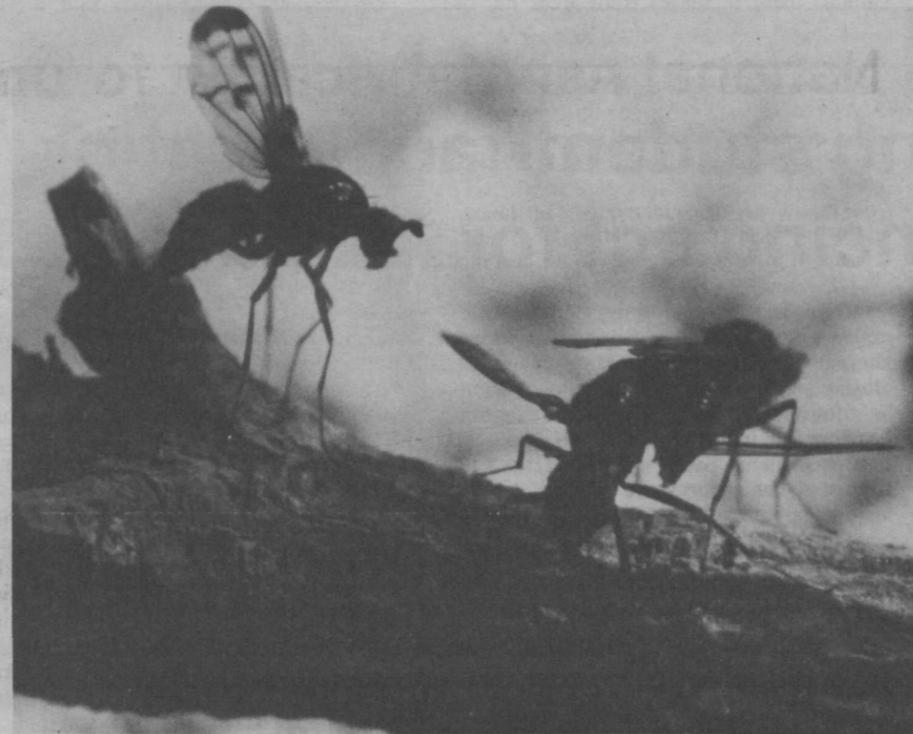
Evolutionary biologists have a new "Darwin's finches" case to use in studying divergence of species now that a Cornell specialist in acoustic behavior has found native Hawaiian fruit flies singing a surprising assortment of courtship songs.

A report in the April 8 issue of Science magazine says that some of the more than 500 species of *Drosophila* (fruit flies) on the Hawaiian Islands make sounds other species on the next island or even the next tree cannot recognize.

"We found some Hawaiian *Drosophila* sounding more like cicadas than flies," said Ronald R. Hoy, a professor of neurobiology and behavior who worked with Anneli Hoikkala of the University of Oulu, Finland, and Ken Kaneshiro of the University of Hawaii, Honolulu, in the first comprehensive recording and analysis of Hawaiian fruit fly songs. "Others are making a complex pulse rhythm more typical of crickets. One Hawaiian species makes a pulse song that resembles the song of *D. melanogaster* (a common North American fruit fly), but it sings with abdominal vibrations — not by vibrating its wings."

From one or two "founder-females" arriving on one Hawaiian island from a continent many millions of years ago, the Hawaiian *Drosophila* has undergone "spectacular adaptive radiation, resulting in the evolution of more than 500 species that are found nowhere else on earth," Hoy, Hoikkala and Kaneshiro wrote in Science. They call the variety of sounds that evolved as fruit flies colonized newly formed volcanic islands of Hawaii "examples of remarkable behavioral innovation."

"The Hawaiian Islands are in unique isolation, 2,500 miles from any continental land mass," Hoy explained. "Organisms there get a new environment every two million years or so with the appearance of a new volcanic island. We have found a Darwin's-finches-type situation, with the reshuffling of genes and behavior and morphology, and very broad species multiplication and radiation."



Ronald Hoy

Singing his best courtship song to a female, at right, a male Hawaiian fruit fly of the species *Drosophila silvestris* faces competition from another male, at left.

The 14 species of Darwin's finches, discovered and studied on the Galapagos Islands by Charles Darwin, illustrate a principle at the foundation of evolutionary theory: adaptive radiation.

Island descendants of the first continental finch on the Galapagos evolved the different behaviors and physical characteristics of distinct species — found nowhere else in the world, yet occupying the same islands — to take advantage of ecological niches in their environment.

Adaptive radiation is one explanation of how speciation (splitting of one species into many) has filled small geographic areas, not to mention the entire planet, with such a

diversity of related-but-distinct organisms.

Courtship songs are of interest to biologists because they show the advantages of unique sounds in attracting and/or persuading a suitable mate. Evolutionary biologists study adaptations in voices and ears in hopes of learning which changed first.

The call of the *Drosophila* led Hoy and his colleagues to trek 6,000 feet above sea level to the chilly cloud forests and treacherous ridges on the sides of extinct and active volcanos. They were looking for the true, native Hawaiian *Drosophila*. The sort of *Drosophila* tourists and island residents see swarming on crushed mangoes in the roads of Hawaii are the same common fruit

flies found on bananas in any mainland supermarket, Hoy noted. He explained that native Hawaiian *Drosophila* co-evolved with the native plants that now are found only on mountain slopes.

According to Hoy, the bugs were worth the climb. Hawaiian *Drosophila* are an amazingly mixed lot: There are an estimated 500 to 700 species, some are as big as houseflies, and many have beautifully colored wings and bodies.

While studying one 106-species family, the picture-winged *Drosophila*, the biologists found that some were making sounds described as click-trains, some were producing complex pulse-trains and others were purring like a cat, in what the biologists called simple pulse-trains. Some were generating simple tone songs, a humming sound. Certain clicking fruit flies in Hawaii are singing in a frequency range far above the voice and hearing capabilities of *Drosophila* living on the continents.

The increasing sophistication of Hawaiian *Drosophila* sounds corresponds to the species' places on the evolutionary ladder, Hoy observed. "Songs, like other measures, are evolutionary footprints," he said, noting that acoustic phylogenies, or lines of descent based on making and receiving sounds, have been constructed in a few insects and birds in only the last 25 years.

"Now we can build an acoustic evolutionary tree paralleling those of morphology and chromosomes" (or form and genetic makeup), Hoy added. "With their distinctive sounds, we can trace the evolution of the *Drosophila* from the oldest islands, in the northwest part of the Hawaiian archipelago, to the newest, in the southeast."

Recording the songs of volcano-dwelling *Drosophila* was only part of the job for the biologists.

"We have not yet determined whether Hawaiian flies can hear any of these signals," they acknowledged.

The studies were supported by the National Institutes of Health and Cornell.

—Roger Segelken

Scholar to discuss university's history

Tiziano Bonazzi, a professor of history and political science at the University of Bologna, will lecture on "The Origins and Transformation of a European University" at 4:30 p.m. on April 18 in the Guerlac Room of the A.D. White House.

Bonazzi's focus will be the history of the University of Bologna, which this year celebrates the 900th anniversary of its founding.

Bonazzi has served as director of the Istituto Storico-politico at Bologna; chairman of the Department of Politics, Institutions and History; and director of the Institute of North American Studies; and is currently editor of *Storia Nordamericana*, a journal of North American history published since 1983.

Gorges unsafe even for rockhounds

Some 12 expert climbers will be traversing the precarious walls of Fall Creek Gorge in a series of training sessions and high-angle rescue drills scheduled for April 18 through 21.

For casual observers who may think it looks like great fun and think they might try it on their own, the experts have three suggestions: "don't," "don't" and "don't."

The admonition was relayed by Gordon W. Maycumber, director of Life Safety Services.

He explained that the climbers will be highly qualified personnel from the Ithaca City Fire Department.

Dan Tillemans, director of Cornell's Outdoor Program and an expert mountaineer who has climbed in the Himalayas in Nepal, said the shale rock in the gorges around Ithaca is extremely dangerous, providing no secure holds or anchorages for climbers.

The firemen will be traversing the walls by anchoring their lines at the top of the gorges.

Over the years, local firemen have been called upon to remove injured persons and even the bodies of persons who fell either accidentally or deliberately into the gorges.

Ambassador to give Arab view of peace

Arab League Ambassador Clovis Maksoud will present an Arab perspective on the future of peace in the Middle East on April 18 at 4:30 p.m. in 110 Ives Hall.

His talk is sponsored by Cornell's Arab Club. There will be a reception in the A.D. White House following the lecture.

Maksoud has been the permanent observer of the League of Arab States to the United Nations and chief representative of the Arab League to the United States since 1979.

The 58-year-old Lebanese diplomat is a lawyer, author and a former editor of newspapers published in Cairo and Beirut. He holds degrees from the American University of Beirut, George Washington University and Oxford University.

Admissions: now the chosen do the choosing

For months, the applications rolled in — reaching a record total of 21,769 for 2,923 freshman places in Cornell's seven undergraduate schools and colleges.

Every sheet of the roughly-quarter-million application pages was read by faculty and admissions staffs at least twice — more likely three or four times.

Now the tables are turned; the students decide.

For the two-week period that began yesterday and ends April 27, about a thousand young people will be ranging over the campus and through its buildings. The visitors, hosted by 800 Cornell student volunteers, will be wearing pins that say "Class of 1992," but that is still their choice to make.

Susan Murphy, the dean of admissions and financial aid for the university, said that Cornell's 5,897 acceptances represent about 27 percent of all applicants, a more selective ratio than last year's 29 percent. She added that lots of decisions will be influenced by the visitors' talks with students and faculty during the two-week visiting period, called Cornell Days.

The new class won't be dramatically different from its recent predecessors; but in analyzing data from the seven schools and colleges, Murphy did note

these highlights of the application/admission process:

- Applications set another record, increasing since last year by almost 5 percent for the same number of freshman slots.

- Applications from members of under-represented minority groups — blacks, American Indians and all Hispanics — rose a dramatic 23.7 percent, from 1,492 to 1,845.

Associate Dean Deborah Pointer noted that this includes a slight increase in black applications, from 992 to 1,006, and an unexplained drop in Puerto Rican applications — mostly from the New York City area — from 308 to 245.

She added, however, that Mexican-American applications, largely from the Southwest, rose from 97 to 127 and that all other Hispanic applications rose from 353 to 423. She said completed applications, acceptances and early enrollments were also up for these minority groups, though much less dramatically. In any case, the final student deadline for responding to acceptances isn't until May 1.

- Foreign applications also rose, from 1,240 to 1,508, as did applications from several U.S. regions — including percentage increases of 4.7 for the Southeast, 7.1 for the mid-Atlantic and 21.2 for the Southwest regions.

Along with raising minority-group applications, these increases from areas out of

the Northeast are important because that region will not have the numbers to supply as many high-quality applicants in the future, according to Murphy. In fact, she noted that applications this year from the New York City area had dropped by 2.2 percent, almost exactly the percentage increase from the Far West.

With the feverish pace of the last three months finally abating, Murphy relaxed the other day in her Thurston Avenue office and reflected on some misconceptions about the way Cornell goes about picking its freshman class.

"Higher numbers of applications alone are not our goal, nor is the actual selection process just statistical," she said.

She added that such mechanical measures as Scholastic Aptitude Test scores and high school grades "are necessary but not sufficient" to assure admission, a fact that results in lots of complaining phone calls this season from parents, students and guidance counselors.

A student with combined verbal and math SATs of 1400 and an A average in high school might be rejected, she said, if he or she indicated no contribution to school or community, no special talents or no real interest in Cornell. Such a student also might be rejected for not indicating any real match of interest or knowledge with the Cornell unit to which he or she applied.

On the other hand, Murphy said, a bor-

derline applicant might be helped over the top by a single detail that may not have been well highlighted in the application but may, perhaps, have been elaborated in the report of an alumni interview.

(Generally, though, interviews count only for those units that require them — alumni interviews for the School of Hotel Administration and the College of Architecture, Art and Planning and admission office interviews by those two schools plus the College of Human Ecology.)

Murphy asserted that "the proof of our interest in more than mechanics is that 25 percent of our applicant pool are in the top 2.5 percent of their high-school classes and 50 percent are in the top 6 percent. Yet our most recent freshman profile shows 78 percent from the top 10 percent of their classes. If we were to act strictly by the numbers, we'd have a narrower profile."

But Cornell values a farm background, community service, special talents, motivation, and diversity of background and geography — "without, however, dropping our academic standards," she added.

For another year, the alchemy of selection is completed.

Now the chosen get to choose.

— Sam Segal

Ever-changing student-faculty ratio creates balancing act for Arts dean

If a dean could run shape-ups, like a foreman looking for stevedores, then undergraduate instruction might be kept in blissful balance.

The dean, after getting final enrollment figures, could go down to the docks and shout: "I need two for medieval history, three for writing seminars, two for freshman math." The recruits would pile into a van, head for the Arts Quad and start teaching class sections of equal and optimal size.

This can't work, of course, because teachers are not skilled laborers who can be produced on demand. An even more serious problem is that the funds to secure these skilled teachers must be allocated well before anyone knows what the enrollment figures will be.

This perennial nationwide problem is intensified by a recent trend toward more liberal-arts "grazing" by profession-bound students. As a result, academic administrators coast to coast are scrambling to predict the unpredictable and to keep a happy balance between student demand and faculty supply.

If a balance can't be struck, some schools may have to choose between limiting access to courses or changing the traditional form in which those courses are given.

Although advance enrollment gives a good idea of how many students plan to take which courses, the difference between "idea" and reality is enough to close some students out of courses and to crowd some lecture halls and classrooms.

Sometimes, there can be last-minute recruitment for teachers of extra class sections; such recruits are usually uncommitted graduate students, who become teaching assistants (TAs). But it is generally necessary to have at least a semester's notice to make such assignments.

These balancing problems are most likely to arise in the liberal-arts units of universities with multiple undergraduate colleges, according to Geoffrey Chester, dean of the College of Arts and Sciences.

"Despite Harvard's size, virtually all its undergraduates are in Harvard College, and numbers are more predictable," Chester said. "But Cornell — and places like Michigan, Berkeley or U.C.L.A. — can't know from year to year, or from semester to semester, how many out-of-college students will be enrolling for courses in liberal arts."

Chester hopes that better planning — allowing earlier funding and more precise enrollment estimates — can keep a healthy balance between student demand and teacher supply.

If not, academic administrators at some major universities may begin considering alternatives with built-in flexibility to avoid closing out courses, he said.

Alternatives might include two-tier teaching, in which non-majors or out-of-college students could attend lectures and have personal teacher contact on writing assignments but might not have the class sections that majors or Arts College students would have. Thus, if engineering students suddenly rushed to take a government course, their interest could be satisfied with less need for last-minute hiring.

Chester emphasized that such alternatives are not under consideration at Cornell, but he said revisions of the lecture/class-section format are increasingly discussed by deans and faculty leaders concerned with the balance problem.

The Arts College has 4,000 undergraduates admitted directly into it. Another 2,000 or so students from the Colleges of Agriculture and Life Sciences, of Architecture, Art and Planning, of Engineering, of Human Ecology and the Schools of Hotel Administration and of Industrial and Labor Relations also pop in for courses.

Along with nationwide student interest in emerging from college with a profession, there is a clear rise in enrollment in liberal arts courses. At Cornell, the number of credit hours taught in the College of Arts and Sciences has gone up 13 percent in 10 years, while the credit-hour increase for the entire university has been less than 6 percent and includes declines at some colleges.

The Arts College has been criticized periodically for not having enough teachers to meet student demand. Chester acknowledged that the unpredictable, rising demand has created occasional shortages — particularly of TAs — but said the chief culprit is neither indifference nor lack of money. Rather, he blames the inevitable time lag between the allocation in winter of teaching budgets and the final enrollment figures at the start of each semester of the next academic year.

Cornell's own balancing act was complicated this year by an underestimation of about 3 percent of the total undergraduate population. An extra 370 students make a difference.

One way to measure whether undergraduates get enough attention from faculty is the "student-faculty ratio," a phrase that, at best, is uninformative.

If one considers all undergraduates on the Cornell campus and all tenure-track faculty members involved in their instruction, Cornell comes in about equal to its Ivy

League peers with just over an 8-to-1 ratio — almost 12,700 students and 1,560 teachers.

Comparing Arts and Sciences undergraduates with tenure-track faculty in that one college yields about the same ratio — with 3,999 students divided by 485 teachers.

Of course, both these numbers are a little murky — as they are at most universities — because faculty members differ widely in the number of students they meet and how they teach them. Even the question of what constitutes a full work load varies widely among departments within Arts and Sciences, according to Kathleen Gemmell, the college's director of planning and policy analysis.

But in measuring the student-faculty mix, there is an even greater problem: What weight should be given to the teaching done by people who are not filling tenure-track lines? In the Arts College, they include 560 TAs and 120 people with the titles of lecturer, senior lecturer or instructor.

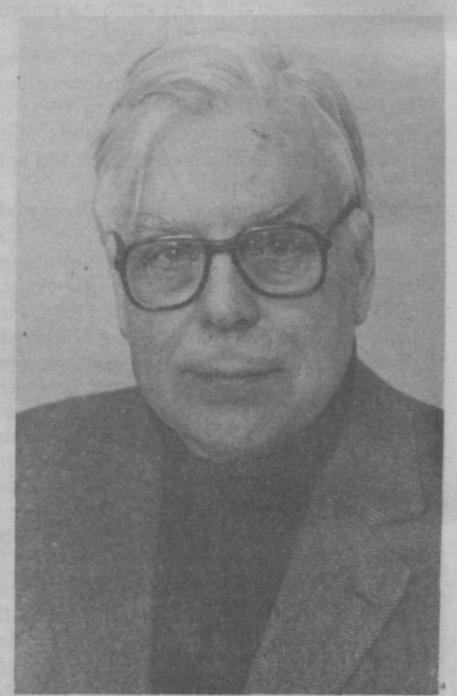
Tenure-track lines, which are authorized by the central administration and filled mainly by voting faculty of individual departments, can't be expanded quickly to meet temporary teaching needs. Selection takes far too long, and budget-conscious universities can't add permanent faculty lines lightly. Until recently, temporary gaps often were filled by lecturers and instructors who had full academic qualifications but accepted the fact that permanent lines were not available, Chester said.

"But those pools are drying up now because the academic marketplace that was relatively closed from the '60s to the '80s is opening up," he explained. "Five years ago, there was no problem finding such people to teach math and English, for example; now there is."

As a result, it is the graduate-student TAs on whom most of the last-minute teaching assignments fall.

Cornell TAs may teach three 20-student sections per semester, one 17-student freshman writing seminar or combinations of labs and class sections — all under supervision of regular faculty. If TAs receiving the maximum stipend are considered full time, then there are the equivalent of 466 full-time TAs in the college. That does not help much, however, in fitting TA workloads into an overall "student-faculty ratio."

As for the 120 lecturers, senior lecturers and instructors — who also have varied teaching loads and terms of appointment — Gemmell makes the rough estimate that they make up about 100 full-time-equiva-



Claude Levit

Geoffrey Chester

lent teachers.

If you add these 100 to the 485 tenure-track faculty and make the conservative assumption that an average "full-time" TA carries one-third the load of a full-time professor (counting the 466 TAs as 155 full-time teachers), then the college has 740 full-time teachers. If you divide that into the approximately 6,000 students taking Arts and Sciences courses, this version of the "student-faculty ratio" comes out to about 8.1 to 1.

But these overall ratios mean little to the student who is closed out of a course; and Chester is working with Provost Robert Barker to minimize the disappointments.

The central administration already has pledged an extra \$1.3 million — above a teaching budget of about \$33 million — so Chester can add instructors for the 1988-89 academic year. If Arts and Sciences chose to spend all of that on full-time TAs, that sum would pay for about 65 — including maximum teaching stipends and graduate-school tuition costs.

Barker noted that, if imbalances persist at the last minute, the college could limit out-of-college enrollment, a fall-back position that Chester has passed on to departments. Chester also has assigned first priority to required courses, such as freshman writing and engineering mathematics.

Barker said there is ample precedent for colleges and departments to set access priorities, noting that a communications course in the College of Agriculture and Life Sciences not only limits enrollment to 30 but also usually restricts 20 of those places to departmental majors.

— Sam Segal

Rhodes, Bush confer on educational issues

President Frank H.T. Rhodes was one of four leading educators who discussed educational issues last week with Vice President George Bush, and Rhodes told reporters at a follow-up news conference here on Friday that he stressed the importance of graduate-student prosperity if university science is to provide the fuel for improving America's economic competitiveness.

Only when education is seen as a national investment — to which the federal government commits itself from preschool to postgraduate levels — can America produce the work force needed for the high-technology future, Rhodes said.

"I was impressed that he understood the urgency of the problem," he said of the vice president.

Rhodes participated in the 45-minute meeting in Washington as immediate past chairman of the American Council on Education, along with John Toll, president of the University of

Maryland; Robert H. Atwell, ACE's president; and William C. Friday, president emeritus of the University of North Carolina. Friday was chairman of the commission that produced "Memorandum to the 41st President of the United States," an ACE report discussed at the meeting.

Rhodes emphasized that each of the presidential candidates was targeted for such a meeting at which the ACE report could be aired. He also made it clear that no endorsement of Bush was sought or could be inferred from the meeting, on the one hand, and that the vice president had refrained from making any commitments to the educators, on the other.

Nevertheless, Rhodes said Bush "was serious about his interest." He noted that Bush's adviser on domestic policy, Charles Greenleaf, was with the vice president and that Bush repeatedly "interrupted, seeking to get more information and background."

They discussed the critical importance of research to the nation's well-being, the

urgent need for federal funds to support research facilities, and the "terribly misguided" federal policy of taxing income of graduate students and teaching assistants, Rhodes said at the news conference.

He noted that, at the very time we suffer a dearth of graduate students in the sciences and engineering (half of the Ph.D. students in U.S. engineering schools are foreigners), the Tax Reform Act of 1986 introduced taxation on the stipends of graduate students and on cash payments from universities to teaching assistants. Although the tax has a chilling effect on present and potential graduate students, it "produces only a trivial amount" for the U.S. Treasury, Rhodes said.

He reported that another matter stressed during the meeting with the vice president was the need to liberalize federal financial aid. He said seven years of President Reagan's reductions — and emphasis on loans rather than grants — had had a "particularly devastating result" on minority students, discouraging them from

taking on the large debt that would result from further study under those conditions.

Even with improved financial incentives for students, America faces a "competitive disadvantage" because of the decline of facilities, Rhodes asserted. He told the news conference that constant-dollar federal support for campus facilities and instrumentation has declined 95 percent since the mid-1960s; and at Cornell, as elsewhere, "both teaching and research labs have fallen behind."

Even if proper attention is given to students and facilities, economic success also will require that much less of the government's research and development outlays go to the military than the current 40 percent, Rhodes said.

Like our economic competitors, we must put more into research that is more likely to benefit our national competitiveness, he said.

— Sam Segal



Doug Hicks

Manuel Schiffres, left, associate editor of Changing Times magazine, talks with Keith Johnson, a member of Fortune's board of editors, during the College of Arts and Sciences' Alumni Career Fair, April 8.

Alumni offer students advice during Arts College Career Fair

Three hundred liberal arts students were offered a new perspective on the value of their degree in the world of work from a panel of alumni who recounted professional experiences at the College of Arts and Sciences' first Alumni Career Fair, April 8.

The keynote speaker was Keith Johnson, Class of 1956, a member of Fortune magazine's board of editors, and a former foreign and political correspondent. He assured students that many prospective employers know that a liberal arts degree produces "people with breadth who can draw on a wide range of intellectual experience and focus it on the problem at hand."

Johnson advised them that an employer would look for "some evidence of seriousness about the trade you wish to ply and some familiarity with the requirements of that trade."

The students broke into five groups to attend alumni roundtables in five career areas: banking and financial services, business management, publishing and journalism, advertising and marketing, and non-profit organization.

"Our goal was to show undergraduates the relationship between the liberal arts curriculum and the real world," said Jane E. Levy, assistant director of the career center and organizer of the program.

"We invited alumni who represent a variety of career fields to talk about how their liberal arts degrees benefited them in developing their careers, and to discuss specifically what their responsibilities are, the advantages and drawbacks of their field, and what personal attributes are necessary for

success."

Levy said she received "very positive feedback from students whose concerns were allayed when they heard alumni talk about the skills developed at college that helped them in their careers."

Bonnie Buettner, an assistant dean of the college, introduced the program. Later, she said she was told by students that "it helped them put things into perspective about their education and what they should be expecting from themselves here. And it also had a positive benefit for the alums, who were very enthusiastic about having an impact on the students' education here."

Anne Czaplinski, '89, an English major who keeps "hearing from my engineering friends about how good their prospects are for a starting job," learned from the career fair about how to break in to her recently chosen field of interest, book publishing.

One way young people have done it, she heard, was "you have to start doing clerical work and move up from there." Another tip was to start reading trade publications such as Publisher's Weekly.

Carolyn Day, '89, an economics and international relations major who would like to work for a company that does business with Japan, said, "It was particularly useful to listen to Karen Rupert Keating, a woman who has been successful in the banking field, which was once all male," she said. "The variety of the panel by age group lent a broad perspective, as did the representation of several aspects of banking, investment as well as consumer."

— Irv Chapman

Women in business to outline their challenges, opportunities

A woman airline pilot and four women business executives will discuss problems faced by working women in a panel program on April 16.

The program, entitled "Women in Industry," will take place in Room 120 of Ives Hall from 9:30 a.m. to noon. It is sponsored by the School of Hotel Administration.

Panel speakers will be:

- Bettina Fitzsimons, a pilot for American Airlines, Chicago.
- Kay Heder, vice president of marketing for the Meridien Hotels, New York.
- Suzanne Mellen, managing partner in Hospitality Valuation Services, San Francisco, and a 1976 graduate of the Hotel School.

- Laurie Milnor, president of Focal Chord Productions, St. Louis, a 1975 graduate of the Hotel School.

- Marcia Rafiq, general manager of the Penn Tower Hotel, Philadelphia.

The discussion will be moderated by Maureen C. McKenna, director of continuing education in the Hotel School and a former teaching assistant in the course that is sponsoring the program, The Management of Human Resources.

Donal A. Dermody, a professor of hotel administration, said the panel members will discuss comparable worth, the female entrepreneur, commuter marriages, child care, minority women, shared household duties, sexual harassment and equal opportunity.

— Albert E. Kaff

Former Nakasone adviser to discuss Japan's future

A Japanese academic specialist on military security issues will deliver two lectures on April 18 and 21 as the third annual Mitsui Fellow-in-Residence in the university's East Asia Program.

Masataka Kosaka, a professor in the faculty of law at Kyoto University, will discuss his nation's immediate past prime minister, Yasuhiro Nakasone, and U.S.-Japan relations. The schedule:

- April 18 — A lecture, "Nakasone and Beyond: Reflections on Japan's Presidential Prime Minister," at 4:30 p.m. in Room 230 of Rockefeller Hall.

- April 21 — The Mitsui Forum keynote address, "The Unique Connection: U.S.-Japan Relations in a Changing World," at 4:30 p.m. in the Bache Auditorium of Malott Hall, followed by a panel discussion until 6:15 p.m.

Kosaka served as one of Nakasone's advisers on security issues during the prime minister's term, which ended last November, and has written works on Japanese military strategy, defense policy, domestic

politics and the history of postwar Japan.

Kosaka, 54, graduated from the department of law at Kyoto University in 1957 and joined the faculty of that department two years later. He became a full professor in 1970. He did research at Harvard University from 1960 to 1962 and conducted further research on Japan's security policy at the International Institute for Strategic Studies in London.

Panelists who will discuss U.S.-Japan relations with Kosaka are Ellen Frost, director of government programs (U.S.-Japan Relations) for Westinghouse Electric Corp., and Walter LaFeber, the Marie Underhill Noll Professor of American History and a specialist on U.S. foreign policy.

T.J. Pempel, professor of government specializing in Japanese political issues, will moderate the forum.

Mitsui & Co. (U.S.A.) Inc., which is owned by one of Japan's huge business and industrial groups, funds the five-year fellow-in-residence program and forum.

— Albert E. Kaff

Gorge clean-up needs more helpers

Cornell Plantations is seeking volunteers to help remove debris from the two gorges that border the campus as part the April 16 citywide Ithaca Centennial Clean-up program.

Hundreds of volunteers will be giving the area a 100th-birthday housecleaning between noon and 3 p.m. In case of rain, the clean-up will be postponed to the next day.

Individuals and organizations wishing to help should contact Hal Martin or Linda Emmick at Cornell Plantations, telephone 255-3020.

Others wishing to join one of nine area clean-up teams in the city or to form a new neighborhood team should contact the Ithaca Centennial Office at 108 East Green St., 272-8873, or call either Bud Gerkin at 273-4596 or Charlotte Stone at 272-4200.

Gorge volunteers are advised to wear rubber or sturdy hiking boots and bring gloves. Plantations staff will provide garbage bags, rakes, shovels and directions for special problem areas.

Cornell Plantations manages the natural areas owned by the university.

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.

A weekend workshop of Greek folkdances, taught by Joe Koloyanides Graziosi, will be held April 16, 10 a.m. to 12:30 p.m. and 2 to 4:30 p.m. and April 17, 11 a.m. to 1:30 p.m. in Martha Van Rensselaer. Admission is \$17, or \$4.50 per session. For information call 257-3156 or attend a get-acquainted party April 15 in the North Room, Willard Straight Hall.

Israeli Folkdancing

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

EXHIBITS

Johnson Art Museum

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

"Bryan Hunt: Falls and Figures," an exhibition featuring some 30 drawings and 20 bronze sculptures spanning Hunt's evolution from abstract water images to more figurative forms, through May 22.

"Jon Haggins: A Designer and His Dresses," featuring 15 original evening gowns and related drawings by the New York City designer, a selection of graphics, including covers of "Cosmopolitan" and illustrations and articles from other magazines and newspapers, and a video tape showing Haggins' garments in motion, through April 24. Co-sponsored by the Cornell Council of the Creative and Performing Arts, Department of Textiles and Apparel and College of Human Ecology.

"Windows to Heaven," an Art Break on the art of making icons, by Gregory Melnick, iconographer, April 14, 4:30 p.m. The history and religious significance of icons in the Russian Orthodox tradition will be discussed, along with a demonstration of the basic techniques of icon painting.

"A Walk With Buddha," a free lunchtime tour examining Chinese and Japanese devotional objects, April 14, beginning at noon.

Uris Library

"U.S. Hispanics' Contributions to the Development of North American Culture," on view through May 15, Uris Library. Sponsored by the Hispanic American Studies Program.

Willard Straight Hall Art Gallery

"Island Images: Portrait of a People," through April 22, Monday-Saturday, 9 a.m. to 9 p.m.; Sunday, 10 a.m. to 9 p.m. Sponsored by the Hispanic American Studies Program.

FILMS

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

Thursday, 4/14

"Nosotros, El Pueblo De Puerto Rico" ("We, the People of Puerto Rico"), Hispanic American Studies Program, 4 p.m., art gallery, Willard Straight Hall.

"Village Man, City Man," South Asia Program, Documentary Film Series, 5 p.m., 310 Uris Library.

"Bright Eyes" (1984), directed by Stuart Marshall, co-sponsored by Noyes Center, 4:30 p.m., Noyes Lounge.

"The Great Ecstasy of the Sculptor Steiner" (1975), a documentary by Werner Herzog, and "Package Tour" (1984), by Gyula Gazdag, 8 p.m., Uris Hall. Sponsored by the Arts College Pentangle Program.

Friday, 4/15

"Law With Two Phases" (1984), directed by Danny Lee, with Danny Lee and Ngai Dick, co-sponsored by the East Asia Program, Hong Kong Students Association, Chinese Students Association and Singapore Club, 4:30 p.m., Uris.

"The Man Who Would Be King" (1975), directed by John Huston, with Sean Connery and Michael Caine, 7 p.m., Uris.*

"The Running Man" (1987), directed by Paul M. Glaser, with Arnold Schwarzeneg and Richard Dawson, 8 p.m., Anabel Taylor.*

"Aria" (1988), directed by Robert Altman, Bruce Beresford, Jean-Luc Godard, Derek Jarman, Nicolas Roeg and Ken Russell, with Theresa Russell, Julie Hagerty and Genevieve Page, 9:45 p.m., Uris.* Advance sale at Uris Box Office, W-F 12:15-4 p.m.

"Decline of Western Civilization" (1981), directed by Penelope Spheeris, with Black Flag, X and Fear, midnight, Uris.*

Saturday, 4/16

"Aria," 7:30 p.m., Uris.*

"The Running Man," 7:30 p.m., Anabel Taylor; 9:45 p.m., Anabel Taylor.*

"Aria," 9:45 p.m., Uris.*

"Decline of Western Civilization," midnight, Uris.*

Sunday, 4/17

"Aria," 8 p.m., Uris.*

"The Man Who Would Be King," 4:30 p.m., Uris.*

"Before Hollywood I: An Age of Entertainment 1895-1904," 29 short films, including the Edison Company's "Trapeze Disrobing Act," Vitagraph's "A Visit to the Spiritualist" and "Burglar on the Roof," co-sponsored by CCPA, 2 p.m., Johnson Museum.

Monday, 4/18

"Love Unto Wastes" (1986), directed by Stanley Kwan, with Tony Leung and Chan Yun Fat, co-sponsored by East Asia Program, Hong Kong Students Association, Chinese Students Association and Singapore Club, 4:30 p.m., Uris.

"The Apartment" (1960), directed by Billy Wilder, with Jack Lemmon, Shirley MacLaine and Fred MacMurry, 8 p.m., Uris.*

Tuesday, 4/19

"Siempre Estuvimos Aqui," ("We Were Always Here"), Hispanic American Studies Program, 4 p.m., art gallery, Willard Straight Hall.

"Harold of Orange" (1983), directed by Richard Weise and "Contrary Warrior" (1983), directed by Connie Poten, co-sponsored by the Native American Students Association, 4:30 p.m., Uris.

"The Cutting Edge: Portraits of Southeast Asian Adolescents in Transition" (1983); "Rebirth of Culture: A Lao Temple in the Midwest" (1984), Southeast Asia Film Series, 4:30 p.m., 310 Uris Library.

"The Legend of Suram Fortress" (1985), directed by Sergei Paradjanov, with Dodo Abashidze and Zurab Kipshidze, co-sponsored by the Russian Society, 8 p.m., Uris.*

Wednesday, 4/20

"Los Do Mundos De Angelita," ("The Two Worlds of Angelita"), Hispanic American Studies Program, 4 p.m., art gallery, Willard Straight Hall.

"The ADS (Acquired Dread of Sex) Epidemic and Other Tapes," with visiting artist John Greyson, co-sponsored by Noyes Center, 8 p.m., Uris.*

Thursday, 4/21

"Compilation," Hispanic American Studies Program, 4 p.m., art gallery, Willard Straight Hall.

"Passion" (1986), directed by Silvia Chang, with Lam Tse-Cheung and Cora Miao, co-sponsored by East Asia Program, Hong Kong Students Association, Chinese Students Association and Singapore Club, 4:30 p.m., Uris.

"Courts and Councils," South Asia Film Series, 5 p.m., 310 Uris Library.

"Fire From the Mountain" (1987), directed by Deborah Shaffer and "The Centerfielder" (1985), sponsored by CUSLAR, 8 p.m., Anabel Taylor.

"The Big Clock" (1948), directed by John Farrow, with Ray Milland, Charles Laughton, Maureen O'Sullivan and Rita Johnson, sponsored by the Arts College Pentangle Program, 8 p.m., Uris.

LECTURES

A.D. White Professors-at-Large

"Photography: Means and Ends," John Szarkowski, director, Department of Photography, Museum of Modern Art, New York City, and Andrew D. White Professor-at-Large, April 18, 8 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Arab Club

"Future of Peace in the Middle East: An Arab Perspective," Ambassador Clovis Maksoud, the permanent observer of the League of Arab States to the United Nations and chief representative of the Arab League to the United States, April 18, 4:30 p.m., 110 Ives Hall.

Catholic Studies

"The Pastoral Letter of the U.S. Catholic Bishops on the Economy," Rev. Charles Curran, the Rachel Rebecca Kaneb Visiting Professor of Catholic Studies, April 20, 7:30 p.m., Anabel Taylor Hall auditorium. This is the last in the series, "Catholic Moral Theology Today."

Chemistry

"Inorganic Chemistry Related to Biological Processes," Richard H. Holm, Harvard University, part of the 1988 Baker Lecture Series, April 14, 19 and 21, 11:15 a.m., 119 Baker Laboratory.

Cornell Biblical Christians

"How Do You Know You're Right About God?" Robert C. Newman, April 15, 7:30 p.m., Memorial Room, Willard Straight Hall.

Cornell Graduate Christian Forum

"The Successes and Seductions of Christian Politics in America," Mark A. Noll, April 14, 8:15 p.m., 135 Emerson Hall.

"The Successes and Seductions of Christian Politics in America," Mark A. Noll, April 15, 8:15 p.m., 135 Emerson Hall.

Education

"Involving the Community of Learners: Responsibility, Integrity and Standards," student/faculty panel presented by Professor Egner's Education 240, "The Art of Teaching" class, April 18, 4:14 p.m., W.I. Myers Seminar Room, 401 Warren Hall. Part of the lecture series "Teaching in a Changing World—Dilemmas and Challenges."

English

"A Language for American Landscape," Alfred Kazin, Newman Professor of American Civilization, April 20, 4:30 p.m., A.D. White House.

"Copy or Copia: Fathers, Sons, and Others," Patricia Parker, University of Toronto, the 1988 Paul Gottschalk Memorial Lecture, co-sponsored by the University Lectures Committee, April 21, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

German Literature

"Capital Punishments: Violence in the Grimms' Tales," Maria M. Tatar, Germanic Languages and Literature, Harvard University, April 15, 4:30 p.m., 156 Goldwin Smith Hall.

History

"The Origins and Transformation of a European University," Tiziano Bonazzi, History and Political Science, University of Bologna, April 18, 4:30 p.m., Guerlac Room, A.D. White House.

Near Eastern Studies

"Is Saul Among the Prophets?" Adele Berlin, University of Maryland, April 20, 4:15 p.m., 374 Rockefeller Hall.

"Modes of Rationality in Medieval Jewish Thought," Alfred Ivry, Brandeis University, April 21, 4:15 p.m., 374 Rockefeller Hall.

Physics

"The Superconductor Super Collider," Chris Quigg, deputy director of Operations of the SCC Design Group, Lawrence Berkeley Laboratory, April 18, 4:30 p.m., Rockefeller A., Rockefeller Hall.

Society for the Humanities

"Race and the Humanities Conference," April 15-16. All sessions will be held in 700 Clark Hall. For more information call 255-9276. Friday's program includes an introduction by Dominick LaCapra; opening remarks, Henry Louis Gates Jr.; "A Black New World," Jose Piedra, Yale University; "Beyond the Limit: The Social Relations of Madness in Southern African Literature," Stephen Clingman, University of Witwatersrand; "Black, White or Brindle? — Distinguished Australian Identities," Tamsin Donaldson, Australian Institute of Aboriginal Studies; "Autoethnography: Zora Neale Hurston," Francoise Lionnet-McCumber, Northwestern University; "Apes, Aliens, Cyborgs and Women: Feminist Theory and Colonial Discourse," Donna Haraway, Institute for Advanced Study, Princeton and University of California, Santa Cruz; "The Color of Politics in the United States: White Supremacy as the Main Explanation for the Peculiarities of American Politics from Colonial Times to the Present," Michael Goldfield, Cornell.

Saturday's program includes "Appropriating the Ideas of Science: Race and the Strategies of Resistance," Nancy Leys Stepan, Columbia University; "This Pass Business: The Family and Resistance in 'Poppie Nongena,'" Anne McClintock, Columbia University; "Contesting the Dominant Other: The Case of the Francophone North African Writer," Samia Mehrez, Cornell; "Kipling's Children and the Color Line," Satya Mohanty, Cornell; Abdulrafiu Babatunde King, Juju Preacher: Popular Music, Cultural Brokerage, and Urban African Identity in Inter-War Lagos, Nigeria," Christopher A. Waterman, University of Washington; "Mama's Baby, Papa's Maybe: An American Grammar Book," Hortense Spillers, Haverford College; and concluding remarks by Anthony Appiah.

South Asia Student Association

"The Politics of Economic Liberalization in India," Atul Kohli, Government and the Woodrow Wilson School, Princeton University, April 14, 12:15 p.m., 360 Uris Hall.

Southeast Asia Program

"Recent Trends in Burma," John Badgley, curator, Echols Collection, Cornell, April 14, 12:20 p.m., 102 West Ave. Ext.

"Politics in Bali," Geoffrey Robinson, SEAP grad, Government, April 21, 12:20 p.m., 102 West Ave. Ext.

Theory Center

"Supercomputing in the Theory of Alloys," Anders Carlsson, physics, Computer Laboratory, Washington University, Saint Louis, MO., April 14, 1:30 p.m., 200 ILR Conference Center.

Western Societies Program

"The Social Context of Politics," Ralph Miliband, visiting professor, City University of New York, April 14, 4:30 p.m., 22 Goldwin Smith Hall.

"The Development of Greek Dance," Joe Kaloyanides Graziosi, co-sponsored by Western Societies, April 15, 2:30 p.m., G08 Uris Hall.

"The Financial Origins of the Early Modern State in France," Alain Guery, (EHESS, CNRS), April 15, 12:15 p.m., 153 Uris Hall.

"New Social Movements in a Changing Society: Italian Feminism in the 1970s and 80s," Judith Hellman, York University, April 15, 4:30 p.m., 153 Uris Hall.

"The Sacred and the Profane: Ceremony and the French Monarchy from the Mid-15th through the Mid-17th Centuries," Alain Guery (EHESS, CNRS), April 18, 12:15 p.m., 201 A.D. White House.

"Stimuli for Scientific Technological Advance: Plastics, A Case Study," Morris Kaufmann, North London Polytechnic Institute, April 21, noon, faculty commons, Martha Van Rensselaer.

Women's Studies Program

"Concepts of Parenthood: Baby M and Reproductive Choice," Nadine Taub, Rutgers University School of Law, co-sponsored by the Law and Society Program, April 14, 4:30 p.m., Kaufmann Auditorium Goldwin Smith Hall.

"Race, Gender and the Development of Biological Theory," Anne Fausto-Sterling, Medical Sciences, Brown University, co-sponsored by the Department of Genetics and the Program on Science, Technology and Society, April 20, 4:30 p.m., Hollis E. Auditorium, Goldwin Smith Hall.



Presa Russell as King Zog in Nicholas Roeg's segment of "Aria," which Cornell Opera will show this weekend. Tickets on sale in advance at the Uris Box Office.

MUSIC

Band for Glory

Dancy Tucker, topical songs, April 17. Band for Glory presents three live sets, at 9:30 and 10:30 p.m., most Sundays at the Commons Coffeehouse, Anabel Taylor Hall. Admission is free. The show can be heard at 8 to 11 p.m. on WVBR-FM93.

Commons Coffeehouse

Betsy Rose, a leading figure of women's music, April 18, 8 p.m., Commons Coffeehouse, Anabel Taylor Hall. The performance celebrates the release of Rose's new album "Songs Against the Sky." Tickets \$4 in advance, \$5 at the door (\$4 students and senior citizens). Earlier that day Rose will be the guest for "Conversations in the Commons," for an informal discussion of building bridges through women's music, 4:30 p.m., Commons Coffeehouse.

Cornell Folk Song Club

Sally Rogers, singing contemporary songs and ballads either a capella or accompanying herself on mountain dulcimer, guitar or banjo, April 23, Kaufmann Auditorium, Goldwin Smith Hall. Advance tickets are available at Commons Coffeehouse, Anabel Taylor Hall, Rebob Records, and Borealis Books.

Cornell India Association

A classical Hindustani santoor recital by Anand Shiv Kumar Sharma, accompanied by Anand Zakir Hussain on the tabla (drums), April 18, 7:30 p.m., Anabel Taylor Hall. Tickets \$5 are available at the Sangam Restaurant. For more information call Mona Singh, 253-2607 or Raj Datta, 253-2607.

Department of Music

Harry Harris, reknown jazz pianist and leader of the Bebop Flame, will direct the Cornell Jazz Ensemble in a concert on April 18 at 8:15 p.m., Barnes Hall auditorium.

Harris also will conduct a workshop on jazz improvisation and band section work on April 16, at 2 p.m., in Barnes Hall auditorium.

George E. Damp, Class of 1964 and M.A. in musicology, will perform works for organ, April 15, at 8:15 p.m., in Sage Chapel.

Joyce Lindorff, a member of the music faculty as a Mellon postdoctoral teaching fellow, will perform harpsichord music old and new in a solo recital, April 17, 4 p.m., Barnes Hall auditorium.

Amy Huang will perform as soloist in a student piano recital, April 20, 8:15 p.m., Barnes Hall auditorium.

Monique Cho will give a student piano recital, April 21, 8:15 p.m., Barnes Hall auditorium. Featured composers will include Debussy, Grieg (with two pianos), Beethoven and J.S. Bach.

Hillel Foundation

Nurit Galron, an Israeli singer, will perform April 18, 7:30 p.m., in Anabel Taylor Hall auditorium in celebration of Israel's 40th birthday. Galron has performed at jazz festivals, rock concerts and as soloist with the Cameri Orchestra. Tickets at \$5, \$4 for students are on sale at the Hillel office, Anabel Taylor, Temple Beth-El, Rebob Records and at the door.

Johnson Museum

Pianists Monique Cho, Sabine Vinck and Karen Sams and flutist Stacey Pelinka will give a concert April 16, at 2 p.m. in the lecture room of the Johnson Museum.

READINGS

Robert Chasen Memorial Reading

Poet James Tate, author of "The Lost Pilot," "Absences," and "Constant Defender," will deliver the Robert Chasen Memorial Reading on April 19, at 4:30 p.m. in Hollis E. Cornell Auditorium, Goldwin Smith Hall.

RELIGION

Sage Chapel

Steven T. Katz, Program of Jewish Studies, will be the preacher at the Sage Chapel interfaith services April 17, beginning at 11 a.m.

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 6:00 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.

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

Africa Research Group

"Rodale International's Program in Africa," Michael Sands, director, Agricultural Sciences, Rodale International, April 14, 2:30 p.m., 401 Warren.

Agronomy

"Solution and Surface Reactions of Manganese in Soils," Wendell A. Norvell, Agronomy, Cornell, April 19, 4 p.m., 135 Emerson.

Applied Mathematics

"Nonlinear Elliptic Equations and Twisting of Degree," Mike Fitzpatrick, University of Maryland, April 15, 4 p.m., 322 Sage Hall.

"Mechanics of Elementary Matter, Part II," Richard Toupin, IBM Alneden Research Center, April 14, 4:30 p.m., B 11 Kimball.

Astronomy

"Teaching Old Spacecraft New Tricks," Robert Farquhar, Goddard Space Flight Center, April 14, 4:30 p.m., 105 Space Sciences.

Biochemistry, Molecular and Cell Biology

"Mechanism of Adaptation: Its Role in PMN Chemotaxis," Sally H. Zigmond, Biology, University of Pennsylvania, April 15, 4:30 p.m., 204 Stocking Hall.

Biophysics

"The Role of Structure in Protein Activation by Ligand Binding," Dr. Harel Weinstein, Physiology and Biophysics, Mount Sinai School of Medicine, April 20, 4:30 p.m., 700 Clark Hall.

Boyce Thompson Institute

"Genetic Regulation of Fungal Development," William E. Timberlake, Genetics, University of Georgia, April 20, 2 p.m., auditorium, Boyce Thompson Institute.

Chemical Engineering

"Laser Doppler Measurements of Viscoelastic Flow through an Axisymmetric Contraction," Susan Mueller, AT&T Bell Labs., April 19, 4:15 p.m., 145 Olin Hall.

Chemistry

"Environmental Effects on Nucleic Acid Interactions," Helen M. Berman, Institute for Cancer Research, April 14, 4:40 p.m., 119 Baker.

"Lyapunov Spectra for Dense Fluids and Solids," William G. Hoover, University of California, Davis & Livermore, April 18, 2 p.m., 458 Spencer T. Olin Laboratory.

"The Chlamydomonas Photoreceptor: A New Mechanism for its Activation," Koji Nakanishi, Columbia University, April 18, 4:40 p.m., 119 Baker.

"Unusual Oxidation States in Transition Metal Chemistry," Klaus Theopold, Cornell, April 21, 4:40 p.m., 119 Baker.

Computer Services

"SOLVER: An Interactive Structural Analysis and Design Program," Kifle G. Gebremedhin, Agricultural Engineering, April 14, 12:20 p.m., 100 Caldwell Hall.

East Asia Program

"Nakasone and Beyond: Reflections on Japan's Presidential Prime Minister," Masataka Kosaka, law, Kyoto University, April 18, 4:30 p.m., Room 230 of Rockefeller Hall.

"The Unique Connection: U.S.-Japan Relations in a Changing World," Masataka Kosaka, April 21, 4:30 p.m., Bache Auditorium of Malott Hall, followed by a panel discussion until 6:30 p.m. Kosaka is the East Asia program's third annual Mitsui Fellow-in-Residence.

Ecology and Systematics

"Cooperative Predator Detection: The Sentinel System of the Florida Scrub Jay," Kevin J. McGowan, Biology, University of South Florida, Tampa, April 14, 4:30 p.m., Whittaker Room, A409 Corson Hall.

"Comparative Population Dynamics of Goldenrod-Feeding Insects," Naomi R. Cappuccino, postdoc associate, Ecology and Systematics, April 20, 4:30 p.m., Morison Seminar Room, Corson/Mudd.

Employee Assembly Committee on Child Care

"Tender Care," Beverly Livesay, Tompkins County representative, in celebration of The Week of the Young Child, co-sponsored by the Advisory Committee on the Status of Women, April 19, noon (brown bag lunch), Edwards Room, Anabel Taylor Hall.

Floriculture and Ornamental Horticulture

"Dynamics of Plant Growth Under Water Stress," Tom Ranney, Ph.D candidate, April 14, 12:15 p.m., 404 Plant Science.

"Mary Rockwell - A Garden Reborn," Rick Bogusch, landscape designer, Cornell Plantations, April 21, 12:15 p.m., 404 Plant Science.

Food Science

"Information Sources for Food Product Development Scientists," Bill Davidson, General Mills, April 19, 4:30 p.m., 204 Stocking Hall.

Geological Sciences

"Degradation of Tectonic Landforms," Larry Mayer, Miami University (Ohio), April 19, 4:30 p.m., 1120 Snee Hall.

"Earthquake Induced Man," Geoff King, USGS, Denver, CO, April 20, 4:30 p.m., 1120 Snee Hall.

History and Philosophy of Science and Technology

"Corporation Cities and Factory Towns" (USA), Randolph Langenbach, Architecture, University of California, Berkeley, April 20, 4:30 p.m., 165 McGraw Hall.

National study calls for foods with less fat

Federal regulations should provide more incentive for the production and marketing of lower-fat meat and dairy products, a panel of scientists headed by David L. Call, dean of the College of Agriculture and Life Sciences, recommended in a study released last week.

Although total fat in the American diet has gone down somewhat in recent years, consumers still are eating more fat and cholesterol than experts consider healthy, said the study by the National Research Council's Committee on Technological Options to Improve the Nutritional Attributes of Animal Products. Call was chairman of the committee made up of 16 scientists from universities and industry.

The committee's report — "Designing Foods: Animal Product Options in the Marketplace" — is intended to be a guide to enhancing the nutritional benefits of animal products by reducing the fat, cholesterol and sodium content of animal products, Call said in an interview.

Announcing the results of the study at a news conference held in Washington, D.C. on April 5, Call said that the federal government, the food industry and consumers collectively can improve "our national nutrition report card" while retaining the advantages of animal products in the diet.

He noted that animal-derived foods have been "a mainstay of the American diet," but they are "a mixed blessing nutritionally" because animal products contribute more than half the total dietary fat, nearly three-fourths of the saturated fatty acids and all of the dietary cholesterol.

"Our committee is convinced that Americans can improve their diets with currently available foods such as low-fat milk products, and lean cuts of beef, pork, poultry and fish," Call said. "We are equally convinced that changes in federal policy to encourage, rather than discourage, the production and marketing of lower-fat and -cholesterol animal products will make healthy eating easier for American consumers."

The committee stressed the need to overhaul government regulations on grading, labeling and product standards. The current beef grading system, for example, encourages producers to overfatten their cattle, they said. In addition, labeling and nutrition information fails to inform consumers adequately about lower-fat animal products available in the marketplace.

Most consumers have difficulty in determining which foods contribute the most cholesterol, fat and saturated fatty acids to the average diet because many of these nutrients are "hidden" in processed foods such as pastries and salad dressings, the report said.

Animal-derived foods are "a mixed blessing nutritionally."

— David L. Call

Call said that current U.S. Food and Drug Administration product standards are "outdated" because they require that products such as mayonnaise contain a minimum percentage of fat.

"Products with less than the minimum level of fat cannot bear the generic name for that product and must be labeled as substitute foods," he explained.

New technologies, such as the use of growth hormones that produce leaner meat, could be used to further reduce the fat content of animal products, Call said. Other technologies involving breeding, feeding and managing livestock and poultry could make production of leaner animals more profitable to producers if the government's regulations were revamped as proposed by the committee.

In the 367-page report, which was published in a book form by National Academy Press, Call writes: "As scientific evidence mounts implicating specific dietary components in the development of major diseases, the food industry must respond by providing new products that match current scientific knowledge. The committee hopes this report will aid both private and federal sources in meeting this challenge."

— Yong H. Kim



Claude Levett

BUBBLES AND SUNSHINE — Rebecca Abeles, Engineering '91, fills the air near the Arts Quad with soap bubbles.

Labor, management learn together in Cornell-Baruch masters program

Labor and management are learning not only from their teachers but from one another in a joint program created by Cornell and Baruch College in New York City.

All 125 students currently enrolled are professionals in fields related to labor relations; their average age is 31, with some in their 40s and 50s; and they hope that a master of science degree in industrial and labor relations will mean promotion in their company or organization.

They come from a wide variety of occupations:

- A French Jesuit priest, one of that new breed of French priests who work in industries rather than in a church, is studying to increase his effectiveness.

- A practicing psychiatrist in a New York City hospital wants to develop his skills as a member of the union that represents city-employed medical doctors.

Other students include the personnel director for the Eastern district of Xerox Corp., a federal labor mediator, a letter carrier, a New York City probation officer, an employee relations officer for Chase Manhattan Bank, the president of a police union, a compensation manager for Random House, a personnel assistant in the U.S. Army & Air Force Exchange Service, a New York City park employee, a high school teacher and an assistant personnel director for the College Board.

Professors from Baruch College, a branch of the City University of New York that is housed in buildings set among Manhattan's skyscrapers, and from Cornell teach night classes from 6 to 10 p.m. to these working students.

Philip Ross, a Cornell professor of industrial and labor relations and New York State industrial commissioner from 1976 to 1980, teaches full-time in the city.

"This is the only adult university that I know about with a full-time faculty," Ross said. "Other adult schools use adjunct professors who teach in addition to their outside careers. And the professional experiences of our students definitely enriches our classroom discussions."

"Here at Baruch-Cornell, we will have a union official, a company manager and a government official in the same class, and they'll generate a lot of exciting discussions."

"We've had a bartender, a Cadillac agent, a superintendent of schools and the head of a union with 20,000 members. You simply cannot obtain that kind of student mix, so intellectually challenging, on an or-

inary college campus. We turned down a Phi Beta Kappa because we were not convinced that he had a serious career interest."

One graduate of the program could be found demonstrating her career interest earlier this year by standing on the front line with 3,800 former TWA flight attendants who are negotiating to get their jobs back.

"I spent 19 years with TWA until the flight attendants went on strike two years ago and were replaced by management," said Karen Lantz, vice president of the Independent Federation of Flight Attendants.

"Some of us have been rehired on the basis of seniority, but they haven't yet reached me or 3,800 others."

Lantz said she developed the skills she used to achieve her union office and is using to negotiate with the airline as a result of her studies in the Baruch-Cornell program, which she entered at the suggestion of a labor arbitrator.

"I became vice president of my union near the end of my work for a master's degree," she said in an interview. "The degree was an important factor in my re-election, because it demonstrated a greater depth of academic preparation than possessed by the other candidate."

"The majority of students are practitioners with a mix of union members, management and public employees that gives us a rich dialogue in class because we are talking from our work-day experiences."

The program proves equally valuable for those on the management side of the negotiating table, according to William Mairs, assistant director of labor relations for Nassau County on Long Island. "Studying labor law has been particularly helpful to me, because I plan to return to practicing law and specialize in labor arbitrations," he said after a night class. "It's definitely contributed to my career. But beyond my job, knowledge always is an important contribution."

Susan Isaacs, director of personnel for Bohbot & Cohn Advertising Inc., a Madison Avenue firm, said that she enrolled in the program when she was thinking of a career change, "and it helped me in zeroing in on personnel as a career from my former work as a story editor for an independent film company." She noted that students "sometimes bring into the classroom specialized areas of expertise which may be new to the professors."

Richard Kopelman, a professor of management at Baruch College, emphasized that Baruch-Cornell students "are mature grownups who are familiar with the work-

ing world and are not searching for what they are going to do in life.

"We accept only about 50 percent of the people who apply for the school, and they must demonstrate clear career goals," he continued.

"We can draw on tremendous teaching resources from Baruch College, the largest business school in the country, with 16,000 undergraduate and graduate students. One-third of all CPAs in New York City are Baruch graduates."

Kopelman, a graduate of Harvard University and the Wharton School of Business, leaps right into the real world by opening his class lecture with a discussion of current events.

At a recent 8 p.m. class, he outlined a labor dispute at Nissan Motor Co. and discussed a bid from Bridgestone Corp. of Japan to acquire Firestone Tire & Rubber Co.'s tire manufacturing operations.

Jonathan A. Lipman, who received his B.A. and M.A. from New York University, filled a serious void at Baruch-Cornell when he was appointed director of the program in 1985 after serving as assistant to the dean of Baruch College's School of Business and Public Relations.

Until that year, the Baruch-Cornell program lacked a central administration. A 1981 evaluation of the program reported a shortfall of student applications and other operating problems because no one person was in charge of the program, which functions under three umbrellas: Cornell, Baruch College and the State University of New York.

Now, with a small staff, Lipman administers the program for the three institutions from his ninth-floor office. Some rules are designed to prevent collegiate competition. Graduates from the School of Industrial and Labor Relations at Cornell are not allowed to study for a master's degree at Baruch-Cornell until at least 10 years after they leave the Ithaca campus, which offers a similar master's degree.

Perhaps a student should still have the last word in assessing the Baruch-Cornell program. So here is what Gail Cardona of New York Telephone Co. has to say:

"When I was accepted into the program, you could hear me shout on the Richter scale. I'm extremely gung-ho about the studies. I'm a repair crew foreman, active in my union, and I expect these studies to help me move into human resources work or labor negotiations."

— Albert E. Kaff

Luigi Einaudi's passion for rare books recalled

Italian statesman Luigi Einaudi was a scholar who collected rare books because he believed that writings of the past should be studied in their original form, according to French historian Roger Chartier.

Chartier discussed Einaudi's passion for old books in a lecture on April 6 inaugurating the Luigi Einaudi Chair in European and International Studies. Einaudi was the first president of the Republic of Italy, serving from 1948 to 1955.

"For Luigi Einaudi, the constitution of his own library of early editions was much more than the expression of a passion for collecting," the French historian said. "It alone allowed him to respect one of the fundamental conditions of scientific work — that is, to be able to encounter the texts of the past in their original form."

Chartier quoted from a preface that Einaudi wrote in 1953 to a collection of his principal essays on the history of economic doctrines. In the preface, Einaudi advised readers "never to cite a book without having actually seen it and never to assume the accuracy of any citation without having verified it with one's own eyes."

Einaudi's personal library was so vast that the period between the 16th and 19th centuries was represented by 6,258 items

on politics and economics alone, the "result of a lifetime of dealings with the famous antiquarian booksellers in London, in Paris and in Italy," Chartier said.

He continued, "In this library, the third quarter of the 18th century alone furnished 519 titles, which is considerable if we remember the enormous increase in the political and economic writings during the 19th century. In this corpus, we can find all the great classics in their first editions."

Explaining the importance that Einaudi placed on studying original writings, Chartier said, "By his return to the texts, by his bringing to the fore forgotten authors of the past, and by the attention he gave to the definitions of concepts and to the articulations of propositions, he broke with the old habits of a discipline that, traditionally, read only a few classic works reduced to their ideological underpinnings in their simplest form."

The Einaudi chair, the first in a major American university to be named for a modern European statesman, will bring European scholars to Cornell each year and sponsor research in Europe for a few Cornell undergraduate students annually.

About 200 faculty and students attended the lecture along with representatives of

New York Gov. Mario Cuomo, the Italian government, the Bank of Italy, Italian business and members of the Einaudi family, including the former president's son, Mario Einaudi, the Goldwin Smith Professor of Government Emeritus.

"He stands for us as a lasting example of the commitment and discipline necessary whenever we apply ourselves to intellectual work."

— Roger Chartier

The \$2 million Einaudi chair was underwritten by a grant of \$350,000 voted by the Italian Parliament and by contributions from private and corporate Italian sources, Cornell, its alumni and friends.

Frank H.T. Rhodes introduced Chartier, a professor in the Ecole des Hautes Etudes en Sciences Sociales in Paris and a frequent commentator on French television.

Describing the scholarship Einaudi performed from his wide reading, Chartier made numerous points, including:

- "Discreetly, without a great show of methodology, Luigi Einaudi exposed misleading assumptions and false diagnoses."

- Einaudi demonstrated "a refusal to reduce the complexity and originality of any work or to categorize it prematurely in terms of a particular school of economic thought. . . . Is it important to label Fernando Galiani a mercantilist or a liberal? Absolutely not."

- From 1893 to an essay delivered to the newspaper *Corriere della Sera* three weeks before his death in 1961, Einaudi's bibliography contains 3,753 titles. "To come to terms with his tremendous output — that was interrupted neither during his time in exile nor while exercising the highest responsibilities of the state — exceeds the limits of a single reader."

In concluding his description of Einaudi's lifetime research into economic theory and economic history, Chartier said, "He stands for us as a lasting example of the commitment and discipline necessary whenever we apply ourselves to intellectual work."

— Albert E. Kaff

Theatre Cornell to present updated 'Scapin' by Moliere

"Scapin," Moliere's classic farce involving gypsies, ransom, marriage, annulment and extortion, opens at Theatre Cornell on April 21 at 8 p.m.

Performances will continue on April 22, 23, 28, 29 and 30 and May 5 through 7 at 8 p.m., and on April 24 and May 1 at 2:30 p.m.

The play, which closes out Theatre Cornell's '87-'88 season, will be directed by Stephen Kanee, former associate artistic director of the Guthrie Theatre in Minneapolis and artist in residence at New Mexico State University. Kanee is an associate professor at the University of Minnesota.

"The starting point for this interpretation of 'Scapin' is Moliere's traditional distrust of authority, his championing of the working class, and his mockery of the bourgeoisie and nobility," Kanee said.

The play, Moliere's second to last, has been modernized for a contemporary audience. According to Kanee, "Scapin" was created during a tragic period of the playwright's life. Suffering from poor health, Moliere had been threatened with the loss of his theater if he wrote another play that satirized the bourgeoisie and nobility.

Moliere's rambunctious cast of characters is brought to life by Cornell resident professional theater associates and students. Harvy Blanks heads the cast as Scapin, along with fellow residents Bonnie Gould, David Gottlieb, Maria Porter and Douglas Simes.

Tickets for "Scapin" are available at the Theatre Cornell Box Office in Willard Straight Hall.

Tickets are \$4.50 for students and senior citizens and \$5.50 for general admission. They can be purchased at the box office or by calling 255-5165.



Rehearsing a scene from Moliere's "Scapin" are, from left, resident professional theater associates Harry Blanks, Douglas Simes and Maria Porter.

Szarkowski to visit as A.D. White Prof.

John Szarkowski, director of the Department of Photography at The Museum of Modern Art in New York City since 1962, will visit April 17 through 23 as an A.D. White Professor-at-Large.

Szarkowski will lecture on "Photography: Means and Ends" at 8 p.m. on April 18 in the Hollis E. Cornell Auditorium of Goldwin Smith Hall. He also will critique graduate students' work, meet with a photography class, lead a graduate seminar and hold office hours during his visit.

On April 22, Szarkowski will receive an award for his contributions to photography during the Second Annual Arthur S. Penn Photography Symposium, being held April 22 and 23 by the Herbert F. Johnson Museum of Art.

In conjunction with the Penn Symposium, an exhibit organized by Szarkowski will be on view at the Johnson Museum from April 23 through June 11. The exhibit, "New Photography 2," is the second in a series that showcases "the most interesting achievements of new photography," according to Szarkowski.

Also as part of the Penn Symposium, Szarkowski will join photographers Philip Lorca Dicorcia, Mary Frey and David Tavenner Hanson in a discussion of their works in the exhibition at 4 p.m. on April 22 in Room 115 of Tjaden Hall.

And three panelists — Sally Stein, a lecturer at the University of California, San Diego; Victor Burgin, a professor at the Polytechnic of Central London, England; and Allan Sekula, program director for photography at the California Institute of the Arts — will make presentations based on the symposium's topic, "Current Issues in Documentary and Color Photography," from 9:30 a.m. to 12:30 p.m. on April 23, also in Room 115 of Tjaden Hall.

An office visit with Szarkowski can be arranged by calling 255-3558.

Graduate Bulletin

Fellowships for 1989-90: Many fellowships have fall deadlines for completed applications. Plan ahead for 1989-90 by consulting the Fellowship Notebook and sending for application forms now.

The Fellowship Notebook lists almost 250 graduate fellowships under the categories general, women, foreign, minority, study abroad and post doctoral. Eligibility requirements, amount of award deadline, and the address for application are included for each entry.

The Notebook is available in each of the graduate field offices and at the Fellowship and Financial Aid Office, Sage Graduate Center.

Barton Blotter:

Public Safety pursues leads in case of stolen computers

The origin of a price-tag remnant is one of several leads being pursued to solve a rash of 15 burglaries on campus that account for the loss of \$90,000 in computers and computer components since Dec. 26, 1987.

The tag was found on a blue canvas athletic bag containing some \$10,000 in computer components that burglars apparently left behind when they were frightened off during a recent burglary, according to Cornell Public Safety Lieutenant Barton R. Ingersoll.

Authorities are combing the state in an attempt to locate the store where the bag was purchased by using the price-tag remnant, which contains the following information: DEPT. 191/ CAT NO 06285/ STYLE 9511/ \$14.99.

Brand-name identification was removed

from the bag.

Anyone with information should contact Ingersoll at 255-7302.

Ingersoll said the burglaries are believed to be the work of two white males from 18 to 24 years old. He is heading the investigation in cooperation with the New York State Police and the Tompkins County District Attorney's Office. The three most recent burglaries took place April 8, 9 and 10 at McGraw, Carpenter and Martha Van Rensselaer halls. Total losses were set at more than \$4,500.

Earlier in the week, a computer valued at \$1,600 was stolen from Bradfield Hall and a computer and components valued at a total of \$1,326 were stolen from the Engineering Library, according to the morning reports of the Department of Public Safety for April 4 through 10.

In addition, a 17th century needlepoint tapestry valued at \$10,000 was stolen from the foyer of Myron Taylor Hall sometime during April 7 or 8.

The items were among those included in 19 reported thefts with losses in cash and valuables totaling \$20,049. Other thefts included a \$450 cassette player, a \$200 calculator, and also \$447.80 worth of liquor taken from 109 McGraw Place and a \$150 Korean pine tree removed from the Plantations.

Three wallets were reported stolen with losses totaling \$774.80. Three students were referred to the judicial administrator on charges of stealing a fig tree worth \$150 from Balch Dining Hall.

Computerized copies of the most current daily report may be called up on CUINFO under the title SAFETY.

Job Opportunities

April 14, 1988
 Number 13
 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 main lobbies of Day Hall & Gannett Clinic, & the Olin, Mann & ILR Libraries.

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

-Minimum salaries listed are for recruitment purposes only.

-S=Statutory; E=Endowed

Administrative and Professional

ASST. REG'L. DIRECTOR (PA1301) Public Affairs Reg'l. Offices-NYC-E

Assist Dir. in implementation of Univ's. public affairs programs in development, alumni affairs, alumni secondary schools committees & college programs.

Req.: BA/BS, pref. from CU, 2-3 yrs. exp. in public affairs related activities such as recruitment & trng. of volunteers desir. Letter & resume to Cynthia Smithbower by 4/29.

BUSINESS MANAGER (PA1304) Patents & Licensing-E

Resp. for busn. & database functions. Involves budget forecasting & prep. of financial reports. Resp. for approval of expend. & distribution of royalty income. Work closely w/Dir. on financial & database matters.

Req.: BA/BS; 2 yrs. acctg. & busn. exp.; familiar w/PC's, Lotus 123 &/or Twin spreadsheets; (DBase III Plus pref.), able to communicate w/ broad spectrum of personnel. Letter & resume to Cynthia Smithbower by 4/22.

EXECUTIVE STAFF ASST. (PC1304) Computer Science-E

Provide admin. org. support for non-tech. areas of large research project. Grant mgmt. involving interaction w/ various industrial & govt. agency reps.

Req.: BS or equiv.; busn. major or courses pref. 3-5 yrs. combined ed. & work exp. in admin. Bkgrnd. or interest in reading scientific literature. Superior writing skills. Good interper. skills; able to work independ. Letter & resume to Esther Smith by 4/28.

APPLICATIONS PROGRAMMER I (PT1205) Nutri'l. Sciences-S

Provide prgrmg., analysis & graphics support for researchers. Develop, mng. & run well-documented analysis, utility & command lang. programs. Plan & construct datasets. Mng. tape libr. & dataset back-up. Support use of stat. analysis & graphics pkgs. Help administer computer accts. Provide faculty & grad. students w/consulting & instruction on mainframe & microcomputer uses.

Req.: BA w/ some research & computer exp. Sci. bkgnd. desir. Demonstrated ability using high-level prgrmg. lang., pref. Fortran. Some knowl. of stat. & stat. pkgs. helpful. Good 1-on-1 comm. & interper. skills. Letter & resume to Christa Carsello by 4/22.

ARCHITECTURAL DESIGNER (PA1302) Facilities Engineering-E

Assist in design, prep. of cost estimates & drawings, specifications & construction documents that relate to Architectural Section of dept.

Req.: AAS in architectural technology. Thorough knowl. of arch. drafting, detailing, bldg. materials, bldg. codes & construction. Working knowl. of construction techniques & related engr. practices. Previous related work exp. pref. Valid NYS driver's lic. req. Letter & resume to Cynthia Smithbower by 5/1.

APPLICATIONS PROGRAMMER/ANALYST (PT1312) Computer Services-E

Maintain, install & develop admin. software in System 36 environ. Perform as "key operator" on System 36. Coord. modifications & enhancements of software w/ vendor.

Req.: AAS w/ computer related courses or equiv. exp. Some exp. w/ IBM System 36 machine architecture, System 36 utilities (e.g., POP, DFU & QRY & prgrmg. using OCL & RPGII pref.). Exp. w/ PC's, DOS, IBM mainframes, CMS, MVS, JCL, prgrmg. in NATURAL under the ADABAS DBMS desir. Letter & resume to Christa Carsello by 4/29.

ASSOC. DIR. OF ATHLETICS FOR FACILITIES & OPERATIONS (PA1303) Athletics & Physical Education-E

Resp. for facility & operations mgmt. & scheduling for intercoll. athletics, phys. ed., intramurals & recreation. Supv. grounds & custodial functions plus Lynah Rink, Golf Course & event mgmt. Coord. transportation fleet & heavy equip.

Req.: BA/BS w/ 3-5 yrs. exp. in construction &/or facility mgmt. Proven ability to work independ. & manage several complex functions simultaneously. Must be able to interpret & explain blueprints & arch. schemata. Exc. comm. & interper. skills req. Letter & resume to Search Committee by 4/22.

APPLICATIONS PROGRAMMER III (PT1313) University Auditor-E

Design, develop, modify & document specialized application software for Audit Offc. audit teams. Applications in both IBM mainframe & Micro-computer environ.

Req.: BA or equiv. w/ computer related courses. Knowl. of at least 2 computer lang. such

as Natural, Cobol or PL/1; knowl. of VM/ CMS, MVS, JCL & familiar w/ micro & mini-computer systems req. 3-5 yrs. exp. in large scale IBM environ. Letter & resume to Christa Carsello by 4/29.

APPLICATIONS PROGRAMMER/ANALYST I (PT0716) Finance & Business Offc.-S

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 Christa Carsello by 4/22.

RESEARCH SUPPORT SPECIALIST I (PT1216) Agricultural Engineering-S

Lead position of 2; conduct experiments w/ methane oxidizing bacteria. Prepare weekly progress reports & documentation; review research schedules. Maintain & upgrade research equip. Asst. in fund allocation; ensure lab safety; computer-based data mgmt. Oursure pub. resp.

Req.: MS in ag. engr. or equiv. exp. 1 yr. ag engr. lab research. Adv. biochem. & chem. analytical skills. Letter & resume to Christa Carsello by 4/22.

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.

Req.: AAS or equiv. Exp. w/ Mac highly desir. Exc. org., writing & comm. skills necessary. Knowl. of CU acctg. system & procedures. Heavy typing. Min. Biweekly: \$527.69

PERSONNEL ASST., GR22 (C1318) Coop. Extension-NYC Programs-S

Provide clerical admin. support in all personnel functions & matters related to Sponsored Programs/Grants & Contracts.

Req.: AAS or equiv. Min. 3 yrs. admin. personnel sec. exp. Shorthand desir. Able to set priorities, meet deadlines & work in a complex, active environ. Med. typing. Min. Biweekly: \$554.63

ADMINISTRATIVE AIDE, GR22 (C1310) Field & Internat'l. Study Program-New York City-S

Assist Dir. in admin. operation. Monitor expenditures; supv. clerical position; maintain databases; assist in placement develop. (contact agencies & orgs. about program); assist dir. in develop. of student projects. New York City off.

Req.: AAS in busn. or equiv. Exc. org. & writing skills. Some acctg. bkgnd. helpful; admin. exp. req. Contact w/ students, agency corp. exp. & faculty. Lt. typing. Min. Biweekly: \$554.63

ADMINISTRATIVE AIDE, GR22 (C1310) Field & Internat'l. Study Program-New York City-S

Assist Dir. in admin. operation. Monitor expenditures; supv. clerical position; maintain databases; assist in placement develop. (contact agencies & orgs. about program); assist dir. in develop. of student projects. New York City off.

Req.: AAS in busn. or equiv. Exc. org. & writing skills. Some acctg. bkgnd. helpful; admin. exp. req. Contact w/ students, agency corp. exp. & faculty. Lt. typing. Min. Biweekly: \$554.63

SECRETARY, GR18 (C1305) Public Safety-E

Type; file; maintain & retrieve files; schedule appts.; copy; input on electronic data processing system; perform time, annual, monthly reports & stat. analysis; answer phones; act as receipt.; serve as back-up for payroll & time accruals.

Req.: H.S. dip. or equiv.; busn. or sec. school desir. Strong sec. & interper. skills req. Must maintain confidentiality & pass bkgnd. exam. Exp. w/ IBM System 36 desir. Able to set priorities, meet deadlines & work in a complex, active environ. Med. typing. Min. Biweekly: \$444.37

SECRETARY, GR18 (C1307) Geological Sciences/INSTOC-E

Provide sec. support for dept. faculty. Handle typing, tech. typing w/ complicated equations, appts., corresp., & input to WP.

Req.: H.S. dip. or equiv. Some sec. school desir. Some sec. exp. Exp. on WP equip. (IBM PC, Mac) helpful. Heavy typing. Min. Biweekly: \$444.37

ACCOUNTS ASST., GR18 (C1309) Food Science-S

Handle daily work flow of orders & payments through dept. busn. offc. Maintain & monitor state, college & Hatch accts. File, sort mail, maintain equip. inventory utilizing PC. Provide back-up for Accts. Asst., GR20.

Req.: AAS in busn. related program or equiv. Min. 1 yr. busn. offc. exp. w/ statutory acctg. procedures pref. Knowl. of Lotus 123 or Dbase III Plus pref. Able to set priorities & work in a complex, active environ. Min. Biweekly: \$443.13

SECRETARY, GR19 (C1319) LASSP-E

Provide sec. support for faculty & research groups. Assist in prep. of grant proposals, manuscripts for publication & gen'l. corresp.; maintain calendars; make travel arrangements; considerable interaction w/ other CU depts.

Req.: AAS in sec. sci. or equiv. Min. 2 yrs. sec. exp. Good tech. typing & comm. skills essential. Strong org. skills & able to work independ. Computer exp. helpful. Heavy typing. Min. Biweekly: \$470.80

ADMINISTRATIVE AIDE, GR19 (C1321) University Development-E

Provide admin. programmatic asst. to Dir., Real Estate & Property Gifts, Compile gifts reports; assist in prep. of proposals, materials & arrangements for conferences & mtgs.; answer phone; make travel arrangements; schedule appts. & maintain files.

Req.: AAS or equiv. Min. 2 yrs. exp. Exc. org., interper. & comm. (written/oral) skills. Must work well w/ public & handle confidential materials w/ discretion. Familiar w/ Mac or able to learn. Med. typing. Min. Biweekly: \$470.80

SECRETARY, GR19 (C1306) Graduate School-Dean's Offc.-E

Provide sec. support. Prep. corresp. reports, travel arrangements; act as receipt. for Dean's offc. & backup for mail/phone.

Req.: AAS or equiv. Knowl. of IBM PC's & Wordperfect pref. Strong interper., comm. (written/oral) skills essential. Med. typing. Min. Biweekly: \$470.80

ACCOUNTS ASST., GR20 (C1317) Univ. Libraries/Admin. Oper.-E

Act as payroll coord.; prepare p/r & maintain related records for all employees of endowed libs. (approx. 800). Prep. appt., change of status & other related psnl. action forms. Maintain student records & prep. appor. paper work. Monitor p/r reports for accuracy. Maintain psnl. files & records, incl. vacation/sick leave accruals.

Req.: AAS or equiv. Offc. exp. & math aptitude req. Familiar w/ CU p/r &/or acctg. procedures helpful. Demonstrated org., interper. & comm. (verbal/written) skills. Confidentiality a must. Exp. w/ microcomputers exp. WP (Wordperfect) spreadsheet (LOTUS) & database mgmt. (DBase III) pref. Lt. typing. Min. Biweekly: \$496.80

ADMINISTRATIVE AIDE, GR21 (C1313) Diagnostic Laboratory-S

Resp. for dept. personnel & payroll functions; prepare purchase reqs. & vouchers; post acctg. activity & balance college & research accts.; assist other staff in maintaining offc. operations.

Req.: AAS or equiv. Familiar w/ CU statutory acctg. system. Good interper. & comm. skills necessary. Exp. w/ WP & spreadsheet software desir. Lt. typing. Min. Biweekly: \$526.14

ADMINISTRATIVE AIDE, GR21 (C1315) Academic Programs-E

Provide broad range of admin. support in exec. offc. Communicate w/ other exec. offcs., trustees, faculty, deans, staff & off-campus constituencies.

Req.: AAS or equiv. Exp. w/ Mac highly desir. Exc. org., writing & comm. skills necessary. Knowl. of CU acctg. system & procedures. Heavy typing. Min. Biweekly: \$527.69

PERSONNEL ASST., GR22 (C1318) Coop. Extension-NYC Programs-S

Provide clerical admin. support in all personnel functions & matters related to Sponsored Programs/Grants & Contracts.

Req.: AAS or equiv. Min. 3 yrs. admin. personnel sec. exp. Shorthand desir. Able to set priorities, meet deadlines & work in a complex, active environ. Med. typing. Min. Biweekly: \$554.63

ADMINISTRATIVE AIDE, GR22 (C1310) Field & Internat'l. Study Program-New York City-S

Assist Dir. in admin. operation. Monitor expenditures; supv. clerical position; maintain databases; assist in placement develop. (contact agencies & orgs. about program); assist dir. in develop. of student projects. New York City off.

Req.: AAS in busn. or equiv. Exc. org. & writing skills. Some acctg. bkgnd. helpful; admin. exp. req. Contact w/ students, agency corp. exp. & faculty. Lt. typing. Min. Biweekly: \$554.63

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.

Req.: H.S. dip. or equiv. Min. 1 yr. exp. Exp. w/ PC's & Wordperfect req. Mac exp. desir. Exc. org. & interper. skills. Heavy typing. Min. Biweekly: \$444.37

SECRETARY, GR18 (C1305) Public Safety-E

Type; file; maintain & retrieve files; schedule appts.; copy; input on electronic data processing system; perform time, annual, monthly reports & stat. analysis; answer phones; act as receipt.; serve as back-up for payroll & time accruals.

Req.: H.S. dip. or equiv.; busn. or sec. school desir. Strong sec. & interper. skills req. Must maintain confidentiality & pass bkgnd. exam. Exp. w/ IBM System 36 desir. Able to set priorities, meet deadlines & work in a complex, active environ. Med. typing. Min. Biweekly: \$444.37

SECRETARY, GR18 (C1307) Geological Sciences/INSTOC-E

Provide sec. support for dept. faculty. Handle typing, tech. typing w/ complicated equations, appts., corresp., & input to WP.

Req.: H.S. dip. or equiv. Some sec. school desir. Some sec. exp. Exp. on WP equip. (IBM PC, Mac) helpful. Heavy typing. Min. Biweekly: \$444.37

ACCOUNTS ASST., GR18 (C1309) Food Science-S

Handle daily work flow of orders & payments through dept. busn. offc. Maintain & monitor state, college & Hatch accts. File, sort mail, maintain equip. inventory utilizing PC. Provide back-up for Accts. Asst., GR20.

Req.: AAS in busn. related program or equiv. Min. 1 yr. busn. offc. exp. w/ statutory acctg. procedures pref. Knowl. of Lotus 123 or Dbase III Plus pref. Able to set priorities & work in a complex, active environ. Min. Biweekly: \$443.13

SECRETARY, GR19 (C1319) LASSP-E

Provide sec. support for faculty & research groups. Assist in prep. of grant proposals, manuscripts for publication & gen'l. corresp.; maintain calendars; make travel arrangements; considerable interaction w/ other CU depts.

Req.: AAS in sec. sci. or equiv. Min. 2 yrs. sec. exp. Good tech. typing & comm. skills essential. Strong org. skills & able to work independ. Computer exp. helpful. Heavy typing. Min. Biweekly: \$470.80

ADMINISTRATIVE AIDE, GR19 (C1321) University Development-E

Provide admin. programmatic asst. to Dir., Real Estate & Property Gifts, Compile gifts reports; assist in prep. of proposals, materials & arrangements for conferences & mtgs.; answer phone; make travel arrangements; schedule appts. & maintain files.

Req.: AAS or equiv. Min. 2 yrs. exp. Exc. org., interper. & comm. (written/oral) skills. Must work well w/ public & handle confidential materials w/ discretion. Familiar w/ Mac or able to learn. Med. typing. Min. Biweekly: \$470.80

TECHNICIAN, GR18 (T4207) Food Science-S

Run analytical test on dairy products. Test procedures incl. Kjeldahl nitrogen, moisture, salt, fat & other constituents of milk & dairy products. Enter data in computer, prepare analytical reagents & clean glassware.

Req.: BS in food sci., chem., biochem. or related area. Exp. w/ Kjeldahl analysis, IBM PC's & Lotus 123 desir. NYS driver's lic. Apply by 4/22. Min. Biweekly: \$443.13

TECHNICIAN, GR19 (T1308) Diagnostic Lab-S

Provide tech. support to labs. Prepare various media, buffer solutions & reagents. Quality control all media using ATCC control strains. Wash, sterilize glassware, maintain records.

Req.: AAS; BS pref. Working knowl. of chemistry & microbio. Familiar w/ pH meters, autoclave, analytical balance & sterile techniques req. Apply by 4/29. Min. Biweekly: \$469.53

TECHNICIAN, GR19 (T0403) Entomology-S

Provide research support studies of pesticide resistance mgmt., incl. lab/field studies on various pests; supv. stock & experimental insect colony maint.; collect data & assist in result summarization & analysis. 1 yr. renewable.

Req.: BS in bio., entomology or genetics; valid NYS driver's lic. 1-2 yrs. trng. in 1 or more of following highly desir. insect rearing, experimental design & procedures, stats., computer literacy. Apply by 4/27. Min. Biweekly: \$469.53

TECHNICIAN, GR20 (T0916) Entomology-S

Provide research support for field crop entomological studies incl. lab/field studies on leafhoppers, cutworms & snout beetles. Until 3/30/89.

Req.: BS in bio., entomology, horticulture, agronomy or plant path.; valid NYS driver's lic. Trng. exp. in 1 or more of insect rearing, experimental field plot techniques, crop production practices, stats., computer literacy highly desir. Apply by 4/15. Min. Biweekly: \$495.35

ACCELERATOR TECH., GR20 (T1302) Nuclear Studies-E

Perform mech. & elec. repair & maint. of accelerator components. Perform elec. wiring, power & control wiring, mech. fabrication incl. machining & welding, vacuum procedures incl. assembly & leak checking. Mon.-Thurs., 7:45-4:15; Fri., 7:45-3:45.

Req.: AAS in mech. elec. field or equiv. comb. of trng. & exp. Some exp. in lab or shop pref. Apply by 4/29. Min. Biweekly: \$496.80

TECHNICIAN, GR20 (T1311) Nuclear Studies-E

Provide basic tech. svcs. & asst. for research staff, incl. chem. prep., prep. of components for furnace treatment, maint. & repair for higher power source. Mon.-Fri., 8-4:30.

Req.: AAS or equiv. comb. of ed. & exp. 1-2 yrs. exp. in research environ.; knowl. of basic research techniques nec. Apply by 4/29. Min. Biweekly: \$496.80

TECHNICIAN, GR21 (T1310) Avian & Aquatic Animal Medicine-S

Perform virolog. & immuno. assays in research lab, incl. initiation of primary cell cultures, maint. of cell lines, virus isolations, cell mediated cytotoxicity assays, prepare & purification of interleukins, prep. of media & reagents. Handle & inoculate exp. animals & collect samples. Mon.-Fri., 8-5.

Req.: BS in immunology, microbiology or related field. 2 yrs. exp. in research lab incl. handling of radioisotopes, cell culture & sterile techniques essential. Exp. w/ ultracentrifuges, gamma & beta counters, spectrophotometer, electroporator, gel equip., pH meters & microscopes. Apply by 4/29. Min. Biweekly: \$526.14

TECHNICIAN, GR22 (T1315) Nutritional Sciences-S

Provide tech. support in sophisticated biochemical & molecular bio. methods; teach routine methods to new grad. students, technicians, & undergrads.; analyze, compute, summarize & interpret data.

Req.: BS in biochem. or related field. 3-4 yrs. exp. w/ nucleic acid, recombinant DNA techniques & construction & screening of libraries pref. Apply by 4/29. Min. Biweekly: \$554.63

ANIMAL HEALTH TECH., GR22 (T1309) Vet. Medical Teaching Hospital-S

Monitor critical animals w/ in ICU. Supv. ICU Animal Health Techs. Mon.-Fri., 7:30 a.m. 4:30 p.m.

Req.: NYS lic. AHT. Min. 2 yrs. exp. working in a small animal clinic. Pre-employment physical req. Apply by 4/29. Min. Biweekly: \$554.63

TRADES ASST.-PIPE SHOP (T1303) M&SO-E

Asst. union trades people. Drive trucks, pick-up & deliver materials. Clean shop & work area. Mon.-Fri., 7:30-4:00.

Req.: H.S. dip. or equiv. Valid NYS driver's lic. req. Working knowl. of equip., tools, & materials used in construction. Must belong to local Laborers Union or join w/ in 30 days of employment. Apply by 4/29.

Part-Time

SR. CIRC./RESERVE ASST., GR18 (C1113) Circulation/Physical Sci. Libr.-E

Supv. all circ./reserve activity such as charging & discharging books; maintain circ. file; set-up TV operation; check copy machines; resp. for supv. student assts. at circ. desk; in charge of libr. on Sunday. Sun. & Mon. 8 a.m. 5 p.m.; Wed. 8 a.m. 12 noon.

Req.: AAS or equiv. Strong comm. (written/oral) skills. Previous exp. working in libr. highly desir. Lt. typing. Min. full-time equiv.: \$444.37

APPLICATIONS PROGRAMMER/ANALYST II (PT1115) Modern Languages & Linguistics-E

Implement a database mgmt. system in C for foreign-lang. on-line computer dictionary. Until 9/24 & possible extension.

Req.: BA or equiv. 2 yrs. exp. as professional programmer, knowl. of C, good understanding of databases. Exp. w/ PC's. Letter & resume to Christa Carsello.

RESEARCH AIDE, GR19 (C1221) Natural Resources-S

Assist project mgr. & principal investigators of multidisciplinary lake neutralization project w/ data mgmt. & analysis. Receive & log project data; keypad & data entry; maintain & insure central data depository validity; prepare reports & data summaries & graphics, 20 hrs. wk.

Req.: AAS in natural resources/aquatic fisheries. Working knowl. & exp. w/ IBM & Mac computers. Familiar w/ data base mgmt., graphics & comm. software req. Previous exp. in data mgmt. activities & supv. skills highly desir. Med. typing. Letter & resume to Esther Smith. Min. full-time equiv.: \$469.53

RESEARCH ASST. (T1305) Boyce Thompson Institute

Asst.

Pianist to lead jazz ensemble

Jazz pianist Barry Harris, often known as the "keeper of the bebop flame," will direct the Cornell Jazz Ensemble in a concert on April 16 at 8:15 p.m. in the Barnes Hall auditorium.

Also this week, George E. Damp, a member of the Class of 1964 and holder of an M.A. in musicology, will perform works for organ, and Joyce Lindorff, a member of the music faculty as a Mellon postdoctoral teaching fellow, will perform harpsichord music old and new.

Harris has played and recorded with many of the great jazz artists of the past 40 years — including Coleman Hawkins, Lester Young, Ben Webster, Miles Davis, Cannonball Adderley, Dexter Gordon, Jimmy Heath, Sonny Stitt, Donald Byrd, James Moody, Max Roach and Benny Golson. He will be joined in the concert by David Glassen, a saxophonist he has worked with for many years.

Harris also will conduct a workshop on jazz improvisation and band section work on April 16 at 2 p.m. in Barnes Hall.

Damp's recital, set for April 15 at 8:15 p.m. in Sage Chapel, will feature music from the mid-16th to mid-20th centuries by William Byrd, Orlando Gibbons, John Blow, Henry Purcell, William Russell, Benjamin Britten, William Walten, Herbert Howells, Henry W. Davies and C. Hubert H. Parry.

Lindorff's solo recital is set for April 17 at 4 p.m. in Barnes Hall.

Her program will include works by William Byrd, a prominent composer of Elizabethan England, and by Henry D'Anglebert, master of the French keyboard; and two recent works for harpsichord, "Fantasy" (1983) by Pulitzer-prize-winner Ellen Taaffe Zwilich and "Sonata" (1981), written for the performer by New York composer Eric Ewazen.



Barry Harris

Betsy Rose is next Coffeehouse singer

The next Commons Coffeehouse concert will feature Betsy Rose, a leading figure in women's music.

She will perform April 19 at 8 p.m. in the Commons Coffeehouse, Anabel Taylor Hall, and will lead an informal discussion about her music at 4:30 p.m. that day in the same place.

Drawing on traditional and contemporary musical styles, her concerts weave together piano, guitar and voice in a musical journey through signalongs, a cappella ballads, provocative lyrics and haunting melodies.

Tickets for the performance are available for \$5 at the door (\$4 for student and senior citizens).

They are also available for \$4 in advance at Borealis Bookstore and Smedley Bookshop, Rebob Records & Tapes and at the Commons Coffeehouse.

CALENDAR

continued from page 7

Hotel Administration

"Women in Industry," a panel discussion about problems faced by working women, April 16, 9:30 a.m. to noon, Room 120 Ives Hall.

Human Development and Family Studies

"Social Support, Role Models and Peer Relationships in Black Early Adolescents," Deborah L. Coates, Psychology, Catholic University, April 18, 3 p.m., 121 Faculty Commons, Martha Van Rensselaer.

Immunology

"The Role of Mucus in Antibody Mediated Expulsion of *Trichinella spiralis* Larvae from the Intestines of Suckling Rats," Melissa Carlisle, James A. Baker Institute for Animal Health, April 15, 12:15 p.m., auditorium, Boyce Thompson Institute.

International and Community Nutrition

"Nutritional Status in Female Headed Households in the Dominican Republic," Catherine Johnson, School of Nutrition, Tufts University, April 14, 12:40 p.m., NG35 Martha Van Rensselaer Hall.

"Nutrition and Keshin-Beck Disease in China," Dr. Chen Junshi, deputy director, Institute of Nutrition and Food Hygiene, Chinese Academy of Preventive Medicine, Beijing, and adjunct professor, Nutritional Sciences, April 21, 12:40 p.m., NG35 Martha Van Rensselaer Hall.

International Studies in Planning

"The Struggle for Ecological Agriculture in Cuba," Richard Levins, Harvard School of Public Health, April 15, 12:15 p.m., 115 Tjaden Hall.

Latin American Studies Program

"Spirits and Projectiles Among Mestizos of the Peruvian Amazon," Matti Kamppinen, Ph.D. candidate, Cultural Studies, University of Turku, Finland, April 18, 12:15 p.m., 153 Uris Hall.

Materials Science and Engineering

"Polysilicon Transistors for Liquid Crystal Display," D. Ast, Materials Science and Engineering, April 14, 4:30 p.m., 140 Bard Hall.

"Recent Progress in High Temperature Materials," H. Schadler, GE Corp. R&D, April 21, 4:30 p.m., 140 Bard Hall.

Mechanical and Aerospace Engineering

"Design Problems in Customized Total Joint Replacement," A. H. Burstein, Hospital for Special Surgery, April 19, 4:30 p.m., 282 Grumman.

Mechanical and Aerospace Engineering

"Integration of Manufacturing and CAD/CAM at IBM Endicott," David Opp, April 14, 4:30 p.m., 282 Grumman.

"Designing Manufacturing Facilities for Meal Preparation," Robert Keefe, April 21, 4:30 p.m., 282 Grumman.

Microbiology

"Unusual Genetic and Metabolic Links in Complex *E. coli* Operons that Encode Vitamin B6 Biosynthetic and Stable RNA Modifications," Malcolm E. Winkler, Molecular Biology, Northwestern University, Chicago, April 14, 4:30 p.m., 124 Stocking Hall.

Natural Resources

"Wintering Waterfowl Ecology on the Playa Lakes in Texas," Guy Baldassarre, SUNY Environmental Science & Forestry, Syracuse, April 14, 4 p.m., 304 Femow Hall.

"Conflict Resolution in the Canadian Offshore," Robert H. Bailey, Canada Oil and Gas Lands Administration, Halifax, Nova Scotia, April 21, 4 p.m., 304 Femow Hall.

Near Eastern Studies

"Modes of Rationality in Medieval Jewish Thought," Alfred Ivry, Brandeis University, April 21, 4:15 p.m., 374 Rockefeller Hall.

"Is Saul Among the Prophets? The Poetics of Proverbs in Biblical Narrative," Adele Berlin, University of Maryland, April 20, 4:15 p.m., 374 Rockefeller Hall.

Nutritional Sciences

"Hunger in America: How Have Public Health Nutritionists Responded?" Ellen Thompson, April 18, 7:30 p.m., N225 Martha Van Rensselaer.

Ornithology

"Flight Identification of Handsaws," Pete Dunne, New Jersey Audubon Society and author of "Hawks in Flight," April 18, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies Program

"Psychological Dynamics of Mediation," Dean G. Pruitt, SUNY Buffalo, April 14, 12:15 p.m., G-08A Uris Hall.

Pharmacology

"Calcium Channels in Excitation Contraction Coupling," Kevin Campbell, Physiology and Biophysics, University of Iowa, April 18, 4:30 p.m., G3 Vet Research Tower.

Plant Biology

"Physiology of Non-Ripening Mutants of Tomato," Yossi Mizrahi, Beersheva University, April 15, 11:15 a.m., 404 Plant Science.

Plant Breeding

"Characterization of Somaclonal Variants in Maize," Merideth Bonierbale and Karen Varley, Plant Breeding, April 19, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Transformation of *Nectria haematococca* with a Gene for Pisatin Demethylating Activity, and the Role of Pisatin Detoxification in Virulence," Lynda Ciuffetti, Cornell, April 19, 4:30 p.m., 404 Plant Science.

Pomology

"How New York Apple Growers Manage Pests: An Examination of Several Grower Approaches," Tracey Frisch, grad student, Entomology, April 18, 11:15 a.m., 404 Plant Science.

Psychology

To be announced, James Simmons, Brown University, April 15, 3:30 p.m., 202 Uris Hall.

Remote Sensing

"Urban Growth Monitoring with Satellite Data," Donald Morris-Jones, KRS Remote Sensing, Landover, Md., co-sponsored by Civil & Environmental Engineering and CLEARs, April 20, 4:30 p.m., 110 Hollister Hall.

Society for the Humanities

"Women's Power Through the Spirit: An African-Christian Nexus in the Carolina Low Country," Margaret Creel, History, Colgate University, April 19, 4:30 p.m., Guerlac Room, A.D. White House.

Sociology

"Impressions on Conflict and Change in South Africa," Johan Oliver, Cornell, April 18, 12:20 p.m., 302 Uris Hall.

Southeast Asia Program

"Recent Trends in Burma," John Badgley, curator, Echols Collection, Cornell, April 14, 12:20 p.m., 102 West Ave. Extension.

Stability, Transition and Turbulence

"Streaks," W.R.C. Phillips, Cornell, April 19, 1 p.m., 282 Grumman.

Statistics

"A General Approach to Model Comparison Using Average Likelihoods," Murray Aitkin, Educational Testing Service, Princeton, NJ, April 20, 4 p.m., 100 Caldwell.

Textiles and Apparel

"Cellulose-Water Interactions: Application of Water as a Probe for Elucidating the Fine Structure of Cellulose," Haig Zeronian, University of California, Davis, April 19, 12:20 p.m., 317 Martha Van Rensselaer.

Vegetable Crops

"Transition to Successfully Sustainable Agriculture," Bill Wolfe, Agricultural Consultant Necessary Trading Co., April 14, 4:30 p.m., 404 Plant Science.

"Photoperiod and Temperature Effects on Rate of Node Development of Five Indeterminate Bean Geotypes," Kenneth Yourstone, grad student, Plant Breeding, April 21, 4:30 p.m., 404 Plant Science.

THEATRE

Risley Theater

"Through the Playground," a new play by Babak Ebrahimian and Andrew Havens and directed by Ebrahimian, performed by the Le Nouveau Rapport modern theater ensemble April 15, 16 and 17, at 8 p.m. in Risley Theater. Focusing on man's self-appointed role as the "giver of definitions," the play offers a disturbing insight into modern society and the definitions with which we live.

Theatre Arts

"Scapin," Moliere's classic farce, April 21, 22, 23, 28, 29 30 and May 5, 6, 7 at 8 p.m.; April 24 and May 1 matinee at 2:30 p.m., Willard Straight Hall Theatre. Tickets for \$5.50, \$4.50 for students and senior citizens, can be purchased at the box office or by calling 255-5165.

zens, can be purchased at the box office or by calling 255-5165.

Cornell Savoyards

"Patience," a Gilbert and Sullivan comic operetta, April 22, 23, 29 and 30 at 8:15 p.m.; April 24 and May 1 at 2 p.m., James Law Auditorium, Veterinary School. Tickets may be purchased at Willard Straight box office, or by calling 255-7263.

MISC

Protestant Cooperative Ministry

"Listening to the Stories of Vietnam Veterans," an opportunity to learn about the experiences of people in the Vietnam War, April 22, dinner at 5:30 p.m. (\$2 donation); program 6:15-7:30 p.m., 401 Thurston Avenue. For more information, call 255-4224.

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.

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 the Palestinians and organizes social and cultural events in the aid of the Palestinian cause.

Personal Growth Workshops

New series begins week of April 11. Topics include assertiveness; building self-esteem; building satisfying relationships; stress management; women, food and self-esteem; lesbian? bisexual? A support group for women (ongoing, meets Wednesdays 7-9 p.m., 103 Barnes Hall); senioritis; Black women: Who are We? All groups are free and confidential. For more information or to sign up, call 255-3608, or stop by 103 Barnes Hall.

Veterinary Open House

Open house at the New York State College of Veterinary Medicine, April 16, 9 a.m. to 4 p.m. Demonstrations and hands-on exhibits designed by students focus on pets, livestock and exotic animals. There will be a petting zoo and nursery of young ones born just days before the open house. For more information, call 253-3700.

Writing Workshop

Writing workshop walk-in service: free tutorial instruction in writing, Monday-Thursday, 3:30-5:30 p.m. and 7-10 p.m., and Sunday 2-8 p.m., 174 Rockefeller Hall; Sunday-Thursday, 10 p.m.-midnight, 340 Goldwin Smith; Sunday-Thursday, 7-10 p.m., Clara Dickson Macintosh Computer Room; and Sunday-Thursday, 7-10 p.m. McFaddin Hall Computer Room.

SPORTS

Friday, 4/15

Women's Lacrosse, at Dartmouth, 3:30 p.m.

Saturday-Sunday, 4/16-4/17

Men's Golf, Ivy Championships at Bethpage, NY

Saturday, 4/16

Men's Lightweight Crew, Platt Cup at Princeton w/Rutgers,

Women's Crew, at Pennsylvania w/Rutgers

Men's Heavyweight Crew, at Yale

Men's Baseball, at Pennsylvania (2 games), noon

Men's Tennis, at Army, noon

Men's Tennis, Millersville at Army, 4 p.m.

Men's Polo, Toronto, 8:15 p.m.

Sunday, 4/17

Men's Heavyweight Crew, at Rutgers

Men's Baseball, at Navy (2 games), noon

Women's Lacrosse, at Harvard, 1 p.m.

Tuesday, 4/19

Men's Baseball, at Penn State (2 games), 1 p.m.

Wednesday, 4/20

Men's Lacrosse, Syracuse, 7 p.m.

Women's Tennis, at Syracuse, 2:30 p.m.

Thursday, 4/21

Women's Lacrosse, Colgate, 3:30 p.m.

Last week's scores

[X-Y] Overall record to date

Men's Baseball [9-17], EIBL 2-0

Rochester 9, Cornell 1

Cornell 7, Rochester 4

Cornell 5, Columbia 4

Cornell 6, Columbia 4

Men's Lacrosse [2-4], Ivy 0-3

Pennsylvania 19, Cornell 7

Women's Lacrosse [3-3], Ivy 1-2

Cornell 6, William-Smith 3

Cornell 4, Yale 2

Men's Golf

16th at the Army Invitational

Women's Crew [1-3]

Radcliffe 743.8, Princeton 752.2, Cornell 803.5

Men's Tennis [6-7], EITA 0-4

Cornell 7, Albany 2

Cornell 2, Yale 7

Cornell 1, Brown 6

Women's Tennis [3-8], Ivy 0-4

Yale 8, Cornell 1

Cornell 2, Brown 7

Men's Track [3-1]

Dartmouth 135, Cornell 82, Maine 34, Massachusetts 25, New Hampshire 17

Women's Track [2-1]

Dartmouth 80.6, Cornell 48.3, Massachusetts 43

Men's Lightweight Crew [0-2]

Harvard 632.8, Penn 640.8, Cornell 648.8

Legislative action as of April 7 on Cornell's budget requests

Category	Cornell Request (in thousands)	Executive Budget Recommendation (in thousands)	Legislative Action
I. Operating Budget			
A. 1987-88 Base	\$99,374.5	\$99,374.5	
B. Total Increase	8,892.5	2,340.8	
C. Inflationary Increases	5,556.6	2,144.8	
*Salary Annualization/Adjustment	2,089.5	1,839.5	ok
*Rent Contracts	188.0	174.6	ok
*Accessory Instruction	623.3	623.3	ok
*Library Acquisitions	65.9	65.9	ok
*Temporary Service	23.6	12.7	ok
*Utilities	2,165.0	-0-	*
*Supplies/Expense	384.3	-0-	*
*Early retirement annuities, etc.	17.0	109.0	
*Increased Savings	-0-	(426.1)	*
*Cut Vacant Lines 12.5%	-0-	(254.1)	*
D. Base Adjustments	2,535.0	-0-	-0-
*Facilities Maintenance	1,000.0	-0-	-0-
*Savage Hall Support	160.0	-0-	-0-
*Library Automation	500.0	-0-	-0-
*Computing	875.0	-0-	-0-
E. Program Improvements	800.9	196.0	
*American Indian Program	83.3	-0-	-0-
*PEWS	50.0	-0-	-0-
*Cornell/Baruch MILR Program	46.4	-0-	-0-
*Veterinary Medical Specialties	367.5	-0-	367.5
*New Building Openings	57.7	-0-	-0-
*Chemical Dump Cleanup	196.0	196.0	ok
F. Total 1988-89 Operating	\$108,267.0	\$101,715.3	\$102,082.8
II. Savage Hall Equipment (Capital)	800.0	-0-	-0-
III. Cooperative Extension Aid	2,986.2 (+176.1)	2,986.2	ok
IV. Federal Retirement	1,010.4 (+305.5)	1,010.4	ok
V. Biotechnology Bldg. O & M	329.6	329.6	ok
VI. Capital Budget (Significant Items)			
A. Martha Van Rensselaer Phase IV Construction		2,543.0	ok
Phase III Equipment		146.0	ok
B. Steam Distribution System Phase IV Construction		1,153.0	ok
C. Rehab. Exp. Animal Bldg. (Baker Institute)			
*Phase II Construction		418.0	ok
D. CALS Pesticide Bldg. (Ithaca)			
*Planning		188.0	ok
E. CVM Canine Rearing Bldg.			
*Planning		37.0	ok
F. Mann Library			
Planning Supplement		383.0	ok
G. CALS Greenhouse Replacement			
Planning, Phase I		473.0	ok
H. Geneva - Agricultural Chemicals Bldg.			
Planning		543.0	ok
*Contingent on bonding cap			
VII. Selected Other Cornell Support			
A. Contracts with other State Agencies			
*Integrated Pest Management		750.0	ok
*Farm Family Assistance		200.0	ok
*Three Diseases		379.3	} +239.3
*Mastitis Control		1,043.7	
*Diagnostic Laboratory		1,478.8	
*Equine Drug Testing		3,377.2	
B. Center for Advanced Technology			
Biotechnology		1,000.0	ok
C. Super Computer Operation		800.0	ok
D. Additional Contracts with State Agencies			
*Dairy Farm Productivity and Profitability		---	350.0
*Agriculture in the Classroom		---	145.0
*Water Resources Institute		---	450.0
*Golden Nematode		---	73.6
*North Country Agricultural		---	350.0
*Industrial Innovation Grant		---	150 to 200

State budget *continued from page 1*

lion. Stephen P. Johnson, executive director of government relations, characterized the recent budget negotiations as "tortuous, torturous, emotionally charged and, of course, highly political."

Though four fifths of the State budget had been passed close to the April 1 deadline, he said, Cornell entered this week with no decision yet on at least four important questions:

- What level of student aid will be available through the Tuition Assistance Plan?
- How will statutory-unit salaries be affected by continuing negotiations between the State and some of its employee groups?
- Will Cornell get the \$20 million loan it

has requested to help build the new Theory Center?

• Will the Legislature raise the S.U.N.Y. bonding-debt limit so that planned capital improvements -- including about \$100 million in projects at Cornell -- can go ahead?

While the Theory Center will proceed even without the loan, officials say, major projects at the Veterinary College and elsewhere will remain stalled if S.U.N.Y. is not allowed to float new bonds for construction.

Nathan Fawcett, director of statutory college affairs, said the overall budget results were the worst in recent years, perhaps the worst since the fiscal cutbacks of the mid-1970s. But John F. Burness, vice president for

university relations, said the strictures were in no way directed at Cornell. He said that all of SUNY and, in fact, many state agencies and programs would be in the same position this year.

It will be from SUNY that Cornell will receive whatever it finally gets for utilities, supplies and salary support, Fawcett noted. The Legislature provided an \$8 million lump sum to cover such costs for all 34 SUNY units, and the SUNY trustees will give Cornell a share. Fawcett said, however, that it would inevitably fall well below minimal needs.

Despite the restrictions that Cornell will face in basic operations, Nesheim said there were these bright spots in the budget:

• A five-year improvement plan for the College of Veterinary Medicine will be completed with \$367,000 -- denied in the executive budget in January -- allocated for hiring medical specialists.

• The Theory Center got \$800,000 in continuing support and the Biotechnology Center got \$1 million along with \$330,000 for operation and maintenance of the new center scheduled to open this year.

• Three construction projects got about \$4 million in continuation funds and five others got \$1.4 million in planning funds.

Aside from capital projects and the operations budget, Cornell also won about \$1.5 million in state contract work, mostly for agriculture-related projects.



Cornell Plantations

Inside:

- Wildflower information
- A Director's Message
- Education news
- Beebe Lake's upcoming birthday party

Vol. 1 #1

Spring Gardens

Looking for an escape on a balmy spring afternoon? Follow the rustic paths from Tower and Judd Falls Road down to the gardens of Cornell Plantations. May is a wonderful month to discover peonies and rhododendrons.

Not far from the Lewis headquarters building, where the Garden Gift Shop can provide you with information, you will find the American Peony Society Garden beside the long greenhouse. The polygonal beds of this garden contain more than 75 species and cultivars of peonies. Both tree peonies, with their woody shrub-forming stems, and herbaceous peonies, whose foliage dies back to the soil surface each winter, are included. The design and construction of the garden was made possible through the generosity of Marjorie Cornell, Class of 1939, who donated a number of the original cultivars growing in the garden.

By mid April the deep red shoots of herbaceous cultivars will be emerging from the soil to flower in early May. Some of the cultivars that will bloom first include 'Chalice', 'Miss America', and 'Claire de Lune'. To provide summer shade, several tree species have been planted, including Japanese

autumn-flowering cherry near the entrance, river birch by the benches and Korean mountain ash. On the edge of the garden you will also see the beautiful cherry hybrid, 'Hally Jolivette', covered with its delicate, white-pink flowers.

Because they finish blooming by mid June, the peonies have been interplanted with a diversity of later-flowering perennials and ornamental grasses providing seasonal interest well into September. In fact, the grasses and several plants with decorative seed heads are not cut back until spring leaving a winter garden of warm brown textures. Both the peonies and the companion plants have been established in broad masses and soft drifts, contrasting with the more geometric design of the beds. By mid July, large sweeps of acanthus will be in full flower.

Rising to the north of the Peony Garden is Comstock Knoll, a small hillock that is home to the Bowers Rhododendron Collection growing beneath a canopy of pine trees that were once part of the nursery for Cornell's Forestry Department. This



Below and left: Peony shoots grow and expand into beautiful flowers in the spring sun.



Below and right: The beautiful *R. vaseyi* blooms early on Comstock Knoll shown at right.



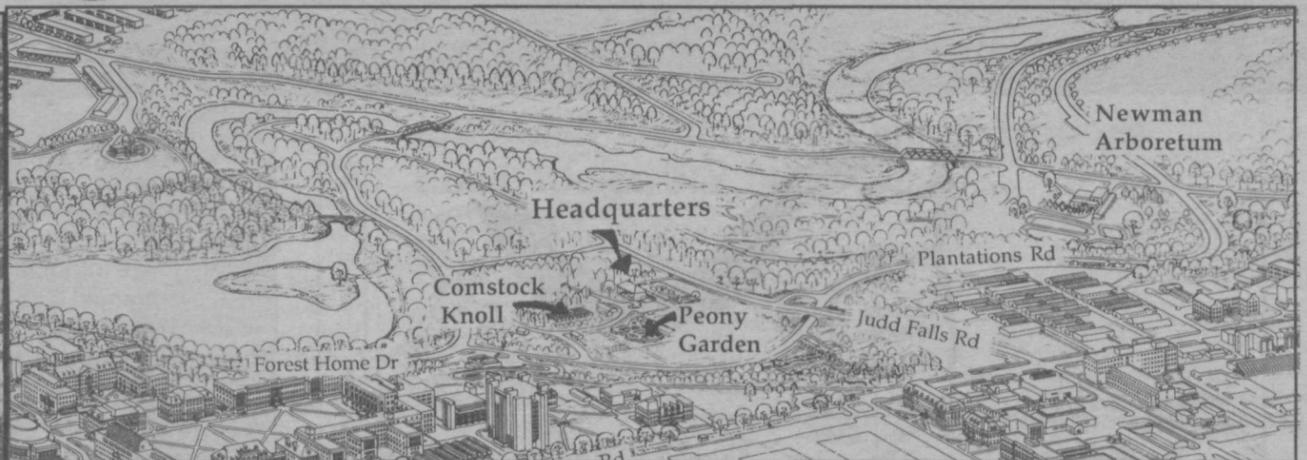
area has undergone renovation in recent years, with new paths, stone walls and benches, as well as a completely renovated collection of rhododendrons.

Of particular interest are several early bloomers, such as *Rhododendron vaseyi* 'White Find' with its delicate white blossoms and the perennial favorite, *R. mucronulatum* 'Cornell Pink'. The large and lovely ink trusses of the royal azalea, *R. Schlippenbachi* greet visitors climbing to the top of the knoll to enjoy a quiet lunch on the Class of 1917 Bench.

While rhododendron flowering lasts from April to June, flowering groundcovers have been established throughout the collection to broaden the season of interest. By early April the lenten roses, *Helleborus orientalis*, have come into bloom at the entrance

and the perennial *Disporum flavens*, a member of the lily family, is soon producing small pendant yellow bells. Later in the season astilbes and hostas will come into flower amidst drifts of dark green ferns. By September the unusual toad lily, *Tricyrtis hirta*, has developed elegant pink and white flowers on arching stalks.

Other gardens to visit in spring include the Heasley Rock Garden, also near the Lewis Headquarters building, and the Mundy Wildflower Garden along Fall Creek. All of the collections and trails at Plantations are open free of charge to the public from sunrise to sunset. The Garden Gift Shop provides information from 8 am to 5 pm on weekdays and 11 am to 5 pm on weekends. Call 255-3020 for more details on gardens of interest, special events or membership information.



The botanical garden area of Cornell Plantations is located in the hollow northeast of the agriculture quadrangle, below Tower Road. Several paths lead from campus to Plantations—down the slope off the parking lot behind Mann Library, down the hill from

Kienzle Overlook across from the Dairy Bar, and down the slope from Judd Falls Road a short distance north of Tower Road. You can also get to Plantations from North Campus by walking around Beebe Lake to the entrance along Forest Home Drive.

A Sanctuary for Ephemerals

Covering eight acres along the edge of Fall Creek, the Mundy Wildflower Garden forms a little known sanctuary for nearly 250 native or naturalized plant species found throughout the Cayuga Lake basin. Beneath a well-developed canopy of ashes, maples, dogwoods, sycamores, basswoods, cottonwoods, and hickories a special group of wildflowers, known as ephemerals, make their appearance as soon as the ground begins to thaw.

These species live most of the year as dormant bulbs, tubers and corms below ground. In early April their leaves and flowering stalks begin to emerge through the winter litter, long before any green foliage appears in the canopy overhead. In the brilliant spring sun they flower and fruit, capturing abundant energy to grow a renewal shoot below ground. By the

end of May their leaves have begun to yellow, and they soon die back to the ground to await another spring as the trees and summer wildflowers just begin to flourish.

In the Mundy Garden the meandering woodland paths make it easy to find these ephemeral natives. Small wooden labels identify each species in flower, and a bulletin board at the entrance (see below) displays photographs and an order-of-bloom list. In addition, Donna Levy, the Plantations' curator of wildflowers, has written a field guide to the collection called *Green Dragons and Doll-eyes*, available in the Garden Gift Shop. This guide delineates the trails and pathways through the garden focusing on the Mundy Stone Loop. Over 80 species are featured in the text with line illustrations and descriptive paragraphs.

Squirrel-corn and Dutchman's breeches are two closely related species that can form dense carpets of frail foliage close to the ground. Squirrel-corn's name comes from its tiny yellow tubers sometimes eaten by mice and squirrels. The flowers of Dutchman's breeches resemble tiny inflated pantaloons hanging upside down just above the forest floor. Both species are illustrated below.

Other ephemerals include Virginia bluebells, trout lilies, and the delicate spring beauties. Many of these common names reflect a history of cultural use, such as the bloodroot with its red-orange sap used as an indian warpaint, and the toothwort, whose dried roots were worn as a talisman to ward off toothache.

Because this wildflower sanctuary is a fragile area, visitors are asked to

remain on the path and keep their roving dogs on a leash. Although many wildflowers inhabit the sanctuary, not all are visible at any given time. A foot carefully placed between two spring ephemerals while snapping a photograph may easily crush the emerging shoot of a summer wildflower.

The enjoyment that visitors receive from this garden is due to the far-sightedness of Muriel and Floyd Mundy who donated the funds to create this sanctuary out of a reclaimed dumping ground. Without their generosity its beauty would not exist. In their honor a linden and an oak grow near the entrance. Symbols of the good couple, Baucis and Philomen, of Greek mythology, these two trees are often found growing together with roots intertwined.

Mundy Wildflower Garden

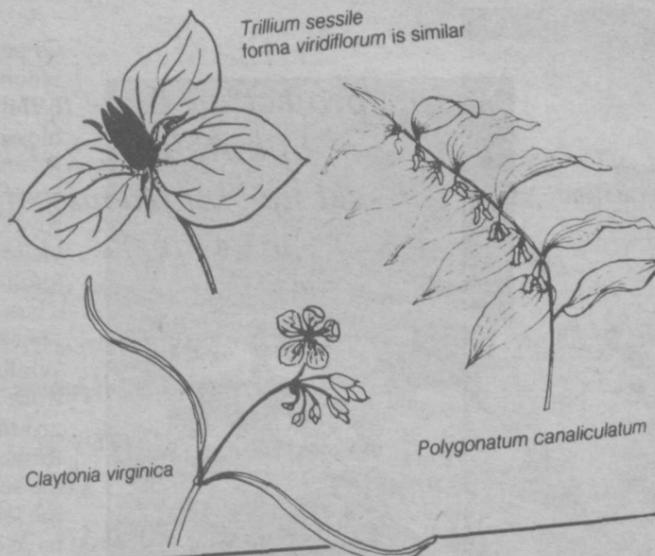
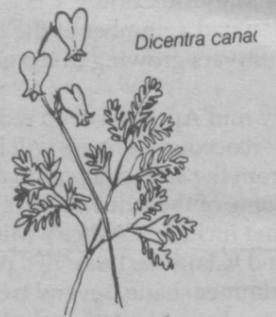
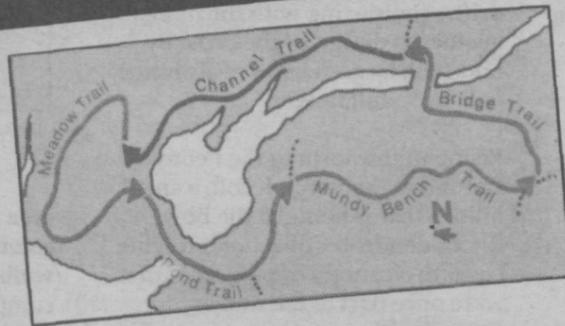
CHANNEL TRAIL

This trail winds through the deciduous woods of the flood plain where the wildflowers, including many ephemerals, are abundant. Ephemerals flower before the trees leaf out, then set seed; their foliage dies and disappears by summer. These plants spend most of their lives as underground storage organs.

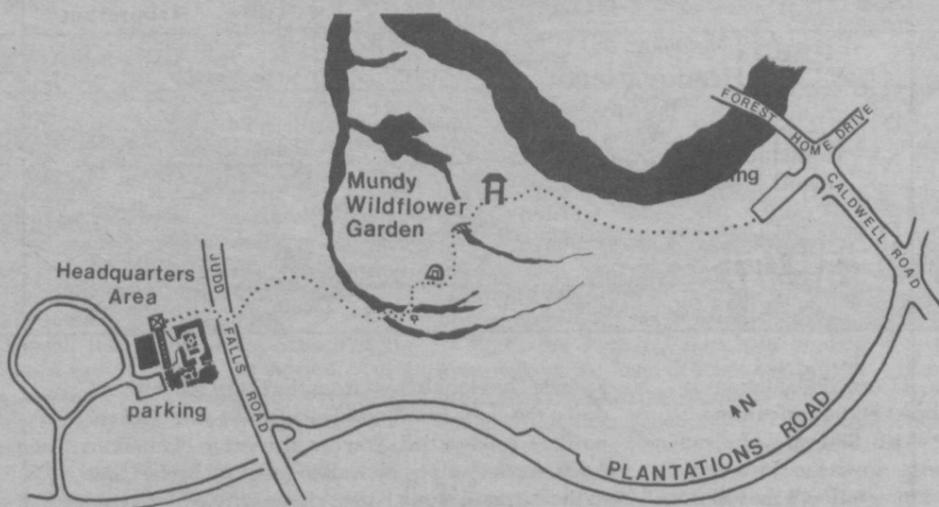
EARLY SPRING (APRIL, MAY)

***Polygonatum canaliculatum* (great Solomon's seal)**
Polygonatum is derived from the two Greek words *polys*, meaning "many" and *gonu*, meaning "knees." Located at joints on the rhizomes (underground stems) are scars left by the previous year's shoot. Counting the number of scars reveals the plant's approximate age. The scars, which resemble seals (or signets), are responsible for the plant's common name.

***Trillium sessile* (toad trillium, toadshade, sessile trillium)**
***T. sessile forma viridiflorum* (toad trillium, toadshade, sessile trillium)**
 Toadshades aren't native to the Cayuga Lake basin but were among the first plants added to the site following the garden dedication, and have become naturalized. These trilliums are native southwest of our area, including parts of western New York. Found here are the typical plant with maroon flowers, and those with greenish-yellow flowers (*forma viridiflorum*).



12



ACCESS TO THE MUNDY WILDFLOWER GARDEN

If you park at the Caldwell Road parking area, a short walk following the road beyond the gate will lead you to the information board and the garden's main entrance. (The self-guided tour begins here.)

If you park in the lot alongside the Plantations headquarters building, follow the walk north of the Robison York State Herb Garden to Judd Falls Road. Cross the road and look for the wildflower garden sign. This leads to **The Judd Falls Entrance Trail**. Turn left at the steps and go down them following the path over a small bridge to an entrance sign. To use this self-guided tour in sequential order you must cross to the other side of the garden. To get there follow **The Bridge Trail** (just to the right of the Mundy Stone, see map) to the information board where the tour begins.

A MESSAGE FROM THE DIRECTOR

CORNELL PLANTATIONS IS YOUR GARDEN

...and we are publishing this first special supplement to the Cornell Chronicle to invite you to explore a treasure in your midst. Cornell is unique in having such a beautiful resource so close to campus; yet many students and staff are unaware of exactly what and where we are. TAKE THE TIME TO FIND US THIS SPRING.



In this and future supplements, we will provide you with a brief guide to gardens of special seasonal interest, and we will highlight events and locations of special beauty such as the Newman Overlook or the Hemlock Trail at Beebe Lake. Because only a small

Receive our quarterly magazine and the director's newsletter for a free period during the coming growing season.

portion of our income comes from the university, we rely very much on the generosity of the public—friends and alumni who believe in the work we are doing to enhance the quality of life at Cornell and in Ithaca. We are in every sense a garden for the community.

If you would like to receive our quarterly magazine and the director's newsletter for a free period during the coming growing season, send in the coupon below or call and give us your name and address. This introductory membership will also bring you a 10% discount in the Garden Gift Shop.

We want you to discover the best kept secret in Ithaca.

COME VISIT YOUR GARDEN—CORNELL PLANTATIONS

Sincerely,

Bob Cook



Jog the woodland trails at lunch hour or take your family to the arboretum on Sunday afternoon for kite flying. Plantations is open for your enjoyment year round.



In the idea behind this project we have a new type of botanical garden... set up "by friends of things that grow".... It is the type of public service which it is the function of Cornell University to perform.

Liberty Hyde Bailey, 1944



Now open weekend hours—

Saturdays, 10 A.M. to 5 P.M.

Sundays, 11 A.M. to 5 P.M.

Herb Seeds
Heritage Vegetable Seeds
Everlasting Seeds for Dried
Flower Arrangements
Gardening Books
Pots
Herb Kits
Gifts

**The Garden Gift Shop
Cornell Plantations
One Plantations Road
Ithaca, NY 14850**



Something for everyone!

Clip and return this coupon to receive the "Plantations Quarterly" and the "Notes" as part of a limited free membership. Mail to Cornell Plantations, One Plantations Road, Ithaca, NY 14850-2799.

Name _____

Address _____

City _____

State _____ Zip code _____

Education Program and Special Events

Throughout the year Plantations maintains an active program of out-reach education. Approximately 40 adult evening courses are offered covering a broad range of topics: horticulture, botany, natural history, and plant-related arts. These courses are so popular that many are over-enrolled.

A lecture series has been established in honor of Professor Emeritus William Hamilton, Jr. Jim Cross of Environmental Nursery will discuss "Making a lot more out of your garden." This spring's talk will take place Saturday, April 30 at 1:30 p.m. in room 135, Emerson Hall. Donation requested.



Special public events take place during the growing season. This summer there will be a day for family education on August 13th. Come find out about the "Foods that Feed the World." This fall the popular "Mushroom Festival" will return. Visitors will again be encouraged to bring in fungi for identification and to sample wild mushroom delights.

Cornell Plantations volunteers assist with the above outreach programs as well as help with office work, photography, garden upkeep, tours and craft projects. Volunteers attend weekly training sessions to increase their knowledge of horticulture and Plantations holdings. For more information about the volunteer program or education program, contact Raylene Gardner, coordinator of the Education Program.

Call Plantations now to be put on the mailing list to receive the free fall/winter course and event brochure or join us today as a member and automatically receive this brochure along with the added bonus of getting a discount on classes and in the shop.

Left: A proud volunteer displays a wreath made for sale in the Garden Gift Shop.

Above right: A crowd gathers to watch the preparation of wild mushrooms at the Mushroom Festival.

Right: Bonsai enthusiast demonstrates wiring technique at a weekend workshop.



Beebe Birthday Party

Over the past 150 years Beebe Lake has endeared itself to both the Cornell and local communities, especially the residents of Forest Home. On Sunday, May 1, 1988, they will all join together in commemoration of the sesquicentennial of this revitalized Ithaca treasure. "Celebrating the history and the future of the lake is more appropriate now than ever before," said Dave Cutting, co-chair of the committee planning this event. "The lake is once again a beautiful place. It's a great time for a party."

The party begins at 1:00 pm. Everyone is invited to gather around the lake for an afternoon of entertainment and education. The performances will be centered around a stage set up on the shore below Helen Newman Hall. Members of the Savage Club will emcee the show and announce sport demonstrations and natural history tours and talks as they take place. Scattered along the shore will be concessions for food, drink and souvenirs.

The east end of the lake, along Forest Home Drive near Plantations' entrance, will be the site for educational displays featuring Beebe's traditions and natural history. Professors and local experts give related tours during the afternoon leaving from a table east of the stage. Departures will be announced by the emcees. During the day the Outdoor Education Program will be offering short supervised canoe rides and instructors will be showing off their skills in the gorge near Sackett Bridge and on the water.



Above: Supervised canoe rides will be offered at Beebe's Lake's birthday party.

Two special events will take place near the lake. At 2 p.m. kite flying will begin on the playing fields above Helen Newman Hall to the north of the lake. Also, at 1:30, the Run For Fun (a guess-your-own-time race) begins. Starting times will be staggered until 2:30 p.m. Guess how long it will take you to run the course and win. No watches allowed!

At 5:00 p.m. the formal birthday celebration will take place, hosted by Bob Kane, chairman of the Ithaca Centennial. President Frank H. T. Rhodes and Mayor John Gutenberger will make brief speeches, and prizes for several contests will be awarded. Party-goers will receive ice cream and cake, and all will join in song to end the day.

In case of rain, the party will go on. Every effort will be made to fit the event into Helen Newman Hall. Performances will be in the gym, the fair will be upstairs and food will be in the lobby and outside. Tours and demonstrations will go on unless it's absolutely pouring.

Plans have been made to avoid traffic congestion around Beebe Lake. Forest Home drive will be closed to traffic from Martha Van Rensselaer Hall to Judd Falls Road. Shuttle transportation will be provided all day free from A Lot and the new Cornell parking garage. The Centennial trolley will also be running from 1:00 to 6:00 p.m. on a route leaving the Woolworth's parking lot downtown and arriving at Balch Hall.