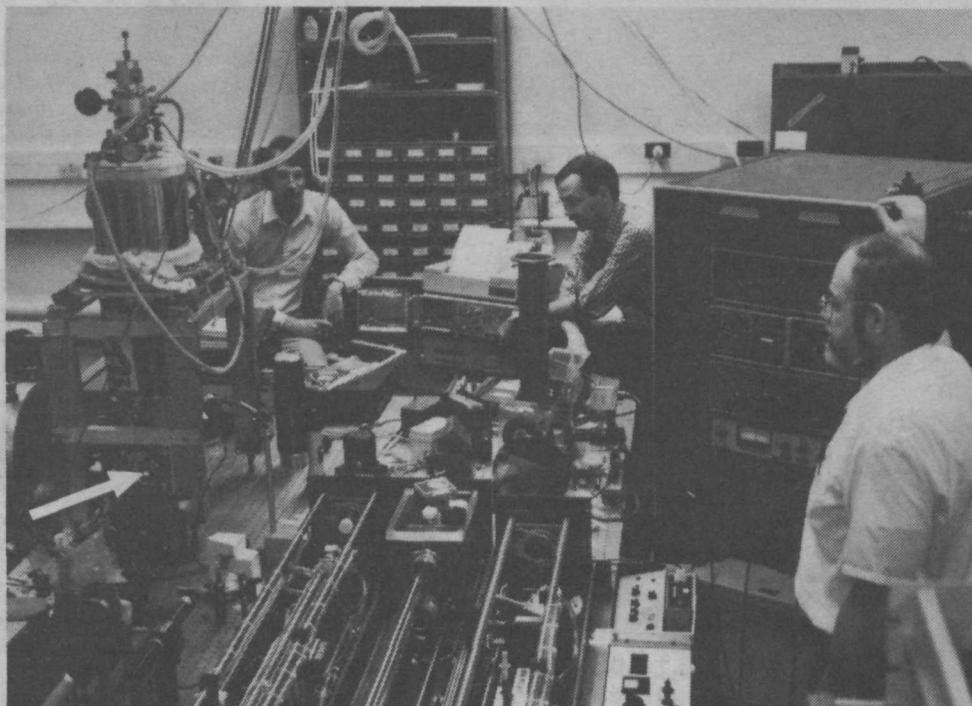


Cornell Chronicle

Volume 15, Number 42

Thursday, June 21, 1984



Demonstrating the first solid state vibrational laser in their Clark Hall laboratory are, from left, Timothy R. Gosnell, Robert W. Tkach and Professor of Physics Albert J. Sievers. Arrow indicates position of laser crystal in the cooling apparatus. In the foreground are the "pump" lasers that cause the vibration.

Scientists Here Develop New Vibrational Laser

Researchers at Cornell University's Laboratory of Atomic and Solid State Physics (LASSP) have combined two old ideas to produce a new type of laser, named the solid state vibrational laser.

This is the first time a laser (an acronym for Light Amplification by Stimulated Emission of Radiation) has been operated by vibrating entire molecules in a solid.

The discovery of lasing at infrared wavelengths by vibrating cyanide molecules, embedded in potassium bromide crystals, was made by Cornell researchers Timothy R. Gosnell and Robert W. Tkach. Their finding is significant for two reasons, according to Professor of Physics Albert J. Sievers, one of interest to the science of solid state physics and one

offering practical applications: "The fact that these particular vibrating molecules — although in strong contact with solid — do not heat it up demonstrates that the transfer of vibrational energy in the defect solid state is much more subtle than previously expected.

"Secondly, the cyanide-salt system opens up the possibilities of other compact, solid state vibrational lasers throughout the infrared," said Sievers, under whose direction the experiments were conducted.

Many lasers today operate by excitation of electrons in solids, liquids or gases. The very first laser ever constructed used excited electrons in a solid material — ruby — to produce visible light. On the other

Continued on Page 3

Picture No. 2 Date: 6-12-84

Sample: KBr + .5% KCN iso A1

Resolution (cm⁻¹) = 9 Pump Line: 9P28



Clasped in tweezers is a single crystal of potassium bromide containing cyanide molecules, the first solid state laser to operate by vibration of entire molecules. The trace in the background shows laser output as a function of time.

Wilson Key Speaker At Supercomputer National Meeting

Cornell's Kenneth G. Wilson will be one of the main speakers when scientists, engineers and managers from industrial, governmental and academic laboratories gather next week to study uses of the most powerful computing machines of the future, the supercomputers.

The meeting, the first Conference on the Frontiers of Large-Scale Computational Problems, is scheduled for June 25-27 in Gaithersburg, Md., with the National Bureau of Standards as host. Nearly 500 persons, including key congressmen concerned with science and technology policy, are expected to attend.

Aeronautics, medical imaging, biology and pharmacology, computer-generated movies, chemical synthesis, economic modeling, materials science, fluid dynamics, structural analysis and physics are among the areas in which the conference planners envision new uses for supercomputers.

"This conference will facilitate an exchange between computer users and designers and will focus on near- and long-term research and development requirements for large-scale computing power and capability," according to Kenneth G. Wilson, co-chairman of the conference with David S. Wehrly.

Wilson, the James A. Weeks Professor of Physical Science at Cornell University and winner of the 1982 Nobel Prize in physics, is an advocate of increased cooperation between computer manufacturers, industrial users of supercomputers, research universities and government agencies.

Wehrly is the International Business Machines Corp. manager of engineering/scientific systems and advanced technology at Endicott, N.Y.

Conference organizers contend that computing technology in America must advance if our nation is to compete effectively with foreign markets in the area of advanced technologies. They wish to stress the significance of this issue to the highest levels of American industry, and to the legislative and executive branches of the federal government.

Supercomputers are defined as the most powerful class of computer available for scientific and engineering applications at any given time.

Delivering the keynote address at 9 a.m. Monday, June 25, will be Roland W. Schmitt, corporate vice president for research and development at General Electric Co.

Other conference speakers include Lawrence R. Klein, professor of economics at University of Pennsylvania and 1981 Nobel laureate in economics; Sen. Slade Gorton, R-Wash., chairman of the Senate Subcommittee on Science, Technology and Space; Rep. George E. Brown, Jr., D-Calif., member of the Committee on Science and Technology; Jo Billy Wyatt, chancellor of Vanderbilt University; Enrico Clementi, manager of large-scale scientific/engineering computation, I.B.M. Corp., and Dr. Gabor T. Herman, professor of radiology and chief of medical imaging, University of Pennsylvania.

Geologists to Gather, Ponder Earth's Crust

Where the Earth's crust has been and what it's doing now will be the topics when geologists from North and South America, Europe, Australia and Asia gather here Tuesday through Thursday, for the first meeting of its kind, The International Symposium on Deep Structure of the Continental Crust.

"This conference will bring together geologists and geophysicists who are working on the deep structure and evolution of the continental crust," said Sidney Kaufman, executive director of the Cornell-based Consortium for Continental Reflection Profiling (COCORP).

Kaufman notes the conference will emphasize recent applications of the reflection profiling technique, which helps to describe the deep structure of the continental crust. "We hope to show the importance of such research on a global basis and stress its relevance to present and future needs of human society," Kaufman says.

Seismic reflection profiling, a technique first developed by the petroleum exploration industry, has been adapted and refined by COCORP research geophysicists to study earth features of larger scale and greater depth. Previously unknown structures as far as 40 kilometers below the surface of the continental crust have been discovered and mapped in this country. The

technique is now used in national programs in six other countries: England, France, West Germany, Australia, the People's Republic of China and Canada.

Co-principal investigators in the COCORP project are Jack Oliver and Sidney Kaufman, professors of geological science at Cornell, and Larry Brown, associate professor of geological science.

Organized by the Institute for the Study of the Continents (INSTOC), the symposium is expected to attract about 300 geologists from government agencies, academic institutions and industry, according to Muawia Barazangi, senior research associate in Cornell's Department of Geological Sciences.

Sponsoring the conference are the Cornell Program for the Study of the Continents (COPSTOC), the American Geophysical Union, the Geological Society of America, the International Association of Seismology and Physics of the Earth, Interior (IASPEI), the International Lithosphere Program (ITP), and the Society of Exploration Geophysicists.

Conference participants will report on activities in France, Czechoslovakia, China, Switzerland, India, Peru, Canada, the U.S., England, West Germany, New Zealand, Australia, Brazil, Hungary, South Africa and Antarctica.

Scholars Share Honors with Their Teachers

Thirty-five graduating Cornell seniors were cited as the first Presidential Scholars in ceremonies Wednesday, May 23, sharing the honor with the high school and university teachers who helped them along the way.

The Presidential Scholars, nominated by the deans in their schools and colleges for outstanding scholastic achievement and "qualities of intellectual curiosity and energetic leadership," were asked to name one Cornell faculty member and one secondary school educator who made significant contributions to their education.

The 1984 Presidential Scholars, and their honored college and high school teachers are:

From the College of Agriculture and Life Sciences,

—Barbara M. Balocki, who named Richard D. Aplin, professor of agricultural economics, and Rose Paternostro, chemistry teacher at Newington High School in Newington, Conn. as influential teachers; Teresa L. Birnbaum, who named Paul A. Murtaugh, instructor in ecology and systematics, and Herbert Hetzer, music teacher at Kettering (Ohio) High School;

—Mary Patricia Bronner, who named Michael L. Goldberg, assistant professor of genetics, and biology teacher at Cicero (N.Y.) High School William S. Kushner;

—Christine Susan Carfi, who named Dana C. Goodrich, professor of marketing,

and English teacher Bruce Bidwell of Liverpool High School in Liverpool.

—William Michael Collins, who named Thomas H. Johnson, associate professor of landscape architecture and Elsie Gallagher, fine arts teacher at Springfield Senior High School in Royersford, Pa.;

—Janet Carlene Flier, who named Dennis Miller, assistant professor of food science, and Port Byron (N.Y.) High School biology teacher Jacqueline Bisignano;

—Bonnie Jean Grambow, who named Ronald M. Harris-Warrick, assistant professor of neurobiology and behavior and advanced biology teacher Michael Cost of Genesee High School in Camillus, N.Y.;

—Siobhan Callaghan Percey, who named Walter Ronald Butler, animal science associate professor, and Sharon Stein, director of the selected studies program at Central Columbia High School in Bloomsburg, Pa.;

—Barbara Booth Pierson, who named John Seeley, professor emeritus of floriculture, and guidance counselor Anthony Bisaccia of Wethersfield (Conn.) High School;

—Cynthia A. Underwood, who named Robert Mower professor of floriculture and ornamental horticulture and Massapequa (N.Y.) High School biology teacher Ralph Crino.

From the College of Architecture, Art and Planning:

—William Sean Connor, who named



David J. Makarsky, one of the first 35 Presidential Scholars, is congratulated by President Frank Rhodes at a convocation in the Johnson Museum.

Eleanore Mikus, associate professor of art, and English teacher Harry Anderson of Mansfield (MA) High School;

—Daniel John Kaplan who named John P. Shaw, professor of architecture and chemistry teacher Judy Fox of the John L. Miller-Great Neck North Senior High School in Great Neck, N.Y.

From the College of Arts and Sciences:

—Randy John Berholtz, who named E. Wood Kelley, associate professor of government, and creative writing teacher Alice McDevitt of Shamokin (Pa) Area High School;

—Alyssa Rose Bernstein, who named Norman Kretzmann professor of philosophy and seventh grade science teacher Laura Arm of Pelham Memorial Junior High School in Pelham, N.Y.;

—Amy Rose Brooks, who named Adrian M. Srb, professor emeritus of genetics and development, and guidance counselor William Yardley of Naples High School in Naples, Fla.;

—Matthew Richard Caleb, who named Kraig Adler, professor of neurobiology and behavior, and quantitative science and physics teacher Lawrence Bader of Rocky River (Ohio) High School;

—Saul Szalita Gitlin, who named John McCoy, professor of linguistics and Chinese linguistics and Benjamin N. Cardozo High School Foreign Language Department chairperson Ruth Cooperman of Bayside, N.Y.;

—Nicholas George Kambouris, who named Gordon G. Hammes, the Horace White Professor of Chemistry and Biochemistry and chemistry teacher Robert George of Walt Whitman High School in Bethesda, Md.;

—Naomi Mechama Levy, who named Chana Kronfeld, assistant professor of Near Eastern Studies and Cornell alumnus and biology teacher Elan Benamy of Joel Braverman High School in Brooklyn, N.Y.;

—James Howard Schuster, who named Ozalp Babaoglu, assistant professor of computer science, and calculus teacher Karen Rich of Essex Junction (Vt.) High School;

—Robin Eve Wechkin, who named Jon Stallworthy, professor of English and Brockport (N.Y.) High School running coach John Izzo;

—Sarah Ellen Youngquist, who named Robert M. Cotts, professor of physics and Latin teacher Edward Hajost of East Lake Forest High School in Lake Forest, Ill.

From the College of Engineering:

—Hans David Hallen, who named Robert A. Buhrman, professor of applied and engineering physics, and chemistry teacher Norman Mills of Wachusett Regional High School in Holden, Mass.;

—Edward Tsang Lu, who named Raphael

Littauer, professor of physics and R.L. Thomas High School wrestling coach John Yengo, of Webster, N.Y.;

—Elizabeth Anne McKone, who named Sidney Leibovich, professor of mechanical and aerospace engineering, and geometry and calculus teacher Richard Gorman of Bethlehem Central High School in Delmar, N.Y.;

—Lori Jill Rosenkopf, who named Robert G. Bland, associate professor of operations research and industrial engineering, and math teacher George Evanovich of Sayreville War Memorial High School in Parlin, N.J.;

—Luke Matthew Scrivanich, who named Raymond G. Thorpe, associate professor of chemical engineering and calculus teacher Miriam Waks of Fair Lawn (N.J.) High School;

—Sarah Jane Skinner, who named H.C. Torng, professor of electrical engineering and math teacher Dorothy Bevan of Havergal College in Toronto, Ontario, Canada.

From the School of Hotel Administration:

—David John Makarsky, who named Thomas J. Kelley, assistant professor of hotel administration and Vestal (N.Y.) High School Principal Roger Bell;

—Andrew Jeffrey May, who named Dennis H. Ferguson, assistant professor of hotel administration, and biology teacher Douglas Haura of Dwight Marrow High School in Englewood, N.J.

From the College of Human Ecology:

—Stacy Ellen Bush, who named Jean R. Robinson, professor of consumer economics and housing, and teacher Anne Marie (Capra) Zenie of Herricks Senior High School in New Hyde Park, N.Y.;

—Crystal Elaine Collins-Camargo, who named Dennis Ritchie, assistant professor of human service studies and guidance counselor and math teacher Larry Meaker at Westport (N.Y.) Central School;

—Jacqueline S. Weinstock, who named Michael Basseches assistant professor of human development and family studies and teacher Ellen First of East Meadow (N.Y.) High

From the School of Industrial and Labor Relations:

—Mark Daniels, who named Cletus E. Daniel, associate professor of industrial and labor relations and guidance counselor John A. Beyrer of Lynbrook (N.Y.) High School;

—Janice Helen Ziegler, who named John F. Burton, Jr., professor of industrial and labor relations and philosophy teacher William Cawley of Syosset High School in Syosset, N.Y.

Comment

About the CIA Protest

Editor, The Chronicle:

I am writing to draw your attention to an error in the May 31 issue of Cornell Chronicle. On page 11 of that issue, under Judicial Administrator Case Summaries for April 1984, it states that five students were charged with "failure to comply with order of Dean of Students to disperse from Barnes Hall." The students were all at that time staging a sit-in in the hallway outside the Career Center in protest against CIA recruitment. However, there were 19 students, not five.

Eighteen of the students accepted the Judicial Administrator's summary decision of 25 hours of community service. I was the 19th student who refused the summary decision. I repeatedly requested a hearing before the University Hearing Board, but was never granted that request. Thank you very much for your time and hope to see the error corrected in a future issue.

Steven H. Emerman

Here is the response of Judicial Administrator Alicia Plotkin:

Mr. Emerman is correct in reporting that 19 members of the University community were named in a complaint forwarded to my office regarding the disruption at Barnes Hall. The April Case Summaries printed in the Chronicle were also correct, however. The 18 people who accepted summary decisions arranged to sign the summary decision agreements on or before April 30th. Five people completed the agreements on or before April 30th and there were included in the April Case Summaries; the other 13 were included in the May Case Summaries that were submitted to the Chronicle in the beginning of June.

I attempted to accommodate Mr. Emerman's request for a hearing last semester after he declined a summary decision at the end of April, but time constraints prevented this. He was told at that time that a hearing would be scheduled when classes resumed in the fall.

The May case summaries are published on Page 4 of this issue of Chronicle.—Ed.

Cornell Chronicle

Editor, Randall E. Shew, Staff writers, H. Roger Segelken, Robert W. Smith, Barbara Jordan-Smith, Martin B. Stiles. Photographers, Sol Goldberg, Charles Harrington. Circulation Manager, Joanne Hanavan.

(USPS 456-650)

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 (USPS 456-650), 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.

Computer Use Workshops Scheduled

Three day-long, hands-on computer workshops for business and professional people who haven't had time to keep up with the expanding technology will be offered here this summer. Enrollment is open to the public.

Taught by Cornell staff members who have been teaching computer use to the university's faculty and senior staff, the three courses are scheduled for July 7, July 21 and Aug. 4. Each will run from 8:45 a.m. to 5 p.m., and each has a registration fee of \$285.

"None of the courses requires previous knowledge of computers," according to Judith K. Eger, director of programs in professional education in Cornell's Division of Summer Session and Extramural Courses. "Each is designed for people who want to explore and become familiar with the uses of computers and software packages in business and professional life."

Introduction to Microcomputer Business Packages will be offered July 7 at Mann Library, Introduction to Lotus 1-2-3 is scheduled for July 21 in 60 Warren Hall, and Introduction to DBASE II completes the series on Aug. 4, also in Mann Library.

The first two courses will be taught by Thomas Hughes, director of Cornell's decentralized computer services. The third course will be taught by David Stotz, administrative director of the New York State School of Industrial and Labor Relations Extension Division.

Eger said "each instructor has extensive practical administrative responsibility as well as an expert knowledge of computers, and so can relate especially well to the interests and needs of their counterparts in business and professional life."

Health Executives Here for Program

Forty-five health care executives from the United States and several other countries will wind up a 10-day Health Executives Development Program here today.

The 27th annual running of the program has been led by health care experts who have explored trends and issues in health policy and finance, regulation and management, from an international as well as an American perspective.

Special attention was devoted to the new cost containment initiatives by the federal government and business.

The program is sponsored by the Department of Human Service Studies of the State College of Human Ecology and is directed by Douglas Brown.

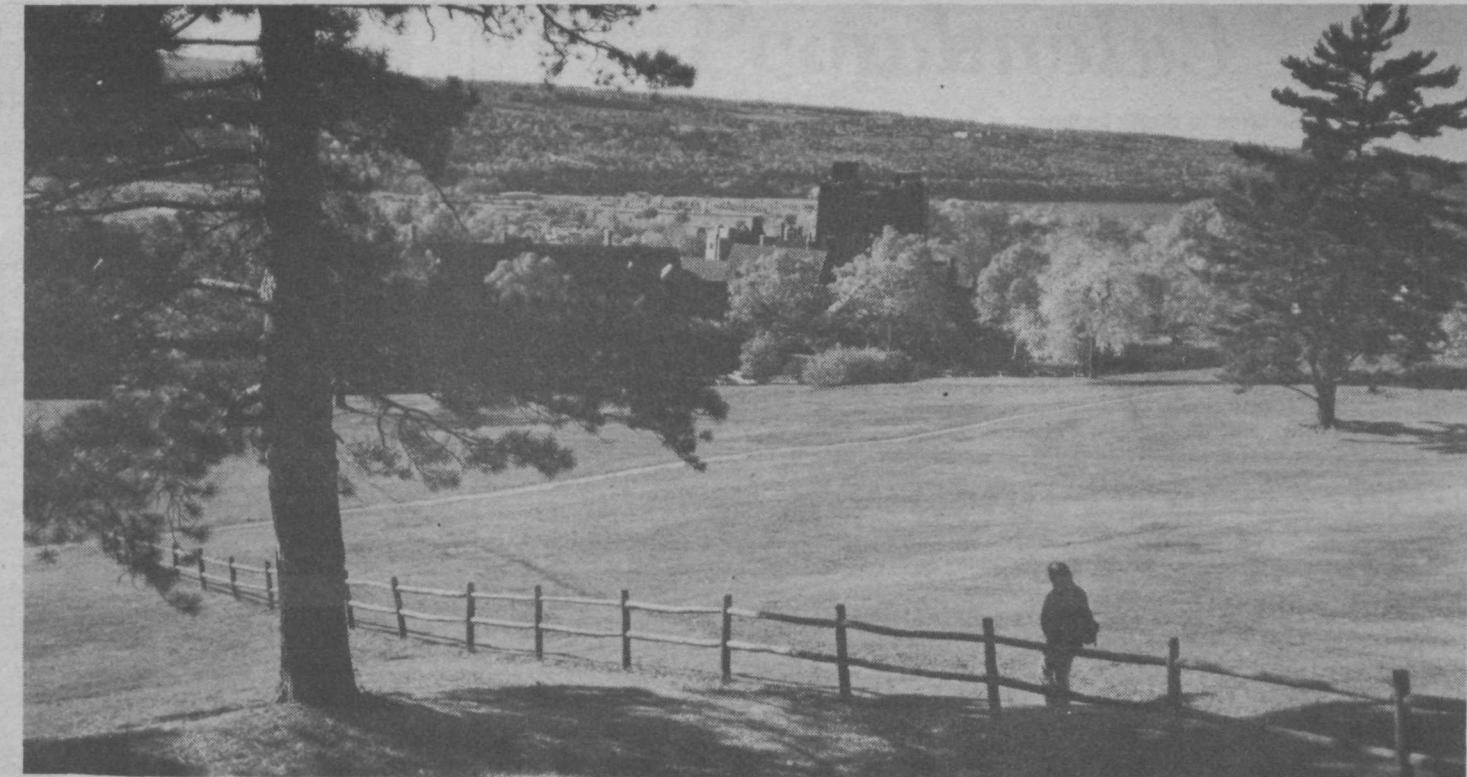
Vibrational Laser

Continued from Page 1

hand, the carbon dioxide laser, today found in surgical and weapons applications, uses carbon dioxide molecules in a low-pressure gas to produce light in the infrared region of the spectrum.

But the natural extension of these two ideas, namely lasing from vibrating molecules embedded in solids, had not been pursued. It was assumed that vibrating molecules in solids would not lase, or even emit radiation, because the molecules would quickly lose their vibrational energy by heating up the surrounding material. The finding by Cornell physicists proves that assumption wrong.

"Our first inkling that a solid state vibrational laser might be possible occurred when Gosnell and Tkach discovered that the cyanide ion in potassium bromide would emit light at many different frequencies when set vibrating by an external pulse



Cornell Summer

Five Jazz Bands to Play on Arts Quad July 8

Five traditional dixieland jazz bands will fill the air with music when they perform July 8. The festival on the Arts Quadrangle is scheduled to last from 12:30 p.m. until exhaustion, according to its organizer, Peggy Haine, of Cornell's Summer Session office.

The event is free and open to the public. Food and beverages will be sold at booths on the Arts Quad. The festival will be held in Cornell's Bailey Hall in case of bad weather.

Haine, who will perform with the Lowdown Alligator Jass Band from Ithaca, said the show is "in keeping with an interna-

tional revival of interest in early jazz...and to share the joys of America's own music."

She said the other bands scheduled are Buffalo's Morgan Street Stompers, featuring the virtuoso trumpet work of powerhouse Dean Lilac; Bourbon Street Parade, a versatile and contagiously enthusiastic group from Rochester; banjo wizard Charlie Mussen's I Love Jazz Band from Tonawanda, and the Jazz Band Ball of Binghamton.

The Lowdown Alligator Jass Band will play styles ranging from New Orleans funeral dirges to Chicago dance hall favorites to Harlem's bawdiest rent party fan-

tasies, Haine said.

Traditional jazz is no stranger to the Finger Lakes area. Nearly 20 years ago the annual Bix Beiderbecke Birthday Bash began, a March festival honoring the jazz giant. In September, the area hosts thousands of guests for the Schuyler County Jazz Festival.

Jazz began in New Orleans late in the 19th century, Haine said, and its roots are in African polyrhythms, German marching band music, blues, and ragtime. It developed and flourished in New Orleans, then spread in the 1920's to Kansas City, Chicago, St. Louis and New York.

Two Shakespeare Plays Scheduled in Repertory

Laughter and tears will flow in the courtyard of Myron Taylor Hall this summer when two plays by William Shakespeare are presented in repertory.

"The Comedy of Errors" opens the second season of Cornell Summer Shakespeare at 8:15 p.m. Thursday, July 5. "Romeo and Juliet" opens at 8:15 p.m. Thursday, July 12. From then on, the two plays will run in repertory every Thursday through Saturday, until closing Aug. 4. Admission is free and open to the public.

The response to last year's outdoor theater production of "Twelfth Night" was such that an expanded season has been de-

veloped for this summer, according to Anthony Cronin, a third-year directing student in Cornell's Master of Fine Arts program. He directed "Twelfth Night," and will direct this summer's plays.

Confusion is key to "The Comedy of Errors." Two sets of identical twins are separated at birth and reunited 20 years later. The comedy starts when the twins are mistaken for one another. One error leads to another and, eventually, to a happy reunion.

One set of twins is played by Cornell undergraduates, Giovanni Fellicioni, a senior from Treasure Island, Fla., and Richard Ortega, a senior from Hialeah, Fla. Their twin servants are played by Greg Williams, a second-year graduate acting student at

Cornell, and Hugh Palmer, a 1984 MFA graduate of Cornell.

Derek Horton and Barbara Kearns, both second-year graduate acting students at Cornell, play the star-crossed lovers in "Romeo and Juliet," the story of a love that is stronger than family hatred, though it ends in tragedy.

Cronin, who has direction of local productions of "American Buffalo" and "Our Town" to his credit, will be assisted by Mark Twomey, a 1984 graduate of Cornell's Graduate School of Management, who will choreograph fight scenes. Costume designer John Deering and lighting designer Edward Intemann are both second-year students in design at Cornell.

Music, Mime and Magic On Tap for Saturdays

Music, mime and magic will be major features of two Saturday shows in June and July sponsored by the university's Summer Session. Each of the free outdoor shows is scheduled to run from 1 to 6 p.m. on Cornell's Library Slope. The public is invited to attend.

On June 30, the music of Southern Tiers, Cries and The Choice will be featured. Music performed by The Choice will be interpreted for the deaf by signer Sherry Glover.

Adding to the festivities will be two members of the Mischief Mime Company, who will perform during breaks by the bands, and two clowns who will entertain children of all ages during the afternoon.

Cornell Dining Services will be on hand to sell food and refreshments, including hamburgers, hot dogs, soda, cookies and ice cream.

On July 28, music will be provided by The Works and The Burns Sisters. Glover will interpret for the deaf the music of The Burns Sisters.

Entertainment during the breaks will be provided by magician Bernie Roe. More clowns and balloons are expected, and Dining Services will again sell food and refreshments.

Calendar

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. Seminar notices should be sent to Barbara Jordan-Smith, News Bureau, 110 Day Hall, by noon Friday 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

Summer Experimental College Registration
Registration for five-week leisure courses will be held June 25 through June 28 from 8:30 a.m. to 3:30 p.m. at the following locations: June 25—Barton Hall (Summer Session students only), June 26-2S—Willard Straight Terrace Lounge. Brochures will be available after June 15. Call 256-7131 for more information.

Uris Library

The Media Room in Uris Library has recently acquired the videotape of Fassbinder's "Berlin Alexanderplatz", and has scheduled four nights in June for anyone wishing to view this 16-hour video. Presentations will all be in the lower A-V classroom, LO-4. June 19, pts. 1 & 2, 6 p.m.; June 21, pts. 3 & 4, 6 p.m.; June 26, pts. 5 & 6, 6 p.m.; June 28, pts. 7 & 8, 6 p.m.

Alternatives Library

The Anne Carry Durland Memorial Alternatives Library will be open all summer, Monday through Friday, 9 a.m. to 5 p.m. and Sunday through Thursday, 8 p.m. to 10 p.m. The library has books on the environment, energy, hunger and development, Native Americans, religion and spirituality, communities, agriculture, women's and gay liberation, health and many other topics. It has nearly 200 progressive periodicals on similar subjects, plus a tape collection.

Exhibits

Here is a listing of exhibits and events for the month of July at the Herbert F. Johnson Museum of Art:

"Donde Iremos?": The Vanishing Art of Guatemalan Textiles, June 28 - Aug. 5.

The exhibition will present a wide range of colorful and intricately patterned weavings created by the highland mayas. Spanning the last 50 years, included are belts, headwear, handbags, and altar pieces as well as an authentic backstrap loom. The works are primarily from the collection of Helen Hamlin, who has spent many years living in Guatemala. To complement the textiles, photographs of Mayan weavers by Marilyn Anderson of Rochester and Mayan ceramics from the permanent collection will also be on view. Organized by Suzette Lane and Jim Macbeth of the Johnson Museum.

Drawings and Sculpture by Fernando Botero, July 3 Sept. 2

On display will be 14 sculptures and 14 drawings by a renowned Colombian artist who now lives in Paris. His exaggerated human and animal forms combine high art and caricature with an absurd sense of proportion. The works are on loan from the George and Virginia Ablah Collection, Wichita, Kansas.

Fabric Constructions: The Art Quilt, July 10 Aug. 26

Comprised of 25 outstanding quilts by 11 contemporary quilters, this exhibition will illustrate recent directions in the art of quiltmaking. All of the artists represented in the show have demonstrated a serious commitment to the quiltmaking medium. Michael James, an internationally recognized quilter and author, organized the exhibit. Several examples of his innovative works will be on display.

Buddhist Temple Art, through August.

Included are examples of thangka paintings, ritual objects, and bronzes from Tibet and China. The works are drawn from the museum's permanent collection and from local private collections.

EVENTS

All events are free and materials are provided. Children must be accompanied by an adult. Programs organized by the museum's Education Department.

Guatemalan textile activities, Saturday, July

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

14, 10:30 a.m. - 12:30 p.m.

A variety of events introduce participants to Mayan culture. Activities include a slide lecture by photographer and Guatemalan textile expert Marilyn Anderson, a demonstration of backstrap weaving, storytelling, and a gallery talk by Helen Hamlin, Mayan textile collector.

Articipation at the Commons, Central Pavilion, downtown Ithaca, Thursday and Friday, July 26 and 27, noon - 3 p.m.

Offered in conjunction with the contemporary quilt exhibition adults and children can see demonstrations by area quilters as well as create a community crazy quilt.

Articipation at the Museum, Saturday, July 28, 10:30 a.m. 3 p.m.

This program provides an in-depth look at contemporary quilts and quiltmaking for all ages. Curator and quilter Michael James will give a slide lecture, Ithaca quilter Beth Mulholland will lead a workshop on block patterns, and everyone can join in on the creation of a community crazy quilt.

The museum, located on Central Avenue is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is always free. For more information call (607) 256-6464.

Films

Thursday

June 21, 8 p.m. *Uris Hall Auditorium. "Orpheus" (1949), directed by Jean Cocteau, with Jean Marais and Maria Casares.

Friday

June 22, 8 p.m. *Uris Hall Auditorium. "Hiroshima Mon Amour" (1959), directed by Alain Resnais, with Emmanuelle Riva, Eiji Okarda and Shelle Dassas.

Saturday

June 23, 8 p.m. *Uris Hall Auditorium. "Three Women" (1977), directed by Robert Altman, with Shelly Duval, Sissy Spacek and Janice Rule.

Sunday

June 24, 8 p.m. *Uris Hall Auditorium. "The Birds" (1963), directed by Alfred Hitchcock, with Rod Taylor and Tippi Hendren.

Monday

June 25, 8 p.m. *Uris Hall Auditorium. "The Crime of M. Lange" (1935), directed by Jean Renoir, with Rene Lefevre, Jules Berry and Marcel Levesque.

Tuesday

June 26, 8 p.m. *Uris Hall Auditorium. "Suddenly Last Summer" (1959), directed by Joseph Mankiewicz, with Elizabeth Taylor, Katherine Hepburn and Montgomery Clift.

Wednesday

June 27, 8 p.m. *Uris Hall Auditorium. "Accatone" (1961), directed by Paolo Pasolini, with Franco Citti, Franca Pasut and Silvana Corsini.

Thursday

June 28, 8 p.m. *Uris Hall Auditorium. "Olympia" Part I (1936/38), directed by Leni Riefenstahl.

Friday

June 29, 8 p.m. *Uris Hall Auditorium. "A Streetcar Named Desire" (1951), directed by Elia Kazan, with Vivian Leigh, Marlon Brando and Karl Malden.

Saturday

June 30, 8 p.m. *Uris Hall Auditorium. "Modern Times" (1936), directed by Charlie Chaplin, with Charlie Chaplin, Paulette Goddard and Chester Conkin.

Sunday

July 1, 8 p.m. *Uris Hall Auditorium. "Born Yesterday" (1950), directed by George Cukor, with Judy Holliday, William Holden and Broderick Crawford.

Lectures

Tuesday

June 26, 12 noon. Andrew D. White House garden, a Shakespeare Lunch Lecture, an Introduction to Shakespeare, with A. Cronin.

Wednesday

June 27, 8:15 p.m. Statler Hall Auditorium. "America's Flirtation with Industrial Policy." Bennett Harrison, professor of political economy at MIT and co-author of "The De-industrialization of America."

Thursday

June 28, 12 noon. Uris Hall 202. Brown Bag

Judicial Administrator

Case Summaries for May 1984

No. of Defendants:	Violation:	Penalty:
3	alteration of a University parking permit	Written Reprimand (WR); and 15 hours of Community Service (CS)
1	taking food from Co-Op	WR; 25 hrs CS with 10 hrs suspended
1	non-compliance with University official	WR
1	misuse of Co-Op Card	WR; 15 hrs CS
1	failure to comply with RA's order to reduce volume of stereo	WR; 15 hrs CS
1	possession of stolen property belonging to the University	WR; 25 hrs CS
1	disruption and obstruction of University operations	WR; 10 hrs CS
13	failure to comply with an order of the Dean of Students to disperse from Barnes Hall	WR; 25 hrs CS
1	misuse of Co-Op Card	WR; 25 hrs CS susp
2	misuse of parking permit	WR; 15 hrs CS susp
1	failure to comply with order to remove bicycle from lobby	WR
1	endangerment to another person	WR; 37 hrs CS
1	damage to University property	WR; 20 hrs susp. plus restitution of \$42.00
1	painting graffiti in dorm lobby	WR; 8 hrs CS, plus restitution of \$190.00
1	damage to University property	WR; 15 hrs CS

Barton Blotter

Two vending machines were broken into last week accounting for more than \$400 in property damages and losses, according to the morning reports of the Department of Public Safety for the period June 11 through 17.

One of the machines was a cigarette machine in the laundry room of North Campus No. 1 and the other was a machine in a women's room in Baker Laboratory.

Only five incidents of theft were reported during the seven day period. They included a \$100 table mount taken from Riley Robb Hall, a bike pack valued at \$20 and \$19 in cash and valuables taken from a purse in The Commons of Anabel Taylor Hall.

Third Party Loan Mediation Seen As Solution to Some Credit Problems

If you have been turned down by a bank when trying to refinance a loan, you don't necessarily have to take "no" as the bank's final answer.

Third-party loan mediation, provided by a budget or finance counselor, could help consumers convince a bank officer that they are good risks, according to Jeanne M. Hogarth, a consumer economist for Cornell Cooperative Extension.

Loan mediation, a new concept, is expected to become more common in the near future, says Hogarth, especially with the current trend of merging smaller banks into larger ones.

"This often means that bank branches are no longer in complete control of the bank's decision-making policies," says Hogarth, an assistant professor in the department of consumer economics and housing in the State College of Human Ecology. "When an out-of-town parent bank makes loan decisions, marginal consumers may not even be in the ballpark when it comes to renegotiating loans or getting a first loan," Hogarth explains. "Without help, their chances are pretty slim."

As soon as a request to renegotiate a loan is turned down, or a new loan is refused, the consumer should find out from the financial institution why the request was denied.

Perhaps, Hogarth suggests, the bank had incorrect or incomplete credit information. "Often, by the time a renegotiated bank loan becomes necessary, the consumer's finances are in such a bad state that the bank has lost confidence in the customer," she adds. "If the consumer can prove sincerity and responsibility by working with a budget counselor, the bank may be willing to reconsider its decision."

Thus, she says, a finance counselor can help add credibility to a consumer's request.

"While a consumer may be able to see his or her overall financial picture, the bank sees only a small part of it — the part the bank plays in the consumer's finances. A counselor can help demonstrate a feasible overall plan for debt management that might convince the bank to change its mind and refinance the loan."

A budget counselor can help draw up a budget that is practical by checking resources, income, and expenses, and by comparing them to the individual's needs and abilities to handle credit.

Budget counseling services are confidential, Cornell's Hogarth points out, and users of such a service should expect professional and confidential treatment from a counselor — a third party mediator.



Brief Reports

Straight Schedules Sunset Concerts

Willard Straight Hall will present its annual "Sunset Concert Series" on the terrace overlooking Cayuga Lake and downtown Ithaca, starting on June 27. The series will consist of six weekly concerts from 8 to 10 p.m. Wednesdays.

The tone of the concerts this summer differs from that of 1983. Last year, the "Sunset Concert Series" presented folk music of various cultures. This year, though maintaining the backwoods flavor with groups like The Horseflies and Melwood Cutlery, the organizers have changed the musical scope.

Concert-goers will be able to enjoy the beauty of Susan Sobolewski's classical piano, the high-energy rhythm of the Southside African Dance Troop, the elegant voice of jazz/pop singer Caprice, and the improvisational ensemble flights of Solco, a modern jazz quartet.

The schedule is:
June 27, The Horseflies.
July 4, Solco.
July 11, Caprice.
July 18, Southside African Dance Troop.
July 25, Susan Sobolewski.
Aug. 1, Melwood Cutlery.

Pottery Studio Open For Summer Session

The Willard Straight Hall Pottery Studio will be open for five weeks of this year's six week summer session. Memberships will be \$25 for the five weeks and will allow access to the studio during the hours the building is open, 10 a.m. - 10 p.m. Clay will be sold at \$23 for 25 pounds in addition to the membership fee. The studio will be open July 2 through Aug. 3.

There is a beginning course being offered through Summer Experimental College on Monday evenings in July from 4 to 5:30 p.m. The course will cover basic techniques for making pottery. Participants will learn hand building and wheel throwing. The course fee of \$45 includes the five-week studio membership.

For membership and further information see the Willard Straight Hall cashier between 8:30 a.m. and 4 p.m. Monday through Friday.

Uris Library Tours Planned Next Week

Guided tours on the uses of the Uris undergraduate library are scheduled daily from Monday, June 25, through Friday, June 29.

The 30-minute tours will start at the Uris Circulation Desk each day at 4 p.m. except for 3 p.m. on Tuesday, June 26 and Friday, June 29.

Special tours for handicapped students may be arranged by calling 256-2339.

Series of Tennis Clinics Scheduled

The Cornell Recreation Club will sponsor a series of 10 tennis clinics from July 9-20, open to both club members and non-members.

The lessons will be from 6 to 7 p.m. on the Kite Hill courts, or in the tennis bubble on rainy days. The series costs \$10 for CRC members and \$5 additional for non-members.

Registration may be made at the CRC office, 165 Day Hall, or by registration form sent through campus mail.

Instructor will be Steve Medoff, Cornell men's and women's tennis coach.

People

Pearman's Teaching Recognized

Charles W. Pearman, professor of architecture, has been named the recipient of the College of Architecture, Art and Planning's 1984 Martin Dominguez Award for Distinguished Teaching.

The award is rotated annually among the college's three departments and winners are selected by a committee of faculty from all college departments and the dean. Nominations are made by faculty and students.

Pearman came to Cornell in 1962, received tenure in 1968, and became a full professor in 1972. His primary teaching responsibilities are in architectural design. His current research is on dwelling typologies in various cultural contexts.

In addition, he has acted as associate dean, graduate faculty representative in architecture, and as acting chairman of architecture. In 1982 he directed the Cornell in Washington architecture program.

Norton Wins History Fellowship

Mary Beth Norton, professor of American history, is one of 14 recipients of a 1984-85 fellowship administered by the American Antiquarian Society.

Norton was awarded a Samuel Foster Haven Fellowship for research at the society's library in Worcester, Mass., on the topic of "Gender in 17th-Century America."

The society's library holds more than two-thirds of all material known to have been printed in this country before 1821, and is pre-eminent through 1876. It is the first historical society to be national in the scope of its collections.

Norton is a specialist in early American history. Her book, "Liberty's Daughters: The Revolutionary Experience of American Women, 1750-1800," was recognized by the Berkshire Conference of Women His-

tiorians as the best book by a woman historian published in 1980. She also is the author of "The British American: The Loyalist Exiles in England, 1774-1789."

In 1978, Norton was nominated by President Carter to fill one of eight vacancies on the National Council for the Humanities for a six-year term. She served as chair of the council's Research Division committee.

Norton joined the Cornell faculty in 1971. Two years later, she was elected by the faculty for a two-year term on the Cornell Board of Trustees. In 1983, she was again elected by the faculty to the board, this time for a five-year term.

A 1964 graduate of the University of Michigan, Norton earned her master's and Ph.D. degrees at Harvard University in 1965 and 1969 respectively.

Forest Group Names Kelley

John W. Kelley, associate professor of natural resources in the State College of Agriculture and Life Sciences, has received the 1984 Heiberg Memorial Award from the

Cornell's Director of Unions and Activities Ronald N. Loomis, was a presenter at a recent conference in New York City sponsored by the Interfaith Coalition of Concern About Cults. The conference was entitled "Cults and Youth in Transition: Manipulation of the Rights of Passage." The goal of the conference was to inform concerned professionals about the manipulative aspect of cults and the activities that are being undertaken to address these concerns. Participants included several hundred college and high school counselors; chaplains from colleges, military installations, hospitals, and prisons; high school teachers, youth workers, directors of religious education, and student personnel administrators. The conference was held at the Graduate School and University Center of the City University of New York in Manhattan.

New York Forest Owners Association.

The award recognizes Kelley's "many truly outstanding contributions to the field of natural resources extension in 4-H and adult education at state, regional, and national levels." The honor was presented during the association's recent annual meeting here.

A member of the Cornell faculty since 1970, Kelley has been responsible for statewide youth and adult extension education programs in natural resources.

Peggy Haine has been named director of Cornell University Summer College (formerly called the Advanced Placement Program) and coordinator of programs for high school students in the Division of Summer Session, Extramural Courses, and Related Programs. Haine is a graduate of Cornell, with a bachelor's degree in rural sociology. She has most recently served as assistant director of the Office of Sponsored Programs.

1984 Youth College Features Learning and Summer Fun

Summer learning as well as summer fun make up the curriculum for the 1984 Youth College, the young people's component of the annual Cornell Adult University.

Open to all, CAU Youth College "combines the best features of a camp with the richness of Cornell's academic environment," according to Helen Hamilton, associate director of CAU and leader of Youth College.

There will be five one-week programs running from July 1 through Aug. 4. Youth College students are divided into five groups: Teens, Junior Cornellians, Sprouts, Clowns and Li'l Bears.

The Teens (ages 13-17) program features courses that introduce students to the Cornell curriculum, as well as to mountaineering, communications, computers and riding and horse care.

For Junior Cornellians (ages 8-12), there are courses in journalism, the flora, fauna and geology of area gorges, photography, natural science and riding and horse care.

Sprouts (7-year-olds who have finished first grade), Clowns (kindergarten and first grade graduates and Li'l Bears (ages 3 through 5 who have not completed kindergarten) will play, learn, and explore Cornell from the Laboratory of Ornithology to the Veterinary College, Hamilton said.

Recreational and social activities are part of each day's schedule for each group.

Weekly fees for each age group vary, and there are additional charges for horseback riding and mountaineering.

Details of the program are available at the CAU Office, 626B Thurston Avenue, 256-6260.

Number 25

Please Post

June 21, 1984

Cornell University

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

Please Note:

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

Applications for employment can be submitted through the mail. Application

forms are available by the posted **Job Opportunities** listing at 130 Day Hall. For more information on jobs listed, contact Staffing Services, 160 Day Hall, (607) 256-5226.

*Asterisks identify jobs that were not listed last week.

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Bachelor's degree preferred. At least 5 years related experience or combination of 5 years education and experience. Proven organizational, supervisor and business skills. Please send cover letter and resume by July 15, 1984.

Minimum Starting Salary: \$17,000

Job Number: PS253

*Position: Applications Programmer I
 Department: Computer Services

Description: Maintain, develop and install, document, and modify software required for the administrative systems. Program in a batch processing language; code and debug on-line NATURAL programs to access information in the ADABAS file system for use in administrative systems area.

Minimum Starting Salary: \$16,000

Job Number: PT252

*Position: Applications Programmer I
 Department: National Submicron Facility
 Description: Assist Computer Systems Manager of NRRESS in the operation and management of the computer systems of the Facility (CALMA CAD system, VAX 11/750, several PDP-11s and a PDP-8). Duties include user training and documentation, solving software problems, development and enhancement of applications software as needed.

Requirements: B.S. in computer science or related field, or equivalent experience. Programming ability, preferably in VAX, RSX or DG environments. Interest and ability in computer-aided design, graphics, process control and/or networks.

Minimum Starting Salary: \$13,625

Job Number: PT251

*Position: Research Support Specialist I
 Department: Geological Sciences

Description: Assist in the maintenance of the department electronics facility and VAX 11/750 computer. Build, test, and repair seismic instrumentation including microprocessor controlled devices. Order parts and supplies. Participate in and/or provide support for field research in South America and the South Pacific.

Requirements: B.S. in electrical engineering or equivalent experience. At least 2 years experience in laboratory electronics, instrumentation, VAX/VMS system management desirable. Please send cover letter and resume by July 6, 1984.

Minimum Starting Salary: \$15,000

Job Number: PT257

Position: Development Officer II
 Department: Dean's Office, College of Engineering

Description: Continue present contacts and establish new contacts with industry and other potential benefactors with the purpose of raising funds for the College. Assist with planning building expansion of the College vis-a-vis fund raising. Work with faculty to develop proposals and prospects for current and future program needs. Coordinate fund raising strategies with University Development staff.

Requirements: B.S. in engineering or physical science, M.S. preferred. Fund raising and public relations background in University (technical) or

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, UI and U2 are represented by bargaining units.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

*Position: Sr. Employee Relations Specialist
 Department: University Personnel Services
 Description: To develop/administer employee relations policies and procedures for unionized and non-unionized employees; participate in the collective bargaining process including contract negotiation, administration of labor agreements, grievance resolution and arbitration. Perform special projects in related areas as required.

Requirements: BA/BS in labor relations, graduate degree in related field preferred. At least 3 year's hands-on experience in unionized environment handling all phases of collective bargaining process. Demonstrated negotiation skills and proven ability to communicate to a variety of constituents.

Job Number: P256

*Position: Manager, News Services
 Department: University Relations/News Service

Description: Report to Associate Director, University Relations. Responsible for planning and implementation of programs and materials to satisfy communications needs of schools, college or administrative assignments. Work closely with senior administrators and faculty and maintain working contact with public affairs staff and colleges. Will function as reporter as well as liaison for University Relations. Identify media contacts, prepare news releases, anticipate problems, prepare media plans, organize press conferences.

Requirements: Bachelor's degree and/or equivalent years of experience. Excellent writing ability. Experience with media (print and broadcast). Knowledge of Cornell useful. Send cover letter and resume and writing samples by June 29, 1984.

Job Number: PC254

*Position: Operations Supervisor

Department: Real Estate
 Description: Must be able to acquire, sell and lease real property for Cornell University. Inspect and analyze property, obtain appraisals and surveys. Review leases. Advise on regulations affecting real property transfers and complete administrative requirements. Follow through to closing.

Requirements: B.S. degree or equiv. Technical familiarity with real property rights and legal transactions. Attention to detail, good interpersonal skills. Proven record of performance in a business environment.

Minimum Starting Salary: \$22,000

Job Number: PS255

*Position: Dining Manager II

Department: Cornell Dining
 Description: Plan and manage all service, production, personnel and financial aspects of a dining operation.

Requirements: Associate's degree or equiv.

similar organization such as foundation, or equivalent experience in industry.

Job Number: P247

Position: Administrative Manager II
 Department: Laboratory of Ornithology

Description: Develop, implement and monitor management programs for personnel, finance, facilities operations and marketing for the laboratory. Supervise a staff of seven.

Requirements: Bachelor's degree or equivalent, MBA preferred. At least 3-5 years related management experience in fiscal control, administration and supervision. Ability to develop and utilize computer systems. Excellent organization, verbal and written communication skills.

Minimum Starting Salary: \$22,000

Job Number: P249

Position: Systems Analyst III

Department: Computer Services

Description: Design and program administrative systems. As a member of a project group, develop major software packages for the University. Develop interfaces between existing software packages.

Requirements: Bachelor's degree or equivalent. At least 3-5 years experience in mainframe computing, and an ability to work with a diverse population of users. Experience with telecommunications and/or accounting is extremely helpful.

Minimum Starting Salary: \$20,000

Job Number: PT242

Position: Budget Analyst III

Department: Endowed Budget Office

Description: Assist in preparation of the annual operating budget, monitor approved budgets, forecast operational results, and initiate action for budget adjustments. Prepare financial summaries, statements and analyses. Counsel & advise operational managers on budget policies and procedures. Provide analytical and technical staff support for Budget Office responsibilities.

Requirements: Bachelor's degree or equivalent, business/financial major preferred. At least 5 years related work experience; demonstrated excellent communication skills. Familiarity with computerized financial systems and use of microcomputers desirable. Send cover letter and resume to Staffing Services by June 22, 1984.

Minimum Starting Salary: \$18,000

Job Number: P241

Position: Research Support Specialist

Department: National Submicron Facility

Description: Responsibilities include general oversight of day-to-day cleanroom use; development and maintenance of complex equipment systems, including photolithographic and photomasking systems and associated instrumentation, a reactive ion etching machine, surface profilometer, interferometer, and other misc. equipment. Process and protocol development for the above systems. Also responsible for the instruction of graduate students and other users of the equipment; and purchasing and maintenance for these systems.

Requirements: B.S. degree or electrical engineering, physics, or related field, or equivalent experience. Practical knowledge of vacuum systems, electronics, optical equipment, photolithographic techniques, semiconductor fabrication techniques especially plasma and reactive ion etching.

Minimum Starting Salary: \$18,000

Job Number: PT243

Position: Research Support Specialist I

Department: Clinical Science

Description: Provide computer programming and data analysis support. Manage an animal research facility housing 25 horse mares and 40 pony mares and a laboratory to develop and design experiments. Create embryo transfer equipment and media for specific experiments.

Requirements: B.S. in animal science, M.S. preferred. Knowledge of animal husbandry, skills in making embryo transfer media. Experience programming including knowledge of microcomputer (IBM/PC). Some experimental research design experience.

Minimum Starting Salary: \$15,000

Job Number: PT245

Position: Student Development Specialist I

Department: University Health Services

Description: Assist the Health Educator in planning, implementing, and evaluating health education programs for students and staff, and provide auxiliary supervision of volunteer workers. Program topics only include: first aid, CPR, nutrition education, sexuality, smoking cessation, responsible use of alcohol, hypertension, and other health promotion topics.

Requirements: Bachelor's degree or equivalent in health education, community health and human services. Experience in health education, human services or previous work in a health agency. Must be able to demonstrate skills in communication and writing. Send cover letter and resume by June 29, 1984.

Minimum Starting Salary: \$13,600

Job Number: PS246

Position: Budget Analyst II

Department: Veterinary Administration

Description: Assist Director in the development, implementation and regulation of the budgetary process in accordance with general accepted accounting principles. Prepare, analyze and perfect various statistical and financial reports, surveys and forecasts. Under the guidance of the Director, provide financial coordination and training of departmental and support personnel in fiscal matters. Provide leadership and accuracy on assigned projects.

Requirements: B.A. in accounting or finance preferred. At least 1 year performing the above responsibilities with experience in computerized systems and development. Strong written and oral communication skills required. Send cover letter and resume by June 29, 1984.

Minimum Starting Salary: \$13,000

Job Number: PC244

Position: Coordinator, Reading Programs

Department: Learning Skills Center

Description: Develop and coordinate with sub-

ordinates programs in reading and study skills to be offered to Cornell University students; includes teaching time sections of Human Ecology 100 each semester. 10-month position.

Requirements: Master's degree in reading. Experience teaching college students. Send cover letter and resume by June 29, 1984.

Minimum Starting Salary: \$12,500
Job Number: PC248

Position: Supervisor, Guest Room Services

Department: Statler Inn

Description: Under general supervision, oversee work activities of cleaning staff to insure cleanliness of guest rooms within prescribed standards.

Requirements: H.S. education or equivalent. Additional related training desirable. One - two years experience in housekeeping in a hospital or hotel. Demonstrated excellent communication skills and supervisory ability necessary.

Minimum Starting Salary: \$12,500
Job Number: P2110

Clerical

All applicants interested in positions requiring typing must take an official University test. Tests are given Monday and Wednesdays at 8:00 a.m., Room 337, Statler Hall. Please contact Staffing Services for an appointment.

*Position: Administrative Aide, GR20

Department: Cornell Dining

Description: Assist unit manager and supervisor by answering telephones, making appointments, and typing correspondence.

Requirements: H.S. education or equiv. Business or secretarial school preferred. Heavy typing. Training beyond high school or secretarial experience, excellent organizational skills, ability to type accurately and to take shorthand. Excellent spelling, grammatical and writing skills.

Minimum Starting Salary: \$11,180
Job Number: C258

*Position: Accounts Assistant, GR20

Department: Education

Description: Provide accounting support and reconciling of state college, grant and endowed funds; prepare vouchers, interdepartmental and travel forms.

Requirements: Associate's degree or equiv. Medium typing. Knowledge of accounting, experience with State and University accounting desirable. Excellent interpersonal and organizational skills.

Minimum Starting Salary: \$11,739
Job Number: C2510

*Position: Administrative Aide, GR20

Department: University Health Services

Description: Under the supervision of the Health Educator, assist the staff with various projects and manage the day-to-day administration of the office. Work involves extensive contact with students. General office duties include filing; answering telephone; typing correspondence, technical tables, charts, reports; scheduling appointments; arrange travel for Health Education staff; order supplies; compile statistics; assist in coordinating and administering health education programs; supervises student volunteers as assigned.

Requirements: H.S. education or equiv. with secretarial courses. A.A.S. degree desirable. Medium typing. Excellent organization and communication (written and oral) skills. Knowledge of bookkeeping/accounting helpful. Experience with preparing camera-ready layout for pamphlets and posters useful. Supervisory experience helpful. Must be able to work independently and make decisions. Experience in health care facility, health agency, or human service organization preferred. Considerable office experience.

Minimum Starting Salary: \$11,180
Job Number: C2513

*Position: Office Assistant, GR19

Department: Finance & Business Office

Description: Provide clerical support including heavy statistical typing using Micom 2002; salary surveys; budget reports, accounting. Other duties as assigned.

Requirements: H.S. education or equiv. A.A.S. Degree or equiv. Proficient in the use of a word processor. Strong interpersonal and communication skills.

Minimum Starting Salary: \$11,257
Job Number: C255

*Position: Accounts Assistant, GR19

Department: Student Employment/Financial Aid

Description: Monitors all bi-weekly payroll transactions for 3,500 students generating a gross payroll of over \$4.5 million through the College Work-Study program. Primary liaison with all on

and off-campus employers participating in the program.

Requirements: Associate's Degree preferably in accounting or business administration. Medium typing. Good general office skills. Good oral/written communications and organizational skills. Ability to work under pressure and with little day-to-day supervision. Experience with online computer system and word processing helpful. Knowledge of Cornell's payroll and accounting system preferred.

Minimum Starting Salary: \$10,595
Job Number: C251

*Position: Administrative Aide, GR19

Department: Computer Services

Description: Responsible for keeping accurate expenses and income records. Reconcile accounts with monthly operating statements; also responsible for training and managing office support staff; provide project support of seminars and workshops; oversees preparation of all purchase orders, small vouchers and local pick up orders.

Requirements: A.A.S. Degree or equiv. Bachelor's degree or equiv. experience preferred. Medium typing. Experience with office management and accounting essential. Must have good communication skills and have the ability to work under pressure in a complex active computer environment. Experience with microcomputers very desirable.

Minimum Starting Salary: \$10,595
Job Number: C259

*Position: Office Assistant, GR19

Department: University Press

Description: Provide assistance to members of the Advertising Department. Duties include executing marketing plans for all CU Press titles; writing copy; collecting review quotes; maintaining complete catalog; handling awards program; assisting with exhibits and publicity; ordering direct mail lists and envelopes; compiling illustrations; screening review request; gather bibliographic information; updating computer lists; maintaining logs; proofreading; and typing correspondence and review lists. Two year appointment, renewable.

Requirements: H.S. education or equiv. Some college preferred. Medium typing. Some secretarial experience. Experience with book publishers, newspapers, magazines, or in advertising helpful. Strong interpersonal and communication (written & oral) skills.

Minimum Starting Salary: \$10,595
Job Number: C253

*Position: Office Assistant, GR19

Department: Registrar

Description: Prepare, certify and as necessary, transmit official University transcripts. Provide public service to certify or validate, to external organizations, agencies or individuals, the current or prior enrollment status, degree status, or record of academic achievement of present or former Cornell students.

Requirements: H.S. education or equiv. Heavy typing. Computer input experience. Excellent interpersonal and organizational skills.

Minimum Starting Salary: \$10,595
Job Number: C2511

*Position: Secretary, GR18

Department: University Relations/News Services

Description: Assist in preparation, mechanical reproduction and prompt distribution of more than 700 new stories released annually to newspapers, magazines and radio-TV stations. Prepares 'scanner ready' copy for Ithaca Journal computer in producing Cornell Chronicle. Types drafts, memos and letters for staff writers; routes calls and visitors to appropriate News Services staff or other offices within the University.

Requirements: Associate degree or equivalent years of experience necessary. Heavy typing. Word processing, IBM memory typewriter, mimeograph and mailing equipment. Must have good knowledge of spelling grammar and punctuation. Must be able to type accurately under pressure and respond to deadlines.

Minimum Starting Salary: \$10,000
Job Number: C257

*Position: Secretary, GR18

Department: Chemistry

Description: Secretary to one professor. Duties include typing technical manuscripts, proposals, correspondence; filing; travel arrangements.

Requirements: H.S. education or equiv. Business or secretarial school preferred. Heavy typing. Technical typing. Office experience. Strong communication and organizational skills. Knowledge of word processor (MICOM) preferred.

Minimum Starting Salary: \$10,000
Job Number: C2512

and off-campus employers participating in the program.

*Position: Secretary, GR17

Department: Center for International Studies

Description: Provide clerical support for Director and Administrative Manager. Duties include typing; maintaining files; copying; answering telephones; processing mail. Other duties as assigned.

Requirements: H.S. education or equiv. Business or secretarial school preferred. Heavy typing. Some office experience. Strong organizational, interpersonal and communication skills.

Minimum Starting Salary: \$9,492
Job Number: C254

Position: Accounts Assistant, GR21

Department: Albert R. Mann Library

Description: Handle all the income and disbursements and keeps account records for the library budget. Responsible for payroll, billing, fund transfers, typing of vouchers, and vendor relations. Maintains equipment inventory, orders supplies and carries out a wide variety of general office procedures. Actively participates in developing microcomputer applications in the office.

Requirements: A.A.S. degree, Bachelor's degree or equivalent preferred. College level accounting courses or equivalent experience preferred. Medium typing. Substantial general office experience and accounting experience highly desirable. Microcomputer experience desirable.

Minimum Starting Salary: \$12,469
Job Number: C2414

Position: Secretary, GR18

Department: Clinical Science

Description: Provide secretarial support to 4 professors, post-doctoral students and graduate students. Duties include typing; filing; proofreading; copying manuscripts, correspondence, and grant proposals, etc.; making travel arrangements; keeping appointment calendar; telephone receptionist; process equine donations and time cards; and interact with CAU and Coop. Extension.

Requirements: H.S. education or equivalent. Business or secretarial school preferred. Heavy typing. Some office experience. Excellent organizational and interpersonal skills.

Minimum Starting Salary: \$10,500
Job Number: C245

Position: Cornell Tradition Secretary, GR18

Department: Student Employment/Financial Aid

Description: Initial contact person for inquiries regarding the Cornell Tradition. Operates and trains others on word processor; types correspondence, reports; makes travel arrangements.

Requirements: H.S. education or equivalent. Some college preferred. Medium typing. Experience with IBM Display Writer preferred. Good interpersonal and communication (written and oral) skills.

Minimum Starting Salary: \$10,000
Job Number: C246

Position: Special Collections Assistant, GR18

Department: University Libraries/Rare Books

Description: Catalog modern literary manuscripts; preacquisition and pre-catalog searching of books (requires knowledge of RLIN and NUC searching); page books and manuscripts; answer reference questions and departmental correspondence; checking in, processing, and transferring books; processing invoices.

Requirements: A.A.S. degree or equivalent. Light typing. Previous library experience desirable.

Minimum Starting Salary: \$10,000
Job Number: C249

Position: Searcher, GR18

Department: Acquisitions/Olin Library

Description: Search books in Slavic language in card catalogs, bibliographies, OCLC and RLIN automated systems. In process Status list; input records for new books in RLIN database; other duties as assigned by Head of Searching Section.

Requirements: H.S. education or equivalent. Light typing. Excellent reading knowledge of Russian; at least 3 years progressively more responsible technical services experience desirable; reading knowledge of Cyrillic languages other than Russian and East European languages desirable.

Minimum Starting Salary: \$10,000
Job Number: C2412

Position: Secretary, GR18

Department: Agricultural Economics

Description: Secretary and receptionist for 3 full-time academic Extension personnel in a small work group. The position provides the staff support for the Extension Land Use program as well as the Local Government Program. Duties

include typing; word processing; computer operation; dictation transcription; making arrangements for meetings and travel; preparing reports and manuscripts for reproduction; library research.

Requirements: H.S. education or equivalent. Community College or business school preferred. Heavy typing. Some office experience. Excellent communication (written and oral) skills. Knowledge of word processors/computers helpful.

Minimum Starting Salary: \$10,500
Job Number: C2415

Position: Office Assistant, GR17

Department: Administrative Operations-University Libraries

Description: Maintain a record of photocopy activities including service & problem log; data on number of copies produced; revenue & Venda Card activity; statistics on machine maintenance; input records and statistics into computer database, using Lotus 1-2-3 software package; provide minor equipment repairs; oversee and supervise activity of 3-4 student assistants; collect, count & package revenue; other duties as assigned.

Requirements: H.S. education or equivalent with some college course work preferred. Light typing. Familiarity with photocopy equipment or willingness to learn; proven ability to work independently. Good interpersonal skills.

Minimum Starting Salary: \$9,492
Job Number: C2413

General Service

*Position: Field Assistant, SO18

Department: Animal Science (Statutory)

Description: Field work entails actual planting and harvesting of crops necessary to feed the dairy, beef and sheep. Dairy work entails: milking cows, recording milk weights, directing cow traffic from and to parlor and maternity unit, feeding animals, freezing brand, assisting with herd health-breeding and medications, health records, and general miscellaneous duties connected with a large herd.

Requirements: H.S. education or equiv. Must have Class 3 license. Must have experience operating large trucks, tractors and field equipment for crop planting and harvesting from June to October. Experience with general maintenance on above equipment. Must have experience in handling dairy animals associated with milking, feeding and general herd health care. Animal health physical required.

Minimum Starting Salary: \$5.20/hr
Job Number: S254

*Position: Custodian, SO16

Department: Buildings and Grounds Care (Endowed)

Description: Provide maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area.

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

Minimum Starting Salary: \$4.30/hr
Job Numbers: S257, S258

*Position: Custodian, SO16

Department: Buildings and Grounds Care (Statutory)

Description: Provide maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area.

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

Minimum Starting Salary: \$4.65/hr
Job Numbers: S252, S255, S256

*Position: Cashier, GR15

Department: Statler Inn

Description: Operate cash register at Hotel School coffee hour each morning, and Main Dining Room lunch each day. Must be available and willing to act as cashier in any other area as necessary.

Requirements: H.S. education or equiv. Knowledge of NCR 2160 register helpful. At least 1 year cashier experience preferred.

Minimum Starting Salary: \$8,610
Job Number: S251

Position: Equipment Installer, SO19 (Repost)
Department: Office Equipment Center (Endowed)

Description: Install, hook-up, verify operation and demonstrate basic use of typewriters, word processors and other equipment.

Requirements: H.S. education or equivalent. Associates degree in electronics preferred. At least 2-3 years experience in electronic/mechanical area. Must be familiar with a variety of personal computers, electronic

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Job Opportunities

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typewriters and word processor equipment. New York State drivers license required.

Minimum Starting Salary: \$5.07/hr.
Job Number: S161

Position: Animal Technician, GR18
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 in carrying out assigned duties.

Requirements: H.S. education or equivalent. Some animal handling experience desirable. Assistant Animal Technician Certification helpful. Pre-employment physical required.

Minimum Starting Salary: \$10,500
Job Number: S248

Position: Nutrition Aide, GR17
Department: Cooperative Extension, New York City

Description: Work with low income families and children to help them acquire knowledge needed to improve the nutritional quality of their diets. Maintain records and make reports as required. Teach both children and adults on a one to one basis and/or in group situations.

Requirements: H.S. education or equivalent. Minimum Starting Salary: \$9,967

Job Numbers: S241, S242, S243, S244

Position: Sales Assistant, GR15
Department: Campus Store
Description: Wait on customers, operate cash register, stock shelves, and assist in displays.

Requirements: H.S. Education or equivalent. Some previous retail training would be desirable.

Minimum Starting Salary: \$8,610

Job Number: S245

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:** Accelerator Technician, GR20-26
Department: Laboratory of Nuclear Studies
Description: Under supervision, perform technical work related to the maintenance of an accelerator system. Duties include electrical wiring, power and control wiring, mechanical fabrication including machining and welding, plumbing, soldering, and brazing on a closed, low conductivity water system. Fabricate or modify electrical or mechanical devices working from sketches or general instructions.

Requirements: Associate's degree or equivalent in mechanical/electrical field. Considerable experience in a mechanical field.

Minimum Starting Salary: \$11,180

Job Number: T251

***Position:** Electronic 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 equivalent 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. At least 3-4 years experience diagnosing and repairing problems with computer terminals and Data Communication equipment.

Minimum Starting Salary: \$14,075

Job Number: T254

***Position:** Technician, GR22
Department: Veterinary Pathology
Description: Perform viral and immunological assays using tissue culture and Elisa procedures; perform limited electron microscopy procedures; assist in training graduate students in tissue culture procedures.

Requirements: B.S. degree or equivalent in biological science with graduate course work or equivalent experience in animal virology/immunology. At least 2-3 years experience in tissue culture and immunology and/or animal virology laboratory.

Minimum Starting Salary: \$13,141
Job Number: T253

***Position:** Technician, GR22
Department: Food Science and Technology, Geneva

Description: Assist professor in conducting food analysis and biochemical research on grape juices, wine, and other fruits and vegetables.

Requirements: Bachelor's degree in chemistry or biology, including courses in biochemistry, analytical, and organic chemistry. Laboratory experience in food analysis and general biochemistry. Knowledge in food analysis and wines, and skills to perform research utilizing chromatographic, spectrophotometric, and electrophoretic techniques. Ability to interpret results.

Minimum Starting Salary: \$13,141
Job Number: T258

***Position:** Technician, GR22 (Repost)

Department: Entomology

Description: Design and conduct experiments in molecular biology and recombinant DNA techniques. Conduct gel electrophoresis of proteins and nucleic acids. Dissect insects. Analyze gene structure. Library searching and writing.

Requirements: Bachelor's degree or equiv. in biochemistry; Master's degree preferred. Training in biochemistry and molecular biology techniques.

Minimum Starting Salary: \$12,515
Job Number: T222

***Position:** Technician, GR21

Department: Diagnostic Lab.

Description: Perform a variety of serological tests, including serum neutralization, complement fixation, agar gel immunodiffusion, and hemagglutination inhibition. Preparation of clinical specimens and performance of fluorescent antibody and viral isolation procedures. Preparation of media and other solutions.

Requirements: Bachelor's degree in microbiology, biology or related field. At least 2 years work experience. Good sterile techniques, basic microbiology techniques required. Experience in tissue culture and virus isolation desired but not required.

Minimum Starting Salary: \$12,469
Job Number: T252

***Position:** Technician, GR21

Department: Plant Pathology, Geneva

Description: Provide technical assistance to extension plant pathologist active in the following areas: laboratory, greenhouse, and field studies on the control of soilborne diseases of fruit plants; diagnosis of fruit plant diseases; field surveys of fruit disease incidence; and monitoring disease and pathogen development.

Requirements: B.S. in plant sciences preferred with course work in plant pathology. General laboratory skills, including sterile technique and microscope usage. Familiarity with computer operations and statistical packages. Greenhouse and field experience necessary.

Minimum Starting Salary: \$11,875
Job Number: T259

***Position:** Technician, GR21

Department: Chemistry

Description: Prepare and distribute reagents and supplies required by various laboratory courses; oversee the daily laboratory operations of the unit as directed by the Manager; supervise and assign work to the staff.

Requirements: Bachelor's degree or equiv. in chemistry. Knowledge of chemistry laboratory techniques and procedures; good interpersonal communication skills; substantial laboratory experience; supervisory experience preferred.

Minimum Starting Salary: \$11,875
Job Number: T256

***Position:** Technician, GR18

Department: Section of Plant Biology

Description: Assist principal investigator involved in wind pollination research. Primary duties involve computer data entry-retrieval, darkroom and photographic assistance; field work assistance.

Requirements: A.A.S. degree or equiv. preferably with courses in botany. Skills in basic computer programming skills and photographic including familiarity with darkroom techniques.

Minimum Starting Salary: \$10,500

Job Number: T257

Position: Lab. Equipment Technician, GR24

Department: Applied & Engineering Physics

Description: Assist with 3 teaching laboratories; provide photographic services for department, repair electronic and mechanical equip-

ment, fabricate laboratory apparatus, provide miscellaneous tasks such as ordering equipment, keep inventory records, and set up audio visual equipment.

Requirements: A.A.S. degree in electronics. Knowledge of electronics and digital circuitry and mechanical fabrication. Photographic experience helpful; skill in the use of machine tools such as drill press, lathe and milling machine required.

Minimum Starting Salary: \$14,075
Job Number: T241

Position: Technician, GR20

Department: Vet Microbiology

Description: Maintain tissue cultures, handle experimental animals (cats, mice, rats), perform procedures associated with hybridoma technology. Produce classify, and maintain monoclonal antibodies.

Requirements: B.S. in biology with courses in biochemistry and microbiology. Knowledge of microbiology laboratory techniques.

Minimum Starting Salary: \$11,739

Job Number: T242

Position: Research Assistant I

Department: Boyce Thompson Institute - Contact Department Directly, See Below

Description: Operate gas analysis, video and other electronic instrumentation, maintain plant cultures, and carry out experiments designed to test the physiological response of plants to environmental stress.

Requirements: Bachelor of Science or equivalent. Laboratory experience desirable. Background in electronics and/or computer science helpful.

Minimum Starting Salary: \$11,500

Contact: Dr. Jim Ellenson, Boyce Thompson Institute, 2572030.

Position: Senior Experimental Machinist, GR24 (Repost)

Department: Biochemistry/CHESS

Description: Perform all operations necessary to fabricate and assemble parts working from drawings, sketches and oral instruction using standard shop machinery such as lathes, milling machines, drill presses and certain specialized machinery.

Requirements: Associate's degree in mechanical technology, or a documented apprenticeship in the machine trades, with five years machinist experience or the equivalent combination of education and experience. Ability to prepare drawings, to assist in the design of specialized apparatus for x-ray diffraction experiments and in its testing, and to instruct experimenters in use.

Minimum Starting Salary: \$14,075

Job Number: T102

Part-time

***Position:** Program Aide, GR20

Department: Human Development & Family Services

Description: A member of the teaching team which provides a daily three-hour program for about 20 three-, four-, and five-year-olds, in the departments demonstration school.

Requirements: Bachelor's degree or equiv. preferred in early childhood development or education or related field. At least one year experience assisting in preschool level classroom; experience with special needs children and families preferred.

Minimum Starting Salary: \$11,739/annual

equivalent

Job Number: S253

Position: Sr. Night Supervisor, GR20

Department: Circulation/Olin Library

Description: Oversee circulation desk and book stacks during evenings hours. Responsible for security of building; supervise work of students at Circ. desk and non-desk activities; coordinates efforts in established procedures, closing & special projects; sets performance standards and monitors student performance; assists with routine duties as necessary. Assists with hiring, scheduling and evaluating student assistants. 20-24 hours/week; T 6:00 p.m.-midnight, other hours to be arranged.

Requirements: College education or equivalent experience and/or training. Light typing. Strong public service orientation and demonstrated supervisory skills.

Minimum Starting Salary: \$11,180/annual

equivalent

Job Number: C241

Department: Veterinary Administration

Description: Perform secretarial, clerical and receptionist support for Veterinary Administration's Central Secretarial Services Office and act as a 'floater' for short-term assignment to other veterinary departments.

Type correspondence, reports, manuscripts, grant proposals from handwritten copy or dictation tapes. Answering the phone, filing, collating and xeroxing. M-F 8:00 a.m.-12:00 noon, flexible.

Requirements: H.S. education or equivalent. Business or Secretarial School preferred. Heavy typing. At least 1-2 years previous secretarial experience. Typing accuracy excellent. Excellent spelling, grammar and telephone skills. Dictation skills. Ability to handle confidential materials with discretion essential. Word processing skills (Xerox 860, IBM, MICOM) essential or willingness to learn.

Minimum Starting Salary: \$10,500/annual equivalent

Job Number: C241

Position: Administrative Secretary, GR18

Department: China-Japan Program

Description: Chief responsibility for two publication series, from communicating with authors to processing orders and keeping records; general office duties including typing, xeroxing, answering routine correspondence; keeping records on students, faculty, courses, etc., setting up faculty lunches; gathering information for grant proposal, etc. 20 hrs/week, must work Tuesdays & Fridays.

Requirements: A.A.S. or equivalent. Medium typing. Office experience. Editorial skills. Some experience with accounting procedures, accounts payable and receivable. Ability to work independently.

Minimum Starting Salary: \$10,000/annual equivalent

Job Number: C247

Position: Department Secretary, GR16

Department: CISER

Description: Provide secretarial/receptionist support to the department. Duties include typing, filing, answering telephone. Other duties as assigned. M-F, flexible hours.

Requirements: H.S. education or equivalent. Heavy typing. Some office experience. Good typing skills. Knowledge of word processor helpful. Excellent interpersonal skills.

Minimum Starting Salary: \$9,040/annual equivalent

Job Number: C244

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: Secretary, T-2

Department: Food Science & Technology, Geneva

Description: Participate in carrying out the secretarial responsibilities of a large research department. Duties include typing manuscripts; filing; answering telephone; data input; other duties as assigned. Position available September 9, 1984, to March 12, 1985.

Requirements: A.A.S. in secretarial science or H.S. plus work experience. Heavy typing. Use of word processor desirable; shorthand desirable; ability to use cassette recorders and calculators.

Minimum Starting Salary: \$5.16/hour.

Job Number: C256

Academic

Please contact department directly.

Position: Post-Doctoral Research Associate
Department: Horticultural Science, New York State Agricultural Experiment Station, Geneva, NY

Job Number: A241

Position: Assistant Professor

Department: Entomology, New York State Agricultural Experiment Station, Geneva, NY

Job Number: A242, A243