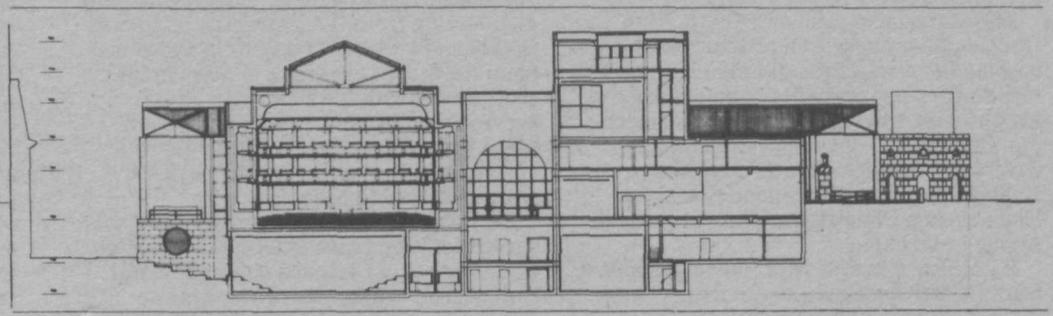
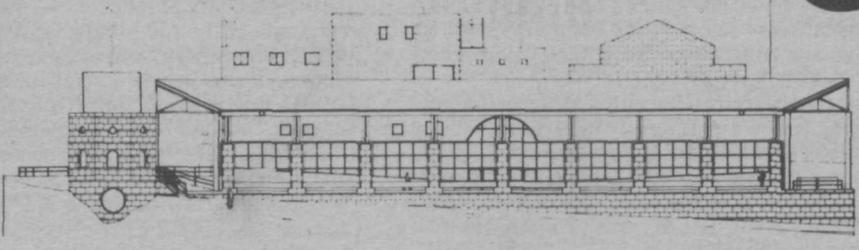


Cornell Chronicle

Performing Arts Center Sets Groundbreaking

Architectural drawings
Cornell University Performing Arts Centre
James Stirling, Michael Wilford & Associates,
London

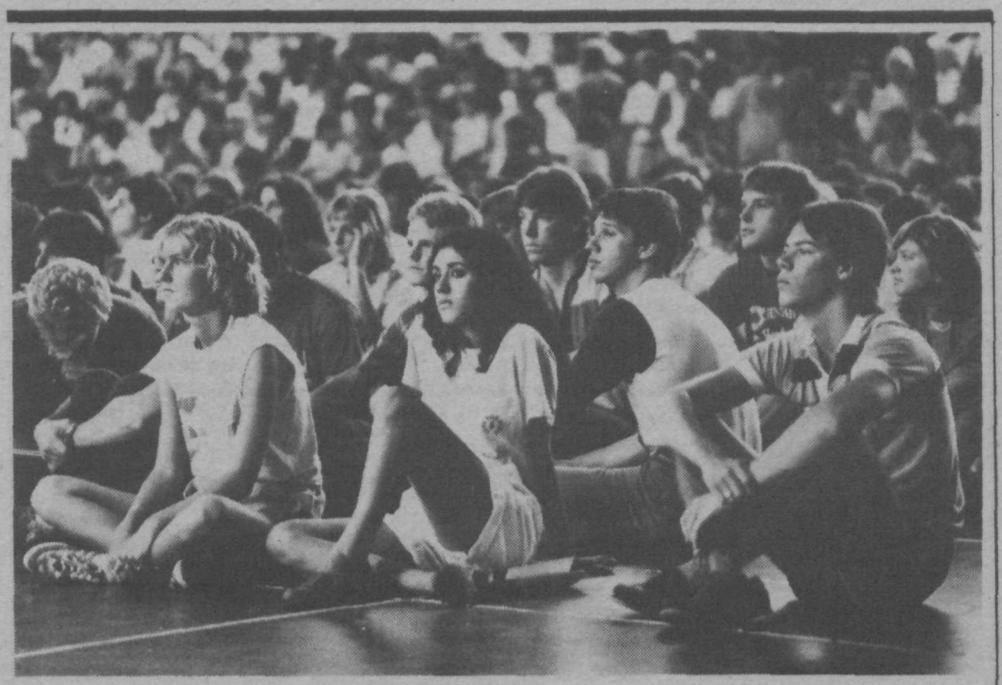


Cornell Geologists Melt Diamonds

Direct melting of diamond has been documented, for the first time, by a team of Cornell geological scientists. As reported in the August 31 issue of the *Journal Science*, a furrow was melted into the face of a diamond anvil, which was being used in high temperature and pressure studies of graphite, when a heating laser was inadvertently operated at unusually high power. The "damage" to diamond, the hardest known materials, marks the first time that carbon has been shown to melt when diamond is used as the starting material. The finding, which is expected to be of interest to physicists, astronomers and geologists, may help confirm a theory that carbon is a liquid at the high pressures and temperatures of the Earth's lower mantle. Results of the experiment are reported in a paper, "Melting of Diamond," by Jon S. Gold, William A. Bassett, Maura S. Weathers and John M. Bird. Gold is a Cornell graduate student who was operating the apparatus at the time (February 1984) of the finding. Weathers is a senior research associate and Bassett and Bird are professors in the Cornell Department of Geological Sciences. The discovery occurred during ongoing experimental mineralogy studies, supported by the National Science Foundation, which conditions in the Earth's interior are simulated. Cornell geologists have been trying to understand the role of carbon in the Earth's mantle and the interiors of other planets, and to provide information fundamental to the physics of carbon. A diamond anvil cell, capable of generating pressures up to 450 kilobars (or 40,000 times greater than atmospheric pressure at sea level) held a mixture of potassium bromide and graphite powder while a YAG (yttrium-aluminum-garnet) laser was focused through one of the anvils. With the anvil cell exerting about 120 kbar pressure, the geologists were attempting to turn carbon, in its graphite form, into diamond, one of the ways of making syn-

thetic diamonds. "However, the focused laser was inadvertently run at a very high power density across the sample, thus 'damaging' the anvil face," the geologists report in the *Science* article. Examination of the "damage" with a variety of electron and light microscopy techniques showed that a furrow about one-tenth of a millimeter long had been created. The furrow had raised, smooth ridges on each side. "Fracturing would not produce such smooth surfaces," the authors wrote, "graphitization would not produce transparent material, and oxidation would result in missing rather than redistributed material." Further examination revealed droplets of potassium bromide, suspended below the surface of the diamond furrow. When the diamond was immersed in water, the potassium bromide (a salt) did not dissolve, indicating that the droplets were completely encapsulated in the melted and resolidified diamond. When the Cornell team repeated the experiment, they produced droplets of melted diamond in addition to most of the features they had seen before. As early as 1963, Francis Bundy at General Electric found evidence that he had produced diamond melt. However, he had started with graphite. "This is the first time that experimental evidence has been produced to show melting of carbon at high pressure when diamond is used as the starting material," the Cornell geologists concluded in the *Science* article. "We've probably been melting diamond for years and didn't know it," Bassett commented, noting that surfaces of the gem-quality diamond anvils are frequently damaged during laser experiments. "Now we have access to good electron microscopy to test the results." As a next step, the Cornell geologists will make measurements of the diamond's temperature during the fraction of a second it is in liquid form. □ — Roger Segelken

The Center for Performing Arts plans a October groundbreaking with a total of \$16.3 million in gift commitments to date. The total project cost is \$19.5 million, including \$16.5 million for construction, of which \$14.3 million has been committed, and \$3 million to endow the facility, of which \$2 million has been pledged. President Frank Rhodes said, "A thoughtful \$4 million challenge grant from two anonymous donors greatly accelerates our progress toward securing full funding for the Center. Already, two major donors, including a Cornell class and a foundation, have been strongly influenced by this challenge. These generous commitments to Cornell add to our confidence that we shall soon complete funding for the Center." "We must still push hard to reach our goal," adds Director of University Development Carol O'Brien. "But we are very encouraged by progress made during the summer. Since April we have increased the money available for construction by \$3.8 million." Among the major gifts received in recent months are a \$2 million pledge from a Cornell class and a \$800,000 gift that will be formally announced shortly. O'Brien explained that the \$4 million challenge is being used to match all gifts of \$1,250 and more, for spaces within the Center, such as seats, theatres, and studios. The designs for the building, by the architectural firm of James Stirling, Michael Wilford & Associates, have received critical acclaim, including a cover story in "The Architectural Review."



Three thousand freshmen get first taste of Cornell at convocation during orientation.

PEOPLE

Appointments

Robert H. Silsbee, professor of physics in the Laboratory of Atomic and Solid State Physics, has been appointed director of Cornell's Materials Science Center. Long active in research and teaching of condensed matter physics, Silsbee takes the place of Herbert H. Johnson, who has completed two five-year terms as director of the center.

Commenting on the appointment, Cornell Vice President for Research and Advanced Studies Joseph M. Ballantyne said, "Bob Silsbee is well known by most of the faculty members of MSC even though they come from many different departments. To this new position he brings substantial previous administrative experience. His broad scientific interests, dedication to high quality scholarship and warm personality are appreciated by all who know him."

The Materials Science Center is an interdisciplinary research program encompassing the work of faculty members in nine Cornell departments: Applied and Engineering Physics, Chemical Engineering, Chemistry, Electrical Engineering, Geological Sciences, Materials Science and Engineering, Mechanical and Aerospace Engineering, Physics and Theoretical and Applied Mechanics.

Established in 1960 with financial support from the Advanced Research Projects Agency, the Materials Science Center is now supported in part by the National Science Foundation's Division of Materials Research. Members of the MSC also receive support through individual grants and contracts from federal agencies, foundations and industrial sources. Research expenditures at MSC total more than \$3.5 million a year.

Some of the research concentrations supported by MSC are thin films and interfaces, low-temperature physics, mechanical properties, new solid-state materials, optical phenomena, phase transitions and surface science.

Silsbee earned the A.B., A.M. degrees, and the Ph.D., in 1956, from Harvard University, and served as a staff member at Oak Ridge National Laboratory before joining the Cornell faculty in 1957.

Among his areas of research interest are spin-resonance in metals and semiconductors, metal-metal interfaces, properties of small particles, and submicron physics. Awards to Silsbee include Alfred P. Sloan, National Science Foundation Postdoctoral, and J.S. Guggenheim Fellowships. He is a fellow of the American Physical Society and of the American Association for the Advancement of Science and serves as an editor of *Solid State Communications*. □

Retirements

George B. Lyon, a specialist in surveying techniques and a member of the Cornell faculty for nearly 37 years, has been named professor emeritus in the School of Civil and Environmental Engineering.

Before retiring in January 1984, Lyon taught civil engineering courses in surveying and geodesy. Earlier in his Cornell career he also taught fluid mechanics, hydrology, hydraulics, marine navigation, and transportation.

Richard N. White, director of the School of Civil and Environmental Engineering, said of Lyon's career at Cornell: "His many years of dedicated teaching and administrative assignments are greatly appreciated by his many colleagues and by several generations of civil engineering students."

Lyon earned a bachelor's degree in civil engineering from the University of Illinois in 1940 and a master's degree in hydraulics from the State University of Iowa in 1942, then served with the U.S. Army as a surveyor and engineer, with the Illinois State Water Survey as a water-resource specialist and as an instructor at the University of Minnesota.

He joined the Cornell faculty in 1947, and served for nine years as assistant director of the School of Civil and Environmental Engineering. Among his consulting activities, Lyon participated in site selection studies for Brasilia, the capital of Brazil, and was involved in reservoir, drainage and flood-control studies.

President Rhodes greets parents at Orientation Parents' Reception



For the past 23 years Lyon has provided computations for "Solar Ephemeris," the book of tables used by surveyors to determine direction of lines on the surface of the Earth.

Lyon will continue an active association with the school, including work on the school's collection of antique surveying instruments and documents. □

Ta Liang, a specialist in remote sensing and airphoto interpretation and a member of the Cornell faculty since 1957, has been named professor of civil and environmental engineering emeritus in the College of Engineering.

Commenting on Liang's contributions to the teaching and research in engineering, Director of the School of Civil and Environmental Engineering Richard N. White said, "Ta Liang has been a world leader in remote sensing, and his activities have spanned the continents for several decades. He has also contributed greatly to the education of many young engineers and students from other disciplines who studied with him here at Cornell."

After earning a bachelor's degree from Tsing Hua University in China and a master's and doctoral degree from Cornell, Liang worked with engineering firms, then was named an associate professor of engineering at Cornell. He was promoted to professor in 1963.

Liang was instrumental in putting Cornell at the forefront, nationally and internationally, in the area of aerial photo interpretation, applying the science to an array of engineering and agricultural problems. He developed techniques for assessing landslide potentials and for determining the properties of tropical soils

from aerial photos and served as a consultant on projects in North America and in more than 40 countries around the world, including central Africa, southeast Asia, western Australia, Central and South America.

He was the principal investigator in the NASA-sponsored Remote Sensing Program of the School of Civil and Environmental Engineering from 1972 to 1981.

He and his wife Daisy will continue to reside in Ithaca, and he will remain active with the CEE School and in domestic and international consulting. □

Kudos

Five graduate students have been named recipients of the Liu Memorial Award for outstanding scholarship in their fields. The winners of this year's annual competition are Ni Feng, Feng Ziding, Yang Wei-shih, Terence Tai, and Zhang Jingyuan.

The Liu award, created in honor of Goldwin Smith Professor of Economics, Ta-Chung Liu, is awarded to students of Chinese descent "for the primary purpose of furthering (their) education and training, and encouraging excellence in scholastic and research activities." This year's cash awards were in the amounts of \$1000, \$750, and \$500.

Ni Feng, a second year graduate student in chemistry, received his B.S. from Lanzhou University in northwestern China. He was among the top forty candidates from China's best universities chosen as government scholars for advanced study in the U.S. His thesis research focuses on new approaches for studying the relationship between biological function and protein structure.

Feng Ziding, a master's candidate in entomology is one of the first two graduate students selected for advanced study at Cornell under the exchange agreement reestablished between the College of Agriculture and Life Sciences and Nanjing Agricultural College in China. After completing his degree next year, he plans to continue toward his Ph.D. in preparation for returning to Nanjing to teach insect population biology, computer modeling, and integrated pest management.

Yang Wei-shih, a B.S. graduate of National Taiwan University, plans to complete his Ph.D. degree this summer in the field of mathematics. He has been working on a mathematical model of scalar quantum field theory applied to lattice space and to continuum space. The Institute for Advanced Study in Princeton has selected him to be a visiting member during the 1984-85 academic year where he will continue his research in the fields of probability theory and mathematical physics.

Terence Tai, also a graduate of National Taiwan University, is preparing for his Admission to Candidacy Examination in the field of philosophy. His dissertation deals with Immanuel Kant's Transcendental Deduction in the Critique of Pure Reason. After obtaining his doctorate at Cornell, he hopes to teach both contemporary and traditional Western philosophy as well as to embark on new work on traditional Chinese philosophy.

Zhang Jingyuan is completing her second year of study toward a Ph.D. in the field of comparative literature. She came to Cornell with an excellent foundation in the English language acquired at the Sichuan Institute of Foreign Languages in China where she received a B.A. in English and taught as a Junior Lecturer for three years. Her interest is twentieth century women's fiction in English and Chinese, with particular attention on the psychological factors influencing and evidenced in their works. □

Cornell Chronicle

Editor: Randall E. Shew. Acting Editor: Anne Moffat. Staff Writers: H. Roger Segelken, Martin B. Stiles, Molly McClintock. Photographers: Sol Goldberg, Charles Harrington. Circulation Manager: Joanne Hanavan.

Published each week except for Thanksgiving and Christmas. Distributed free of charge to Cornell University faculty, students and staff by the University News Bureau. Mail subscriptions, \$13 per year. Make checks payable to Cornell Chronicle and send to Editorial Office, 110 Day Hall, Ithaca, N.Y. 14853. Telephone (607) 256-4206.

Second-Class Postage Rates paid at Ithaca, N.Y.

POSTMASTER: Send address changes to the Cornell Chronicle (ISSN 0747-4628), Cornell University, 110 Day Hall, Ithaca, N.Y. 14853.

It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity 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 which will assure the continuation of such equality of opportunity.

Gerald W. Olson, a soil scientist at Cornell University, has been honored with a 1984 "Commendation Award" from the Soil Conservation Society of America (SCSA). He is one of 23 scientists so honored this year.

An associate professor of soil science in the State College of Agriculture and Life Sciences, Olson was cited for "distinguished service" to the Society's Empire State Chapter as president in 1981-82 and as chairman of the chapter's 1982 annual meeting where he played a major role in developing a program on the use of computers in presenting soil survey information.

A member of the Cornell faculty since 1962, Olson is an authority on soil surveys and interpretations. □



Cornell Team Picked to Build Space Telescope

Professor of Astronomy James Houck and graduate student Paul Graf test infrared instruments for NASA's space telescopes.

Capable of peering to the edges of the known universe, one of the sensitive, analytical "eyes" of the next generation infrared observatory will be designed by a team of Cornell University astronomers and engineers.

The National Aeronautics and Space Administration (NASA) has designated James R. Houck, professor of astronomy at Cornell and science team member for the highly successful Infrared Astronomical Satellite (IRAS), as principal investigator for the infrared spectrometer instrument in the Space Infrared Telescope Facility (SIRTF).

The earth-orbiting observatory, capable of detecting and analyzing light in the infrared region of the electromagnetic spectrum, is planned for launch in 1992. SIRTF will investigate sources of infrared radiation that were discovered by IRAS, and will seek new sources in this solar system, the Milky Way Galaxy and in other galaxies.

Selected by NASA as co-investigators with Houck are Steven Beckwith (BS '73), associate professor of astronomy at Cornell; Terry Herter, senior research associate in astronomy at Cornell; and Edwin Salpeter, Cornell's James Gilbert White Distinguished Professor in the Physical Sciences. Other co-investigators in the

spectrometer design project are Keith Matthews, B. Thomas Soifer (PhD '72) and Daniel Watson, all of California Institute of Technology; Thomas Roellig (PhD '81), NASA Ames Research Center; Daniel Weedman, Pennsylvania State University, and William Forrest, University of Rochester. Engineering support will be provided by George E. Gull (BS '72).

Also designated by NASA are leaders of teams to design other components of the infrared facility, including a wide-field camera instrument and a multiband imaging photometer.

Some research and engineering staff will be added at Cornell as spectrometer instruments are tested here. That increase in activity will be a mixed blessing for occupants of the Space Sciences Building, according to Department of Astronomy Chairman Yervant Terzian: "Our astronomy faculty is happy that NASA has chosen Cornell for such an important project," he said when he heard the news. "However there is absolutely no question that we need to add more research space in the Space Sciences Building to accommodate all the numerous, new, exciting developments."

The new infrared telescope will be a thousand times more sensitive than IRAS and will be capable, for example, of locat-

ing an object the size of a basketball at the moon's distance from Earth. Equally important, however, SIRTF's spectrometer will provide information on the composition, temperature and pressure of the emitting objects. By analyzing SIRTF data, astronomers will be able to distinguish a "hidden quasar" from a massive burst of star formation a distant galaxy.

"There had been predictions we would find galaxies of infrared to visible ratios of 10 to 20 to one," Houck said, noting that the Milky Way's ratio is 1:1. "We found that a large fraction of galaxies are strong emitters of infrared, some as high as 500:1, and there is no clear understanding of how these galaxies generate this enormous amount of infrared radiation."

Sources of infrared radiation documented by IRAS are approaching 380,000 in number, and will take years to study. Undoubtedly more surprises await in the unanalyzed data. Furthermore, new data analysis techniques may be used to increase the IRAS catalog by five or six times.

Astronomers at Cornell and elsewhere will pour through IRAS data, helping suggest targets for SIRTF's mission.

SIRTF will have another advantage over IRAS because its cooling system will last longer and will be refillable. "Our ice cube melted," Houck explains, referring to the natural and not unexpected death of IRAS in November 1983, as the last of its liquid helium supply turned to gas and was vented into space. SIRTF will be designed to operate up to two years between refills, according to NASA, and will be serviced while in orbit. □

Beethoven Featured

in Concert



Pen and Ink Sketch of Beethoven by J.B. Lyser, ca. 1820-25

Music of Beethoven will be featured in a free, public concert in Cornell's Barnes Hall at 4 p.m. Sunday, Sept. 2. The recital of chamber music is the first of the many free campus concerts and recitals which the university's Department of Music will sponsor during the academic year.

The performers are Sonya Monosoff, violin; Lynden Cranham, cello; and George Barth, fortepiano. Their program includes the Cello Sonata in G minor, Opus 5, No. 2, Violin Sonata in C minor, Opus 30, No. 2 and Trio in D Major, Opus 70, No. 1.

Monosoff has been a professor in the Cornell Department of Music since 1972. Recipient of an Artist Diploma from the Juilliard Graduate School, she was a member of the New York Pro Musica under Noah Greenberg and founder-director of the Chamber Players of New York. In addition to many performances in this country, she has presented master classes and lecture-recitals in Israel and Italy and participated in the Vivaldi Festival in Venice.

Cranham, a native of England, is the founder of the Burnell Piano Trio and has played with major chamber orchestras in England. Recently, she has been concentrating on Baroque cello and is co-editing a volume of 18th century cello sonatas with her husband, Cornell Professor Roger Parker.

Barth has been a member of the applied music faculty at Wesleyan University faculty since 1972, and has performed extensively as a recitalist, pianist and orchestral soloist in New England. Last fall he received a two-year leave of absence from Wesleyan to pursue study of the fortepiano at Cornell with Professor Malcolm Bilson. An Andrew D. White Fellow, Barth is the first candidate in the university's new doctoral (DMA) program in 18th century performance practices. □

Sage Chapel Sets Program

The Rev. Robert L. Johnson, director of Cornell United Religious Work (CURW), will speak at Sage Chapel on Sunday, Sept. 2, 1984, at 11 a.m. His sermon topic will be, "The Reasons of the Heart." Greetings will be given by President Frank Rhodes.

Rev. Johnson is an ordained minister in the United Methodist Church and a graduate of the University of North Carolina at Chapel Hill, Union Theological Seminary in New York City, and Harvard Divinity School. For 18 years, he served as Director of the Wesley Foundation at Chapel Hill, North Carolina, and served in recent years as the president of the National Institute for Campus Ministries. As director of CURW, he is responsible for the administration of Sage Chapel services.

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, university organist and Sage Chapel choirmaster. □

"Expanding Cinema" Series at Museum

"The Expanding Cinema," a series of seven film and video showings, will be presented at the Herbert F. Johnson Museum of Art during September and October. Sponsored by Cornell Cinema and the museum, this year's theme is Film/Video Animations and Graphics. The programs are scheduled every Sunday at 2 p.m. from Sept. 2 through Oct. 14. Admission is free.

September's programs feature 55 short films representing a wide-ranging spectrum of innovative animations. Made by individual artists-animators rather than the motion picture industry, these independently produced works are daring, playful, and inventive in their choice of imagery and technique. October's shows will focus on recent graphics work produced on video.

The first three programs were selected by Camille Cook, former director of the Film Center of the School of the Art Institute of Chicago. Barry Levine, Director of Center Screen, Inc. in Cambridge, scheduled the following two programs. The September screenings are circulated by the American Federation of Arts Film Department and made possible by funds from the New York State Council on the Arts.

The schedule is:

Program One - Sept. 2 (one hour, 12 minutes), Clay (Eliot Noyes), Permutations (John Whitney), Dance of the Looney Spoons (Stan Vanderbeek), Housemoving (Derek Lamb), Insects (Teru Murakami), Stone Sonata (Carmen D'Avino), Begone Dull Care (Norman McLaren), Pandora's Box (Steve Segal), Inner and Outer Space (Robert Breer), and Duo Concertantes (Larry Jordan).

Program Two - Sept. 9 (one hour, 10 minutes), Musa Paradisi a Sapientum (Steve Klocksiem), Sausage City (Adam Beckett), Closed Mondays (Will Vinton and Bob Gardiner), God is Dog Spelled Backwards (Dan McLaughlin), Opening/Closing (Kathleen Laughlin), Canyon (Jon Jost), Chow Fun (Sally Cruikshank), Matrix III (John Whitney), Frank Film (Frank and Caroline Mouris), Accident (Jules Engel), Music of the Spheres (Jordan Belson), Walking (Ryan Larkin).

Program Three - Sept. 16 (one hour, 21 minutes), Coney (Frank and Caroline Mouris), Eurynome (John Straiton), Cubits (Al Jarnow), L'Age Door (George Griffin), The Silverfish King (J.P. and Lillian Somersaulter), Analogies:

Studies in the Movement of Time (Peter Rose), Turkey in the Straw (Buffy Holton), Filet of Soul (Victor Faccinto), Tub Film (Mary Beams), and Asparagus (Susan Pitt).

Program Four - Sept. 23 (one hour, 11 minutes), Surface Work (Dennis Pies), Step Print (George Griffin), Studiel (Michael Zodorozny), Guylxiar (Space Amusements) (Michael Zodorozny), Gila (Philip Perkins), Four Times Four Times (Magdalena Rangel), Ichym (Dorne Huebler), Ground Green (John Casey), Plans and Elevations (Al Jarnow), 6 Loop Paintings (Barry Spinello), Chalk Tale (Steve Socki), Precious Metal (David Ehrlich), Wet Paint (Jules Engel), Shapes and Gestures (Jules Engel).

Program Five - Sept. 30 (one hour, 12 minutes), Two Space (Larry Cuba), Pasadena Freeway Stills (Gary Beydler), TZ (Robert Breer), Diagram Film (Paul Glabicki), Frame (Ken Kobland), Parataxis (Skip Battaglia), Sumi E (Francis Lee, and Saugus Series (Pat O'Neill).

Program Six - Oct. 7, Video Graphics (titles to be announced).

Program Seven - Oct. 14, Video Graphics (titles to be announced). □

All items for publication in the Calendar sections, except for Seminar notices, must be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 532 Willard Straight Hall at least 10 days prior to publication. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the calendar in which it should appear (lectures, colloquia, etc.). ALL DEADLINES WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

Plant Pathology

Department social, introduction and recognition, 3:30 p.m. Tuesday, Sept. 4, 404 Plant Science Building.

Uris Library Tours

Tours of Uris Undergraduate Library will occur on weekdays through September 7. Interested persons should meet at the Circulation Desk on the following days: Aug. 30, 1:25 p.m.; Aug. 31, 10:30 a.m.; Sept. 4, 2:30 p.m.; Sept. 5, 9:05 a.m.; Sept. 6, 10:30 a.m. and Sept. 7, 1:25 p.m. Tours of Uris Library will also include a brief tour of Olin Library. Handicapped students needing a special tour should call 256-2339.

Olin Library Tours

New faculty and graduate students will be given orientation tours of the graduate research library on Aug. 30 at 9:15 a.m. and 10:15 a.m. and on Aug. 31 at 1:15 and 2:15 p.m. Meet in the Lobby.

New Course

Government 401/Ag & Life Science 401/Hum Ec 451 — "America and the World Community: Now and in the Future," an interdisciplinary course. Open to all undergrads, grad students and non-students. Meets Mondays and Wednesdays, 7:30-9:30 p.m. in the One World Room, Anabel Taylor Hall. Sept. 3 and 5, "The State of the World: Misery, Danger, Opportunity and Hope" by Steven Jackson, Assistant Professor, Government. Sponsored by the Center for World Community and IRIM.

Hillel

Hillel and Young Israel are sponsoring a Kumsitz (Campfire) at the YI House, 106 West Avenue, starting at 11 p.m., Saturday, September 1. The Hillel Grad Group is sponsoring a Picnic on Sunday, September 2, from noon to 3 p.m. at the Plantations. Rain location: One World Room, Anabel Taylor Hall. For information, call Raymond Taylor at 256-3963 or 273-9113. Hillel will be sponsoring a dinner at 7 p.m. following services on Friday, September 7 in the One World Room. Reservations must be made by 3 p.m. the day before in the Hillel Office, G-34, Anabel Taylor Hall. Cost: \$4.50, Affiliates, \$6.00, NonAffiliates. Following Dinner, Prof. Ron Mack, Psychology, will speak.

Relationship Workshop

CRESP and Transformation Workshops are presenting a new, eight-week series with Let Davidson, Ph.D. on creating loving and satisfying relationships with life partners, friends, coworkers, associates and families. Open to individuals and couples. Meets Mondays, 7-10:30 p.m. beginning Sept. 17. For information and registration, call 272-4131.

Cornell Outing Club

The Cornell Outing Club will be having introductory meetings on September 4 and 11 at 7:30 in 110 Ives Hall. There will be a slide show and refreshments. The Outing Club meets every Tuesday at 7:30 p.m. at Japes (behind Noyes Lodge).

Tennis (doubles) (Men, Women)

Deadline on entries is Tuesday, Sept. 4 at 4 p.m. in the Intramural Office, Helen Newman Hall. Two to enter. There will be a fee of \$7.50 per team to enter, due with your roster. Checks only, payable to Dept. of P.E. and Ath., Intra. Div. Play will probably begin Thursday, Sept. 6. Addition information available in IM Office.

Touch Football (Men, Women)

Deadline on entries is Tuesday, Sept. 4 at 4 p.m. in the Intramural Office, Helen Newman Hall. Minimum of 12 to enter. Playing days are Monday thru Friday, starting at 4:30 p.m. Please specify your preferred day of play (1st, 2nd, 3rd choice). There may be two banks of games each day, depending on the number of entries. Play will be on Jessup Field. Forfeit fee of \$10 per team. Checks only, payable to Dept. of P.E. and Ath., Intra. Div. Due with your roster to enter. If you do not forfeit any of your regularly scheduled games, we will void your check at the end of play. Post-date checks Oct. 31, 1984. Play will begin Sept. 17.

| | | | | | | | | | |
|-----------|------|----|----|----|----|----|------|----|----|
| August | | | | | | | 1984 | | |
| | S | M | T | W | T | F | S | | |
| | | | | | | 2 | 3 | 4 | |
| September | 1984 | | | | | | 9 | 10 | 11 |
| | S | M | T | W | T | F | S | | |
| | | | | | | 16 | 17 | 18 | |
| | | | | | | 1 | 23 | 24 | 25 |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 30 | 31 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 | | |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | |
| | 30 | | | | | | | | |



From a forthcoming exhibit on contemporary Chinese painting from the People's Republic of China.

Figures, 1982, by Yang Gang
Ink on paper

Exhibits

Herbert F. Johnson Museum

"Drawings and Sculpture by Fernando Botero", through Sept. 2. On display will be fourteen drawings and fourteen sculptures by a renowned Colombian artist now living in Paris. "Photographic Observation: The Robert J. Flaherty Film Seminars, 1955-84" by Bruce E. Harding. Through September 16. "The Expanding Cinema," a series of seven film and video showings. Sponsored by Cornell Cinema and the Museum. This year's theme is "Film/Video Animations and Graphics." The programs are scheduled every Sunday at 2 p.m. from Sept. 2 through Oct. 14.

Films

Thursday

August 30, 8 p.m. *Uris Hall Auditorium. "Viridiana" (1961), directed by Luis Bunuel, with Sylvia Pinal and Francisco Rabal.

Friday and Saturday

August 31 and Sept. 1, 8 p.m. *Statler Hall Auditorium. "Terms of Endearment" (1983), directed by James Brooks, with Jack Nicholson, Shirley MacLaine and Debra Winger.

August 31 and Sept. 1, 11 p.m. *Statler Hall Auditorium. "Spinal Tap" (1984), directed by Rob Reiner, with Christopher Guest and Michael McKean.

August 31, 10 p.m. and Sept. 1, 7:15 p.m. *Uris Hall Auditorium. "Citizen Kane" (1941), directed by Orson Welles, with Joseph Cotton.

Saturday

September 1, 10 p.m. *Uris Hall Auditorium. "Kamilla" (1981), directed by Vibeke Lokkeberg, with Nina Knapskog.

Sunday

Sept. 2, 2 p.m. *Johnson Museum Lecture Room. "Film/Video Animations and Graphics" (Program One) Animated Films by Robert Breer, Norman McClaren and others.

Sunday

September 2, 8 p.m. *Uris Hall Auditorium. "Starstruck" (1982), directed by Gillian Armstrong, with Jo Kennedy, Ross O'Donovan and The Swingers.

Monday

Sept. 3, 8 p.m. *Uris Hall Auditorium. "Fitzcarraldo" (1982), directed by Werner Herzog, with Klaus Kinski, Claudia Cardinale.

Tuesday

September 4, 8 p.m. *Uris Hall Auditorium. "The Unknown Chaplin" (1983), directed by Kevin Brounlow. Part One: The Mutual Period 1916-17; Part Two: The Unshown Chaplin: Part Three: The Unknown Chaplin.

Wednesday

Sept. 5, 8 p.m. *Uris Hall Auditorium. "Wuthering Heights" (1953), directed by Luis Bunuel, with Irasema Dilian, Jorge Mistral and Ernesto Alonso.

Thursday

Sept. 6, 4:30 p.m. *Uris Hall Auditorium. "The Patriotic Woman" (1979), directed by Alexander Kluge. Introduced by Professor Tim Corrigan. Temple University.

Friday and Saturday

Sept. 7, 10 p.m. and Sept. 8, 8 & 10:15 p.m. *Uris Hall Auditorium. "Carmen" (1983), directed by Carlos Saura, with Laura Del Sol and Antonio Gades.

Sept. 7, 7 p.m. and Sept. 8, 9:45 p.m. *Statler Hall Auditorium. "Broadway Danny Rose" (1984), directed by Woody Allen, with Mia Farrow and Nick Appollo Forte.

Sept. 7, 9 p.m. and Sept. 8, 7 p.m. *Statler Hall Auditorium. "Vertigo" (1958), directed by Alfred Hitchcock, with James Stewart and Lee Remick.

Sept. 7 and 8, midnight *Statler Hall Auditorium. "Eating Raoul" (1982), directed by Paul Bartel, with Mary Woronov, Robert Beltran and Buck Henry.

Sunday

Sept. 9, 2 p.m. *Johnson Museum Lecture Room. "Film/Video Animations and Graphics" (Program Two) Films by Sally Cruikshank, Jon Jost and others.

Sept. 9, 8 p.m. *Uris Hall Auditorium. "Suburbia" (1983), directed by Penelope Spheeris, with Chris Pederson and Jennifer Clay.

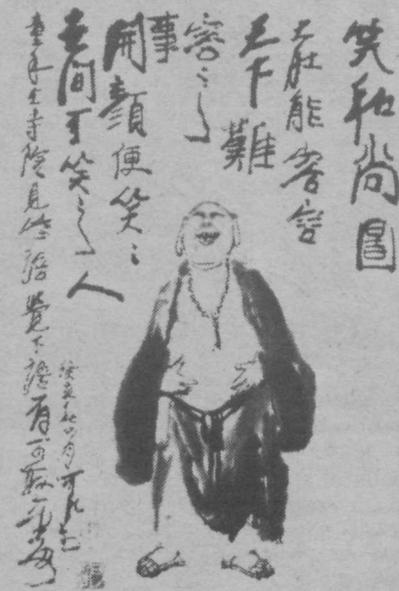
Dance

Every Thursday

Anabel Taylor One World Room, 8 p.m. Israeli Folk-Dancing. Teaching, 8-9 p.m. Requests 9-11 p.m.

Cornell Jitterbug Club

The Cornell Jitterbug Club will dance on Wednesdays from 9-11 p.m. in the Anabel Taylor Edwards Room, starting August 29. Beginners taught from 9-10. For information, call 256-3440.



Laughing Monk, 1983
Ink and color on paper

Cornell Folkdancers

The Cornell Folkdancers teaches folkdancing every Sunday and Wednesday evening from 7:30 to 9 p.m. Each session is followed by Request dancing until 10:30. Everyone welcome, no partners needed, free. For information, call 256-7149 or 257-3156. Sunday, Sept. 2, North Room, Willard Straight Hall. Wednesday, Sept. 5, Memorial Room, Willard Straight Hall. Sept. 5 is a special beginners night.

Music

Sunday

September 2, 4 p.m. Barnes Hall. Chamber Music: Sonya Monosoff, violin; Lynden Cranham, cello; George Barth, fortepiano. All-Beethoven program.

Religious Services

Catholic

Every Sat., 5 p.m. Anabel Taylor Auditorium. Mass. Every Mon.-Fri., 12:15 p.m. Anabel Taylor Chapel. Mass. Every Sunday, 9:30, 11 a.m. & 5 p.m. Anabel Taylor Auditorium. Mass. Sacrament of Reconciliation by appointment, G-22 Anabel Taylor Hall.

Christian Science

Every Thursday, 7 p.m. Anabel Taylor Founders Room.

Episcopal

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

Friends (Quakers)

Every Sunday, 9:45 a.m. Anabel Taylor Edwards Room. 9:45 a.m. Adult Discussion, 11 a.m. Meeting for Worship.

Korean

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

Muslim

Every Sunday-Thursday, p.m. Anabel Taylor 218. Every Friday, 1 p.m. Anabel Taylor Edwards Room.

Protestant Cooperative Ministry

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

Friday

Aug. 31, 6 p.m. Anabel Taylor Chapel. Shabbat Services (Reform Minyan).

Aug. 31, 6 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian Minyan).

Aug. 31 Shabbat Services (Orthodox Minyan). Call 272-5810 for information.

Saturday

Sept. 1, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox Minyan).

Sept. 1, 10 a.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian).

Sunday

Sept. 2, 11 a.m. Sage Chapel. A Non-Sectarian Chapel Service. Preacher: Robert L. Johnson. Director, Cornell United Religious Work.

Sunday

Sept. 9, 11 a.m. Sage Chapel. Sage Chapel Service. Preacher: Howard Feinstein, Adjunct Associate Professor, Department of Psychology, Cornell.

Lectures

Thursday

Sept. 6, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. University Lecture: "The Philosophical Discourse on Modernity and Postmodernity: I. Dionysic vs. Romantic Messianism: Nietzsche, Jürgen Habermas. Professor of Philosophy, University of Frankfurt; Member, Max-Planck Institute for Psychological Research, Munich."

Friday

Sept. 7, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. University Lecture: "The Philosophical Discourse on Modernity and Postmodernity: II. The Triple Heritage of Nietzsche: Critique of Instrumental Reason, Destruction of Metaphysics and Theory of Power."

Seminars

Rural Studies Group (Interdepartmental): "The Northern New York Agricultural Development Program," Robert Lucey, Agronomy; Larry Geohving, Agricultural Engineering; Carl Lowe, Plant Breeding; Robert Milligan, Agricultural Economics; Carl Pearce, Cooperative Extension, 12:15-1:30 p.m. Thursday, September 6, 101 Warren Hall.

Laboratory of Plasma Studies: "Helicity Balance and Sustained Operation of the CTX-Spheromak," Dr. C.W. Barnes, Los Alamos National Laboratory, 4:30 p.m. Wednesday, September 5, 282 Grumman Hall.

Chemistry: "Some Recent Developments and Future Prospects in Solid-State Chemistry," Dr. A.K. Cheetham, Oxford University, 4:40 p.m. Thursday, Sept. 6 — 119 Baker Laboratory. Informal discussion with postdoc and grad students at 4:00 in the Grad Lounge.

Noyes Foundation Funds Study of Groundwater

In recognition of the critical need to protect dwindling groundwater resources, the Jessie Smith Noyes Foundation has awarded a grant of \$103,107, over a three-year period, to the Cornell University Institute for Comparative and Environmental Toxicology.

The award provides for continued support of fellowships and research for a multidisciplinary project to study risk management with respect to chemical contamination of groundwater, and to enhance individual and community understanding of risk management decisions.

"The contamination of groundwater by a wide variety of toxic chemicals is a major environmental issue of the 1980s and poses a potentially serious threat to this and future generations," says Christopher Wilkinson, ICET Director, who will also direct the project.

"There is an urgent need to develop more effective risk management procedures that can be utilized to establish sound regulatory policies to protect groundwater resources," he explains. "Furthermore," says Wilkinson, "if these policies are to be implemented at the local level, it is essential to work more closely with individuals and local communities to increase their understanding of the public health and environmental risks associated with the problem."

The groundwater project utilizes the combined faculty expertise and other re-

sources available at the University and will provide research and educational opportunities for training future leaders in this field.

Participating in the study are Ann T. Lemley, an environmental analyst and chemist in the State College of Human Ecology; June Fessenden-Raden, associate professor and member of the Program on Science, Technology, and Society at Cornell; and Keith Porter, coordinator of the Cornell Water Resources Program. Three graduate students currently are receiving fellowship support from the Noyes grant for their training in risk management and ecotoxicology.

ICET serves as a focal point for all research, teaching, and Cooperative Extension activities in the broad, interdisciplinary area of environmental toxicology at Cornell, and facilitates the development of collaborative programs between faculty in many university departments. Ecotoxicology — the science that integrates knowledge in ecology and toxicology and assesses the potentially harmful impact of chemicals on natural populations, communities, and ecosystems — is just one of several major areas with which ICET is involved.

The Jessie Smith Noyes Foundation provides scholarship and other training support for programs that may contribute to the solution of current and continuing problems in specific aspects of the environmental, educational, and health fields. □

Immunization

Program Starts

Beginning this fall, all new students entering Cornell are required to show proof of adequate immunization against tetanus, diphtheria, measles, mumps, and rubella.

New students who have not submitted information to the Health Center regarding this health requirement by December 31, 1984, will not be permitted to register in January 1985, until such proof has been submitted. Clinics have been scheduled to assist new entering students in meeting this health requirement.

Returning students and student spouses are also urged to attend these clinics, although immunization for them is not a university requirement.

Last spring there were 83 reported cases of rubella at Cornell. Other universities have experienced similar epidemics of measles. The new health requirement was established to prevent future outbreaks and the sometimes serious health complications that can result.

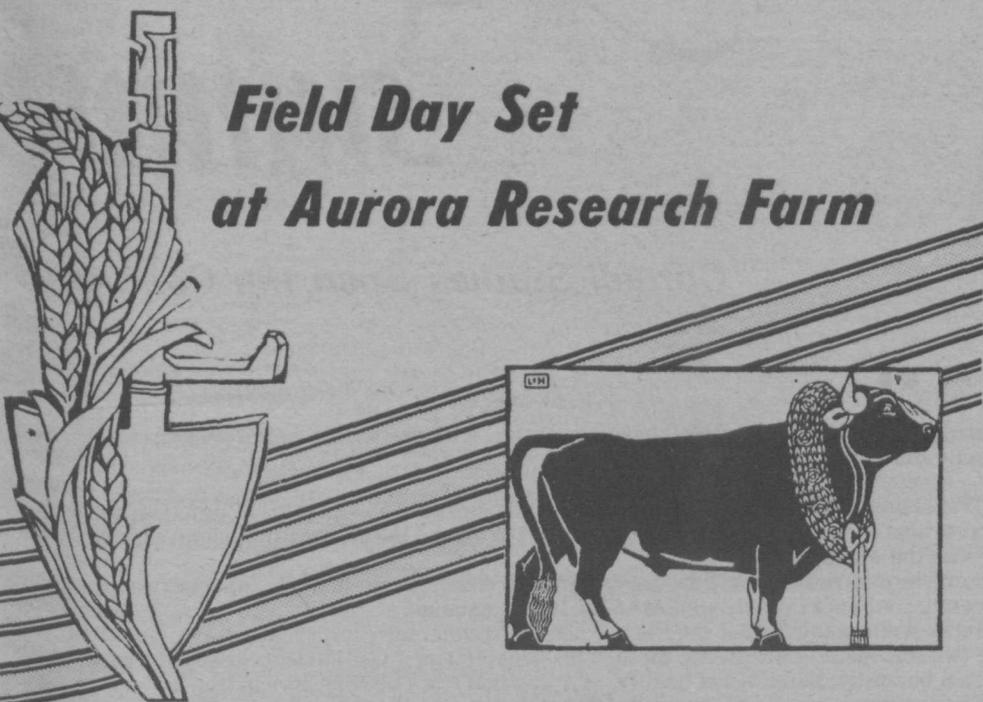
Rubella is a relatively mild disease. However, it can cause serious birth defects in children born to women who had rubella during their pregnancy. Therefore, it is necessary to not only protect women at risk, but to protect the community as a whole.

Measles is the most serious of these preventable diseases causing complications of deafness, birth defects, pneumonia, encephalitis, and death.

Students are encouraged to call the Health Services at 256-4364 for further information on immunization or the clinics. Students not able to attend one of the open clinics can call this phone number to make an appointment for a more convenient time.

Clinics will be held at Gannett Health Center on Floor 2 on the following dates: Wednesday, Oct. 24 from 10 to 11:45 a.m.; Thursday, Oct. 25 from 10 to 11:45 a.m. and 2 to 4 p.m.; Wednesday, Nov. 28 from 10 to 11:45 a.m. and Thursday, Nov. 29 from 2 to 4 p.m.

A fee may be charged for administration of vaccines. For further information call 256-4364. □



Field Day Set at Aurora Research Farm

Farmers and others in the agricultural and related industries in New York State are invited to a field day scheduled for Sept. 11 at Cornell's Aurora Research Farm. Attendance is free.

Sponsored by the New York State College of Agriculture and Life Sciences at Cornell and Cornell Cooperative Extension, the program focuses on new research developments and production techniques involving a variety of farm crops.

Topics to be discussed during the tour include effects of acid rain and weather on crop management, new techniques for boosting wheat yields, field trials involving numerous corn hybrids, tillage practices, summer seeding of alfalfa, crop rotation comparisons, cover crops as a source of nitrogen, effects of stalk rot and corn borer on corn production, and progress made in Cornell's corn breeding program. Operated since 1949 by Cornell's depart-

ment of agronomy, the 450-acre research farm is located between Poplar Ridge (Route 34B) and Aurora (Route 90) on the eastern shore of Cayuga Lake, 25 miles north of Ithaca.

Participants will ride hay wagons to visit numerous research and demonstration sites of the research farm. Along the tour route Cornell specialists will describe their research activities and answer questions. Speakers will be from the departments of agronomy, plant pathology, and plant breeding. Each wagon tour will last about three hours.

The day-long event will get under way at 9 am when the first wagon on the tour is scheduled for departure. The last wagon will leave the starting point at 1 p.m. Lunch may be bought at the farm. The outdoor event is expected to attract a large turnout.

For more information, contact Bill Pardee at 256-2180 or Stu Klausner at 256-2177. □

BARTON BLOTTER

Fifteen thefts, including a set of soccer posts and three soccer nets valued at \$1,380, were reported on campus during the seven-day period of Aug. 20 through 26, according to the morning reports of the Department of Public Safety.

A total of \$2,614 in cash and valuables was reported stolen. Three bicycles worth a total of \$375, five textbooks valued at \$125 and two wallets, one with \$90 and the other with \$95 in cash, as well as valuables were among the thefts reported. □

GRAD BULLETIN

The next regular meeting of the Graduate Faculty will be held at 4:00 p.m. on Friday, September 7, 1984, in the General Committee Room of the Graduate School, Sage Graduate Center, to approve the degree list for August degrees.

International Graduate Students who submitted TOEFL scores below 600 or ALIGU test scores, and who did not take the English Placement Test last Monday, must report for a makeup test on Wednesday, September 5, at 6:45 p.m. in room 106 Morrill Hall.

Ph.D. candidates who pass their thesis defenses and submit their theses by September 21, 1984 will not have to pay a \$200 active-file fee.

September 21 is the last day to enroll in courses without being charged a \$10 late fee.

Need-based Financial Aid, including Guaranteed Student Loans, is now administered by the Graduate Fellowship and Financial Aid Office, 116 Sage Graduate Center. All GAPSAS forms and supporting documentation as well as GSL applications should be submitted to this office. Questions concerning the awarding of hourly College Work Study, National Direct Student Loans, work-study funded Teaching Assistantships, and Guaranteed Student Loans should be directed to the Graduate Fellowship and Financial Aid Office. Questions concerning fellowships, scholarships and traineeships should also be directed to this office.

Questions about assistantships should be directed to the departmental office providing the award. Questions about payments of loans and

college work-study should be directed to the Graduate Office of Financial Aid, 116 Sage Graduate Center.

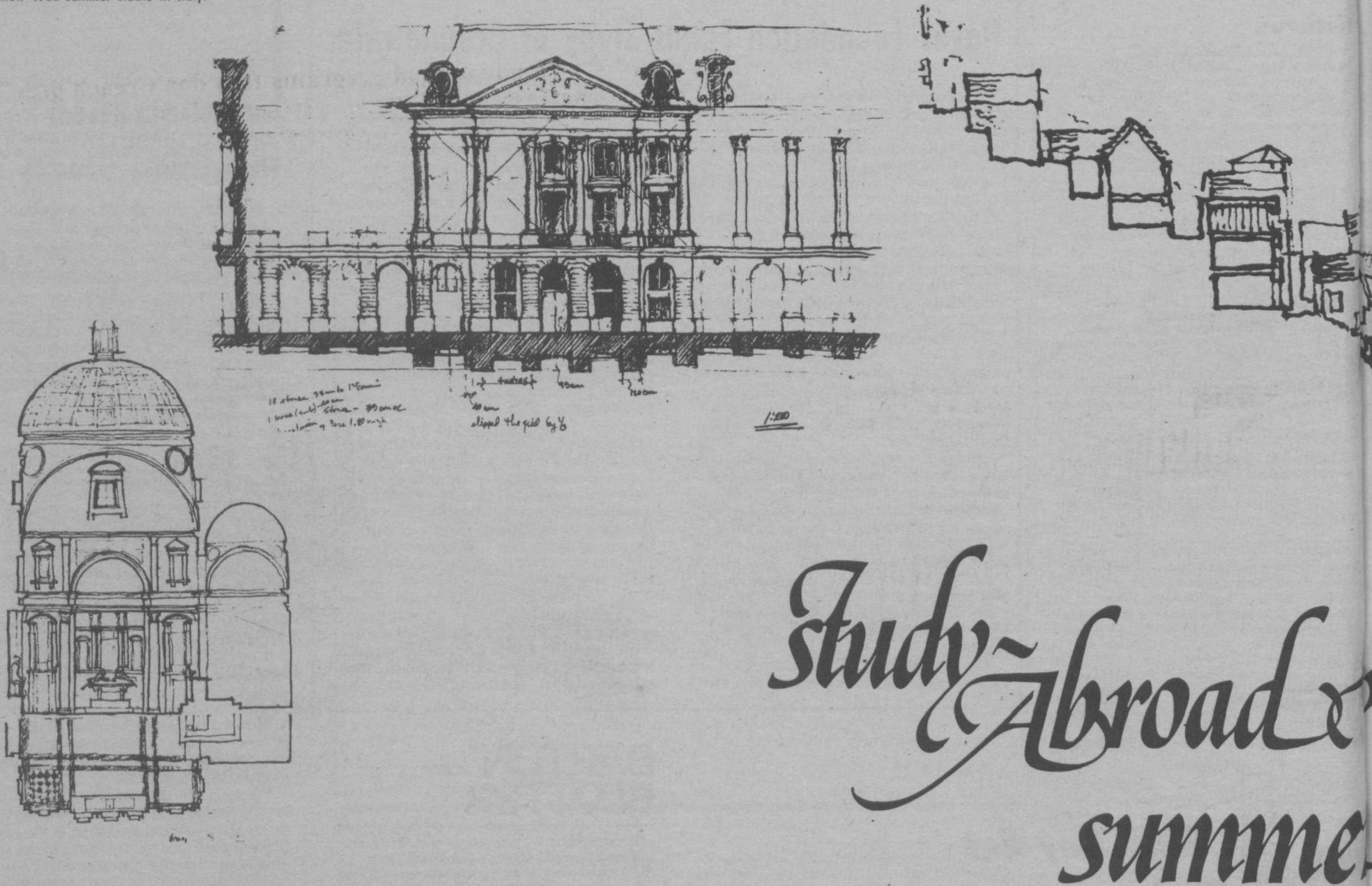
September 28 is the deadline for submitting Fulbright and other IEE grants for the Study Abroad Program. Application forms and further information are available from Linda Kao at 100 Sage Graduate Center. Forms and information are also available for the new Fulbright Collaborative Research Program. Application deadline is January 16, 1985.

Graduate students who are receiving tuition assistance from Cornell administered sources must apply for a Tuition Assistance Program (TAP) award through the New York State Higher Education Services Corporation (NYSHESC) if they meet New York state residence requirements. Other graduate students who are New York state residents should also apply for a TAP award even if tuition is not paid by a fellowship or assistantship. Contact the Bursar's Office, 260 Day Hall, for information and application forms.

Graduate students who are receiving tuition assistance from Cornell administered sources who are not eligible to receive TAP must submit a TAP Acceptance Form to the Graduate Fellowship and Financial Aid Office.

Cornell graduate fellowships, traineeships, assistantships, and scholarships do not provide for Student Health Insurance charges. Students are personally responsible for these expenses. Those not wanting to participate in the insurance plan must submit a waiver card to Gannett Health Center to cancel this coverage. □

Sketches were made by architecture students during their 1982 summer studio in Italy.



Study-Abroad Summer

Cornell Studies Span the Continents

Jerusalem, Copenhagen and Dar es Salaam were all part of the Cornell campus this summer, as were Bhubaneshwar, Paris, and a sugar refinery outside Caracas.

Opportunities for studying abroad this summer were as diverse as the university itself, with programs conducted by most of Cornell's six undergraduate schools and colleges, and its four Ithaca-based graduate schools and colleges.

As individuals and in groups ranging from four to 40 people, Cornellians have taken advantage of such opportunities this summer as:

Digging through the ancient ruins of Apeh and Antipatris, at the 25-acre mound of Ras el'Ayn in Israel. The group of 13 explorers, led by David I. Owen, professor of near Eastern history and archaeology in the College of Arts and Sciences, was part of the sixth consecutive summer of collaboration between Cornell and the Tel Aviv University Institute of Archaeology;

Helping to operate and maintain small-scale irrigation systems in developing countries. Doug Vermillion, a graduate student in rural sociology, traveled to Indonesia as part of an international team led by E. Walter Coward, Jr., professor of rural sociology and of Asian studies. Two Cornell agricultural engineering students, Ray Norman and John Wells, went to Niger to conduct graduate-level research. Norman traveled to Africa in June, arriving from Paris where he had been reviewing literature on the irrigation of Sahelian West Africa. Norman's research in Niger will keep him there until early 1986;

Learning first-hand the limitations imposed on a veterinarian and on the doctor's clientele in a tropical climate where there is little, if any, modern technology or hygiene. Four members of Veterinarians in Developing Areas, a student organization founded at Cornell, went to the Orissa Veterinary College in Bhubaneshwar, India. Dr. Prabin Mishra, an Orissa graduate and an assistant in the New York State College of Veterinary Medicine at Cornell, helped set up the trip;

Researching African folklore and literature, and working with women's groups in rural development. Caryl Robertson, a graduate student in African Studies, traveled to Zanzibar and Tanzania, with assistance from Operation Crossroads Africa; and

Finding the links connecting Europe's cultural history and the architecture of such cities as Paris, Venice and Stockholm. Faculty from the College of Architecture, Art, and Planning led two study trips this summer: 27 architecture students took the Paris-Veneto trip, and 40 more went to Norden, the region including Scandinavia and Finland. Side trips

were an integral part of both of these itineraries, with the Norden-based students going briefly to Leningrad, among other places.

Travel broadens the teaching and research opportunities available to Cornell students. Travel also enables Cornell students and staff to extend the university's public service role, to the world at large.

Some international programs are designed to enhance course work; others are a necessary adjunct to basic studies on the Ithaca campus.

Jerry Wells, chairman of the Department of Architecture described a major benefit of the two European trips offered through his department: "Our students need to be exposed to real buildings, buildings of quality, in a way that can't be done here in Ithaca."

Foreign travel also has long-range advantages to a student's profession or career, as well as the immediate effect of expanding the student's perspective. In many professions, working abroad is a realistic possibility following graduation.

For example, there are currently several international organizations willing to employ veterinarians to work in foreign countries, according to Dr. Mishra, an assistant in the veterinary college's anatomy department. However, some orientation is necessary before beginning overseas employment.

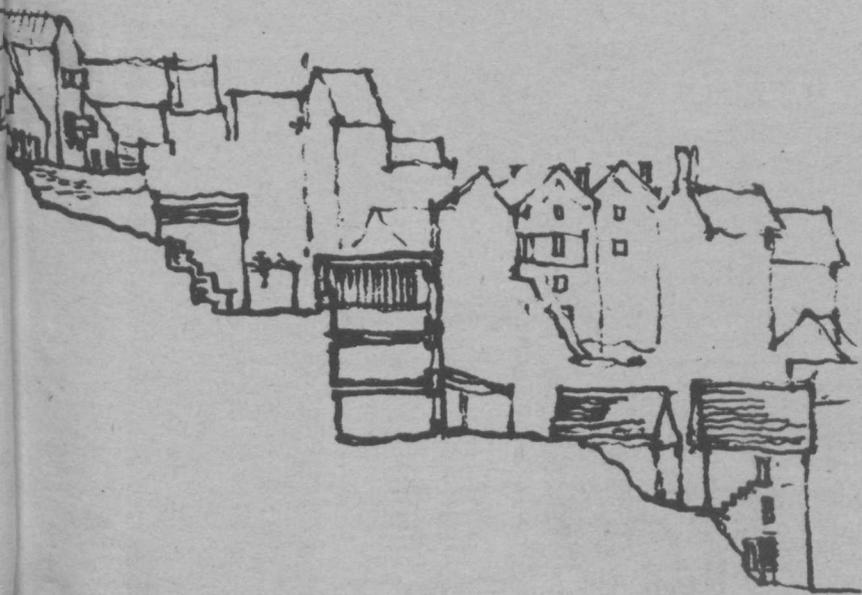
"If students are not at all familiar with an area," he said, "their expectations are higher and when they arrive they might not be able to work there. Mental preparation is at least as important as the acclimatizing that needs to be done physically and, often, socially."

Interest in international possibilities for practicing veterinary medicine has been strong at Cornell for a number of years, according to Dr. George Poppensiek, the James Law Professor of comparative medicine at the College of Veterinary Medicine and former dean. He cited last spring's elective course, "Veterinary Medicine in Developing Countries," as an example.

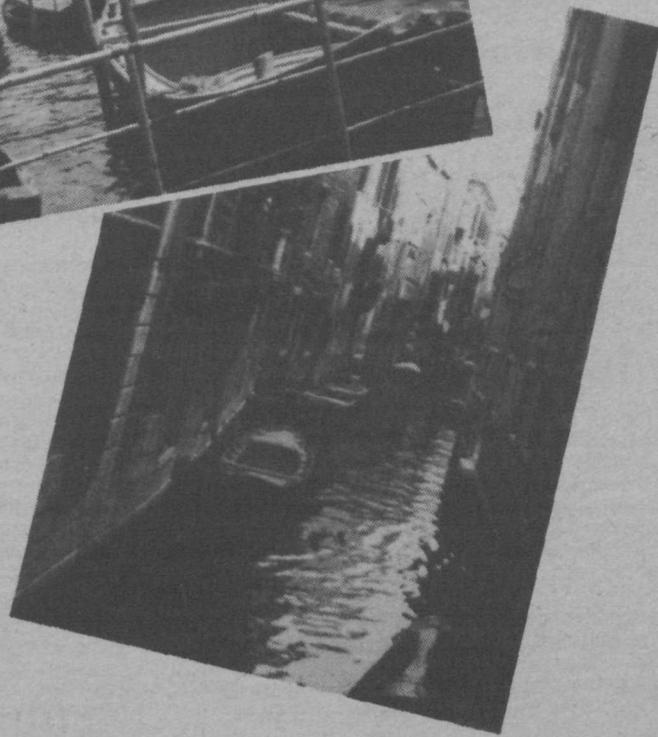
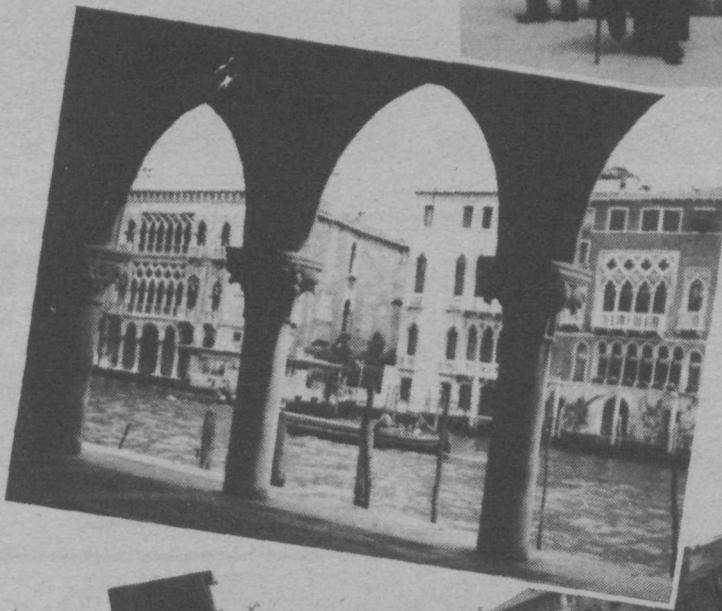
Students' requests led to the course, which was developed and led by Dutch-born Dr. Karel Schat of the Vet College's Department of Avian and Aquatic Animal Medicine. Each Friday afternoon session included a 50-minute lecture, followed by an hour or more of discussion between the 15 students and the week's visiting speaker.

Cornellians embarking on summer travel that involved academic credit, such as the archaeology and architecture trips, enrolled through the Division of Summer Session, Extramural Study and Related Programs. That division's Summer Session office sponsors and handles registration for all credit programs offered in the summer.

“Study-abroad programs that don’t reach pre-professionals, students in our undergraduate programs, fail to reach the people who need them most,” said Greenwood, the John S. Knight Professor of International Studies.



wrap-up 1984



Robert D. MacDougall, dean of that division, emphasized that his staff is committed to extending the university’s offerings, making it easier for both undergraduate and graduate students—as well as alumni and members of the community—to take advantage of such educational opportunities.

In addition to helping match interested, qualified students with appropriate study-abroad opportunities, Cornell’s Center for International Studies (CIS) is actively engaged in expanding such opportunities.

With assistance from the CIS International Public Affairs office, for example, one Cornellian arranged his own summer trip. Dean Gray, a Graduate School of Management student specializing in rural development administration, was at a sugar refinery near Caracas during the summer, working closely with the planning and operations staff of the facility.

Another trip to Venezuela is being planned for the fall semester, also with the help of CIS staff. Three undergraduate engineering majors will spend the fall semester there, as an extension of the already successful Engineering Cooperative program. Through “Coop,” an undergraduate student in the College of Engineering goes for a semester or more to a work place in industry, as a paid professional employee.

Present plans include developing an international exchange program, into which placements such as this fall’s trip to Venezuela would fit. Arranging such exchanges fits beautifully into CIS’s emphasis on international pre-professional preparation for Cornell undergraduates, according to CIS director Prof. Davydd J. Greenwood.

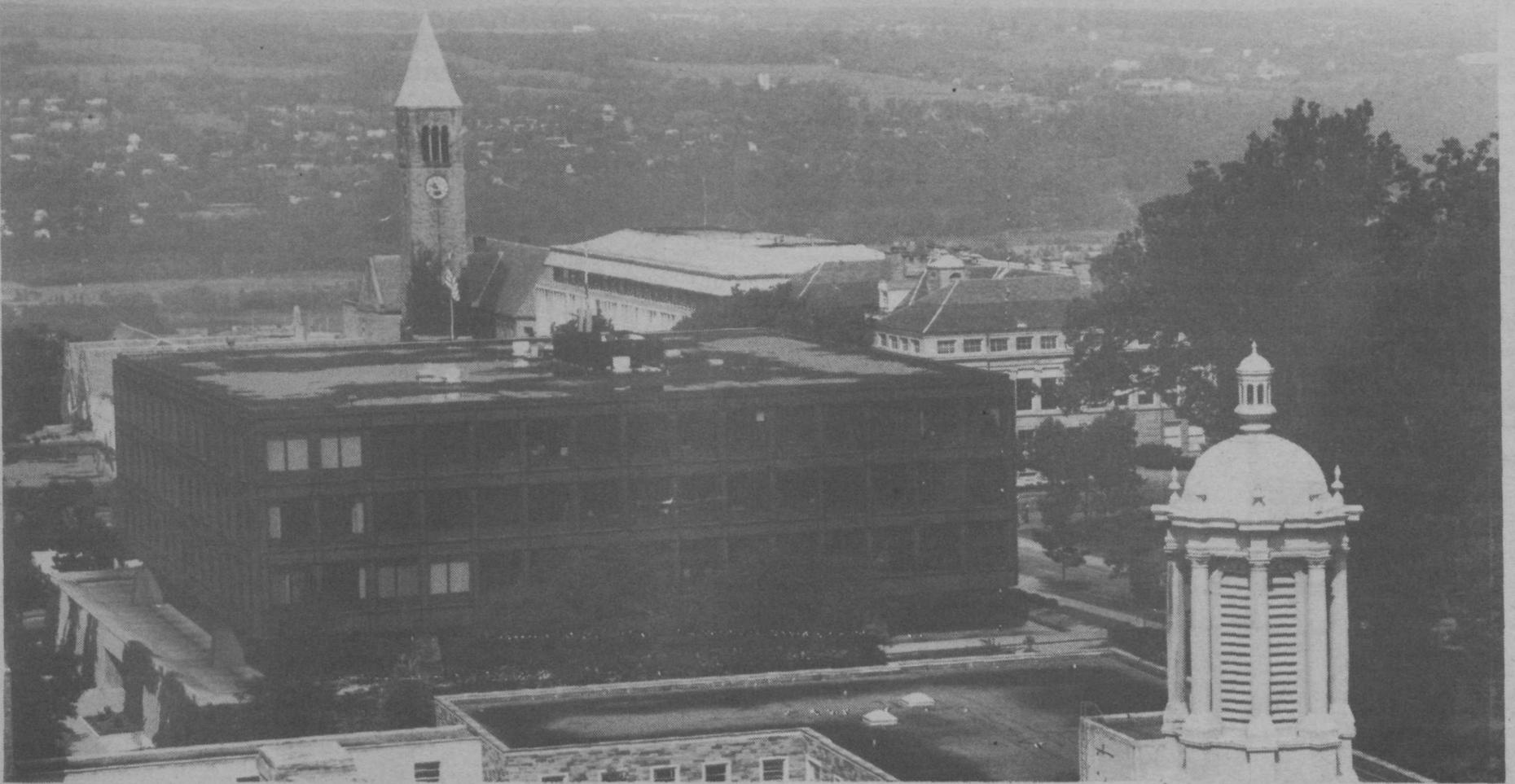
Citing University President Frank Rhodes’ most recent “State of the University” address, Greenwood stressed university efforts to encourage study-abroad for undergraduates.

“Study-abroad programs that don’t reach pre-professionals, students in our undergraduate programs, fail to reach the people who need them most,” said Greenwood, the John S. Knight Professor of International Studies.

He added that by looking toward Latin America and Asia for placements such as the ones this fall for engineering students, Cornell avoids regarding Europe, and specifically Western Europe, as the only place for study-abroad programs.

“Although robust study-abroad programs in Europe are being actively developed, through this approach,” Greenwood said, “we’re giving Cornell students a chance to see the rest of the world, as well.”

Dennis Moore



Late summer over Cornell and West Hill.

Cornell University Job Opportunities

Number 35 Please Post

Cornell University is an equal opportunity, affirmative action employer.

University Personnel Services
Day Hall
Ithaca, New York 14853
607/256-5226

Employee Transfer Applications: Employees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit them to Staffing Services. Individuals with official University layoff status will be given preference in referrals.

This listing is also available on CUINFO Cornell University's computerized information service. For further CUINFO details, contact the Information and Referral Center at 256-6200 or Computer Services.

New vacancies are listed for two weeks in Job Opportunities.

*Asterisks identify jobs that were not listed last week.

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

Please Note:

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the Cornell Chronicle.

Job Opportunities lists current vacancies within the University, consistent with the University's commitment to promotion from within, affirmative action, and equal opportunity employment.

Applications for employment are available at Cornell University's employment office at East Hill Plaza at the intersection of Ellis Hollow Road and Judd Falls Road in Ithaca, from 9:00 a.m. to 12:00 noon, Monday through Friday. Applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca, N.Y. 14853. For more information on jobs listed, contact Staffing Services (607) 256-5226.

sonal computers and Lotus 1-2-3 desired. Please send cover letter and resume by September 20, 1984.

Job Number: PT341

Position: Administrative Supervisor
 Department: Africana Studies and Research Center

Description: Manages the daily operations of the Africana Studies and Research Center administrative office and supervises the clerical support staff; provides support for director; maintains administrative and personnel files; assists for preparation of budget; maintains records of expenditures and allocations, etc.

Requirements: Bachelor's degree and 2 years office experience or Associate's degree and 4-6 years office experience. Strong interpersonal, communication, organizational and supervisory skills. Accounting and budgeting knowledge, word processor and computer. Please send cover letter and resume by September 7, 1984.

Job Number: PC332

Position: Systems Analyst III
 Department: Computer Services (APS)

Description: Designs and programs administrative systems. Individual will work in a project group developing major software packages for the University; develops interface between existing software packages.

Requirements: Bachelor's degree. Three to 5 years experience in mainframe computing and an ability to work with a diverse population of users. Experience with data-base management systems is extremely helpful.

Minimum Starting Salary: \$20,000

Job Number: PT344

Position: Research Support Specialist II
 Department: Agricultural Economics
 Description: Assumes a major responsibility in conducting data collection and analysis for a nation-wide study of the supermarket delicatessen. Some travel is required. Familiarity with computers is desired. Position available until August 31, 1985.

Requirements: Bachelor's degree in economics or marketing. Master's degree or equiv. work experience preferred. Excellent interviewing skills. Experience and/or course work in eco-

nomics or marketing, especially with the food industry helpful.

Minimum Starting Salary: \$17,000/annual equiv.

Job Number: PT345

Position: College Registrar
 Department: ILR-Baruch Program, New York City

Description: Provides registrar and administrative support for the ILR/Baruch Master's Degree Program in New York City.

Requirements: Bachelor's degree required. Graduate degree in business or educational administration preferred. Experience in college admissions, program management, advising and counseling. Please send cover letter and resume by August 30, 1984.

Minimum Starting Salary: \$17,000

Job Number: PC348

Position: Applications Programmer Analyst I
 Department: Computer Services (APS)
 Description: Supports administrative programming staff in the use of ADABAS and

*Asterisks identify jobs that were not listed last week.

Administrative/ Professional

The minimum salaries listed are for recruitment purposes only.

*Position: Systems Programmer I

Department: Theory Center

Description: Under direct supervision, installs, modifies, maintains, and develops large-scale operating systems software and hardware.

Requirements: B.S. or equiv. in computer science. Experience with UNIX operating system. Some programming experience required.

Minimum Starting Salary: \$16,500

Job Number: PT352

Position: Research/Planning Associate
 Department: Institutional Planning and Analysis

Description: Develops links between reporting and analysis of University financial information and trend analyses of non-financial information; identifies and develops communication links between administrative data-bases; provides support to the University planning process; provides project support as necessary.

Requirements: MBA or equiv. experience. Knowledge or experience with accounting or budgeting processes. Good communication skills. Familiarity with data processing systems, per-

NATURAL, and in making effective use of Tech Support. Codes and debugs on-line NATURAL programs used to access APS internal and system related information in the ADABAS file system.

Requirements: Bachelor's degree or equiv. with computer-related courses is normally required. Experience with machine architecture, programming languages, production procedures and system utility programs is necessary.
Minimum Starting Salary: \$16,500
Job Number: PT3411

Position: Research Support Specialist I
Department: Veterinary Pathology
Description: Develops and validates new cell culture procedures and immunological and virological assays as well as supervises technicians and trains graduate students in laboratory procedures.

Requirements: B.S. and/or M.S. or equiv. Two to 3 years experience in tissue culture and immunology and/or virology laboratory. Evidence of ability to write at level required for publication.

Minimum Starting Salary: \$16,000
Job Number: PT347

Position: Executive Staff Assistant I
Department: Theory Center
Description: Under general direction, provides administrative and program support to the Director and Executive Director for the Center of Theory and Simulation in Science and Engineering (Theory Center). Communicates University policy on matters which include University-industry relations, patent policy, sponsored research; attends meetings; writes and updates research publications; handles special assignments as needed.

Requirements: B.A., B.S. or equiv. At least 3 years program experience in scientific research organization. Excellent organizational, interpersonal and communication (written and oral) skills. Knowledge of micro computer helpful. Ability to make independent decisions. High level of confidentiality. Please send cover letter and resume by September 7, 1984.

Minimum Starting Salary: \$16,000
Job Number: PC3410

Position: Administrative Supervisor I
Department: Purchasing
Description: Supervises non-exempt support staff (15); prepares payrolls; maintains personnel and payroll files; prepares forms; interviews, disciplines, trains, schedules and controls work assignments; conducts staff meetings; assists with development of budget, departmental policies and procedures; provides administrative support for Assistant Manager and Purchasing Agent.

Requirements: Associate's degree or equiv. At least 3 years supervisory experience. Excellent communication, organizational and supervisory skills. Knowledge of Cornell accounting system and purchasing protocol preferred. Knowledge of word processor/computer helpful. Please send cover letter and resume by August 31, 1984.

Minimum Starting Salary: \$13,625
Job Number: PC346

Position: Budget Analyst I
Department: Endowed Budget Office
Description: Establishes, documents and maintains procedures and schedules for maintenance and use of computerized budget system; coordinates development and use of the budget system and oversees execution of operating routines; defines schedules and procedures and supervises staff in the maintenance and use of the computerized budget line-item system; coordinates systems interface and the definition and maintenance of all computer and operating procedures with external offices; controls budget adjustment processes and reconciles the operating budget to monthly reports of budget actions; controls authorized positions and line-item budgets through monitoring of the line-item budget system; coordinates input activities, and reports generation for future years' budget proposals and for the annual salary improvement process; coordinates retrieval of system-generated reports and summaries.

Requirements: Associate's degree or equiv. in business/finance. One-2 years related experience. Strong oral/written communication and interpersonal skills. Proven supervisory ability. Familiarity with computer processing systems preferable.

Minimum Starting Salary: \$15,000
Job Number: P3413

Position: Research Support Specialist II
Department: Food Science
Description: Oversees an analysis laboratory operation including supervision of lab staff; cooperates with other research groups and trou-

ble shooting analytical methods. Aids principal investigator in conducting research, prepares publications and grant proposals.

Requirements: M.S. or B.S. in dairy chemistry, food science, biochemistry or related field with 3-5 years lab experience. Supervisory experience desirable, plus experience with electrophoresis, gas chromatography, and spectrophotometric analysis methods.

Minimum Starting Salary: \$15,000
Job Number: PT349

Position: Staff Nurse
Department: University Health Services
Description: Assist the nurse supervisor with the management of clinic flow and operation of the Contraception, Gynecology, and Sexuality Service (CGSS). This is a 9 month position.

Requirements: B.S. degree or equiv. in nursing. New York State Licensed Registered Nurse Certificate. Family planning experience desirable. Some RN and managerial experience.

Minimum Starting Salary: \$15,000/annual equiv.
Job Number: PT3310

Clerical

All applicants interested in positions requiring typing must take an official University test. Tests are given Mondays and Wednesdays at 10:00 a.m., Room 337, Statler Hall. Please contact Staffing Services for an appointment.

*Position: Financial Aid Assistant, GR19
Department: Graduate School
Description: Processes all Guaranteed Student Bank Loans; maintains all need-based financial aid files, need analyses; typing and word processing of need-based financial aid correspondence and mailings; extensive use of CRT.

Requirements: H.S. ed. or equiv. Associate's degree or equiv. useful; some college courses useful. Medium typing. At least 1-2 years financial aid experience. Knowledge of word processing. Operation of CRT. Excellent organizational, interpersonal and communication skills.

Minimum Starting Salary: \$11,125
Job Number: C356

*Position: Secretary, GR18
Department: Unions and Activities
Description: Basic information source for public and telephone contacts as well as serving as receptionist. Types for 4-6 administrative staff and student organizations that includes financial typing; answers a 15-line telephone system; assists with several major programs and projects.

Requirements: H.S. ed. or equiv. Heavy typing. Familiarity with use of a dictaphone and adding machine. Excellent telephone technique. Good organizational skills. Ability to deal with a variety of tasks and cope with interruptions. Ability to interact well with students.

Minimum Starting Salary: \$10,500
Job Number: C3511

*Position: Secretary, GR18
Department: Society for the Humanities
Description: Receptionist for the A.D. White House. Provides secretarial support for ten (10) faculty fellows; assists in scheduling, billing and coordinating events held in the A.D. White House; prepares and distributes mail; arranges security for all events held in the A.D. White House and oversees daily security.

Requirements: Associate's degree or equiv. with interest in the humanities. Medium typing. Knowledge of or willingness to learn word processor. Excellent organizational, interpersonal and communication skills.

Minimum Starting Salary: \$10,500
Job Number: C355

*Position: Receptionist/Switch Board Operator

Department: Boyce Thompson Institute. Contact Department directly — see below.

Description: Answers incoming calls on easy-to-learn computerized telephone console; routes calls and messages to staff members; greets and directs visitors. Accurate typing; miscellaneous clerical duties.

Requirements: H.S. ed. or equiv. Medium typing. Secretarial experience desirable. Excellent interpersonal and communication skills. Service oriented.

Minimum Starting Salary: \$9,500
Contact: Greta Colavito, Boyce Thompson Institute, 257-2030.

Position: Administrative Aide, GR19
Department: Government
Description: Provides

secretarial/administrative support for the Directors of undergraduate studies and the Cornell-in-Washington Programs; establishes, maintains and monitors student records; prepares undergraduate teaching materials; provides secretarial assistance to department; types correspondence and manuscripts.

Requirements: H.S. ed. or equiv. Associate's degree or equiv. preferred. Medium typing. Two years administrative secretarial experience. Familiarity with word processing equipment. Experience in academic environment helpful.

Minimum Starting Salary: \$11,125
Job Number: C348

Position: Secretary, GR19
Department: Graduate School of Management
Description: Provides secretarial and administrative support to the Assistant Dean. Responsible for typing correspondence, proposals, etc. Assists in planning and coordinating meetings, lectures and forums. Handles travel scheduling, reservations, filing, and address updates.

Requirements: H.S. ed. or equiv. Some business or secretarial school desirable. Heavy typing. Strong interpersonal and communication skills. Excellent typing and word processing abilities. Must work well under pressure. Ability to interact with a variety of people both in the office and the University community.

Minimum Starting Salary: \$11,125
Job Number: C3415

Position: Secretary, GR19
Department: LASSP
Description: Provides secretarial support for 4-5 faculty members and their research groups; assists professors in preparation of grant proposals; types and prepares articles for publication; maintains professors' calendars and makes travel arrangements.

Requirements: AAS Secretarial Science degree or equiv. Heavy typing. Good technical typing and communication skills essential. Knowledge of Cornell and Ithaca communities helpful. Strong organizational skills. Ability to work independently. Experience with Microm word processor helpful.

Minimum Starting Salary: \$11,125
Job Number: C349

Position: Senior Departmental Assistant, GR18
Department: Reference/Olin Library
Description: Acts as general department assistant; provides variety of informational, secretarial and clerical services; staffs Information Desk; answers in-person and telephone inquiries; assists users with identifying and locating publications; types letters, reports and booklists; performs general office duties; makes signs; assists with publication formats; assists reference librarians with projects.

Requirements: AAS degree or equiv. preferably in social sciences or humanities. College degree preferred. Medium typing. Strong interpersonal skills. Graphics ability. Some micro computer experience desirable.

Minimum Starting Salary: \$10,500
Job Number: C3412

Position: Accounts Assistant, GR18
Department: Clinical Science
Description: Responsible for the collection of all charges for hospitalized cases of the Small Animal Clinic and the preparation of billing statements at the time of discharge of the patient. Full-time 39 hours per week M-F; some scheduled Saturday A.M.

Requirements: H.S. ed. or equiv. plus some college with accounting and bookkeeping courses or equiv. experience. At least 1-2 years of accounting or bookkeeping experience necessary. Billing experience in a medical setting desirable.

Minimum Starting Salary: \$10,500
Job Number: C342

Position: Office Assistant, GR18
Department: Cornell Dining
Description: Coordinates and conducts the daily purchasing of food and equipment for the Department of Dining.

Requirements: Associate's degree or equiv. and 2 years related experience or the equiv. combination of education and experience.

Minimum Starting Salary: \$10,500
Job Number: C3414

Position: Secretary, GR18
Department: State Programs Office
Description: Provides secretarial/receptionist support to the Director and Assistant Director of the State Programs Office. Assists and interacts with approximately 150 Opportunity Program students; duties include typing, word processing, making travel arrangements and receiving office visitors.

Requirements: H.S. ed. or equiv. Heavy typing. At least 1-2 years related experience. Strong interpersonal and communication skills. Word processing experience preferable.

Minimum Starting Salary: \$10,500
Job Number: C3416

Position: Secretary, GR18
Department: University Relations
Description: Provides secretarial support to the administrative supervisor and Director of University Relations; arranges meetings, makes travel arrangements; prepares advance and reimbursement forms; takes telephone messages; types daily correspondence, drafts and confidential statements; handles inquiries in person and by telephone regarding Cornell.

Requirements: H.S. ed. or equiv. Business or secretarial school preferred. Heavy typing. Must be familiar with IBM Displaywriter. Very strong interpersonal and communication skills. Knowledge of Cornell campus extremely helpful.

Minimum Starting Salary: \$10,500
Job Number: C343

Position: Secretary, GR18
Department: Clinical Sciences
Description: Provides secretarial/clerical support to faculty of the Department of Clinical Sciences; types referral letters, class and lecture notes, manuscripts; organizes travel; makes reservations; arranges meetings; maintains files.

Requirements: H.S. ed. or equiv. Business or secretarial school preferred. Heavy typing. Knowledge of medical nomenclature. Word processing experience. Good typing skills (accuracy plus speed). At least 2 years experience as a medical secretary preferred.

Minimum Starting Salary: \$10,500
Job Number: C344

Position: Secretary, GR18
Department: Biological Sciences
Description: Serves as receptionist/secretary to Associate Director and provides secretarial and clerical support for 2 staff members; acts as information resource person in busy student-oriented office, responding in person and on the telephone to questions from students, faculty, and visitors from off campus.

Requirements: H.S. ed. or equiv. Work experience or course work in college/university setting. Medium typing. Some receptionist/secretarial experience preferred. Experience or willingness to learn Xerox 860 word processor. Accurate typing. Interest in working with computers. Strong interpersonal and organizational skills.

Minimum Starting Salary: \$10,500
Job Number: C346

Position: Secretary, GR18
Department: University Health Services
Description: Provides secretarial support for 9 therapists; assists head secretary in maintaining patient flow, client records; answers telephone; schedules appointments; types; files. Provides back-up to head secretary. This position is a 10.5 month appointment.

Requirements: H.S. ed. or equiv. At least 2 years office experience. Heavy typing. Ability to use dictating equipment. Ability to work under pressure and deal with a variety of people. Some familiarity with psychological terminology. Confidentiality a must.

Minimum Starting Salary: \$10,500/annual equiv.
Job Number: C338

Position: Secretary, GR16
Department: University Health Services
Description: Provides secretarial support for the Athletic Medicine Service (AMS); provides medical assistance for clinicians and medical clearance assistance for intercollegiate athletes; other duties as assigned. This is a 9 month position. M-F 8:00 A.M.-4:30 P.M. July-August; M-F 8:30 A.M.-5:00 P.M. September-April.

Requirements: H.S. ed. or equiv. AAS degree or equiv. in medical assistant program preferred. Light typing. Medical office experience. Knowledge of orthopedic terminology helpful. Strong interpersonal and communication skills.

Minimum Starting Salary: \$9,494/annual equiv.
Job Number: C3413

*Position: Accounts Coordinator, GR20
Department: Theoretical and Applied Mechanics

Description: Maintains all department and research accounts; processes all orders and payments; balances monthly accounts; Graduate Field Representative records and correspondence. Performs other duties as assigned.

Requirements: H.S. ed. or equiv. Associate's

degree or equiv. in accounting desirable. Medium typing. General office experience. Knowledge of Cornell accounting system helpful. Excellent organizational, interpersonal and communication skills.

Minimum Starting Salary: \$11,739
Job Number: C357

*Position: Research Aide, GR20 (Repost)
Department: C.R.S.R. (Laboratory for Planetary Studies)

Description: Responsible for a broad range of technical duties including library research; some computations on hand calculators and small computers; types scientific papers, purchase orders, vouchers; government grant-related work; composing, filing and mailing of a heavy volume of correspondence; oversees work-study student(s); maintains records of professional organizations, journal subscriptions, book orders; travel arrangements and travel reimbursements.

Requirements: Associate's degree or equiv. Heavy typing. Some scientific background. Substantial secretarial experience. Excellent organizational, communication and interpersonal skills (written and oral). Ability to set priorities and to work in a complex, active environment. Experience with Micom word processor helpful. Knowledge of Cornell library system.

Minimum Starting Salary: \$11,739
Job Number: C235

*Position: Accounts Assistant, GR19
Department: Floriculture and Ornamental Horticulture

Description: Provides total clerical and accounting support to the Department's Administrative Manager; assists in purchasing; preparation of vouchers and requisitions; travel forms; budget preparation; analysis of accounts; maintenance of payroll records, etc.

Requirements: H.S. ed. or equiv. with at least 5 years experience in field. Associate's degree desirable. Medium typing. Good accounting skills in accounting procedures. Computer competency required. Previous experience with word processor and calculator required. Some institutional business experience desirable.

Minimum Starting Salary: \$11,125
Job Number: C358

Position: Secretary, GR18
Department: Minority Educational Affairs
Description: Provides secretarial/receptionist support for 2 Assistant Directors of the Minority Educational Affairs Office. Duties include typing, word processing, making travel arrangements, and receiving office visitors.

Requirements: H.S. ed. or equiv. Heavy typing. At least 1-2 years related experience. Strong interpersonal and communication skills. Word processing experience preferable.

Minimum Starting Salary: \$10,500
Job Number: C3417

General Service

*Position: Cook, SO18
Department: Residence Life (Endowed)
Description: Cleans, prepares and cooks food for University-owned fraternity. Cleans all food preparation areas, cooking areas and assists in keeping storerooms and refrigerators sanitary; aids student steward in menu planning and food purchases as needed. Must be able to work with little supervision and with student volunteers; ability to oversee student helpers preferred. M-Th. 7 hrs./day; F-Sat. 5 hrs./day.

Requirements: H.S. ed. or equiv. Ability to follow recipes accurately, operate standard food preparation and cooking equipment. Experience in large quantity preparation is essential. Some years experience as a cook. Good organizational skills.

Minimum Starting Salary: \$4.98/hr.
Job Number: S351

*Position: Dairy Worker, SO18
Department: Clinical Science (Statutory)
Description: Feed, bed and groom large animals. Checks and reports abnormal behavior of bovine patients. Milk cows and maintains cleanliness in the work area. Hours to be arranged.

Requirements: H.S. ed. or equiv. Must be able to perform heat detection on cows. Keep accurate records.

Minimum Starting Salary: \$5.41/hr.
Job Number: S3511

*Position: Food Service Worker, SO17
Department: Unions and Activities (Endowed)

Description: Assists food service manager in operation of the Big Red Barn and Alfalfa Room;

plans daily menu; oversees student employees; begins daily operation. May also assist in evening and weekend catering. M-F 7:30 A.M.-3:30 P.M.; possible evenings and weekends. This is a 9 month position.

Requirements: H.S. ed. or equiv. One-2 years food service, supervisory experience helpful. Some cash handling and bookkeeping experience helpful. Must be flexible as to hours and days available.

Minimum Starting Salary: \$4.69/hr.
Job Number: S3510

*Position: Custodian, SO16
Department: Residence Life (Endowed)
Description: Provides general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. M-F 7:30 A.M.-4:00 P.M.

Requirements: H.S. ed. or equiv. Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.47/hr.
Job Number: S352

*Position: Custodian, SO16
Department: Residence Life (Endowed)
Description: Assumes primary housekeeping responsibility for the area to which assigned. M-Th 7:30 A.M.-4:00 P.M.; F 7:30 A.M.-3:00 P.M.

Requirements: H.S. ed. or equiv. Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs. Excellent interpersonal skills.

Minimum Starting Salary: \$4.47/hr.
Job Number: S357

*Position: Custodian, SO16 (5 positions)
Department: Buildings & Grounds Care (Endowed)
Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. M-Th 6:00 A.M.-2:30 P.M.; F 6:00 A.M.-1:30 P.M.

Requirements: H.S. ed. or equiv. Ability to use a variety of heavy power operated equipment, climb an 8' ladder and lift 50 lbs.

Minimum Starting Salary: \$4.47/hr.
Job Numbers: S353, S354, S355, S358, S359

*Position: Cashier, GR15
Department: Cornell Dining
Description: Handles cash and charge transactions for customers. Days and hours will vary.
Requirements: H.S. ed. or equiv. Must have experience in operating a cash register. Good interpersonal skills.

Minimum Starting Salary: \$9,041
Job Number: S356

Position: Chief Dispatcher, SO20
Department: Maintenance and Service Operations, Customer Service Center (Endowed)
Description: Assist supervisor in the Customer Service Center as first line communication link with Campus Community and total Division for service and information. Supervises Dispatcher II and clerical employees; heavy telephone work; types, files, radio dispatch work requests; research inquiries, etc. M-F 7:30 A.M.-4:00 P.M.

Requirements: H.S. ed. or equiv. Medium typing. Training and/or 2-3 years experience in service oriented position (e.g., sales). Demonstrated excellent oral and written communication skills.

Minimum Starting Salary: \$5.54/hr.
Job Number: S3411

Position: Animal Technician, GR18 (3 positions)

Department: Laboratory Animal Services
Description: Responsible for daily care of laboratory animals, including proper care and feeding, providing fresh water and exercise, the general cleaning and maintenance of cages, pens and environment. Maintain Laboratory Animal Identification, inventories and breeding records. Responsible for supervisor in carrying out assigned duties. May include weekends.

Requirements: H.S. ed. or equiv. Some animal handling experience desirable. Assistant Animal Technician Certification helpful. PRE-EMPLOYMENT PHYSICAL REQUIRED.

Minimum Starting Salary: \$10,500
Job Number: S344, S345, S342

Position: Assistant Cook, SO18
Department: Cornell Dining (Endowed)
Description: Assists cooks in the preparation, garnishing and service of all hot food. Hours vary.

Requirements: H.S. ed. or equiv. At least 6 months related experience. Knowledge of hot food production. Familiarity with cooking equipment.

Minimum Starting Salary: \$4.98/hr.
Job Number: S347

Position: Head Cashier, GR17
Department: Statler Inn
Description: Maintain a smooth and efficient operation through training, scheduling and supervising all Statler Inn cashiers. Will involve weekends.

Requirements: H.S. ed. or equiv. Light typing. Must be able to operate computerized cash registers. Money handling experience required. Must possess organizational skills and be able to work without direct supervision. Must be reliable and willing to work flexible hours.

Minimum Starting Salary: \$9,967
Job Number: S3410

Position: Technical Assistant, GR16
Department: Microbiology
Description: Assists in the preparation and cleaning of glassware of instructional laboratories. Assists in maintaining glassware inventory, distribute mail, Xerox and collate materials and run errands. This is a 9-month position.

Requirements: H.S. ed. or equiv. Ability to work well independently with strict attention to deadlines. Knowledge of laboratory glassware helpful.

Minimum Starting Salary: \$9,494/annual equiv.
Job Number: S343

Position: Custodian, SO16
Department: Unions & Activities (Endowed)
Description: General mopping, dusting, polishing, and vacuuming of assigned areas. Cleaning of restrooms and picking up of noticeable debris are essential. Set-ups and clean-ups of furniture and equipment for activities scheduled in the building. Sunday-Thursday 5:30 a.m.-1:30 p.m.

Requirements: H.S. ed. or equiv. Ability to handle commercial cleaning equipment, to lift 50 lbs., and to climb an 8' ladder. At least 6 months of experience in custodial position preferred.

Minimum Starting Salary: \$4.47/hr.
Job Number: S349

Position: Custodian, SO16
Department: Cornell Dining (Endowed)
Description: Clean and maintain assigned areas in a dining services setting.
Requirements: H.S. ed. or equiv. Ability to operate cleaning equipment. Ability to climb ladders and lift 50 lbs.

Minimum Starting Salary: \$4.47/hr.
Job Number: S341

Position: Food Service Worker, SO14
Department: Cornell Dining (Endowed)
Description: Set up, display and serve food in cafeteria or dining room.
Requirements: H.S. ed. or equiv. Good customer relations. Knowledge of food handling preferred.

Minimum Starting Salary: \$4.05/hr.
Job Number: S346

Technical

Applications for Technical positions should include the following information:

- Scientific/technical courses completed
- Lab techniques and/or equipment (knowledge of)
- Special skills (e.g. knowledge of computer language)

*Position: Electronics Technician, GR24
Department: Computer Services
Description: Responsible for installing and providing maintenance on computer terminals, personal computers and on the Data Communications Network that links these terminals to large computers.

Requirements: Associate's degree or equiv. in electronics or related field. Theoretical and practical knowledge of digital and analog circuits; also of computer hardware and software technology pertaining to Data Communications. Three-4 years experience diagnosing and repairing problems with computer terminals and data communications equipment.

Minimum Starting Salary: \$14,779
Job Number: T351

*Position: Computer Operator, GR22 (Repost)
Department: Agricultural Economics
Description: Responsible for day-to-day operation of Microcomputing Facility and for working with faculty, staff and student users of the facility. Answers user questions concerning micro hardware and software. Regulates and monitors user access. Insures physical security of facility. Supervises and trains students and part-time employees. Performs routine maintenance.

Requirements: Bachelor's degree with computing (micro) course work. Equiv. combinations of training and experience may be substituted. Experience with micro hardware and software, training and supervision of student/part-time employees. Good organizational and interpersonal skills. At least 1 year experience with day-to-day supervision, consultation, and general user support in a computing facility. Knowledge of Basic, Pascal and Fortran microcomputer languages as required.

Minimum Starting Salary: \$13,141
Job Number: T318

*Position: Technician, GR21
Department: Biochemistry, Molecular & Cell Biology

Description: Bench technician working on biochemical analysis of ion transport in membranes from a variety of tissues, and related studies.

Requirements: B.S. or equiv. in biochemistry. At least 1 year laboratory experience.
Minimum Starting Salary: \$12,469
Job Number: T353

*Position: Technician, GR20 (Repost)
Department: Biochemistry, Molecular & Cell Biology

Description: Conducts experiments on protein purification, mitochondrial proton transport, membrane reconstitution.

Requirements: B.S. or equiv. in biochemistry. Some experience in use of spectrophotometer, recording pH meter, fluorometer, etc.

Minimum Starting Salary: \$11,739
Job Number: T321

*Position: Technician, GR18
Department: Equine Drug Testing & Research - NYC

Description: Performs analysis of blood and urine samples in a Field Drug Testing Laboratory to serve Aqueduct, Belmont and Saratoga Race Tracks. Relocates to Saratoga Springs, NY for the month of August each year. Assists laboratory director as required. Five day week: Saturday, Sunday and holidays included.

Requirements: Associate's Degree or equiv. in chemistry or a related field, or equiv. lab experience. Experience with Thin Layer Chromatography and general laboratory procedures. Familiar with Gas Chromatography.
Minimum Starting Salary: \$10,500
Job Number: T355

Position: Technician, GR20
Department: Poultry and Avian Sciences
Description: Performs surgery and carries out radioimmunoassays for research project; enters and analyzes data on computer as well as maintain laboratory.

Requirements: Bachelor's degree in biology, experimental psychology or psychobiology. Surgical skills involving implementing cannulae in brain or catheters in veins essential. Familiarity with computers and statistical analyses; chemical analytical skills (for radio-immunoassays). One year experience in an equivalent laboratory.

Minimum Starting Salary: \$11,739
Job Number: T343

Part-time

*Position: Applications Programmer I
Department: Computer Services
Description: Provides programming support on thesis preparation. Answers questions and solves problems for graduate students using text processors in preparation of their theses. Writes software and customizes existing software; prepares workshops for students on usage of hardware and software in thesis preparation. M-F 20 hrs. per week.

Requirements: Bachelor's degree or equiv. Three-6 months experience programming and using SCRIPT. Familiarity with CMTHESIS helpful. Good communications skills essential.

Minimum Starting Salary: \$16,500/annual equiv.
Job Number: PT353

*Position: Assistant Gymnastics Coach
Department: Physical Education & Athletics
Description: Assists the head gymnastics coach in the operations of the Gymnastics Program. Duties include coaching and scouting as well as the recruiting of student athletes. Instructs physical education classes as assigned by the Athletic Director. Days and hours will vary.

Requirements: Bachelor's Degree or equiv. in physical education or related field. Previous experience in coaching gymnastics at high school, collegiate or club level.

Minimum Starting Salary: \$13,625/annual equiv.
Job Number: P3414

*Position: Senior Circulation/Reserve Assistant, GR18
 Department: Circulation/Olin Library
 Description: Works at Circulation Desk and performs other duties in support of public services on weekends; answers questions about access to stacks; interprets circulation policy to public; registers visitors; refers library users to other departments; assists with building security; assists in training student assistants and oversees their work; performs other duties as necessary, such as maintaining periodical room and preparing replacement bills. 9:00 A.M.-6:00 P.M. Saturday: 1:00 P.M.-10:00 P.M. Sunday: 4 weekday hours.
 Requirements: H.S. ed. or equiv. Some college background desired. Light typing. Good organizational and interpersonal skills. Willing to work flexible schedule. Library experience desirable.
 Minimum Starting Salary: \$10,500/annual equiv.
 Job Number: C3512

*Position: Secretary, GR18
 Department: Theory Center
 Description: Provides secretarial support for the Associate Director. Types; handles mail; answers telephone; arranges meetings and appointments; maintains files. Performs other duties as assigned. 20 hrs. per week negotiable.
 Requirements: H.S. Ed. or equiv. Business or secretarial school preferred. Medium typing. At least 1-2 years related experience. Excellent organizational, interpersonal and communication skills.
 Minimum Starting Salary: \$10,500/annual equiv.
 Job Number: C359

*Position: Office Assistant, GR16
 Department: Unions and Activities
 Description: Assists in making room reservations for all non-academic events at Cornell which include lectures, films, dances, concerts, rallies, etc.; assists campus organizations in arranging set-ups and audio visual equipment and other special services. M-F 8:00 A.M.-2:00 P.M.; 30 hrs. per week. 8.5 month appointment.
 Requirements: H.S. ed. or equiv. Medium typing. Some experience with computer terminals helpful. Good interpersonal skills.
 Minimum Starting Salary: \$9,494/annual equiv.
 Job Number: C354

*Position: Office-Assistant, GR15
 Department: Media Services
 Description: Responsible for handling weekly cycle of Cooperative Extension pouch mail shipments to 60 locations in New York State. Sorts, packages, addresses, and prepares for UPS pick-up. Assists staff and stockkeeper as required. 20 hrs. per week; somewhat flexible schedule.
 Requirements: H.S. ed. or equiv. Excellent organizational, interpersonal and communication skills. Familiarity with mailroom office equipment, electronic scales and postal meter. Ability to handle packages weighing up to 50 lbs.
 Minimum Starting Salary: \$9,041/annual equiv.
 Job Number: C353

Position: Night Supervisor, GR18
 Department: Music Library
 Description: Supervise and assist in circulation procedures; provide information and reference assistance to patrons; assist with searching and ordering of music and books using RLIN; responsible for security of Lincoln Hall evening and weekend hours. Nights and weekends, 20 hours per week.
 Requirements: Degree in music with emphasis in music history. Medium typing. Reading ability in one foreign language. German preferred; supervisory experience. Good interpersonal skills.
 Minimum Starting Salary: \$10,500/annual equiv.
 Job Number: C3411

Position: Big Red Barn Cashier, GR16
 Department: Unions & Activities
 Description: Ring cash sales on register, take register readings, prepare deposits, assist in food service, transport receipts. Monday-Friday, 9:30 A.M.-2:30 P.M.
 Requirements: H.S. ed. or equiv. Cash handling in fastpaced, high pressure environment. Food service experience helpful.
 Minimum Starting Salary: \$9,494/annual equiv.
 Job Number: S348

Temporary

In addition to regular, part-time opportunities, Temporary (less than six months) positions, both full and part-time are available. Although many

openings are clerical, there are often positions offered in other areas. As Temporary openings do not always appear in this listing, please contact Staffing Services for more information.

Position: Technical Staff Writer
 Department: Food Science
 Description: Conducts library searches; reviews literature and writes summary reports on technical subjects such as edible fats, oils, lipids (technology, chemistry, nutrition), physical properties of food proteins (chemistry, structure, thermodynamic stability, interactions, etc.). This is a temporary part-time position for 6 months.
 Requirements: B.S.-M.S. in technical subject and technical writing experience. Medium typing. Familiarity with and interest in technical literature-particularly in biochemistry-food science. Ability to summarize technical papers and organize review materials. Knowledge of library system; accomplished writing skills; organizational skills; typing/word processing skills.
 Minimum Starting Salary: \$6,000/hr.
 Job Number: T342

Position: Night Supervisor, T-3
 Department: Albert R. Mann Library
 Description: Works under direction of Circulation/Reserve Librarian, handles building security and emergency situations from 5:00 P.M.-Midnight on Sunday. Oversees student help at Circulation and Reserve Desks during evening hours. Performs varied duties at both Circulation and Reserve Desks; attends regular staff meetings. Part-time, 19 hours per week, Sunday evening, 5:00 P.M. - Midnight. Position available until May 24, 1985.

Requirements: H.S. ed. or equiv., some college desirable. Previous library experience desired. Excellent interpersonal skills; ability to work independently.
 Minimum Starting Salary: \$5,000/hr.
 Job Number: C341

Position: Secretary/Word Processor
 Department: Animal Science
 Description: Provides secretarial/word processing support; library reference work; orders supplies; handles time cards; performs other duties as assigned. This is a casual position, 16 hours per week, M-Th 9:00 A.M.-2:00 P.M. One year appointment, renewable.
 Requirements: H.S. ed. or equiv. Medium typing. Knowledge of high school biology and/or

chemistry. Familiarity with scientific terms preferred. Excellent interpersonal and communication (written and oral) skills necessary. Knowledge of or willingness to learn Word Star word processor.
 Minimum Starting Salary: \$5,000/hr.
 Job Number: C347

Position: Lab Assistant, T-2
 Department: Pomology
 Description: Provides lab assistance in the grinding of leaf samples for Cooperative Extension Growers Service Program. Occasional washing of glassware. Part-time, approx. 30 hours per week. Position available until November, 1984.
 Requirements: H.S. ed. or equiv. with some lab experience preferred.
 Minimum Starting Salary: \$4,000/hr.
 Job Number: T341

Academic

Please contact department directly.

*Position: Assistant Professor
 Department: Biochemistry, Molecular and Cell Biology, Division of Biological Sciences
 Closing Date: November 1, 1984
 Job Number: A351

*Position: Assistant Professor
 Department: New York State Agricultural Experiment Station, Entomology - Geneva, NY
 Closing Date: December 1, 1984
 Job Number: A352

Position: Assistant Professor
 Department: Biochemistry, Molecular and Cell Biology
 Job Number: A346

Position: Reference Librarian
 Department: John M. Olin Library
 Job Number: A343

Position: Public Service Librarian (2 positions)
 Department: Albert H. Mann Library
 Job Numbers: A341, A342

Position: Assistant Professor (2 positions)
 Department: Chemistry
 Job Numbers: A344, A345

Libraries Set Calendar for Term

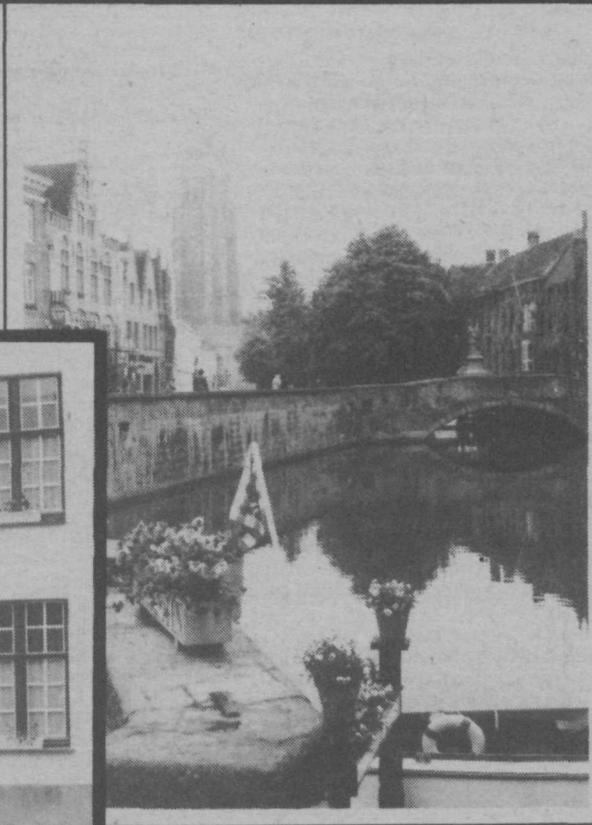
Cornell University Libraries

Schedule of Hours*
 Fall Semester - ** August 30, 1984 through December 21, 1984 ***

| LIBRARY | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|--------------|------------|------------|
| Africana | 9am-9pm | 9am-9pm | 9am-9pm | 9am-9pm | 9am-5pm | 1pm-5pm | 2pm-9pm |
| Alternatives 122 Anabel Taylor | 9am-5pm 8pm-10pm | 9am-5pm 8pm-10pm | 9am-5pm 8pm-10pm | 9am-5pm 8pm-10pm | 9am-5pm | closed | 8pm-10pm |
| Engineering | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 9am-5pm | 10am-12mid | |
| Entomology | 10am-4pm 7pm-10pm | 10am-4pm 7pm-10pm | 10am-4pm 7pm-10pm | 10am-4pm 7pm-10pm | 10am-4pm | 12n-4pm | closed |
| Fine Arts | 9am-11pm | 9am-11pm | 9am-11pm | 9am-11pm | 9am-6pm | 10am-5pm | 1pm-11pm |
| GSM | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 9am-8pm | 12n-12mid |
| Hotel # | 8am-11pm | 8am-11pm | 8am-11pm | 8am-11pm | 8am-5pm | 12n-4pm | 1pm-11pm |
| I&LR | 8am-11pm | 8am-11pm | 8am-11pm | 8am-11pm | 8am-5pm | 10am-5pm | 1pm-11pm |
| Law | 8am-11pm | 8am-11pm | 8am-11pm | 8am-11pm | 8am-7pm | 9am-5pm | 12n-11pm |
| Mann | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid ## | 10am-6pm | 11am-12mid |
| Mathematics | 8am-11pm | 8am-11pm | 8am-11pm | 8am-11pm | 8am-5pm | 12n-5pm | 1pm-11pm |
| Music | 9am-11pm | 9am-11pm | 9am-11pm | 9am-11pm | 9am-5pm | 12n-5pm | 2pm-11pm |
| Olin | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-6pm | 9am-6pm | 1pm-12mid |
| Ornithology | 8am-5pm | 8am-5pm | 8am-5pm | 8am-5pm | 8am-4pm | closed | closed |
| Physical Sciences | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid |
| Uris ### | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 8am-12mid | 10am-12mid | 12N-12mid |
| Veterinary | 8am-11pm | 8am-11pm | 8am-11pm | 8am-11pm | 8am-5pm | 9am-5pm | 1pm-11pm |

- * Except for Thanksgiving, Christmas and Intersession when special schedules will be issued.
- ** Labor Day, Sept. 3: All libraries (except Alternatives and Ornithology) will be open.
- *** The last day of this schedule may vary with changes in schedule of final exams.
- # Hours may vary during study and exam week. Changes will be posted.
- ## Mann: Dec. 21 - Open 8am-5pm.
- ### Uris will be open until 2am during final exam period.

Scenes from Bruges: the subject of study by Humanities Fellow Wilson.



Teaching Fellows Win Humanities Fellowships

Eight postdoctoral teaching fellows in the humanities are at Cornell University this fall under fellowships made possible by a 1975 Andrew W. Mellon Foundation endowment. The program, designed to encourage the academic growth of promising humanists with recent Ph.D. degrees, is under the direction of the Council for the Humanities with Anna Geske as director of the program.

According to Geske, more than 230 applications were reviewed by Cornell humanities departments and the following five new fellows were selected last spring by the Humanities Council to begin two-year appointments: Albert Bades Fernandez, comparative literature; Andrew L. Ford, classics; Lionel S. Joseph, medieval studies; Paul R. Sullivan, anthropology; and Jean C. Wilson, history of art.

They join those in the second year of the appointment: William D. Davies in linguistics, Joel S. Feigin in music, and Stephanie Vaughn in creative writing.

Fernandez, a 1982 graduate in comparative literature from Columbia, has a major interest in modern fiction in English, French, and Spanish. Fernandez has studied at the University of Santander in Spain and at Oxford University. Currently writing a reference book essay on Jose Ortega y Gasset, Fernandez will teach in the Department of Comparative Literature a course on Nature in Literature and Art.

Ford, a Cornell graduate (1974), received the Ph.D. in classics from Yale University in 1981. Ford, whose research is in ancient poetics and literary history, wrote his dissertation on early Greek terms for poetry—Aoidē, Epos, Poesis. Ford has been teaching at Smith College for five years; at Cornell in the Department of

Classics, he will teach a fall term course on advanced readings in Greek literature focusing on a reading of Aristotle's Poetics and related texts.

Joseph has been a postdoctoral Fellow at Harvard University; he received both graduate degrees from that institution in the Department of Celtic Languages and Literatures. As a Celticist with knowledge of medieval Celtic languages and literatures and special strength in Old Irish, Joseph will be associated at Cornell with the program in Medieval Studies as well as the linguistics program. Joseph will teach in the fall a seminar in the English Department on Pagan Celtic Religion; in the spring, he will teach a linguistics seminar on Early Irish Poetry.

Sullivan received in 1983 the Ph.D. degree in anthropology from The Johns Hopkins University. His dissertation, entitled "Contemporary Yucatec Maya Apocalyptic Prophecy: The Ethnographic and Historical Context," was based upon 16 months of fieldwork among Yucatec Maya-speaking people of central Quintana Roo, Mexico. Sullivan, who recently held an internship at the Wenner-Gren Foundation for Anthropological Research, did field research this summer in Yucatan under a Tinker Foundation Postdoctoral Fellowship in Mesoamerican Ecology. At Cornell this fall in the Department of Anthropology, Sullivan will collaborate with Professor John Henderson, Anthropology, on a course on Mesoamerican Thought. In the spring Sullivan will teach a course on Millennialism.

Wilson's undergraduate training was at Hood College and American University and her graduate degrees in Art History were from The Johns Hopkins University (Ph.D. 1983) with her major field in Later Med-

ieval and Northern Renaissance Art and her minor field in Modern Painting. Her dissertation is entitled "Adriaen Isenbrant Reconsidered: The Making and Marketing of Art in Sixteenth-Century Bruges." Wilson is also a painter of considerable accomplishment. Recently, she was employed as a research assistant at the Center for Advanced Study in the Visual Arts in the National Gallery of Art. At Cornell in the History of Art Department, Wilson will teach this fall a seminar in Flemish painting.

Davies, an anthropological linguist who has done extensive research and writing on Choctaw (a Muskogean language of Oklahoma and Mississippi) specializes in syntactic theory and the study of language universals. Davies in the Department of Languages and Literature will teach in the fall a seminar on the structure of Choctaw and in the spring a seminar on field methods.

Feigin, composer, pianist, and music theorist, will teach a fall seminar in the Music Department: Topics in Twentieth-Century Theory and Analysis focusing on Schoenberg's later works and comparing them with works of living composers such as Perle and Babbitt.

Vaughn, writer of short fiction, is currently working on a novel. She is widely published including family narratives in *The New Yorker* and such short stories as "Sweet Talk" and "Able, Baker, Charlie, Dog." Vaughn teaches courses in creative writing and narrative writing in the English Department.

Ending a Mellon Fellowship appointment is Robert Blobaum whose area of study is Polish history. Blobaum leaves Cornell to go to West Virginia University, Morgantown, West Virginia. □

German Philosopher to Lecture

"Modernity and Postmodernity" is Theme

German philosopher Jurgen Habermas will give a series of six public lectures here on the theme of "The Philosophical Discourse on Modernity and Postmodernity" starting Thursday, Sept. 6.

Sponsored by the Committee on University Lectures, the talks will all be in Hollis E. Cornell Auditorium of Goldwin Smith Hall at 4:30 p.m. each day. The dates and themes of the lectures are:

- Thursday, Sept. 6, Dionysic versus Romantic Messianism: Nietzsche;
- Friday, Sept. 7, The Triple Heritage of Nietzsche: Critique of Instrumental Reason, Destruction of Metaphysics and Theory of Power;
- Monday, Sept. 10, Heidegger's Overcoming of Occidental Rationalism;
- Tuesday, Sept. 11, Bataille Between Eroticism & Economy of Nature;
- Wednesday, Sept. 12, Foucault's Unmasking of the Human Sciences;
- Thursday, Sept. 13, Aporias of a Theory of Power.

Habermas is Professor of Philosophy at the University of Frankfurt and is a member of the Max-Planck Institute of Psychological Research in Munich. One of the leading theorists of our generation, he incorporates the work of British ordinary language philosophers, continental phenomenologists, and the American pragmatist tradition into major lines of sociological development following Marx, Weber, and Durkheim.

This theoretical work makes possible the investigation of social action in ways that take advantage of the most recent work in the exploration and understanding of language and speech. □

New Parking Permits Mailed in Mid-September

The 1983-84 parking permits for faculty and staff will continue to be honored until Friday, Sept. 14, because of a delay in the mailing of new permits.

Individuals should continue to park in the areas for which their old permits are valid, according to Sally Van Etten, traffic bureau manager.

She said new single vehicle parking permits and continuous permits will be mailed to staff and faculty members Thursday, Aug. 30. Permits for individuals who have more than one vehicle will be mailed the following week.

Delays in the permit printing process necessitate two mailings, said Van Etten.

Persons with questions about parking permits and vehicle registration should wait until Thursday, Sept. 13 to make inquiries at the Traffic Bureau. Permit files will not be available until that time. □