

Comstock Hall, Entomology's New Home, Dedicated in Ceremonies Here Friday

Top officials from the State University of New York and Cornell will dedicate John H. and Anna B. Comstock Hall on campus May 2.

Comstock Hall, located on Garden Avenue next to Teagle Hall, is the new home for the Department of Entomology, Media Services, and portions of the Division of Biological Sciences in the College of Agriculture and Life Sciences.

David L. Call, dean of the College of Agriculture and Life Sciences, will preside over the dedication ceremony, which will take place on the building's north lawn at 4 p.m. Friday. Cornell President Frank Rhodes and SUNY Chancellor Clifton R. Wharton will speak. Other dignitaries will include Austin H. Kiplinger, chairman of the Cornell University Board of Trustees, and Maurice J. Tauber, chairman of the Department of Entomology.

In celebration of the dedication, a colloquium on the "Transformation of Entomology" will be held Saturday, May 3, starting at 8:45 a.m. in Alice Statler Auditorium. The colloquium is free.

"The program will feature a series of lectures about how entomology is moving into the next century," says James Liebherr, assistant professor and curator of entomology in the College of Agriculture and Life Sciences. "In the biological sciences, the study of insects is playing an ever increasing role in research."

Entomologists from around the country will present the lectures, including "The Thread of Ariadne and the Temples of the Muses" by George E. Ball, professor of entomology from the University of Alberta, Canada; and "The Transformation in Insect

Ecology" by Peter W. Price, professor of biological sciences from Northern Arizona University.

Other talks include "Evolution by Selection: The Transforming Theory and Method" by Randy Thornhill, associate professor of biology, University of New Mexico; and "The Transformation of Entomology: Basic Research and Integrated Pest Management" by Robert L. Metcalf, professor of entomology, University of Illinois.

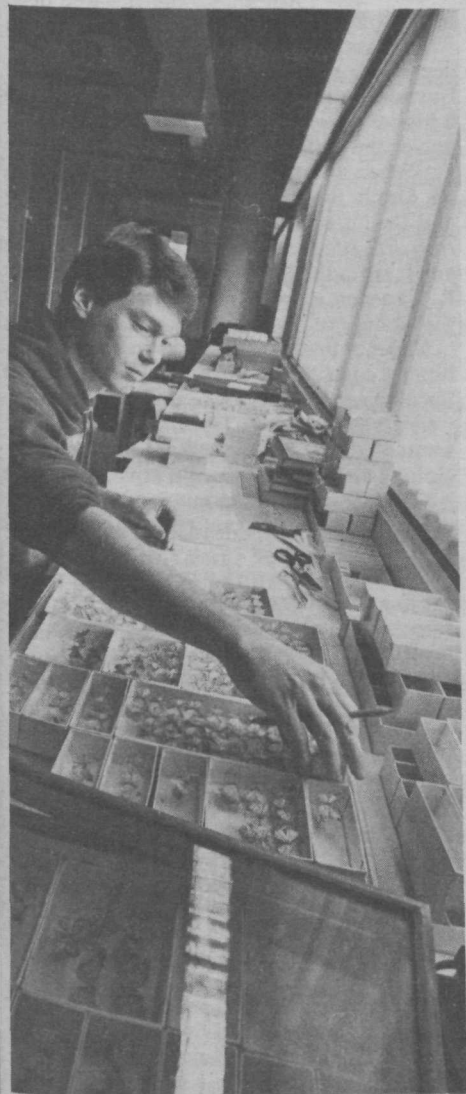
"These talks underscore the growing importance of entomology, and Comstock Hall underscores the commitment of the College of Agriculture and Life Sciences to the study of entomology and other fields," Liebherr says.

Comstock Hall was completed in 1985 at a cost of \$15.4 million, including the cost of design, construction, scientific equipment and furniture. The funds were provided through the State University Construction Fund. Originally known as Academic II, the six-story brick structure includes classrooms, laboratories, offices, and teaching facilities.

"The modern laboratories and teaching facilities immensely increase our ability to teach more efficiently," says Liebherr. "Students will be working and learning under the best of conditions."

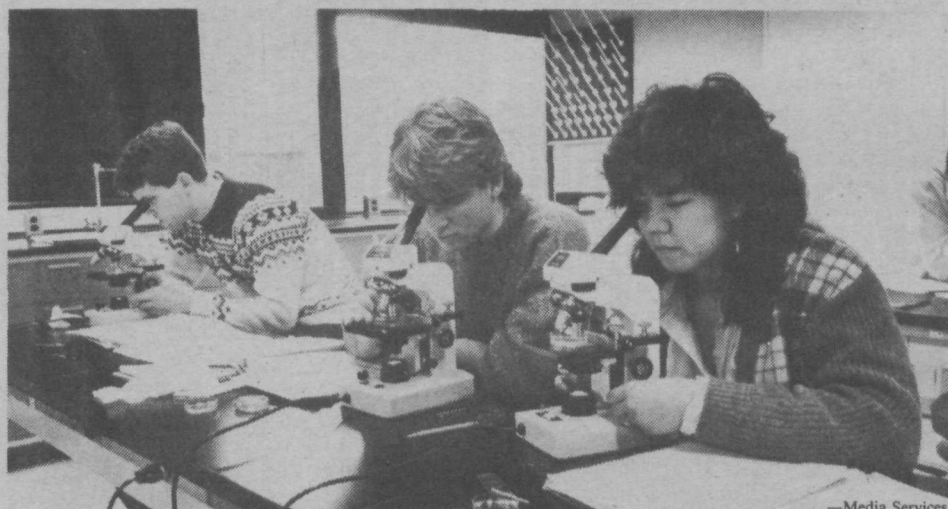
Various departments and programs moved to the building about a year ago. Before the new building was built, the entomology de-

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—Media Services

John Boggan, an entomology technician, works in the Cornell Insect Collection in Comstock Hall.



—Media Services

A laboratory in an introductory biology lab course is used by (from left) Edward G. Cox '88, Andy Mavian '89, and Janice Chen '89.

Chester New Dean of Arts



CHESTER

Geoffrey V. Chester is being recommended as dean of the College of Arts and Sciences at Cornell University for a five-year term, beginning July 1, 1986. The recommendation by President Frank Rhodes is subject to the approval of the university's Board of Trustees at its meeting in Ithaca May 30.

Chester, a member of the physics faculty and associate dean of the Arts College, will succeed Alain Seznec, dean since 1978.

In a statement, Rhodes said, "Geoffrey Chester has served the College of Arts and Sciences as associate dean with great effectiveness. One very gratifying aspect of his relationship with the faculty of the college is the respect and trust he has earned. He had the unanimous support of the search committee; the entire campus community will benefit from his intimate knowledge of the goals of the college and the university. I look forward to working with him to build upon the programs of the College of Arts and Sciences, programs that are so central to the life of the university."

Chester's nomination was endorsed by the Arts College faculty at a meeting with President Rhodes Friday, April 25.

At the completion of his first term as dean in 1983, Seznec agreed to serve a second term of three years before returning to teaching and research. A specialist in 17th century French literature, Seznec has been a member of the Cornell faculty since 1958.

Seznec appointed Chester associate dean of the Arts College in 1978, stating then that he would be "my alter ego as dean."

Seznec said Friday, "I am extremely pleased that Geoffrey Chester will be the new dean of the college. Over the years, I have appreciated his good judgment, his sense of fairness, and his broad understanding of the college. He has been a first rate colleague and adviser, and has contributed genuine leadership."

Chester has been a professor at Cornell since 1964, serving as chairman of major university study groups concerning self governance and academic responsibility of the faculty.

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National Academy Names Richardson and Turcotte

Two Cornell faculty members, Robert C. Richardson and Donald L. Turcotte, have been elected to membership in the National Academy of Sciences.

They were among 59 American members and 15 foreign associates honored for their record of "distinguished and continued achievements in original research" at the 123rd annual meeting of the organization Tuesday, April 29, in Washington, D.C.

Their election, considered one of the highest honors that can be accorded an American scientist or engineer, brings the Cornell membership in the academy to 38.

President Frank Rhodes said, "I congratulate Robert Richardson and Donald Turcotte on behalf of the entire Cornell community for this singular recognition of their individual accomplishments. Their combined association with Cornell covers nearly 50 years, and the Cornell community can take collective pride in the honor that has been bestowed on them."

Richardson, a professor of physics in the College of Arts and Sciences, conducts his research in low-temperature phenomena in the Laboratory of Atomic and Solid State Physics. He joined the faculty as an assistant professor of physics in 1968, after serving as a research associate since 1966; he was named a professor in 1975.

Credited for his part in the 1971 discovery



TURCOTTE



RICHARDSON

at Cornell of the superfluid phases of helium-3, Richardson focuses his low-temperature experiments on the properties of materials as they approach absolute zero (-273.16 degrees Celsius). Previous honors to Richardson include the 1976 Simon Memorial Prize of the Institute of Physics, London, and the 1981 Oliver E. Buckley Solid State Physics Prize of the American Physical Society. He earned the B.S. (1958) and M.S. (1960) degrees from Virginia Polytechnic Institute and the Ph.D. (1966) from Duke University.

Turcotte, the Maxwell M. Upson Professor of Engineering, is professor and chairman of the Department of Geological Sciences in the College of Engineering. He

joined the Cornell faculty as an assistant professor of aerospace engineering in 1959 and was named a professor in that field in 1969. He was selected department chairman in 1981.

Moving to geological sciences in 1973 to study convection processes in the Earth's interior, Turcotte demonstrated the importance of thermal boundary layers to the motion of tectonic plates around the surface of the planet. His contributions to theoretical geophysics have been acknowledged with the Day Medal of the Geological Society of America (1981), the William Smith Lecture-ship of the Geological Society of London (1982), and the New York State Regents Medal of Excellence (1984). Turcotte earned the M.S. degree (1955) from Cornell and the B.S. (1954) and Ph.D. (1958) degrees from California Institute of Technology.

Established in 1963, the National Academy of Sciences is a private organization of scientists and engineers dedicated to the furtherance of science and its use for the general welfare. Although not a government agency, the academy acts as an official adviser to the federal government, upon request, in matters of science and technology.

ILR School Marks 40th

Cornell's School of Industrial and Labor Relations will mark its 40th anniversary with a conference Friday and Saturday on "Equity and Efficiency in the Workplace."

Participants will include Stephen Schlosberg, deputy undersecretary of the U.S. Department of Labor, and Douglas Fraser, former president of the United Auto Workers.

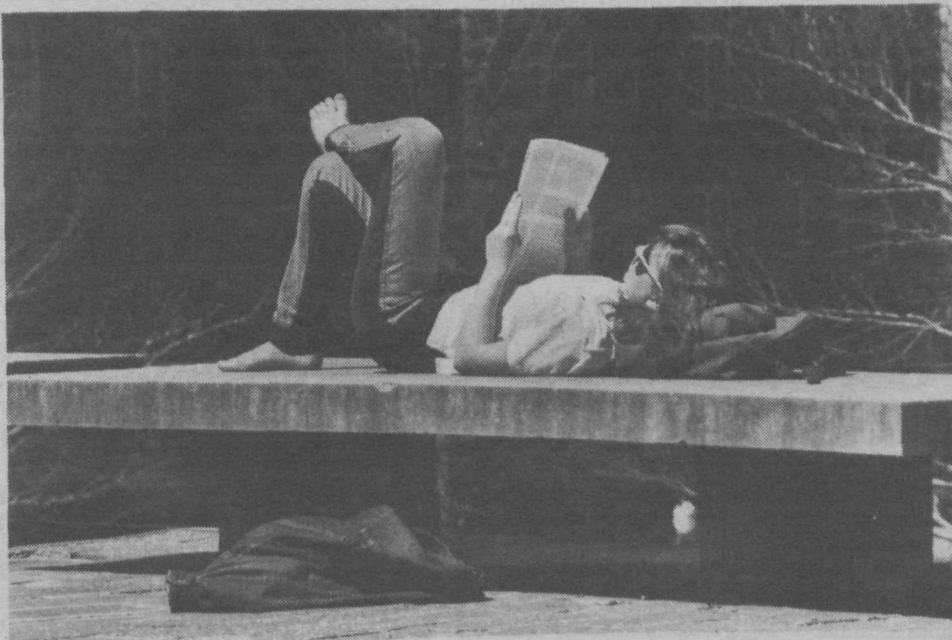
More than 200 ILR alumni and others are expected to attend.

Presentations and panel discussions will focus on the role of government in the work place, dispute resolution, managing human resources, and other topics.

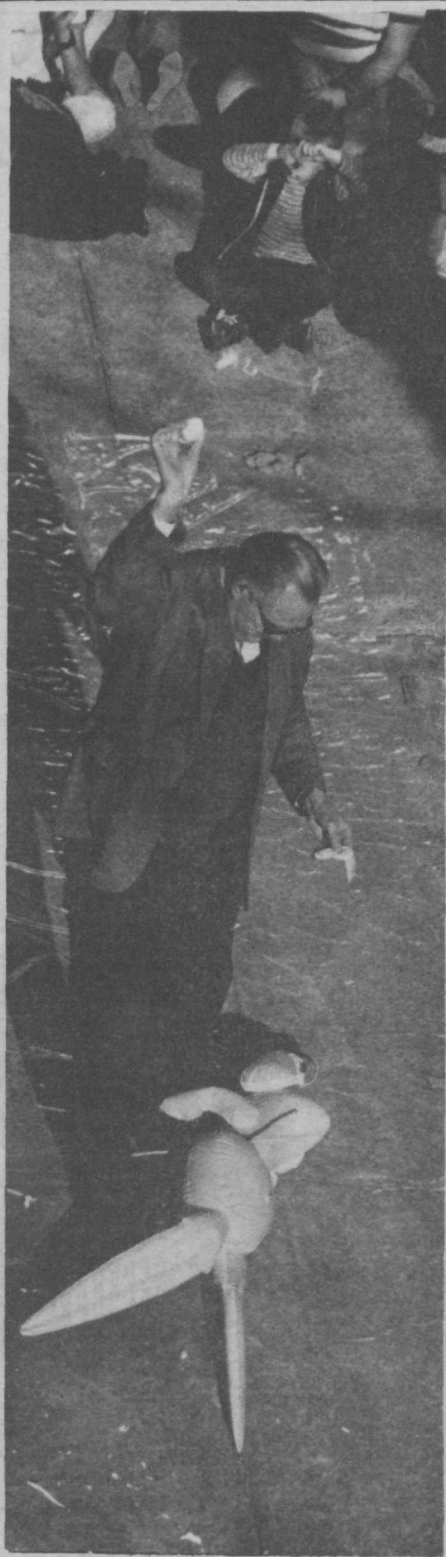
Labor leaders, business professionals, faculty members, and others will serve on conference panels.

The ILR school, which opened Nov. 1, 1945, was conceived primarily by Irving M. Ives, then majority leader of the New York State Assembly.

The conference panel discussions will be held in room 120 Ives Hall and are open to the public. They will be held from 2 to 5 p.m. Friday and from 9:30 a.m. to 12:30 p.m. and 2 to 5 p.m. Saturday.



Catching rays and some knowledge at the same time were good possibilities early this week.



This airborne egg survived a trip in a rabbit, contest judge Robert Wehe concluded.

Egg Droppers Succeed Once More With Elegant, Absurd Solutions

By ROGER SEGELKEN

Given a chance to toss raw eggs out windows, students will figure a clever way to do it.

The challenge in the eighth annual egg drop contest last Friday was the same as ever: deliver the egg — intact — from the fourth floor of Upson Hall to the concrete patio below. The exercise in aerodynamics and packaging, sponsored by the Cornell student chapter of the American Society of Mechanical Engineering, prompted solutions from the elegant to the absurd.

A cube-shaped parachute transported the cargo without a splat. So did a simple paper cone with paper padding, a pyramid-type parachute, and a plastic trash bag.

The onlookers murmured their appreciation for a whirling paper device, but the impact proved traumatic to the egg. A cardboard cylinder wobbled purposefully as it dropped; again, an omelet.

Judging the contest were faculty members

Peter Auer, John Booker, and Robert Wehe. Judging from their expressions, the best part of the job was not removing the sometimes-sloppy egg from the descent module.

An inflated Easter bunny with people sneakers landed on its feet. A shiny parachute also saved the egg, but drew hisses from the crowd when the fragile baggage was found to be packed in shaving cream.

Not every winner was an engineering student. Peter Glassey, a senior in engineering, won the best impact device award. But a sophomore in the College of Arts and Sciences, Victor Pan, walked off with two prizes for best engineering and the most creative device.

And then there was the award for the best drag device (that's engineering talk for parachutes and so forth). The honor went to Jordy Writer, a junior in Ithaca High School and son of Cornell Soccer Coach Jack Writer.



Winners in the egg drop contest were, from left, Peter Glassey, best impact device; Victor Pan, best engineering and most creative; and Jordy Writer, best drag device.

Human Cost Of Farm Crisis A High One

By JOSEPH SCHWARTZ

The loss of a job and family income is a depressing situation for anyone to endure. But when a farm fails, the situation takes on a higher order of devastation that often involves the children of farmers.

"When a farm goes under, the farmer and his family lose their house, their business, and their sense of who they are and what they are. It's as if they were cut loose and seadrift from the life they knew," says Harold R. Capener, a professor of rural sociology in the College of Agriculture and Life Sciences.

Capener made his remarks in a talk on the human costs of the farm crisis at the annual Social Trends and Outlook Conference at Cornell Wednesday. The conference was sponsored by the Department of Rural Sociology and Cornell Cooperative Extension.

Capener said that many people don't understand the human ramifications of the loss of a farm.

"Unlike the factory worker who was laid off due to forces beyond his or her control, a farmer feels responsible for his financial problems. He feels he let his family down, and the inability to pay debts goes against his agrarian values and work ethic," he said.

Children of farmers tend to pay a high price for their parents' financial woes as well.

"Unlike offspring of factory or other workers, farm children are a part of the business operation," Capener pointed out. "They understand what it takes to run the farm, what machinery costs, and how commodity prices affect them. And when the farm is in trouble, they share the sense of guilt and shame with their parents."

The human stress caused by the collapse of a farm is compounded by a sense of isolation, and friends and neighbors often provide little solace in those situations, he said.

"They have trouble talking about it, bringing it into the open because they say to themselves, 'There, but for the grace of God, go I.'"

This sudden isolation can be devastating to someone reared in a close-knit community.

"The biggest cause of suicides has been the inability of the family to deal with this failure and social isolation," Capener explained.

But the human cost of the farm crisis isn't limited to the individual farm.

"It has a ripple effect. When one farm goes under, three jobs are lost; if ten farms go under, a business is lost in town. All that adds up to more unemployment, weakened rural economies — more misery," he said.

And the people who are leaving rural communities tend to be younger families.

"The future of these communities can be seen packing up and moving to the cities," Capener said.

Typically, the farms that are fighting a losing battle are those that got into farming in the late 1960s through the early 1980s. They are young families, and more than half of them are college educated.

"Every state must be prepared to help its farm communities," Capener emphasized.

"Our farmers have such intrinsic worth and value to us and we must work to keep them here, whether they stay in farming or not."

PRC Seeks Community Comment

Members of the Proxy Review Committee of the Board of Trustees will vote Thursday, May 8, on three proxy proposals related to South Africa.

PRC chairman Patricia Carry Stewart said community comment is being sought on the proxies involving AIG, Exxon, and General Motors.

AIG (American International Group, an insurance corporation) is being asked by the Lutheran Theological Seminary to terminate immediately its operations in South Africa.

Exxon Corp. is being asked by several religious organizations to terminate its South Africa operations by the end of 1986 if certain conditions, including the elimination of apartheid, are not met by then.

The third request, from the New York City employees retirement system and a group of religious organizations, calls on

GM to stop selling to the South African military, police, and governmental agencies.

The full text of these proposals, and the Investor Responsibility Research Center reports on them, can be obtained from the Office of University Investments.

Comments can be submitted to Beverly Maynard at the Office of University Investments or to any member of the committee: Patricia Carry Stewart, Aubrey E. Robinson Jr., Paul R. Tregurtha, Erik Thorbecke, and Kenneth Williams.

PRC chairman Stewart reported that the South Africa proxy issue that had been submitted earlier to Bristol-Myers has been withdrawn by its sponsors.

Student's Death Still a Mystery

The investigation into the death last week of freshman Eric Rodriguez continues without any clues to the cause.

Rodriguez collapsed shortly after 10:30 a.m. April 24 during a physics lecture in Rockefeller Hall.

Tompkins County Medical Examiner Manuel Posso said an autopsy failed to provide the cause of death and that the State Police lab near Binghamton would continue the investigation.

Rodriguez, 18, was from Lawrence, MA; he lived in Sperry Hall on campus. A memorial service will be held at 4:30 p.m. today in Anabel Taylor.

'FarmNet' Handles Anxious Phone Calls from State Farmers

More than 300 New York farmers and their families have dialed a special toll-free phone number set up by Cornell Cooperative Extension to help them cope with their financial, legal, and personal concerns.

Known as "NY FarmNet," the phone service was created in response to an economic climate that is taking its toll on New York's farmers.

Since the phone line went into service March 10, staff members at Cornell University have handled casual and crisis calls. In one case, FarmNet helped a farmer get seed and food and arranged to have electrical power restored to his farm.

NY FarmNet provides confidential information and referral services to farmers, their families, and their employees, according to Jane W. McGonigal, chairman of the NY FarmNet steering committee at Cornell.

McGonigal, a senior associate for Cornell Cooperative Extension in the college of Human Ecology, says that as of April 29, the phone service received 304 calls from 48 of New York's 57 counties.

Most of the callers have requested information in three areas: financial problems, legal concerns, and job options.

FarmNet's trained staff listen to the caller and explain where the caller can seek help, McGonigal explains. In some cases, FarmNet puts callers in touch with local Cooperative Extension agents; in other cases, it refers the caller to another agency, such as an

employment agency or a social services department.

Farmers having complicated financial problems are referred to Cornell Cooperative Extension agents who have business expertise or to trained, part-time counselors who are available to work with local farm families.

"We've had a call from a farmer who was about to lose his cows and machinery to foreclosure. Another person called wondering how he could put his farm skills to work off the farm if he decided to sell out," says Karen Wagner, NY FarmNet manager.

In one crisis call, a farmer had exhausted all of his options. He planned to get out of farming through the government whole-herd dairy buyout program, but his bid had been rejected. He had no money to plant his spring crops, no money for feed, and his electricity had been shut off.

"We managed to get him some seed. A church donated money for food and the local Cooperative Extension agent managed to get the electricity turned back on," Wagner says. "For a lot of people, we are the absolute last resort. We're glad to help them, but we wish they'd call us sooner."

NY FarmNet operates from noon to 9 p.m., Monday through Saturday. The FarmNet number is (800) 547-FARM.

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Cornell's Diamond Anvil Puts Big Squeeze on Tiny Materials

The spike heel of a 90-pound woman's shoe exerts more pressure — per square inch — than the sneaker of a 300-pound wrestler.

Cornell scientists are using that principle, together with a special diamond "anvil," to squeeze semiconductor and insulating materials into crystalline forms never seen before.

In search of new arrangements of crystals, a team led by Yogesh K. Vohra and Arthur L. Ruoff has compressed the semiconductor material germanium to less than half its original volume with an atom-crushing pressure of 1.25 megabars (or 1.25 million atmospheres). That is the highest pressure at which crystalline structure change in any material has been directly observed by X-ray diffraction.

While there is not much market for crushed germanium, the Cornell researchers say their experiments are useful in predicting high-pressure behavior for all kinds of materials.

The record-breaking pressure and the crystal structure determination of germanium will be reported in the May issue of the journal *Physical Review Letters*. In the March 7 issue of the journal *Science*, the Cornell researchers reported crystal phase changes when cesium iodide and rubidium iodide were subjected to pressures of 950,000 atmospheres and 890,000 atmospheres respectively.

Such pressures exist naturally only deep within the Earth and other planets. For comparison, the pressure in a municipal water system is three to five atmospheres and in the deepest parts of the oceans is about 1,000 atmospheres. Pressure at the center of the earth is estimated at 3.5 million atmospheres.

Extremely high pressures such as those achieved at Cornell are possible by concentrating the force in a small area, between the flat faces of two diamonds. The device known as a diamond anvil operates like a miniature workbench vice and resembles a piston and cylinder of an automobile engine. Pressure is exerted as the two opposing sides are screwed together.

The tips of gem-quality 1/3-carat diamonds are ground to flat surfaces 300 microns across. (A micron equals one millionth of a meter, or about 1/70 the diameter of a human hair.) Between the faces of the di-



Half a diamond anvil (with a coin to show size), capable of simulating pressures deep within the Earth.

amonds the researchers insert a thin strip of spring steel, drilled to form a gasket with a hole 25 to 50 microns across. Minute amounts of samples to be squeezed are placed in the gasket.

As the diamond anvil is tightened, an intense, focused X-ray beam shines through the diamond (which is relatively transparent to high-energy X-rays) and into the crystalline sample. The X-rays are diffracted (or scattered) by the electrons in the materials, producing distinctive patterns that reveal crystal structure. Materials scientists use X-rays because, unlike visible light or other forms of radiation, their wavelengths are approximately equal to the distance between atoms.

The X-rays come from CESR (the Cornell Electron Storage Ring), where electrons and positrons from a synchrotron are accelerated nearly to the speed of light around a half-mile long, underground beam pipe. Synchrotron radiation in the form of X-rays is a "waste product" from elementary particle physics experiments at CESR. The extremely bright X-rays are diverted from the storage ring, then beamed into the laboratories of CHESS (the Cornell High Energy Synchrotron Source), and through materials placed in their path.

A technique called energy-dispersive X-ray diffraction lets the materials scientists follow both the changes in internal structure — known as crystallographic phase transition — and the volume of substances as they are

squeezed tighter and tighter.

Compressing cesium iodide with 950,000 atmospheres of force reduced its volume to 46 percent; as pressure increased, the cesium iodide atoms were moved from a cubic arrangement, to a tetragonal arrangement (resembling a shoe box with square ends) to an orthorhombic phase (like a standard shoe box). The Cornell materials scientists found that germanium changed from tetragonal crystals to hexagonal (resembling a six-sided soda can) to a form called double hexagonal close-packed structure as pressure approached 1.25 megabars and the volume decreased to 45 percent.

The "shrinking" of seemingly solid crystalline materials is possible because the outer shells of electrons in the atoms are crowded closer to the nucleus under tremendous pressure. Some materials, such as cesium iodide, recover their original crystalline structure and volume when released from the diamond anvil. Others, including silicon, never fully recover, or take different forms.

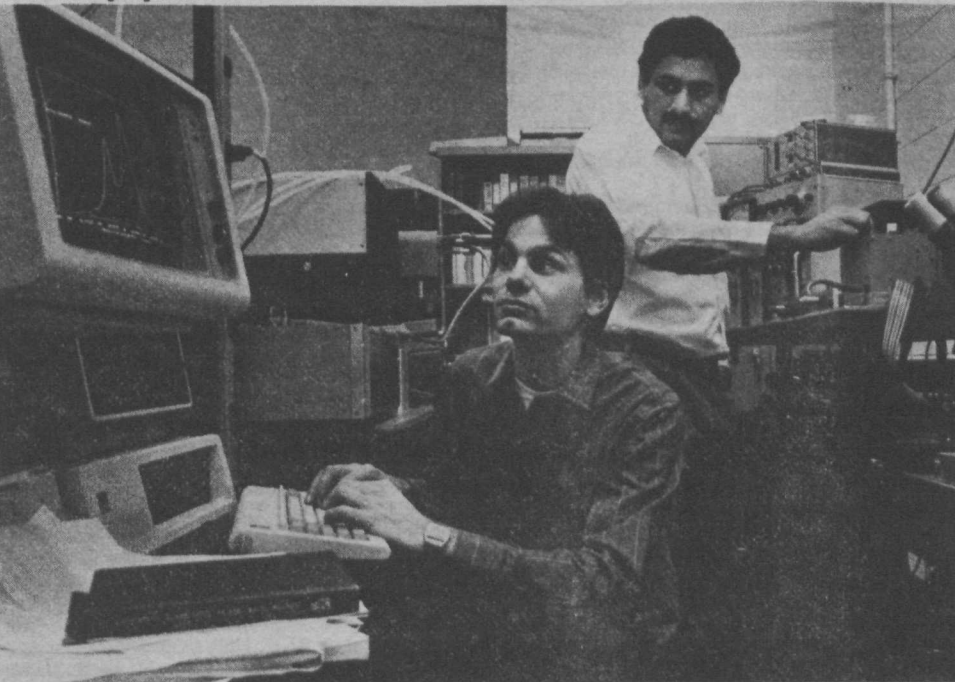
Under pressure, some materials take on different properties.

Germanium, for instance, is a semiconductor at room pressure; at 110,000 atmospheres, germanium transforms into a metal that also is a superconductor at extremely low temperatures.

Before the Cornell high-pressure experiments with germanium in early 1986, crystallographic phase changes had never been documented at megabar pressures — those greater than a million atmospheres. The only indication materials scientists had of megabar phase changes were subtle shifts in color. The double hexagonal close-packed structure had been seen in rare earth elements only.

The diamond anvil technique shows little immediate likelihood of becoming an important industrial process, according to Ruoff. "It may be possible — one day — that giant diamond anvils will exist for industrial production of specialty materials," he says.

In the meantime, tests at Cornell and about a half dozen other ultrahigh-pressure laboratories around the world are helping materials scientists learn to predict the behavior — under stress — of all kinds of substances.



A laser beam excites ruby fluorescence as graduate student Keith Brister, left, and research associate Yogesh Vohra measure pressure inside the diamond anvil.

Former Japanese Prime Minister Will Discuss Global Economy

Saburo Okita, former Japanese foreign minister and one of Japan's leading experts on Asian economic development and international relations, will discuss the global economy during two lectures at the university May 6 and 7 as the first Mitsui Fellow-in-Residence.

Okita, who served as foreign minister in 1979 and 1980 and is now president of International University of Japan and a government adviser, has been a key player in structuring Japan's economic growth and its economic assistance to the other nations of Southeast Asia.

"Mr. Okita is a strong believer in an open global economy, and he has worked hard to reduce the trade tensions between the United States and Japan," said T.J. Pempel, professor of government at Cornell. Pempel, former director of Cornell's China-Japan Program, is an expert on Japan's politics.

"Washington tends to focus on how many

Japanese cars are sold in Poughkeepsie versus how many bottles of American scotch are sold in Osaka," Pempel added. "We need to begin diffusing the tensions that grow out of such a bi-lateral focus by developing a greater understanding of Japan's overall economic situation. Okita is an excellent source of such a perspective."

Okita's visit to Cornell is the first event supported by a \$42,500 grant to Cornell University's China-Japan Program from Mitsui & Co. (U.S.A.) Inc., a United States subsidiary of Mitsui & Co. Ltd. of Japan. The subsidiary is involved in import-export, wholesale, trade, and the organization of business ventures and is among the top five exporters of American goods.

"Building awareness of the Japanese culture is essential to Americans who conduct business in Japan," said Mitsui USA president Mamoru Tabuchi.

"With the Mitsui grant, Cornell faculty and students will have first-hand exposure to people central to Japanese government, business, and scholarship, as well as those prominent in United States-Japan relations within this country," Pempel said.

The five-year grant will enable a Mitsui fellow-in-residence to visit Cornell each year and will support the Mitsui Forum, a round-table discussion of current issues relating to the fellow's lectures.

Okita will lecture on "Economic Partnership: Japan and the United States in Transition" at 4:30 p.m., May 6, in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

He will also discuss "Power and Partnership: Japan and the Pacific Rim in the Global Economy" as the keynote speaker for the Mitsui Forum May 7, beginning at 4:30 p.m. in Bache Auditorium of Malott Hall.

Other participants in the May 7 forum will include Kishore Mahbubani, Singapore's ambassador to the United Nations; Victor Nee, associate professor of sociology at Cornell; and Richard Rosecrance, the Walter S. Carpenter Jr. Professor of International and Comparative Politics at Cornell.

Cornell's China-Japan Program brings together 25 faculty members from the humanities and social sciences to provide graduate training in Chinese and Japanese culture and society.



NASA's rocket clouds in May will resemble this barium release over the Gulf of Mexico in 1971. (Photo by W. Boquist)

Cloud Experiment Will Test 'Critical Velocity Effect'

By ROGER SEGELKEN

It is a rare scientific experiment that lets both the public and the researchers see results at exactly the same moment. That could happen one morning in May, just before dawn, when space scientists release glowing clouds from rockets shot into space.

Early risers on the East Coast — from Montreal to Jacksonville and as far inland as Ohio — may see a pink, spherical cloud about twice the apparent size of the moon, shortly after 3:55 a.m. EDT May 7. Observers (professional and amateur) can draw their own conclusions:

— If a pink pillar of glowing gas appears from the top of the sphere, it will be considered the long-sought proof of an idea called the Critical Velocity Effect Theory. The theory of Nobel Laureate Hannes Alfvén deals with particles moving across magnetic fields in space. First proposed in 1954 to account for the differing composition of planets in the solar system, the Alfvén theory instead may apply to space phenomena observed since then.

— No pink pillar could mean the theory is wrong.

— Or it could mean the experiment didn't

work — again. "We came within a gnat's eyelash of seeing the Alfvén effect in a similar experiment over Peru in 1983," according to Michael C. Kelley, professor of electrical engineering at Cornell and a specialist in space plasma studies. However, the Alfvén effect may have been produced inadvertently in a 1977 rocket experiment over Sweden.

— If viewers on the ground see no glowing spheres, pillars, or anything else, it could be the fault of local weather conditions. Also, the rocket launch could have been postponed for a variety of reasons and with little advance notice. A launch "window" occurs on any morning between May 7 and 20. (The lift-off must be made at an exact instant. Launch time each day changes by 90 seconds, so that by May 20 the first release will be at 3:34 a.m. EDT.)

The experiment will send two rockets from Wallops Island, the NASA Goddard Space Flight Launch Center off the coast of Virginia, some 260 miles into space. In the thermosphere (an area of near-space where the sun heats the thin atmosphere as high as 1,500 degrees Celsius) the rockets will release instrument packages and explosive canisters. One canister will contain strontium, a

chemical used in fireworks, while two others will be filled with barium, a powdered metal. Explosive charges in the canisters will blast the strontium and barium, in narrow beams at 20,000 miles per hour, toward the instruments.

Hannes Alfvén, the Swedish scientist who received the Nobel Prize in physics in 1970 for his studies of space plasma, hypothesized that neutral particles become ionized (or electrically charged) when accelerated across a magnetic field at a particular velocity. That critical velocity for barium is estimated at 2.7 kilometers per second; the released chemicals will be accelerated almost instantly to seven or eight kilometers per second in the NASA mission. Alfvén was a distinguished visiting professor at Cornell in 1969.

The experiments are to begin while Earth's surface and the thermosphere are still in total, pre-dawn darkness. As Earth rotates, the terminator (or shadow line) between darkness and the first light of day will move across the thermosphere above North America.

Cornell's Kelley, one of the leaders in the critical velocity effect experiment, explains

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Calendar

All items for publication in the Calendar section, except for seminar notices, should be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 531 Willard Straight Hall, who prepares the Calendar notices for these listings. She must receive the notices 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, dance, music, etc.).

Seminars only should arrive at the Chronicle office, 110 Day Hall, no later than noon Friday prior to publication.

All deadlines will be strictly enforced.

*Admission charged.

Announcements

Faculty Tennis Club

The Cornell Faculty Tennis Club will soon begin its 1986 season. Membership on an annual fee basis is open to faculty and staff and members of their immediate families. The Club maintains eight courts for members only from May to September. Information and applications for membership are available from the Club secretary, Michelle Bogard, 120 Baker Laboratory.

Making Peace With Your Parents

A one-day workshop with Let Davidson on completing unfinished business and experiencing acceptance, appreciation and love for your parents. Meets Saturday, May 10, 9:30-6:30. Call 272-4131 for information and registration.

Open Meeting for Asian-American Studies Program

There will be an open meeting on Thursday, May 1 at 7 p.m. in Ives 214 for student input about the possibility of an academic program in Asian-American studies. Possible topics of discussion include curriculum and program structure. For more information, call Professor Lee or Ann Pitkin at 255-0839.

Lesbian and Gay Vigil

A lesbian and gay vigil will be held on the steps of Willard Straight Hall on Thursday, May 1 at 8:30 p.m. as part of the Lesbian, Gay, and Bisexual Awareness Month activities. For more information, call 255-6482.

Asian-American Studies

The Asian-American Studies Project will hold an open meeting this evening to gather input from students about the possibility of an academic program in Asian-American Studies. Possible topics of discussion for tonight's meeting include curriculum and program structure. The meeting will be at 7 p.m. in Ives 214. More information is available from the director of the Asian-American Studies Project, Professor Lee Lee of the Department of Human Development and Family Studies.

Student Families Social

Due to the enormous success of the Student Families Pot-Luck Supper - and thanks to popular demand - the Grad Program Office has planned another student family event. All married students and student families are invited to a Student Family Ice Cream Social on Thursday, May 1, 7 to 9 p.m. in the Multi-purpose Room of Robert Purcell Union. Admission is free, children are very welcome.

Dance

'Dance Concert' Will Close Season

Theatre Cornell will wind up its 1985-86 season with "Dance Concert '86," a variety of choreographic styles, all danced by students and faculty. Dancing will be to the live music of David Borden, The New Mother Mallard Band, and members of the Ithaca Art Ensemble, with Gerald Wolfe, conductor.

"Dance Concert '86" will be performed May 8, 9, and 10 at 8 p.m. and May 11 at 2:30 p.m. in the Willard Straight Theatre. Tickets are available at the Theatre Cornell Box Office in 101 Willard Straight Hall from 1-6 p.m., Monday through Friday, noon to 3 p.m. on Saturdays, and one hour before all performances. Special group rates are available. For reservations and information call 255-5165.

Exhibits

Herbert F. Johnson Museum

"Masters of Contemporary Art in Poland," through May 18; "Pen, Brush, and Folio: The Art of the Medieval Book," through June 1; "Fukusa: Japanese Gift Covers from the Shojiro Nomura Collection," through June 15; "Michael Baum," through June 15; "Wingtrace—The Sign of Its Track," May 10 through June 22. The Museum is located on the corner of University and Central Avenues. The Museum is open Thursday through Sunday, 10 a.m.-5 p.m. Admission is free. Please call 255-6464 for further information.

Films

Unless otherwise noted, films are sponsored by Cornell Cinema.

Thursday

May 1, 4 p.m. 301 Uris Library. "The Jewel in the Crown, Part 13: Pandora's Box." South Asia Video Series. Sponsored by the South Asia Program.

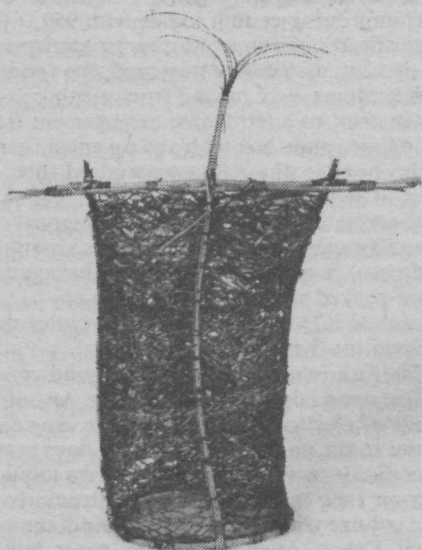
May 1, 7:30 p.m. G-1 Stimson. A Nova film "Inside the Shark." Sponsored by Jordani. Funded in part by the Student Finance Commission.

Friday

May 2, 8 p.m. *Anabel Taylor Auditorium. "Dim Sum," (1985), directed by Wayne Wang with Lauren Chew, Kim Chew, and Victor Wong.

Co-sponsored with the China-Japan Program.

May 2, 9:30 p.m. *Uris Hall Auditorium. "Back to the Future," (1985), directed by Robert



'Basket-Figure,' a sculpture by Joanne Segal Brandford, night supervisor at the Engineering Library, is one of the works on exhibit through May 31 at 15 Steps Gallery, 407 W. Seneca St. The exhibit is a duo show with Brandford's textile sculptures and works in porcelain by Ithaca ceramist Carolyn Chester.

Zemeckis, with Michael J. Fox and Christopher Lloyd.

May 2, Midnight. *Uris Hall Auditorium. "Back to the Future."

Saturday

May 3, 8 p.m. *Uris Hall Auditorium. "Back to the Future."

May 3, 8 p.m. *Anabel Taylor Auditorium. "Le Crabe Tambour," (1984), directed by Pierre Schoendoerfer, with Jacques Perrin and Jean Rochefort.

May 3, 8 p.m. Goldwin Smith Hollis Cornell Auditorium. "More Than Conquerors," a documentary film of Baptist Christians presently being persecuted in the U.S.S.R. Sponsored by the Cornell Biblical Christians.

May 3, 10:30 p.m. *Uris Hall Auditorium. "Back to the Future."

Sunday

May 4, 2 p.m. Johnson Museum. "Camera Buff," (1980), directed by Krzysztof Kieslowski with Jerzy Stuh.

May 4, 8 p.m. *Uris Hall Auditorium. "Bringing Up Baby," (1938), directed by Howard Hawks with Katherine Hepburn and Cary Grant.

Monday

May 5, 4 p.m. 301 Uris Library. "Khajuraho, Konarak and Jain Temples of India." South Asia Film Series. Sponsored by the South Asia Program.

May 5, 8 p.m. *Uris Hall Auditorium. "Shane," (1953), directed by George Stevens with Alan Ladd and Jean Arthur.

Tuesday

May 6, 8 p.m. *Uris Hall Auditorium. "Jules and Jim," (1961), directed by Francois Truffaut with Jeanne Moreau, Oskar Werner and Henri Serre.

May 6, 8 p.m. *Anabel Taylor Auditorium. "The Revolt of Job," (1984), directed by Imgre Gyongyossy and Barna Kabay with Ferenc Zenthe and Hedi Temessy. Co-sponsored with Hillel and Near Eastern Studies. Wednesday

Wednesday

May 7, 8 p.m. *Uris Hall Auditorium. "Take the Money and Run," (1969), directed by Woody Allen with Woody Allen and Janet Margolin.

Thursday

May 8, 4 p.m. 301 Uris Library. "The Jewel in the Crown, Part 14: A Division of the Spoils." South Asia Film Series. Sponsored by the South Asia Program.

May 8, 8 p.m. *Uris Hall Auditorium. "28 Up," (1985), directed by Michael Apted. Documentary. Ithaca premiere.

Friday

May 9, 8 p.m. *Anabel Taylor Auditorium. "Volunteers," (1985), directed by Nicholas Maeyer with Tom Hanks and John Candy.

May 9, 10 p.m. *Uris Hall Auditorium. "The Kiss of the Spider Woman," (1985), directed by Hector Babenco with William Hurt and Raul Julia.

Saturday

May 10, 7:30 p.m. *Uris Hall Auditorium. "The Kiss of the Spider Woman."

May 10, 8 p.m. *Anabel Taylor Auditorium. "The Year of Living Dangerously," (1982), directed by Peter Weir with Sigourney Weaver, Mel Gibson and Linda Hunt.

May 10, 10 p.m. *Uris Hall Auditorium. "28 Up."

Sunday

May 11, 2 p.m. Johnson Museum. "Provincial Actors," (1980), directed by Agnieszka Holland with Halina Labonarska and Tazewsz Huk.

May 11, 8 p.m. *Uris Hall Auditorium. "Adam's Rib," (1949), directed by George Cukor with Katherine Hepburn and Spencer Tracy.

Lectures

Thursday

May 1, 12 noon, 365 McGraw. "Women, Religion and Work in 16th Century Strasbourg," Lorna Jane Abray, University of Toronto.

May 1, 12:15 p.m. A.D. White House 201. "Sexuality in Mahatma Gandhi's Thought," Sudhir Kakar, Center for the Study of Developing Societies, New Delhi. Sponsored by the South Asia Program.

May 1, 12:20 p.m. 102 West Ave. Ext. "Tribe, State, and Violence," Dr. Thomas Gibson, Department of Anthropology, University of Rochester. Sponsored by the Southeast Asia Program.

May 1, 1 p.m. Loft II, Willard Straight Hall. Lesbian, Gay, and Bisexual Awareness Month, "AIDS, Gays, and the Media," a discussion with filmmaker Arthur Bressan, Jr. For more information call 255-6482.

May 1, 4:30 p.m. 165 McGraw Hall. "Structures of the State" (series on Problems in the History of the Old Regime France), Professor E. Le Roy Ladurie, College de France, Paris, and A.D. White Professor-at-Large. Sponsored by the Western Societies Program.

May 1, 4:30 p.m. Temple of Zeus, Goldwin Smith Hall. Poetry reading by Cecil Giscombe, editor of Epoch magazine. Sponsored by the Graduate Literature Club.

Friday

May 2, 12:15 p.m. 360 Uris Hall. Brown Bag Lunch. "Quest for Autonomy: The Heroines of Jane Austen's and Charlotte Bronte's Juvenilia," Frances Beer, English, York University, Toronto. Sponsored by the Western Societies Program.

May 2, 12:15 p.m. Africana Studies and Research Center, Hoyt Fuller Room. Brown Bag Lunch. "(Re)Birth Control: Pope John Paul in Africa," Henry Louis Gates, Jr., English, Comparative Literature, Africana Studies. Sponsored by the Africana Studies and Research Center.

Sunday

May 4, 8 p.m. Anabel Taylor Founders Room. "The Abandonment of the Jews," David Wyman, University of Massachusetts. Sponsored by B'nai B'rith Hillel Foundation.

Monday

May 5, 4:30 p.m. 156 Goldwin Smith Hall. "Ptolemaios and the Lighthouse: Greek Culture in the Memphite Serapeum," Dorothy Thompson, Professor, Girton College, Cambridge, England. Sponsored by the Department of Classics.

May 5, 4:45 p.m. Memorial Room, Willard Straight Hall. "Where Does Peace Begin," Ed Leever, member of the Christian Science Board of Lectureship. Sponsored by the Christian Science Organization at Cornell.

Tuesday

May 6, 4:30 p.m. Goldwin Smith Kaufmann Auditorium. "The Multi-Ethnic Revival in American Literature," Ishmael Reed, University of California, Berkeley. Sponsored by the Society for the Humanities.

May 6, 4:30 p.m. 37 Plant Science. "Gardening to Encourage Butterflies," Robert Dirig, L.H. Bailey Hortorium Herbarium. Sponsored by Hortus Forum, Department of Floriculture and Ornamental Horticulture.

May 6, 8 p.m. One World Room, Anabel Taylor Hall. Ishmael Reed, author of "Mumbo Jumbo" and "The Last Days of Louisiana Red," will read from his new novel "Reckless Eyeballing." Sponsored by the Society for the Humanities, CCPA, and Africana Studies.

Wednesday

May 7, 4:30 p.m. 205 Thurston Hall. "Response of a Pendulum Whose Support is in Steady State Circular Motion. Application to Shredders and Ferris Wheels," Frank DiMaggio, Professor of Civil Engineering and Engineering Mechanics, Columbia University, New York City. Sponsored by the Department of Theoretical and Applied Mechanics.

May 7, 8 p.m. Statler Auditorium. "Voices from Abroad: Global Perspectives on the Nuclear Arms Race," Ambassadors from India, Mexico, and New Zealand will present their countries' views. Sponsored by the November 11th Committee.

Thursday

May 8, 12:20 p.m. 102 West Ave. Ext. "Ritual Change Among the Ngaju (Kalimantan)," Anne Schiller, SEAP Graduate Student, Department of Anthropology. Sponsored by the Southeast Asia Program.

Music

Gamelan Ensemble to Perform

Weather Permitting the Gamelan Ensemble, under the direction of Martin Hatch, will perform music composed for these Javanese instruments



Gamelan Ensemble players include Eric Miller (left rear) and Tom Berkelman.

on the Arts Quadrangle, Thursday, May 8, and Friday, May 9, at 3:30 p.m. There are no postponement dates in case of rain.

Early in his graduate career at Cornell, Hatch began to direct a gamelan ensemble as a non-cur-

May				1986		
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ricular offering sponsored by the Music Department. From 1972-1978, the Cornell Gamelan Ensemble, as it came to be known, played on a medium-size set of gamelan instruments loaned to the University by Harris Parker, Cornell graduate and long-time foreign service officer in Indonesia.

In 1978, the university received a complete set of 49 instruments on long-term loan from the Metropolitan Museum of Art (gift of Carroll Beverly and Garry Bratman, 1977). In 1980, the Cornell Gamelan Ensemble became a curricular offering in the Music Department.

Pianist to Give Recital Tonight

Mee Jin Woo, pianist, will give a free, public recital in Barnes Hall at 8:15 p.m. today, sponsored by the Department of Music.

Woo will perform Joseph Haydn's Sonata No. 49 in E-flat Major and Frederic Chopin's Nocturne, Op. 72, no. 1 in E minor and his Ballad, Op. 47 in the first half of the concert. After the intermission she will be joined by Helene Finegold, flutist for Paul Hindemith's Sonata, composed in 1936. The last piece of this program is Maurice Ravel's Sonatine.

Several Students in Recitals

Cornell students of piano in the Department of Music at Cornell will give free recitals Saturday, May 3, and Tuesday, May 6. Both start at 8:15 p.m. in Barnes Hall.

At the May 3 concert, Stephen Leroy will play Franz Schubert's "Impromptu in F minor," and Alan Murray the same composer's "Wanderer Fantasy." Beethoven will be presented by Bret Empie and Amy Huang, "Sonata in A-flat Major" and the "Sonata in F Minor" ("Appassionata"). Madeline Palisca concludes the first part of the program with Johannes Brahms' "Scherzo in E-flat minor. Bela Bartok's "Three Dances in Bulgarian Rhythm" will be played by Kim Taylor and Sergei Prokofiev's "Vision fugitives" by Mark Schmuckler.

All students have been working on their individual pieces under the direction of visiting Professor of Music Noel Lee.

In the May 6 concert, Chris Kokkinos will perform Beethoven's "Sonata in E Major", while Susan Paolini will render Frederic Chopin's "Scherzo in E Major." Alan Murray will conclude the program with Robert Schumann's "Fantasy, Op.17."

All students will use the Jeffrey Kovner Memorial Piano, which is a gift from Doris and Walter Kovner in memory of their son. The concert is sponsored by the Department of Music.

Band, Wind Ensemble in Concert

The Cornell University Symphonic Band and the C.U. Wind Ensemble under the direction of Marice Stith will give a joint concert at 4 p.m. Sunday, May 4, in Bailey Hall, Cornell University. The concert is free and open to the public.

The Symphonic Band under the baton of Marice Stith, conductor of both bands since his appointment to the Faculty of Music, will perform the "Light Out March" of E.E. McCoy, the "Finale" from Paul Fauchet's Symphony in B-flat, the first symphony every composed for concert band (1926), and other works.

The second half of the concert will be presented by the wind ensemble, with Mark Mandarano student conductor and William Bradbury, Assistant conductor of both bands sharing conducting responsibilities with Stith. The program features four works by Clifton Williams, the late Texas composer, whose music the ensemble has been asked to record, and the "Concert No. 2 for French Horn and Orchestra" by Mozart (adapted by Sansone). The soloist will be Joseph Buonanno. The ceremonial march "Poetry and Power" by Alfred Reed concludes the program.

Buonanno, graduate from the Eastman School of Music as a horn major, is currently working towards a Ph.D. degree in business and computer science at Cornell.

Mandarano, a music major at Cornell, is currently studying conducting under Prof. Karel Husa. He is also drum major for the Big Red Marching Band.

Chorale to Perform Sunday

The Cornell Chorale, under the direction of Thomas A. Sokol, will give a concert in Sage Chapel at 8:15 p.m. Sunday, May 4. The performance is open to the public and free of charge. The Council of the Creative and Performing Arts and the Music Department sponsor this evening's music.

The concert opens with a world premiere of "A Great Light" by Daniel May, who, as a music major, studies with Karel Husa, professor of music of composition and conducting. This piece, conducted by the composer, features Marion Hanson, soprano; Boaz Tarsy, baritone; a 20-member orchestra, and chorus. "A Great Light" has text from the book of Isaiah and follows a logical sequence from the message of doom and destruction to the prophecy of hope and peace.

The second part of the program consists of Rossini's "Petite Messe Solennelle" (1863), and will be conducted by Sokol.

Chamber Music Recital

A group of music students will give a free chamber music recital at 4 p.m. Wednesday, May 7, in Barnes Hall.

This concert of 19th and 20th century music features composers Darius Milhaud (Sonata No. 1), Frederic Chopin (Ballade in G Minor), Bernhard Heiden (Sonata for Horn and Piano), and Edvard Grieg (Sonata No. 2 in G Major).

Fortepiano Recital Scheduled

Trevor Stephenson will present a free fortepiano recital at 8:15 p.m. Thursday, May 8, in Barnes Hall, Cornell University.

The music consists of an all Mozart program: Variations in G on a theme by Gluck: "Unser drummer Poebel meint, K. 455," "Sonata in A minor, K. 310," and "Trio in E Major, K. 542." In the last piece, Stephenson will be assisted by Robert Seletsky, violin, and Sara Edgerton, cello. Both are students.

Stephenson is a teaching assistant in piano at Cornell. A graduate of the University of Missouri and Illinois, he is studying for his doctorate with Malcolm Bilson.

Every Sunday

Anabel Taylor Edwards Room, 9 p.m. Sing with the Makhela Hebrew Choir.

Thursday

May 1, 4 p.m. Grout Room, Lincoln Hall. Marina Roseman: Singers of the Landscape: Fieldwork among the Temiar in Malaysian rainforests. Sponsored by the Department of Music.

May 1, 8:15 p.m. Barnes Hall. Student Recital: Mee Jin Woo, piano. Sponsored by the Department of Music.

Saturday

May 3, 8:15 p.m. Barnes Hall. Piano recital (students). Sponsored by the Department of Music.

Sunday

May 4, 4 p.m. Bailey Hall. Combined bands: Marice Stith, director. Works by McCoy, Smith, Losey, Rossini, Fauchet, Williams, Mozart, Reed, and others. Sponsored by the Department of Music.

May 4, 4 p.m. Johnson Museum. A concert of twentieth-century Polish music will be performed by Mark Simon, clarinet; Bill Cowdery, piano; Ron Bukoff, bassoon; Wendy Maraniss, piano; and Mike Salmirs, piano. The concert complements the "Masters of Contemporary Art in Poland" exhibit. For more information, call 255-6464.

May 4, 8-11 p.m. Anabel Taylor Commons Coffeehouse. Bound for Glory with Rosalie Sorrels. Broadcast live on WVBR-FM93.

May 4, 8:15 p.m. Sage Chapel. Cornell Chorale: Thomas Sokol, director. Premiere of "A Great Light" by Daniel May; "Messe Solennelle" by Rossini. Sponsored by the Department of Music and the Cornell Council of the Creative and Performing Arts.

Tuesday

May 6, 8:15 p.m. Barnes Hall. Student Recital: Susan Paolini, piano. Works by Beethoven, Bartok, Chopin. Sponsored by the Department of Music.

Wednesday

May 7, 8:15 p.m. Barnes Hall. Student Chamber Music: Dushay-French horn, S. Huang-violin, Barsamian-violoncello, A. Huang and Wachman-piano. Works by Heiden, Chopin, Milhaud and Grieg. Sponsored by the Department of Music.

Thursday

May 8, 3:30 p.m. Arts Quad. Gamelan (under the sun): Martin Hatch, director. Sponsored by the Department of Music.

May 8, 8 p.m. *Anabel Taylor Auditorium. Klezmer Conservatory Band concert. Buy your tickets early! Tickets are \$7.50 in advance and \$8.00 at the door. For more information call 255-4227. Sponsored by B'nai B'rith Hillel Foundation.

May 8, 8:15 p.m. Barnes Hall. Trevor Stephenson, fortepiano. An all Mozart program. Sponsored by the Department of Music.

Friday

May 9, 3:30 p.m. Arts Quad. Gamelan (under the sun): Martin Hatch, director. Sponsored by the Department of Music.

Saturday

May 10, 8:15 p.m. Barnes Hall. DMA Recital: Sandra Mangsen, harpsichord. Works by Morel, Louis and Francois Couperin, Marais, Leclair, Marais, Rameau. Sponsored by the Department of Music.

Sunday

May 11, 8-11 p.m. Anabel Taylor Commons Coffeehouse. Bound for Glory with Carla Sciaky. Broadcast live on WVBR-FM93.

Religious Events

Saturday

May 3, 8 p.m. Goldwin Smith Hollis Cornell Auditorium. "More Than Conquerors," a documentary film of Baptist Christians presently being persecuted in the U.S.S.R. Sponsored by the Cornell Biblical Christians.

Tuesday

May 6, 7:15 p.m. Anabel Taylor Founders Room. Yom Hashoah Memorial Service.

Friday

May 9, 7:30 a.m. Anabel Taylor Founders Room. Women's Rosh Chodesh Minyan.

Religious Services

Catholic

Every Saturday, 5:00 p.m. Anabel Taylor Auditorium. Mass.

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

Mon.-Fri., 12:15 p.m. Anabel Taylor Chapel. Daily Mass.

Christian Science

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

Episcopal (Anglican).

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

Great Commission Students

Every Sunday, 10:30 a.m. Multi-Purpose Room, Robert Purcell Union. Worship Service.

Worship Service.

Every Wednesday, 7:30-8:30 p.m. G-03 Founders Hall. Discussion group/fellowship.

Jewish

Daily Minyan. Mon.-Fri., 7:30 a.m.; Sun., 8:30 a.m. Young Israel House, 106 West Ave.

Every Friday, 5:30 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian).

Every Friday, 5:30 p.m. Anabel Taylor Chapel. Shabbat Services (Reform).

Every Friday, 5:30 p.m. Young Israel House,

106 West Ave. Shabbat Services (Orthodox).

Every Saturday, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox). Kiddush to follow.

Every Saturday, 10 a.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian). Kiddush to follow.

Korean Church

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

Muslim

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

Protestant

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

Thursday

May 1, 9:15 a.m. Anabel Taylor Edwards Room. Passover Services.

Sunday

May 4, 11 a.m. Sage Chapel. Speaker: David Wyman, Amherst College, author of "The Abandonment of Jews."

Sunday

May 11, 11 a.m. Sage Chapel. Speaker: Robert L. Johnson, Director, Cornell United Religious Work.

Seminars

Seminar notices, unlike other calendar notices, do NOT go to Central Reservations in Willard Straight, but should be delivered to the Chronicle office, 110 Day Hall, in writing by noon Friday before publication. Each notice can be run only once, so on Thursday events please note whether you wish it published the day of the event or the week before. Please include the name and telephone number of someone who can be reached if there are questions.

Animal Science: "Economic Impacts of Biotechnology on Animal Agriculture," Michael J. Phillips, project director for the Office of Technology Assessment, Congress of the United States, 11:15 a.m. Friday, May 9, 348 Morrison Hall.

Applied Mathematics: "A Bifurcation Analysis of a Spin Glass Transition, Lincoln Chayes, LAASP, Cornell, 4 p.m. Friday, May 9, 165 Olin Hall.

Astronomy: "The Not-So-Uniform Expansion of the Universe," Allan Dressler, Carnegie Institute, California, 4:30 p.m. Thursday, May 8, 105 Space Sciences.

Biochemistry, Molecular and Cell Biology: "DNA Loops: Regulation of the ara Operons of E. coli," Robert Schleif, Biochemistry, Brandeis, 4:30 p.m. Friday, May 9, 204 Stocking.

Boyce Thompson Institute: "Dynamics of African Savannas: To Tree or Not to Tree," Joy Belsky, Cornell Plantations, 3:15 p.m. Wednesday, May 7, BTI Auditorium.

Chemistry: "Synchronicity and Concert in Enzyme Catalyzed Reactions," Jeremy R. Knowles, Harvard, 4:40 p.m. Monday, May 5, 119 Baker Lab.

Communication Arts: "Listening and Relationship," Martha Brewster, Pastoral Counseling Service, 7:30 p.m. Thursday, May 1, 401 Warren.

Computer Science: "Higher-order Intuitionistic Logic and Typed Lambda Calculus as Computer Science Tools," Gerard Huet, Carnegie Mellon University, 4:30 p.m. Thursday, May 1, Upson B-17.

Ethnic Studies: "Insecure Prosperity: East European Jews in American Small Towns: 1880-1940," Ewa Morawska, Penn, 3:30 p.m. Wednesday, May 7, 153 Uris Hall.

Floriculture and Ornamental Horticulture: "Sizing Tree Containers on the Basis of Accumulated Atmospheric Demand and Tree Leaf Area," Don Rakow, F&OH graduate student, 12:15 p.m. Thursday, May 8, 37 Plant Science.

Food Science: "Will the Dairy Industry Remain a Leader in Food Technology? An Engineer's Point of View," Mohammad H. Samimi, North Carolina State, 10 a.m. Monday, May 5, 124 Stocking.

Food Science: Title TBA, Betty Lewis, Nutritional Sciences, Cornell, 4:30 p.m. Tuesday, May 6, 204 Stocking.

Genetics: "Alternate Approaches to Creation of Herbicide Resistance in Plant Cells," Roy Chaleff, E I Dupont de Nemours Co., central research and development, 4 p.m. Monday, May 5, 135 Emerson.

History and Philosophy of Science and Technology: "What Was on the Six Unpublished Plates of Ellis & Solander's 'The Natural History of Many Curious & Uncommon Zoophytes,' London, 1786?" John W. Wells, professor emeritus, geological sciences, 4:35 p.m. Wednesday, May 7, 165 McGraw.

International Studies: "Women and Labor Control: Implications for African Development," Christine Obbo, Anthropology, Wheaton, 4 p.m. Thursday, May 1, 100 Savage Hall.

International Studies in Planning: "Credit for Micro-Entrepreneurs and the Self-Employed: Banks, Revolving Loan Funds and Money Lenders," Katherine McKee, Rural Poverty and Resources Program, Ford Foundation, 12:15 p.m. Friday, May 9, 157 East Sibley. Sponsored by the Cornell Initiative on African Development.

Jugatae: Title TBA, Mike Villani, entomology, Geneva, 4 p.m. Monday, May 5, Morison Seminar Room, Corson—Mudd Halls.

Mechanical and Aerospace Engineering: "Aerodynamic Methodology for Reducing Ground Vehicle Drag," Dean Hammond, GM Research Labs, 4:30 p.m. Tuesday, May 6, 282 Grumman.

Natural Resources: "The Significance of Ray Cell Abundance in Sugar Maple," Peter Garrett, U.S. Forest Service, Durham, N.H., 12:15 p.m. Tuesday, May 6, 304 Fernow.

Pharmacology: "Subcortical Mechanisms of

Space Cloud

Continued from Page 3

what may happen next:

"Because barium normally ionizes only in sunlight and because our neutral beam will cross the magnetic field in darkness, any ionization should be due only to the Alfvén effect. If the cloud ionizes, the ions will be trapped in the magnetic field."

"Once the ions are trapped, they can only move up and down magnetic field lines," Kelley says. "That means they will be ejected (from the cloud) as a beam, up and out along the magnetic field which, in Virginia, makes about a 70-degree angle with the Earth."

"Meanwhile the Earth is rotating and the sun is going to 'rise,' so to speak, on the barium material while the ground is still dark. We are using the geometry of the Earth to hide the process in the shadow, and then letting the sun rise on it."

At that point — just seconds after the chemicals are released — the glowing barium cloud and pillar may be visible from the still-dark Earth. In the Virginia area, the spectacle should be almost directly overhead. Viewers north of Virginia should look to the southeast; those to the south should look to the northeast.

The glowing cloud is expected to linger for several minutes, then disappear from view as the morning sky brightens. The second canister of barium and the one of strontium are included to increase the experiment's likelihood of success. If all goes well, there could be three clouds, each with a rising pillar. The strontium cloud and pillar will be a bluish color.

The critical velocity effect has been observed, as predicted by Alfvén, in the laboratory. Whether it will occur in space, without the confining walls of a laboratory, is the

Seizure Generation and Protection," Karen Gale, Pharmacology, Georgetown University School of Medicine, 4:30 p.m. Monday, May 5, D101L Schurman.

Physiology: "Physical Limits of Exercise," E. R. Nadel, John B. Pierce Foundation Laboratory, New Haven, Conn., 4:30 p.m. Tuesday, May 6, G-3 Veterinary Research Tower.

Plant Biology: "Ball Gall Development on Solidago Altissima," Carol Mapes, Cornell, 11:15 a.m. Friday, May 9, 404 Plant Science.

Plant Breeding: "The Inheritance and Nature of Resistance to Anthracnose Leaf Blight and Stalk Rot of Corn," Baffour Badu-Apraku, Plant Breeding grad assistant, 12:20 p.m. Tuesday, May 6, 135 Emerson.

Plant Breeding: "Genetics Systems in Petunia Hybrida," Tom Gerats, Genetic Institute, Amsterdam, 2 p.m. Wednesday, May 7, 135 Emerson.

Plant Pathology: "Benzimidazole Resistance in the Nematode Caenorhabditis Elegans," Martin Chalfie, Columbia, 4:30 p.m. Tuesday, May 6, 404 Plant Science.

Pomology: "CA Storage of Apples in Simulated Caves," Chun-Sheng Wang, Shanxi Pomology Institute, 11:15 a.m. Monday, May 5, 114 Plant Science.

Psychology: "Pavlov's Mice, Pfungst's Horse, and Pygmalion's PONS," Robert Rosenthal, Harvard, 3:30 p.m. Friday, May 9, 202 Uris Hall.

Remote Sensing: "NOAA's Plans for Remote Sensing of Earth Resources," George Ohring, Satellite Research Lab, NOAA—NESDIS, Washington, D.C., 4:30 p.m. Wednesday, May 7, 110 Hollister.

Rural Sociology: "Forest Lands, Policy and People in Java: Research Strategies and Practical Problems," Nancy Peluso, Ph.D. candidate, 12:15 p.m. Monday, May 5, 32 Warren.

Rural Sociology: "Sharecropping, Capital Accumulation, and Class Formation: A Conjunctural Analysis," Patricia Garrett, 3 p.m. Friday, May 9, 32 Warren.

Statistics: Title TBA, David Wolfson, McGill University, 3:45 p.m. Wednesday, May 7, 100 Caldwell.

Theoretical and Applied Mechanics: "Response of a Pendulum Whose Support Is in Steady State Circular Motion," Frank DiMaggio, professor of Civil Engineering and Engineering Mechanics, Columbia, 4:30 p.m. Wednesday, May 7, 205 Thurston.

Vegetable Crops: "Dry Bean Storage Losses of Small Farmers in Ecuador," Judy Hall, grad student, 4:30 p.m. Thursday, May 8, 404 Plant Science.

Theatre

Thurs. thru Sat.

May 1-3, 8 p.m. *Drummond Lab Theatre. "All's Well That Ends Well." A communal actors' project of William Shakespeare's play directed by Stephen Cole, a professor of acting in the Department of Theatre Arts, Cornell University. Tickets are available at the Theatre Cornell Box Office in 101 Willard Straight Hall from 1-6 p.m., Monday through Friday, 11 a.m.-3 p.m. on Saturdays, and one hour before all performances. For reservations and information call 255-5165.

Friday

May 2, 8:15 p.m. *Statler Auditorium. The Cornell Savoyards present a Gilbert and Sullivan double-bill of "Trial by Jury" and "The Sorcerer." Tickets are available at the Statler Box Office, Monday through Saturday, 12-5 p.m. For reservations and information, call 255-7263 or 255-1004.

Saturday

May 3, 2:30 p.m. *Drummond Lab Theatre.

reason for the rocket experiment.

Alfvén's theory, if confirmed, could explain several occurrences. Among them are the glow sometimes seen around orbiting spacecraft by astronauts, the formation of plasma near comets, the ionization of interstellar gases at the far edge of the solar system, or Saturn's ring-like torus of sulfur gases from the volcano on Io, one of its moons.

Originally, Alfvén sought to explain why the solar system's inner planets are formed of heavy, rocky materials, whereas the outer planets are mainly of light materials such as hydrogen and helium. He thought "selective ionization" accounted for some gases being trapped in the primordial magnetic field as they collapsed toward the solar nebula.

Other theories since have explained the formation of the planets, Kelley notes. "It is not clear at this point if Alfvén's original idea is true or not, but that doesn't mean the critical velocity process isn't as interesting as ever. We fully intend to look into it and see if it has applications in other areas as well."

Instruments launched with the chemicals, including those designed and built at Cornell, will transmit information back to Earth, then drop into the Atlantic Ocean, where they will be recovered. Image-intensifying cameras in Virginia, Maryland, and North Carolina and radar units in Boston and Cape Canaveral will follow the ionizing clouds.

All the average member of the public needs to see the experiment is a pair of binoculars. And, of course, the perseverance to keep getting up at 4:30 a.m.

If the latest critical velocity effect experiment works, anyone watching will be among the first to know.

"All's Well That Ends Well."

May 3, 8:15 p.m. *Statler Auditorium. "Trial by Jury" and "The Sorcerer."

Sunday

May 4, 2 p.m. *Statler Auditorium. "Trial by Jury" and "The Sorcerer."

May 4, 7 p.m. Anabel Taylor Auditorium. Africana Studies and Research Center Black Theatre Workshop presents "Happy Ending" and "Day of Absence." The plays, both by Black American playwright Douglas Turner Ward, are being entirely produced, directed and acted by students in the Center's Black Theatre and Dramatic Literature course. Supervising will be New York playwright and film producer William Branch, a visiting professor at the Center this academic year. Sponsored by the Africana Studies and Research Center.

Monday

May 5, 8 p.m. Anabel Taylor Auditorium. Africana Studies and Research Center Black Theatre Workshop presents "Happy Ending" and "Day of Absence."

Friday

May 9, 8:15 p.m. *Statler Auditorium. "Trial by Jury" and "The Sorcerer."

Saturday

May 10, 8:15 p.m. *Statler Auditorium. "Trial by Jury" and "The Sorcerer."

Sunday

May 11, 2 p.m. *Statler Auditorium. "Trial by Jury" and "The Sorcerer."

Graduate Bulletin

Orientation Advisers Needed

Continuing graduate student volunteers are needed to help with fall orientation. Have fun greeting and helping new and continuing grads. International students welcome. Please call 255-4222 or come to 103 Barnes Hall for more information and an application.

Barton Blotter

Four persons were arrested in unrelated incidents on campus during the period April 21 through 27, according to the morning reports of the Department of Public Safety:

— Michael J. Ralston of 114 Ferris Place was charged with criminal trespass in Myron Taylor Hall, April 21;

— Robert L. West of 18 Mill Street, Dryden, was arrested for burglary April 22 in connection with a theft at Riley Robb Hall;

— Jonathan S. Kushner of 854 Graham Street, Alpine, was charged with unlawful possession of marijuana, at Schoellkopf Field April 23;

— Francis E. Bacon of 319 Titus Avenue was arrested for attempted petit larceny in Olin Library on April 27.

Safety also reported a total of \$7,659 in the theft of cash and valuables. These included a \$2,200 computer taken overnight from Martha Van Rensselaer Hall April 22-23, and a \$3,200 balance also taken overnight from Martha Van on April 21-23.

In addition, a total of \$1,075 in clothing including a cashmere overcoat, were reported stolen from Malott Hall April 22. Among the other thefts reported were nine involving \$285 in cash taken from wallets, purses, and drawers at various buildings on campus.

Also reported stolen were a \$175 portable stereo, a \$200 portable stereo, two wall telephones worth a total of \$110, and a \$220 ten-speed bicycle.

83rd Cornell Concert Series To Offer Wide Musical Variety

The 83rd season of the university's concert series will offer a wide range of musical fare as international guest artists bring their repertoires to Bailey Hall and the Statler Auditorium in 1986-87. A return performance by guitarist Julian Bream will open the season on Monday, Oct. 27, in Bailey Hall; the Guarneri String Quartet will begin the Statler Series on Wednesday, Oct. 1.

Other Bailey Hall appearances will include the English Concert on Thursday, Nov. 13, with Trevor Pinnock harpsichordist conducting and performing. This ensemble is hailed as one of the best interpreters of 17th and 18th century music with many award-winning recordings.

Pianist Murray Perahia will perform on Sunday, March 8. Perahia has been steadily emerging as the most poetic piano virtuoso of his generation.

A leading star of the world's major opera houses, Dame Kiri Te Kanawa will perform in Bailey Hall on Friday, April 2. This is one of the few recitals the diva's busy schedule permits during the 1986-87 season.

The Saint Louis Symphony and its dynamic young American music director, Leonard Slatkin will finish the Bailey Season on Wednesday, April 28. This orchestra with a rapidly rising reputation for its excellence was rated by the press as the closest contend-

er for joining the select company of the "Big Five" American orchestras.

The Statler Series will bring its own unusual variety of stellar performers. In addition to the Guarneri String Quartet, Italy's leading violinist Salvatore Accardo will give his first Ithaca recital on Thursday, Feb. 19. "Salvatore Accardo has shown us that he belongs to the small number of great violinists of our time" wrote the reviewer of *Le Figaro* in Paris.

Accardo's music-making can be sampled on one of his many recordings for Philips, Deutsche Grammophon and EMI/Angel. His discs include solo works as well as the concerto repertoire with the London Philharmonic, the BBC Symphony and the Leipzig Gewandhaus Orchestras.

On Wednesday, March 18, the Michala Petri Trio from Denmark will feature the virtuoso recorder player with her mother, harpsichordist Hanne Petri; and her brother, cellist David Petri. Their repertoire includes works of such baroque masters as Telemann, Handel, Vivaldi and Corelli.

On Tuesday, April 7, as the finale of the Statler Series, Ravi Shankar will perform on the sitar. The performance by Shankar will be part of a nationwide celebration of the Festival of India.

Subscription prices for the Bailey Series range from \$56 to \$89 for the general public, and \$45 to \$72 for students. Prices for the Statler Series range from \$30 to \$44 for the public, and \$25 to \$38 for students. The subscriptions offer substantial savings over single ticket prices. Every effort is made to make these concerts available to the Ithaca Community at the lowest possible cost. The concert series has been able to partly offset the pressures of inflation in artists fees through contributions it receives from supporters of the Fund for Quality Concerts. The university matches all donations to the fund dollar for dollar.

Subscriptions are on sale at the Lincoln Hall ticket office (telephone 255-5144), open Mon. to Fri. from 9 a.m. to 1 p.m. The office is closed during July and August. The priority period for current subscribers to renew their seat location expires May 5. Cornellcard, Visa and Mastercard are accepted.



Dame Kiri Te Kanawa

Hearing and Review Boards Have Changes Made in Membership

President Frank Rhodes has approved changes in the membership of the hearing and review boards under Article III of the university's Campus Code of Conduct.

The changes make these hearing and review boards consistent with those under the

new Regulations for the Maintenance of Public Order, known more commonly as RMPO.

The changes — recommended by the University Assembly at its April 9 meeting — include adding eight faculty members to the Campus Code of Conduct hearing board. This increases its membership 16 to 24. The board will now include 12 faculty, eight students, and four staff.

Seven-member hearing panels are selected from the larger pool to hear violations of the Regulations for the Maintenance of Public Order. Three members of this panel must be faculty, thus the pool of faculty on the hearing board was increased from four to 12.

Twelve faculty members selected by the Assembly for the hearing board were recommended by the Dean of Faculty. They are Max Appel, John Knight, David Blandford, Arthur Bloom, June Fessenden-Raden, John Shaw, Ronald Ehrenberg, Robert Von Berg, Edgar Raffensperger, Robert Smiley, Bettie Lee Yerka, and Karen Brazell.

Hearing panels for violations of Article III — the Regulations for the Maintenance of the Educational Environment — remain at five members. Three of these are selected from the peer group of the defendant, with one each coming from the two other groups that make up the Cornell community of students, faculty, and staff.

The president also approved the assembly's recommendation that the review board for Article III violations be decreased from nine to four to coincide in membership and number with the RMPO review board membership.

In addition, President Rhodes accepted the assembly's recommended membership on this board: Donald F. Holcomb, faculty; Brian D. Kraff, student; and Dale A. Grossman, staff. He also appointed law professor Roger C. Crampton as the non-voting chairman of the board.

Changes in the Regulations for the Maintenance of Public Order became effective January 15, 1986. Copies of the new regulations and these most recent changes to the Campus Code of Conduct are available for review at the Information Desk in Olin Library, and the assembly office at 165 Day Hall. The regulations also are scheduled to appear in the Cornell Daily Sun.



Among the players in the Black Theatre production company are (from left) Phyllis Dyson, Reggie Osse, Pamela Ervin and Andrew Rudder.

Black Theater Workshop to Perform

The Africana Studies and Research Center's Black Theatre Workshop will present two plays in each of two performances, at 7 p.m. Sunday, May 4, and at 8 p.m., Monday, May 5 in Anabel Taylor Auditorium. Admission is free.

The plays — both by black American playwright Douglas Turner Ward — are "Happy Ending" and "Day of Absence." Ward is also the director and co-founder of the Negro Ensemble Company of New York City, which produced the 1982 Pulitzer Prize win-

ner, "A Soldier's Play."

The presentations, which are being entirely produced, directed and acted by students in the Africana Center's Black Theatre and Dramatic Literature course, continue a recent return to the academic study and performance at Cornell of materials from the black theatre repertoire.

Supervising will be New York playwright and film producer William Branch, who is visiting professor at the center for the current academic year.

Chester

Continued from Page 1

In addition to his teaching and research activities, Chester served as director of Cornell's Laboratory Atomic and Solid State Physics from 1968 to 1977. He is an authority on liquid helium.

Born in England, Chester holds a bachelor of science degree (1950) from Edinburgh

University and a doctorate (1953) from King's College of London University.

He came to the United States in 1954 as a research fellow at Yale University. He was a research fellow at Chicago University and research associate and senior lecturer at the University of Birmingham, England, before coming to Cornell as a visiting professor in 1961.

Chester's Number One Priority: Maintaining Top Quality Faculty

By MARTIN B. STILES

Maintaining the highest quality faculty possible in the College of Arts and Sciences is the number one priority of its dean-elect.

"The college centers on the faculty. The major task of the dean is not only to maintain its quality — and we do have a very strong faculty — but also to improve upon it," Geoffrey Chester said in an interview.

Most decisions a dean makes eventually affect the faculty and their ability to carry out the university's teaching and research missions, he added.

"The quality of our faculty is not only important for the College of Arts and Sciences, it is also important because of the central role we play in teaching and research in the university. We teach very large numbers of students from other colleges. The quality of that teaching depends on the quality of the faculty in the college," he said.

Chester said he will approach his many responsibilities as dean with this primary consideration in mind.

For example, he said, "there is an intimate relationship between the quality of the faculty and the quality of the student body. An outstanding faculty attracts good students, but top students also help retain and attract outstanding faculty."

Attention to the college's highly successful undergraduate admission program, with its close involvement with faculty, is an activity that never can be taken for granted, he said. "It requires both intellectual and financial support."

In addition he said, "The quality of our graduate students has increased steadily over the last five years. This again is due to the very high reputation of our faculty."

Unfortunately, almost everything a dean does concerns money, he added.

"The allocation of funds affects programs either positively or negatively, and inevitably influences the future of the college and the university. It's a slow process that evolves over years."

He said the main reason he was willing to take on one of the most demanding responsibilities on campus was his eight years of close association with Dean Alain Seznec and the operation of the arts college.

Even more important than understanding the day-to-day mechanics of running the college, he said, has been his association with the varied personalities in the college, its departments, and the central administration concerned with the decisions that shape Cornell.

Among the more immediate practical tasks and goals he has set are:

- Establishment of an endowment to support the day-to-day operation of the college;
- Working to strengthen several of the departments and interdisciplinary programs in the college;

- Financing and planning the remodeling and extension of Lincoln Hall for the music department within the next three or four years;

- Acquiring capital funds and planning the move of the Department of Mathematics into Sage Hall, within the next two or three years.

Of course, the issue of salaries is a crucial factor, Chester said.

But almost equally important are outstanding research facilities, laboratories, libraries, students, cultural activities, and an atmosphere of collegiality at the departmental, college and university levels, he added.

Meyer Labs to Be Dedicated

Two computing facilities at the Johnson Graduate School of Management will be named the Meyer Computing Laboratories during a dedication scheduled for Friday.

The laboratories contain 32 IBM PCs and 12 Hewlett-Packard Vectras for use by faculty and students. The computing equipment was purchased through two grants from the Andre and Bella Meyer Foundation.

The computers will be used to enrich instruction in information management, accounting, marketing, finance, and other topics, and will provide students with experience on the kinds of systems they will encounter in the business world, said Richard Conway, professor of information systems in the

Johnson School.

By September, all faculty offices in the Johnson School's Malott Hall will be connected to the laboratories.

The Meyer Foundation was established in 1950 by Andre Meyer and his family and friends, and the Lazard Freres Co., an investment banking house whose New York office was led by Andre Meyer for 33 years. The foundation supports local hospitals and medical research, Jewish welfare funds, and higher education. The foundation also is helping support the expansion of Cornell's space sciences building.

Meyer died in 1979; Mrs. Meyer died in 1980.

Number 17

Cornell University

University Personnel Services
Day Hall
Ithaca, New York 14853

Please Note:

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

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

Employee Transfer Applications: Em-

ployees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit the form(s) to Staffing Services. Individuals with official University layoff status are given preference in referrals.

Applicants: Applications for employment are available at Cornell University's

Please Post

May 1, 1986

Technical

Outside applicants for technical positions should submit an employment application, resume, transcripts and a list of laboratory techniques and equipment, or computer languages and hardware with which you are familiar. This information will be kept active for six months. For each position that you are qualified and wish to be a candidate for, submit a cover letter, including position title, department and job number, to Cynthia Smithbower.

Current Cornell employees should submit a transfer application, resume and cover letter. Outside applicants with training and/or experience in the following areas are encouraged to apply: biochemistry, chemistry, microbiology, electronics, physics and licensed animal health technicians.

*COORDINATOR, MICROCOMPUTING FACILITY, GR22

Job Number: T174

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. Answer user questions concerning micro hardware and and software. Regulate and monitor user access. Insure physical security of facility. Supervise, train student part time employees. Perform routine maintenance.

Requirements: Bachelors degree or equivalent with (micro) computing coursework. Experience with micro hardware and software, training and supervision of student-/part time employees. Good organizational and interpersonal skills. One year experience with day-to-day supervision, consultation and general user support in a computing facility. Must have knowledge of Basic, Pascal, and Fortran microcomputer languages. Apply by May 9, 1986.

Minimum Biweekly Starting Salary: \$539.94

*TECHNICIAN, GR21

Job Number: T173

Department: Veterinary Pathology

Description: Process tissue and carry out photography techniques using electron microscopy, light microscopy and immunoelectron microscopy; prepare materials used in the laboratory.

Requirements: Bachelors degree or equivalent in biology. 1 year experience in electron microscopy preferred. Apply by May 9, 1986.

Minimum Biweekly Starting Salary: \$512.32

*TECHNICIAN, GR19

Job Number: T176

Department: Food Science

Description: Perform a variety of microbiological and chemical techniques on milk and dairy products collected from public school cafeterias, supermarkets, and processing plants. Visit schools to inform quality of product offered for sale and assist in improving milk handling practices which affect quality.

Requirements: Bachelors degree or equivalent with courses in dairy products and laboratory analysis. Experience with basic lab equipment such as pH meters, autoclaves, incubators, and spectrophotometers. Familiarity with dairy chemistry and dairy microbiology helpful. Some experience with computers useful. Apply by May 9, 1986.

Minimum Biweekly Starting Salary: \$457.09

*TECHNICIAN, GR18

Job Number: T171

Department: Equine Drug Testing - Vernon Downs

Description: Under close supervision, perform routine duties such as preparing thin layer plates and chemical solutions; sort, label and measure samples. Some laboratory inventory, cleaning, and maintenance. Will be trained to perform the complete sequence of thin layer chromatography. Full-time, regular; five days per week plus weekends and holidays; 1:30pm -10:00pm.

Requirements: Associates degree or equivalent in chemistry, medical lab technology or related field. 3 to 6 months laboratory experience.

Minimum Biweekly Starting Salary: \$431.43

*TECHNICIAN, GR18

Job Number: T175

Department: Section of Plant Biology

Description: Perform experimental work involving electrophysiologists, biochemical assays using an ultracentrifuge, spectrophotometers, and scintillation counter and electrophysiological equipment. Maintain algal cultures. Laboratory maintenance involving ordering supplies and some dishwashing. Until February 28, 1988 with a continuation dependent upon grant funding.

Requirements: Bachelors degree or equivalent in biochemistry, biology or chemistry. Good laboratory skills essential. Some biochemical experience desirable but instruction in use of instrumentation will be provided. Apply by May 9, 19 Biweekly Starting Salary: \$431.43

TECHNICIAN, GR18

Job Number: T152

Department: Electrical Engineering

Description: Provide technical support in a compound semi-conductor microwave laboratory. Prepare material reagents and monitor apparatus; maintain expendable stock. Maintain equipment and laboratory, and prepare purchase orders. Input inventory data into computer.

Requirements: High school diploma or equivalent with chemistry and physics courses preferred. Chemistry and physics lab experience desired; as well as office experience. Please send cover letter and resume to Cynthia Smithbower by May 2, 1986.

Minimum Biweekly Starting Salary: \$418.85

Part-time

COORDINATOR, ECO-JUSTICE PROJECT (Re-post)

Job Number: P138

Department: Center for Religion, Ethics and Social Policy

Description: Administer educational and research project. Serve as enabler for volunteer research and resource development team, while engaging in consulting and educational activity, including planning and coordinating workshops and conferences, public speaking, and article writing; develop budgets and secure funding.

Requirements: Strong commitment to social and ecological justice, administrative expersal setting, strong oral and communication skills, grant writing skills and ability to develop resources for projects, leadership development and networking skills. Advocacy skills and knowledge of church structures and community processes desirable. Send resume with three references plus two concise statements, one on key issues confronting humankind and its future, one on your skills and interests, to: Search Committee, Eco-Justice, Anabel Taylor Hall, or call 255-4225 by May 2.

Minimum Starting Salary: \$8,000/year (half-time)

Temporary

TEMPORARY OPPORTUNITIES: Individuals qualified for temporary work in the following areas are encouraged to apply: clerical, secretarial, word processing. If you have experience or skills in these or related areas and are interested in learning more about these opportunities, please call Laurie Worsell at 255-5226.

TEMPORARY COLLECTION REPRESENTATIVE (Two positions) (Repost)
Job Number: C222

Continued on Page 8

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

The minimum salaries listed are for recruitment purposes only.

Administrative/Professional

*SENIOR ADMINISTRATOR

Job Number: PA172

Department: Division of Nutritional Sciences

Description: Under the director, serve as senior non-academic administrator for the Division of Nutritional Sciences. Responsible for financial planning and monitoring, grant management, personnel, administrative computing, facilities management, laboratory animal facilities, and a major building program.

Requirements: Masters degree in business administration or equivalent education preparation preferred. Minimum of 5 years administrative experience in an academic unit necessary. Send cover letter and resume to Ralph D. Jones by May 15.

*APPLICATIONS PROGRAMMER III

Job Number: PT173

Department: Mechanical & Aerospace Engineering

Description: Responsible for development of a large program for use by a Cornell research group. Project will involve interactive computer graphics, data base concepts, distributed processing and use of the Cornell super-computer. Facility includes VAX-II-750, 2 micro-VAX and IRIS workstation.

Requirements: Bachelors degree in relevant field. Experience required includes FORTRAN language and VAX VMS operating system, C and UNIX and color graphics. Experience with data structures, LISP, and expert systems would be useful. Please send cover letter and resume to Cynthia Smithbower.

*APPLICATIONS PROGRAMMER II

Job Number: PT174

Department: Mechanical & Aerospace Engineering

Description: Responsible for support of a large, sophisticated software package which uses interactive graphics and data base concepts. Facility includes VAX II-750, 3 micro-VAX and IRIS workstation.

Requirements: 2 years technical training and 1 year experience required. Experience in FORTRAN language and VAX-VMS operating system is vital. Applicant will also be expected to learn C and UNIX. Please send cover letter and resume to Cynthia Smithbower.

*EXTENSION SUPPORT AIDE, HRI

Job Number: PA171

Department: NYSSILR - Extension & Public Service - Buffalo Office

Description: Assist Director and Coordinator of labor programs in Buffalo Office, provide basic administration of NYSSILR credit programs in labor relations. Includes course scheduling, course material processing, program promotion and recruitment, student and faculty contacts and follow-up coordination, revision of student personnel records and data gathered.

Requirements: Bachelors degree in social science required. Demonstrated organizational communications and interpersonal relations skills; familiarity with the structure and functioning of organizations. Experience and/or education in the administration of continuing education highly desirable. Please send cover letter and resume to Ralph D. Jones by May 15, 1986.

DIRECTOR OF UNDERGRADUATE ADMISSIONS

Job Number: P1511

Description: Report to the Dean of Admissions and Financial Aid; plan and direct the personnel, operations and financial functions of the undergraduate admissions office, including the design, implementation and evaluation of undergraduate marketing and recruitment programs.

Requirements: Bachelors degree plus 5-8 years of progressively responsible experience in admissions; supervisory experience and familiarity with administrative computing system essential. Apply by May 1.

RESEARCH SUPPORT SPECIALIST III (Repost)

Job Number: PT489

Department: Agricultural Economics

Description: Plan and develop enumerative surveys on energy utilization in New York's commercial farm sector. Appointment ends July 1, 1988.

Requirements: Master's degree in agricultural economics or related field. Familiarity with commercial agriculture. Knowledge of statistical theory; previous experience with survey design preferred; prior experience with micro-computers essential. Please send cover letter to Cynthia Smithbower.

PERSONNEL ASSOCIATE

Job Number: PA164

Department: Academic Personnel office

Description: Assist in the processing of academic appointment forms and in administrative personnel policies for the University. Shared responsibility for maintenance of academic personnel information systems. Preparation of academic personnel recommendations requiring trustee approval and related duties.

Requirements: College education or equivalent combination of education and experience in business/personnel administration. Strong interpersonal and communication skills (both written and oral); ability to work independently and to handle confidential matters a must. High degree of discretion required in dealing with extremely confidential matters. Familiarity with Cornell administrative operations preferred. Please send cover letter and resume no later than May 15 to Ralph D. Jones.

ACCOUNTANT II

Job Number: P146

Department: Restricted Fund Accounting

Description: Assistant supervisor of Restricted Fund Accounting. Responsible for most day-to-day operations of staff; oversight and training responsibilities for internal computer operations; some source responsibilities.

Requirements: Bachelors degree in accounting, business or related field or equivalent. Cornell experience

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. Completed applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca, NY 14853.

This listing is also available on CUIN-FO, Cornell University's computerized information service. For further details on CUINFO, contact the Information

and Referral Center.

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

highly preferred. Strong accounting and computer skills. Experience with IBM PC XT -Symphony a plus. Strong communication (written and oral) skills. Please send cover letter and resume to Esther L. Smith.

BUDGET ANALYST (Repost)

Job Number: PA4610

Department: Administrative Services

Description: Provide budget forecasting and preparation, financial sensitivity analysis, prepare monthly reports, income trend analysis in support of \$50 million department budget.

Requirements: Bachelor's degree or equivalent. Two years experience in accounting and/or budgeting. Knowledgeable in computers (Lotus 1-2-3, Symphony). Excellent verbal and written communication skills. Please send cover letter and resume to Ralph D. Jones.

Clerical

CURRENT EMPLOYEES should submit an employee transfer application, resume and cover letter. Also, if you are interested in a career development interview, please contact Esther Smith at 5-6874 to schedule an appointment.

OUTSIDE APPLICANTS should submit an employment application and resume. Applications and resumes typically remain active for three months; typing test scores remain on file for one year. The clerical section uses an automatic referral system matching applicants to positions for which they are considered qualified and competitive. Unless otherwise advertised, requests to be referred to a specific position will not be accepted. Applicants who are referred to a department for review will be contacted by the department if an interview is necessary.

NOTE: OPEN INTERVIEWING FOR OUTSIDE APPLICANTS interested in clerical positions will be conducted every Wednesday afternoon from 1:00 - 6:00pm. in our East Hill Plaza Employment Office. No appointment is necessary, however a short wait may be required. Call Esther Smith or Lauren Worsell if you have any questions.

ADMINISTRATIVE AIDE-LEGAL, GR22

Job Number: C175

Department: University Counsel/Secy of Corporation

Description: Provide administrative support to staff lawyers and secretary of the corporation. Prepare legal documents, reports, correspondence; make travel arrangements. Other duties as assigned.

Requirements: Associates degree or equivalent. Heavy typing. Minimum 3 to 5 years executive and/or law office experience preferred. Ability to use Macintosh computer and Xerox 645 Memorywriter. Good language usage and punctuation important. Ability to work under pressure. Organizational ability.

Minimum Biweekly Starting Salary: \$524.21

*SECRETARY, GR20

Job Number: C179

Department: Vice President University Relations Office

Description: Process all typed material, often with multiple revisions, work under tight deadlines for distribution of material to media sources. Back-up phone and calendar work; order office supplies; maintain subscriptions. Other duties as assigned.

Requirements: Associates degree or equivalent. Heavy typing. Minimum 3 to 5 years secretarial experience. Exceptional typing skills; word processing proficiency (Displaywriter experience preferred). Knowledge of Cornell and related systems. Organizational skills. Ability to work without detailed direction.

Minimum Biweekly Starting Salary: \$468.29

*SENIOR SPECIAL COLLECTIONS ASSISTANT, GR20

Job Number: C178

Department: Rare Books - Olin Library

Description: Under supervision of Associate Rare Book Librarian, will catalog books with Library of Congress or other cataloging copy. Public service responsibility will include reading room supervision; reference service. Other duties as assigned including providing clerical support.

Requirements: Bachelors degree or equivalent preferred. Light typing. Previous work experience in an academic library preferred; specifically cataloging experience. Attention to detail. Excellent reading knowledge of one or more foreign languages, Italian preferred, French helpful.

Minimum Biweekly Starting Salary: \$468.29

*ADMINISTRATIVE SECRETARY, GR18 (Two positions)

Job Number: C173, C174

Department: Office of Transportation Services

Description: Provide secretarial/office support for the Traffic Bureau. Input data to the computer systems; answer telephone; accurately transmit information concerning parking and traffic rules and regulations to the University community; type; file. Other duties as assigned.

Requirements: High school diploma or equivalent. Business or secretarial school desirable. Light typing. Minimum 1 to 2 years experience with office procedures. Good organizational and communication skills. Experience using computers e.g. micro computer and mainframe PC terminals.

Minimum Biweekly Starting Salary: \$418.85

*SECRETARY, GR18

Job Number: C171

Department: Integrated Pest Management -IPM Support Group, NYS Agriculture Experiment Station, Geneva, NY

Description: Assist the IPM administrative aide in the operation of the office. Use Macintosh software and equipment to prepare correspondence, reports, manuscripts, and mailing lists; responsible for record keeping, bookkeeping, filing; general office management some of which will require utilization of software on the central computer. Full-time, regular dependent upon funding.

Requirements: Two year business school training and/or at least two years prior secretarial experience with bookkeeping responsibilities preferred. Light typing. Minimum 2 to 3 years experience including use of computer equipment and software, for both data entry work and word processing.

Minimum Biweekly Starting Salary: \$431.43

*SECRETARY, GR17

Job Number: C172

Department: Residence Life

Description: Assist in maintaining the office. Type; answer telephones; maintain office supply inventory and office equipment; communicate with the public. Other duties as assigned.

Requirements: High school diploma or equivalent. Medium typing. Some secretarial experience. Good communications, organizational and interpersonal skills.

Minimum Biweekly Starting Salary: \$397.60

*OFFICE ASSISTANT, GR17

Job Number: C176

Department: Purchasing

Description: Receptionist for department. Greet and direct sales representatives and visitors; answer and refer incoming calls on System 85 digital; process incoming and outgoing U.S. and campus mail; file in pendaflex.

Requirements: High school diploma or equivalent. Experience with System 85 or similar answering stations preferred. Some knowledge of Cornell helpful. Good interpersonal skills. Legible handwriting essential.

Minimum Biweekly Starting Salary: \$397.60

General Service

*MAINTENANCE MACHANIC, SO22

Job Number: G175

Department: Residence Life - Endowed

Requirements: Responsible for general maintenance of assigned residence areas including physical plant facilities and Residence Life service operation's equipment.

Requirements: High school diploma or equivalent. 3 to 5 years related experience with minimum of 2 years working experience in a trades field and general knowledge of others.

Minimum Starting Salary: \$6.77/hour

*HEAD CUSTODIAN, SO20

Job Number: G172

Department: Buildings Care - Statutory

Description: Responsible for routine cleaning of assigned campus buildings and for supervision and development of 10 or more custodians in assigned areas. Maintain equipment and inventory of supplied. Monday - Thursday, 6:00am - 2:30pm; Friday 6:00am - 1:30pm.

Requirements: High school diploma or equivalent. 3 to 5 years experience in custodial maintenance. Supervisory skills and aptitude essential. Ability to perform inventory accounting and purchasing duties. Interested employees should submit a transfer application by May 12, 1986.

Minimum Starting Salary: \$6.04/hour

*APPRENTICE CONTROL MECHANIC, U100 (Six positions)

Job Numbers: G176, G177, G178, G179, G1710, G1711

Department: Maintenance & Service Operations - Endowed

Description: Assist journeyman control mechanic in performing daily duties of installing and troubleshooting HVAC systems, while acquiring skills and theory to become competent journeyman control mechanic.

Requirements: High school diploma with demonstrated electronic and/or pneumatic technical skills or minimum of associates degree in HVAC or closely related field. Advance technical training desirable. Must be willing to join union within 30 days, and participate in their apprentice training program. Employees should provide resume with documented related experience.

*ANIMAL TECHNICIAN, GR18

Job Number: G174

Department: Veterinary Microbiology; James A. Baker Institute for Animal Health

Description: Care of herd of horses, donkeys, mules, and cattle used in reproduction and immunology research. Food; clean; general barn/stable upkeep, assist with experiments (nursing, take blood samples, record data). Standard work week: 39 hours, weekends and holidays.

Requirements: Veterinary technician (Associates degree) or equivalent experience desirable. Practical experience with farm animals; skills to assist in surgical procedures, take blood samples, nursing care for post-surgical cases. Weekend/holiday work required. Ability to lift up to 80 lbs daily. Pre-employment physical will be given.

Minimum Biweekly Starting Salary: \$431.43

*CUSTODIAN, SO16

Job Number: G171

Department: Buildings Care - Endowed

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Saturday - Wednesday, 11:00pm - 7:30am; Friday 11:00pm -6:30am.

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

Minimum Starting Salary: \$4.84/hour

*CUSTODIAN, SO16

Job Number: G172

Department: Buildings Care - Endowed

Description: Provide general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned area. Monday - Thursday 6:00am - 2:30pm; Friday 6:00am -1:30pm.

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

Minimum Starting Salary: \$4.84/hour

The Week in Sports

Three Teams Will Make Final Home Appearances

By JOHN HERON
Sports Information

Three of the four Big Red teams featured on East Hill this week will be making their final home appearances of the 1986 campaign.

In the main event of the weekend, the men's lacrosse team will have a chance to deny Brown a share of the Ivy League title and tie the Bruins for second in the league standings when the two teams meet Saturday at Schoellkopf Field. Faceoff time is 2 p.m.

The men's and women's tennis squads will close out their respective seasons this week at the Kite Hill Bubble. The women's team will entertain Dartmouth at 4 p.m. Friday, then meets Harvard at 2 p.m. Saturday. The men's squad will play Colgate at 5 p.m. Monday in its final match.

The Big Red baseball team will open its final home stand of the year at 1:30 p.m. Tuesday afternoon when it takes on Oneonta in a doubleheader at Hoy Field.

Thirteen seniors will play their last lacrosse game in a Cornell uniform Saturday. In their careers, the 23 players have not beaten Brown, but emotions will be stirred when the veterans bid farewell to the fans at Schoellkopf. The Bruins are 8-5 overall and 4-1 in the Ivies', while Cornell is 6-6 overall and 3-2 in the conference. But the Big Red has won three Ivy contests in a row, outscoring the opposition 48-20 in those games. Last Saturday, Cornell toppled Princeton 14-6, as

freshman Paul Schimoler stopped 17 shots to earn Ivy League Rookie of the Week honors. Schimoler has a save percentage of .606 and a goals against average of 9.0.

Offensively, seniors have played central roles for the Big Red this year. Attackman Ed Cook, who registered three assists against the Tigers, continues to lead the Red in scoring (21-15-36), while midfielder Tom Gundersen (15-16-31) is second. Attackman Bill Hughes (17-11-28) has seven points in his last two outings, including one of his best efforts of the season against Princeton when he tallied two goals and two assists. Meanwhile, midfielder Nick Lantuh has scored at least one point in his last 17 games — the longest streak since 1983-84 when Kevin Cook reached the scoring column in 24 straight contests. Junior attackman Kevin Finneran (17-11-28) also had a big day last Saturday, scoring two goals and adding three assists.

After a 9-0 loss to Princeton last Saturday, the women's tennis team will look to end its season on a positive note against two Ivy rivals. The Big Red, which is 4-7 overall, has already compiled its most victories since 1982. Cornell won a school-record five matches in 1974. However, the team will be searching for its first triumph ever in the series against both Dartmouth and Harvard. The Big Green and the Crimson have each won all three of the previous encounters. Sophomore Linda Manaster has led the squad with a 4-7 record at No. 2 singles. She

has also paired with junior Cynthia Cummis to post a 4-6 record in doubles play. The leading doubles team has been sophomore Carolyn Savage and junior Anne Meinig, who have a 6-4 record at No. 1 doubles.

The men's tennis team will try to break a four-game losing streak against the Red Raiders, which Cornell has beaten 20 times in 34 previous meetings. The Big Red is 3-13 on the season after losing two 9-0 decisions to powerful squads from Princeton and Navy last week. Junior Eric Cruz and sophomore Bruce Jervis have been the Big Red's top singles players this year, posting identical 7-8 marks. Freshman Tony Giorgetti has the only winning record in singles competition with a 6-5 slate. Giorgetti has paired with Jervis in doubles play to post a 3-8 record. Cruz has compiled a 4-11 doubles mark with James Connolly and freshman Drew Lawrence, having been his partners.

The Big Red baseball team will return to Hoy Field Tuesday for a non-league doubleheader against Oneonta after splitting a pair of twinbills last weekend. Cornell is now 13-21 overall and 8-6 in the EIBL. Cornell used strong pitching to take the second game of doubleheaders against both Brown and Yale.

Freshman infielder Scott Kenney leads the Big Red in hitting. He's hitting at a .309 clip with 21 hits in 68 plate appearances, including six hits in his last 14 at-bats. Junior catcher Guy Leach (.304) and third baseman Joe Darlak (.302) are the only other hitters over the .300 mark.



Attackman Bill Hughes will be one of 13 seniors playing in the final game of their Big Red careers Saturday.

Brief Reports

Nuclear Power's Future To Be Discussed May 8

The future of nuclear power will be discussed by two nationally prominent scientists during an open meeting of the Niagara-Finger Lakes section of the American Nuclear Society at 2 p.m. Thursday, May 8, in 2146 Snee Hall.

The speakers, both of whom received Ph.D. degrees in nuclear engineering at Cornell in 1969, are E. Linn Draper Jr. and Michael W. Golay.

Draper, who is vice chairman, president and chief operating officer of Gulf States Utilities of Texas and currently national president of the ANS, will speak on "Can We Go Back to Our Nuclear Future?"

Golay, professor of nuclear engineering at MIT and co-author of a study of nuclear power reported as the lead article in the March 1986 Scientific American, will speak on "Rethinking Nuclear Power."

A tour of Ward Laboratory of Nuclear Engineering will follow the talks. The ANS is the professional society of nuclear engineers.

Historian Will Discuss Times of Helen Magill

When Helen Magill married a university president, then became America's first woman to earn a Ph.D., nobody said, "You've come a long way, baby!" Her timing was off; it was the late 1800s.

A Cornell historian will discuss the life, times, and frustrations of Magill and other women of her era in a talk on "The Caging

of a 'Shrew'; Courtship and Marriage in Victorian High Society" May 12 at Santa Clara University.

Glenn Altschuler, an assistant dean in the College of Arts and Sciences and adjunct professor in history at Cornell, will speak at Santa Clara in the President's Lecture Series.

Altschuler is author of a book on Magill's husband, "Andrew D. White: Educator, Historian, Diplomat." White served as Cornell's first president (1865-1885).

Cornell Garden Plots

Garden plots will be distributed May 10 at Martha Van Rensselaer Auditorium. Anyone who signed up in advance should come at the time requested; otherwise at 12:30 p.m. Everyone who wants a garden should be able to get one. Large gardens are \$10 for the season; small ones \$5. Land is donated by the College of Agriculture and Life Sciences.

Correction

Because of a typographical error in last week's Chronicle, the research subjects of two of the five students in the Southeast Asia program who won fellowships in an international competition were confused.

The correct listing of the two students and their subjects is:

—Grant A. Olson, Anthropology, to Thailand, for research on "Thai Buddhist Conceptions of Life Histories," and
—Budi Susanto, Anthropology, to Indonesia, for research on "Indiginized Catholicism Among the Batak."

Job Opportunities

Continued from Page 7

Department: Bursar

Description: Perform duties involved in the collection of delinquent student loan accounts. Duties include researching student loan accounts, 'skip tracing', initiating telephone and written communication with delinquent loan accounts, making suitable repayment arrangements with delinquent borrowers. Tuesday, Wednesday, Thursday, 4:30 p.m.-8:30 p.m.

Requirements: High school diploma or equivalent. Ability to effectively communicate via the telephone and letter. Person must be self-assured and possess the maturity to effectively present the University's position with diplomacy and tact. Please send cover letter and resume to Esther L. Smith.

TEMPORARY PROGRAMMER/ANALYST

Job Number: T161

Department: Johnson Graduate School of Management

Description: Develop a financial reporting system on the College's VAX minicomputer: develop a systems specification detailing the functional requirements, technical configurations and interfaces with the University system; design and program the system. Train staff in system's use.

Requirements: Experience in systems analysis and well-developed programming ability. Knowledge of the University accounting system helpful. Please send cover letter and resume to Karen Clifford.

Academic

Please contact department directly.

*ASSISTANT PROFESSOR OF HISTOLOGY-CELL BIOLOGY
Job Number: A171

Department: Section of Physiology, Division of Biological Sciences
Contact: Dr. Klaus Beyenbach

*LECTURER (Written Communication)

Job Number: A172

Department: Communication Arts

Contact: Chair, Lecturer Search Committee, 307 Roberts Hall, Department of Communication Arts

*ASSISTANT PROFESSOR (tenure track)

Job Number: A173

Department: Communication Arts

Contact: Professor C. Scherer, Chair, Search Committee, Department of Communication Arts, NYS College of Agriculture and Life Sciences, 314 Roberts Hall

*LECTURER (Oral Communications) (Three positions)

Job Number: A174

Department: Communication Arts

Contact: Russell D. Martin, Chair, Search Committee, Department of Communication Arts, NYS College of Agriculture and Life Sciences, 510 Mann Library Building

ASSISTANT OR ASSOCIATE PROFESSOR

Job Number: A161

Department: Management Organizational Behavior

and/or Human Resources

Contact: Dr. David C. Dunn, Assistant Dean for Academic Affairs, School of Hotel Administration

ASSISTANT PROFESSOR - BIOCHEMISTRY OF INSECT-PLANT INTERACTIONS

Job Number: A151

Department: Entomology

Contact: Dr. M. Soderlund, Chairman, Insect-Plant Interaction Search Committee, Department of Entomology, NYS Agricultural Experiment Station

Boyd Has 7th Solo Show In Andre Zarre Gallery

Michael Boyd, associate professor of design and environmental analysis, currently has the seventh solo exhibition of his art at the Andre Zarre Gallery, 41 East 57th St., New York City. The show runs through May 24.

Titled "Recent Abstract Paintings," the exhibit includes several large canvases as well as a selection of works on paper.

Boyd's paintings have been exhibited throughout the United States and are included in such collections as those of the Baltimore Museum of Art, Albright-Knox Gallery of Art and Phoenix Museum of Art.

'Exit Interviews' Set For Loan Holders

As a service to graduating students, the Bursar's office will offer special "exit interviews" this spring for those students who hold NDSL and university loans. Those borrowers are required to attend in order to receive their diplomas.

The special sessions will be offered for students who hold Guaranteed Student Loans with either their home bank or an Ithaca bank as the lender. Many times it is difficult for students to receive important information concerning their rights and responsibilities as borrowers. For this reason, the Bursar's office will be offering the following special sessions for GSL borrowers:

May 5, 12:20 p.m., Uris G94;

May 12, 5 p.m., Uris G94;

May 15, 9:05 p.m., Uris G94.

Engineers to Make Gift To Ithaca Youth Bureau

A gift of \$750 to help equip the new Ithaca Youth Bureau building near Stewart Park will be made Friday by Cornell's civil engineering honor society, Chi Epsilon.

The money will be presented by William Gorlin, president of the society, and Karen Nelson, a society member and president of the student chapter of the American Society of Civil Engineers.

The latter group is currently designing and building a gazebo, parking lot, sports area and play area for the Greater Ithaca Activities center.

Groundwater Management Course to Be Offered

A course in local groundwater management here June 16-20 will provide an overview on the science of aquifers, pollutants, water flows, and how to manage underground resources.

The course, offered annually since 1984, is open to government officials, civic leaders, planners, engineers, and academicians who are involved in groundwater management and protection.

For registration information, contact Mary Newhart, registration coordinator, Programs in Professional Education, Box 750, B-12 Ives Hall, or call 255-7259.

SAGE CHAPEL

Author Will Speak About Holocaust

David S. Wyman, author of "The Abandonment of the Jews," will preach at Sage Chapel at 11 a.m. Sunday, May 4. His sermon topic will be "America and the Holocaust."

Wyman received his A.B. degree in history from Boston University, an M.Ed degree in Education from Plymouth (N.H.) State College, and a Ph.D. in history from Harvard University. His main field of interest is the era of Franklin D. Roosevelt.

Since 1966, he has taught at the University of Massachusetts, Amherst, where he is a professor of history and has twice been chairman of the Judaic studies program. He has also worked as a parts shipper, a milkman, a printer, and a sixth-grade and high school teacher.

Wyman is a special adviser to the United States Holocaust Memorial Council and a member of the Academic Advisory Board of the Simon Wiesenthal Center. He is also the author of "Paper Walls: America and the Refugee Crisis, 1938-1941."

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.

Two Students Go to Greece On Caplan Fellowships

Two juniors in the College of Arts and Sciences will travel in Greece this summer as recipients of Harry Caplan Fellowships.

They are Curtis A. Perry, a college scholar concentrating in literature and Classical languages, and Iakovos Vasilou, a Classics major.

Colleagues, students, and friends established the awards in memory of Caplan, for travel related to the Classics. An active member of the Cornell faculty for more than 50 years, Caplan was one of Cornell's most revered professors. He was a world authority on Classical rhetoric. Caplan died in 1980 at the age of 84.

Freeman Award Has May 9 Deadline

May 9 is the deadline for nominating a third-year Cornell Law School student to receive the 1986 Freeman Award for Civil-Human Rights.

Nominations for the \$500 cash prize may be made by any Cornell graduate or any person on the Cornell campus. They should be submitted at the main office of the law school in Myron Taylor Hall.

Nominations are made with a one-page statement concerning the nominee and his or her contribution to international or national civil rights-liberties. Activity, rather than writing, is the criteria.

The award was established in 1984 by Harrop Freeman, Cornell law professor emeritus, and his family. A noted civil libertarian, Freeman earned a B.A. (1929), a law degree (1930), and the S.J.D. (1945), all from Cornell. His wife, Ruth, holds a master's degree (1925) from Cornell.

Networking

A Cornell Newsletter Published by Employees for Employees

Volume 7, Number 5

Thursday, May 1, 1986

Carlos Hernandez and Raul Alvarez Share Dedicated Service Award for May

The early 1960's were exciting times for a small group of Cornell employees in Arecibo, Puerto Rico as they worked furiously to get the world's largest and most sensitive radar/radio telescope ready for operation by the end of 1963.

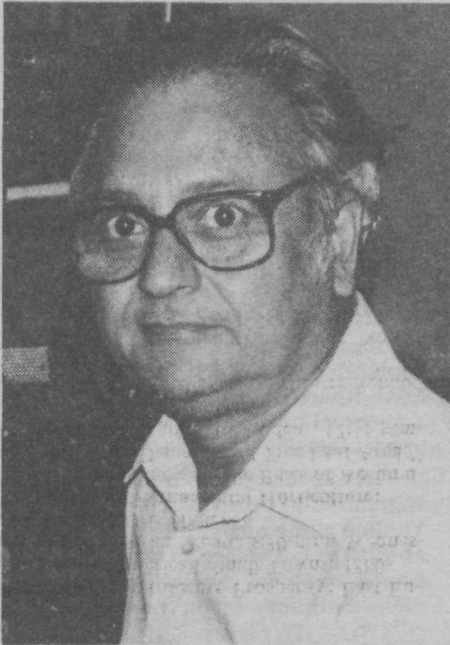
One of those workers was Carlos Hernandez, who joined the project in 1962 as a senior technician during the construction phase of Cornell's Arecibo Observatory. Carlos had been persuaded to come to work on the project by Miguel Peyjoo, the first professional electronics engineer from Puerto Rico to work for the University there.

Carlos and Miguel worked along with Merle LaLonde, George Peter and others under William Gordon, then professor of electrical engineering to complete the project by deadline.

Carlos worked in the radio frequency area until he was placed in charge of the instrumentation section which was formed in the late 1960's. In 1977 he was promoted to maintenance engineer in charge of electronics instrumentation.

Very quietly and without fuss, Carlos has kept this electronics instrumentation section, which is crucial to the smooth running of the Observatory, in good shape.

Carlos' value to the Observatory cannot be measured. Seldom has any piece of the complex equipment ever been sent back to the factory for repair or calibration. Carlos figured out how to do



Carlos Hernandez

it himself.

Carlos fills his spare time with many technical interests. Once he set about to construct a gyrocopter. He also has built a six-inch reflecting telescope for studying the night sky and has built his own ocean-worthy boat.

Another facet of his many interests includes farming. He has planted more



Raul Alvarez

than 500 trees on his farm near Villalba. With all these activities he also has found time to build a second home near Cabo Rojo on the beach, where he plans to enjoy his retirement this summer and the beautiful sunsets of Puerto.

We hope to see you once in a while because you are part of our Cornell family at Arecibo. (For a related article, see

Arecibo Observatory in this issue.)

Like a number of other current employees of Cornell at Arecibo, Raul Alvarez worked for one of the contractors during the construction of the Observatory between 1960 and 1963. He joined the University a few days before the inauguration of the telescope in November, 1963, and has worked here since.

Even today, several of the contractors involved with the Observatory's construction ask of Raul. He was regarded as one of the best people working for the contractors at the time.

Raul has worked in the crucial position of reflector foreman at the Observatory ever since he joined the University. Like Carlos Hernandez, Raul has done his work so well and effectively for so long that no one can quite believe that he will also be retiring during the summer.

Ronald Tower, mechanical engineer of the maintenance department described Raul as "An excellent individual. We are going to miss him when he retires. He will be hard to replace."

Raul is known for his excellent work, commitment to the Observatory, strong and amiable personality in addition to his eternal smile.

Raul is planning to retire this summer and enjoy his farm in Barrio Esperanza. We are proud to have worked with him. Best wishes on your retirement, Raul. For sure we are going to miss you.

'From Now to Retirement Seminar' Offered

Representatives from the Policy Services Division of TIAA/CREF will present a seminar entitled "From Now to Retirement" on Wednesday, May 14, 1986 at 1:30 pm in Bache Auditorium, Malott Hall and at the Geneva Experiment Station on Thursday, May 15, 1986 at 10:00am in the auditorium of Jordan Hall.

This seminar will include a discussion of retirement options and the flexibility available under TIAA/CREF annuity contracts. After the presentation, counselors will remain on the campus all day Thursday and Friday morning for individual counseling. A TIAA/CREF

representative also will be available for individual appointments at Geneva following the Thursday morning meeting.

Endowed faculty and staff members who are participants in the Cornell University Retirement Plan and statutory participants in the Optional Retirement Plan will receive a Contact with more details about the seminar and instructions for arranging an individual appointment and an illustration of initial retirement annuity income.

Additional questions concerning the TIAA/CREF visit may be directed to Bill Douglas at 5-6896 or Bonnie Clark at 5-5791.

Congratulations to the New Employee Assembly Members

Congratulations to the newly-elected members of the 1986-87 Employee Assembly. They are:

Bernadette D'Amico	Geneva At-Large
Dean L'Amoreaux	Statutory Nonexempt
Judy McPherson	Statutory Exempt
Kris Miller	Endowed Exempt
Dorothy Reddington	Statutory Exempt
Esther Roe	Endowed Nonexempt
William Staffeld	Statutory Nonexempt
Donna Vose	Endowed Nonexempt
Dwight Widger	Statutory At-Large

The continuing members are:

Mick Ellis	Endowed Exempt
Joan Heffernan	Statutory Nonexempt
Ralph D. Jones	Endowed At-Large
Tom Reitz	Endowed Nonexempt

The Employee Assembly is a deliberative body that provides an important mechanism for information exchange between employees and university administrators. The elected members of the Assembly represent all employees and play an important role in shaping the decisions and policies of the university.

Please feel free to contact any of the above members to discuss issues or concerns that you might have.

Employee Day 1986 Planning Sessions are off to a Good Start

The 1986 Employee Day committee is continuing to track down the details that will make the September 20th event a success. At a recent meeting they discussed the menu, entertainment, displays, gifts, and ticket sales.

The committee agreed that the cost of tickets should remain as low as possible. Included in the cost are a meal, entertainment, prizes for the kids, and other events and att.

There is also a discount price for football tickets that day. The trick,

according to one committee member, is to keep the cost to the employees low without giving up any of the special events and attractions.

Invitations to Come

As in past years, every Cornell employee will receive an invitation and sign-up sheet for reserving barbecue and football tickets. The latest information on Employee Day 1986 will be published in upcoming issues of Networking.

Madelyn Newby Celebrates Special Day with Co-Workers

Monday April 28th was a special day for Madelyn Newby when she celebrated her 25th anniversary of dedicated service as a maid at Willard Straight Hall. She was heralded by her fellow workers and peers as an outstanding staff member.

Madelyn is recognized as being a "people person" by Sherry Karaim, a coworker at the Straight. This may be attributed to a generous family of nine children, between 20-22 grandchildren and two great grandchildren. Madelyn is not sure as to the exact number of grandchildren but will make a final count when her daughter Linda has her second child. With a family this large, one might think it would be Madelyn's primary activity, however, she loves to crochet.

Madelyn's favorite hobby involves creating works of art with yarn. She is especially fond of crocheting stuffed

animals. Madelyn used to sell her works in the craft shop in the Straight until it was transformed into the Country Market. Now her efforts are directed toward gifts for her family and friends.

At work, Madelyn is known to enliven the atmosphere with rhymes and songs. She has a great disposition, and her coworkers enjoy her amusing and cheerful attitude.

Madelyn was awarded a certificate of distinguished service at the Department of Unions and Activities awards banquet on Sunday. She also received a plaque and a banner which many employees signed at a reception to commemorate her silver anniversary Monday morning.

The staff of Willard Straight Hall appreciates Madelyn's dedication and her 25 years of exceptional service.

Commencement Ushers Have Fun Too!

"You are missing an experience if you don't volunteer for commencement," said Tom Brown, director of Maintenance and Service Operations. He has been a commencement usher since 1979 and sees the day as a "culmination of many people's efforts."

The students, families and volunteers who assure the smooth operation of the ceremony are all to be congratulated. The antics, pride, and enthusiasm are all part of the day. Tom enjoys the cross-section of happy parents and students and says, "I am proud to be a part of it."

Linda Hill, an administrative aide in the Finance and Business Office, has been an usher for the past four years and likes to see "the happy parents and the excitement of the students." She enjoys helping at commencement because "it is their last time at Cornell University and I want them to leave with a good feeling."

As a native Ithacan, Patty LaLonde, a budget analyst at NYS College of Veterinary Medicine, finds it very rewarding to know personally students who are taking part in the ceremony. She has been an usher for the past three years and finds each ceremony unique and

fun. "As a people watcher I find the day is great for viewing all of the graduates and guests."

Being part of a "lovely occasion" is important to Donna Sokol, an executive staff assistant in the vice provost's office. She has volunteered as an usher for the past four years and enjoys being a part of a celebration that "acknowledges in a formal way the accomplishments of all the students and their families." Most impressive is "the dignity of the ceremony and the eloquence of President Rhodes."

Volunteers are personally thanked by President Rhodes and are invited to a June reception in their honor. To commemorate the occasion a specially inscribed mug is given to each volunteer.

To volunteer for this year's commencement on Sunday, June 1, please call the Commencement Office at 5-9541. The following University policy governs volunteer service during commencement. All employees, nonexempt and exempt, who volunteer to work will be granted compensatory time-off equivalent to their standard workday.

CRC News

Annual Picnic, Old Timers' Day Upcoming

CRC park fundraising: All CRC members should have recently received a fundraising letter and an attached payroll deduction form. At this writing, just days after the letter was sent, the CRC office has already received many responses in the form of payroll deductions and checks! CRC would like to thank the following people who have recently contributed to the park fund:

Lloyd and Maude Cornelius
Alan and Shirley Grant
Mary and Rodney Tobey
Keith and Barbara Kennedy
Peggy and James Banfield
Richard Mooney
Roslyn Arsenault
Rose and Joe Sanford
Peggy and Jerry Beach
Jack Fulton
Lavina Kilmer
Donna Updike
James Bishop
Jim and Elaine Sheehan

Please consider making a donation to the park fund. The estimate for the phase one construction is approximately \$20,000. Any amount that you feel you can afford will help the CRC. Payroll deductions seem to be the easiest way for Cornell employees to contribute.

donations will help build a great park for all to enjoy.

Also needed are volunteers for all types of jobs during the work bees. If you can lend a hand, contact Peggy Beach 5-7565 or Al Reed 5-4837 and let them know.

Vernon Downs "Feed the Horses" trip is scheduled for Saturday, May 17th. This is always a fun trip and you could be one of the big winners (we hope not a loser!). There are approximately 12 seats left to fill on the bus. Call the CRC by May 9th if you are interested in going on this trip.

The price is \$23.00 per person and includes bus, Clubhouse entrance, the "Miracle Mile Buffet," tax, and gratuity. The bus will leave from B Lot at 4:00 pm and will return at approximately 12:00 midnight. Sorry - whatever money you "feed the horses" you must supply yourself.

Deep sea fishing - June 13-15th. The boat is reserved through Eastman Fishing Parties in Seabrook, NH and has been chartered exclusively for the CRC group.

It should be another great trip. However, don't leave your Dramamine or seasick medication at home. You may need it! The bus will leave B Lot on Friday, June 13th in the evening and return on Sunday, June 15th in the evening.

The group will stay overnight on Saturday at the Best Western Seabrook and a complimentary continental

breakfast will be served by the motel on Sunday morning.

Restaurants and lounges are within walking distance for the hungry and partying folks. There are only a few seats left to fill on this trip so call today. The cost is \$100 (add \$10 for nonmembers) and includes transportation, boat, rod rental, bait, beer, snacks, and motel.

Toronto Canada - August 14-17th. This trip was such a success last year, it has been requested again this year. The price is \$220 (add \$10 for nonmembers) and includes bus, lodging at the Delta Chelsea Inn, a group dinner on arrival the first evening, and a dinner / theatre evening. (EVITA will be the show.)

Day trips are planned for the CN Tower, Canadian National Exhibition, Ontario Science Center, and Casa Loma (a medieval castle). The deadline for sign up and final payment is due on June 27th. Sign up today.

Yankee Baseball - A trip to Yankee Stadium for the Old Timers' Day program is planned for July 19th. The group will leave Ithaca at approximately 7-7:30 am and travel by bus to NYC arriving at approximately 1:00 pm.

The Old Timers' exhibition game is scheduled to begin at 2:00 pm and the Yankee game against Chicago will begin at 4:00 pm. The group will return to Ithaca following the game. They usually make a dinner stop on the way back. It's a

great time. We hope you will join us this year. Call the CRC office to sign up.

Annual CRC family picnic will be held on Saturday, June 7th. Mark your calendars so you don't miss out on this great event. The picnic will be held at Helen Newman grounds from 10:00 am until 7:00 pm.

Swimming will be available from 11:00am - 2:30pm and bowling (at 25¢ per game) will be available from 10:00am - 1:00pm. Music will be provided from 3:00-7:00 pm. Tickets will be distributed as soon as they are printed. Watch for more notices!!

This year we would like to incorporate a talent show into the family picnic. If you, or a member of your family would like to perform at this year's event, please call the CRC office. All ages are welcome to participate so don't be shy.

Board of directors election will be held in June. Two seats will be vacant when the term expires on July 1st and they need to be filled. Candidates for these seats are needed.

Why not consider putting your name on the ballot or maybe you know someone who has some new ideas that would improve CRC. Call today if you would like to nominate someone or you yourself would like to become more involved. Call Peggy 5-7565 if interested. All nominations must be received by May 23.

Management Orientation Program is Scheduled

Cornell's spring 1986 Management and Professional Orientation Program will be held Thursday, May 22 and Friday, May 23 from 8:30 am to 4:30 pm in the boardroom of the Johnson Museum.

First offered in December 1985, this two-day program provides selected midlevel management and professional staff with an executive perspective on the major issues and challenges facing the University.

Presentations by a variety of senior University administrators will provide participants with vital information related to Cornell's three-part mission, the complexities of Cornell's financial management, and the role and importance of midlevel management and professional staff within the University.

Program presenters will include Provost Robert Barker, Dean of the Faculty Joseph Bugliari, and other senior executives and key resource staff from within the University.

While this program is intended primarily for newly hired midlevel management and professional staff, it may also be appropriate for certain current employees who have been



President Frank Rhodes with some of the participants at a recent Management and Professional Orientation Program.

recently promoted into more senior level positions within the University.

Deans, directors, and department heads may nominate appropriate upper Band II employees for the program if they feel these employees would benefit from

participation in this program.

For additional information about the spring 1986 Management and Professional Orientation Program or to nominate individuals for participation, call Training and Development at 5-7170.

If you are unable to make a large donation then please consider a small one. Many of the payroll deductions are \$1.00, \$2.00, or \$5.00 per pay period. All

will not be introducing the idea of suicide, but might help relieve emotional tension by getting concerns into the open.

Show your care - staying with someone who may be contemplating suicide and listening in a nonjudgmental manner helps reduce that person's feelings of isolation. Give reassurance without minimizing, analyzing or arguing. Offering companionship can be helpful in preventing the occurrence or recurrence of suicidal feelings.

Reduce immediate danger - if someone is seriously attempting suicide and you have an opportunity to intervene, use short, clear statements to reduce the chance of suicide, i.e., "I want you to put the pills down now so we can talk."

Get them to promise not to hurt themselves until they talk to you or see you next. Help them plan what they will do in the meantime.

Get help - if they refuse to make the commitment not to hurt themselves, make immediate provisions for their safety. Call one of the numbers listed here:

Psychological Service - 5-5208 days, 5-1111 nights and weekends. Call and walk the person to Gannett Health Center, or call to find out how to handle the situation if s/he refuses to go to Gannett.

Safety Division - 5-1111 if someone is in immediate danger.

(Continued on Page 4)

Take Charge of Your Health
Preventing Suicide

by Joyce Marsh

Reprinted from University Health Services Vital Signs

April and May have traditionally been peak months for suicides, though the last ten years has been a shift, with suicides in the fall nearly matching the rate in the spring. As spring approaches, it seems prudent to discuss reasons for suicide, provide guidance on recognizing suicide's danger signals, and suggest appropriate actions to take when dealing with a suicidal individual.

While more women than men attempt suicide, three times as many men complete a suicide attempt, though a rising number of suicides by women is unfortunately closing this gap. The rate among young blacks, particularly women, is also rising.

A sense of isolation and alienation is a major factor in many suicides. Such feelings can become magnified if individuals also have poor relationships with their families or if they have experienced the loss of loved ones through a death in the family or the break-up of a relationship.

Stresses such as these can produce feelings of depression and helplessness. When helplessness turns to hopelessness, when no way out of a situation is seen or the potential for change appears nonexistent, people may consider suicide.

A suicide attempt may be a way of communicating painful feelings to others or may simply be an impulsive reaction to a situation. Whatever the cause, suicidal threats and gestures should be taken quite seriously.

It is a myth that people who talk about suicide don't kill themselves; most people give verbal or behavioral clues that indicate they are contemplating suicide. Some of the danger signals of suicide are:

— Voicing suicidal thoughts directly, or through more vague expressions such as "I just can't take it any longer" or "I don't know what I might do."

— Depression, as evidenced by spontaneous crying, insomnia, loss of appetite, inability to concentrate, irritability, fatigue, or lack of interest in personal appearance or sexual desire.

— Expressions of worthlessness or hopelessness.

— Overinvolvement in past events and inability to talk about future prospects.

— Making final arrangements, like giving away personal belongings to friends, checking insurance policies, etc.

— Tendency toward isolation or withdrawal.

— Increased alcohol or drug use.

If someone you know is exhibiting any or all of these danger signals, several helping approaches exist:

Talk openly - asking questions about suspected suicidal thoughts or gestures



For those who wish to learn more in-depth information about wildflowers, write to Plantations and ask for the spring education program. This spring two courses related to wildflowers will be offered. Cornell Botany Professor Emeritus William Dress will lead a series of field trips to local areas rich in wildflowers. Frank Bibbo will offer a course on wild edible plant which combines slide lectures with field exploration.

For more information about special events or classes, call (607) 255-3020 or write: Cornell Plantations, One Plantation Rd., Ithaca, NY 14850.

Dryden Footlighters Present 'Pajama Game'

What do Dorothea Warner, Linda Contento, Christine Frissora, Diane Colf, Pat Ackley, and Amy Brill have in common besides working at Cornell? They're all featured in the Dryden Footlighters spring musical production of "Pajama Game."

This Adler and Ross musical comedy is a light-hearted, nostalgic look at workers in "The Sleep Tite Pajama Factory" and their efforts to get a "7 1/2 cent" raise.

Dorothea Warner, who has the lead role of Babe Williams, is an executive staff assistant with the Institute for Comparative and Environmental Toxicology. This is her first role with the Dryden Footlighters but she has had many years experience with the Cornell Savoryards.

She plays Babe, the head of the grievance committee, who falls in love with Sid Sorokin, superintendent of the factory (Pat Mesmer of Dryden). Their relationship is complicated at times by the union's efforts to get a 7 1/2 cent raise.

Linda Contento portrays Mae, a shop girl and member of the grievance committee. She is pursued by Union Prez (William E. Simpson), who is quite the connoisseur of the ladies. Linda is an office assistant department.

This is also her first role with the Footlighters but she has played Aldonza in "Man of La Mancha" at Kelly's Reef Dinner Theatre in 1978 and Lola in "Damn Yankees" at the Marathon Community Theatre in 1980.

Christine Frissors has one the show's biggest number, "Steam Heat," in which she sings and dances with Amy Brill and Tony Chicchetti. Christine works in the lab of developmental psychology as a research assistant but she will be leaving this fall to attend medical school.

Diane Colf works in the Department of Poultry and Avian Sciences as a secretary. She plays one of the shop girls. She has been active with the Dryden Footlighters for a number of years and is presently on the board of directors. She appeared in "Guys and Dolls" and was featured in last fall's family show.

Another Cornellian, working in the all important job of procuring properties for the show, is Patricia Ackley who is an accounts assistant in the investment office. Her husband Allen is coproducer for "Pajama Game" as well as president of the Dryden Footlighters.

Amy Brill is director/choreographer for this funny musical. This term she is teaching a jazz dance class through the Experimental College. She has also taught aerobics and swimming with the physical education department.

Amy graduated from Cornell's College of Home Economics in 1972. She was their first independent major with a degree in creative dramatics and children's theater. She has choreographed such musicals as "Little Abner," "Carousel," and "Guys and Dolls" for the Dryden Footlighters and also directed "Harvey" in 1985. She has also appeared in the ballet scene in "Carousel" and will also dance and sing in the rousing "Steam Heat" number in "Pajama Game."

The Dryden Footlighters, now celebrating their 20th anniversary, will perform "Pajama Game" on May 2, 3, 9 and 10 at 8:15 p.m. in the Dryden High School auditorium, Route 38, in Dryden.

You can see Dorothea, Linda, Christine, or Diane for tickets (only \$5.00) or you can purchase them at the door but do come and see your coworkers perform. You'll enjoy it.



Babe (Dorothea Warner) and shop girls during the "She's Not at All in Love" scene from the Dryden Footlighters production of "Pajama Game" at the Dryden High School Auditorium May 2-3, 9-10.

(D&D Photo)

Leadership Leads

Playing the Politics of People to Win

What separates successful employees from superstars? According to Atlanta-based consultant Ken Macher, those most successful in their careers are also those most successful working with others.

In Personnel Journal, Macher identifies those skills most important in working well with others and correlates those skills with success.

In order to work most effectively, the following skills are necessary:

1. Appreciate values - your own and those of others. Uphold your own values,

but respect the fact that other have equally valid beliefs.

2. Remain focused on the goal. Reaching solutions and getting work done must take precedence over being "right."

3. Control destructive impulses. Learn not to do and say things. Recognize that you will have negative feelings, but don't act on them.

4. Do not take things personally. Give others some slack; allow them to blow up once in a while without you taking it personally.

5. Remain open to alternative solutions. Avoid committing yourself to a single solution. Allow others to participate in the problem-solving process.

6. Redefine situations. Attempt to redefine situations in such a way that solutions become apparent. It's the old question of whether the glass is half full or half empty; present things in a positive light.

7. Do not be unwisely nice. Giving in just for the sake of peace is not acceptable. Caring for people can take the form of discipline.

8. Do not involve others unnecessarily. Avoid gossip or needlessly drawing others into issues that do not concern them.

9. Understand trust. Do not naively trust everyone, and do not share sensitive thoughts until a relationship has been established. On the other hand, recognize that someone must take the first step.

10. Be gracious. Avoid giving ultimatums.

11. Seek help when it is needed. Sometimes people are simply too close to a situation to see it clearly. When that happens, call in a third party who can see things more objectively.

These tactics don't guarantee successful relationships, but they do begin placing the responsibility of the individual's actions where they belong: with the individual.

(Taken from "Nine to Five" a publication from Dartnell)

Select BENEFITS

The following information will appear regularly in Networking to inform Select Benefits reimbursement account participants of the current deadlines for submitting a claim for reimbursement.

The next deadline for claim submission for a medical care reimbursement account (pink form) or a dependent care reimbursement account (yellow form) is Monday, May 5, 1986 at 4:30 pm. Endowed employees submit claim forms to Employee Benefits, 130 Day Hall and statutory employees to Statutory Finance and Business Office, B-22 Mann Library building.

Ocelot, Ocelot, Ocelot Got

by Leona House
Ocelot got a lot of lip one day when he went the way of the lion, Lion said; listen hear cousin dear you've wandered far from your home in Texas, to the African plains you may very well never see the Alamo again. Lion spoke, wrinkling his brow, our rhino's here find ocelots dear - to snort and scare half to death, chase with glee, run, till you plea for the wide open spaces of home & nasty cowboys, tobacco spitting rednecks, dance hall floozies & red hot mamas. Ocelot stopped dead in his tracks, howled on the plains oh, carry me back to the Lone Star state I love so dear, lion dear lion, let me blow in your ear.

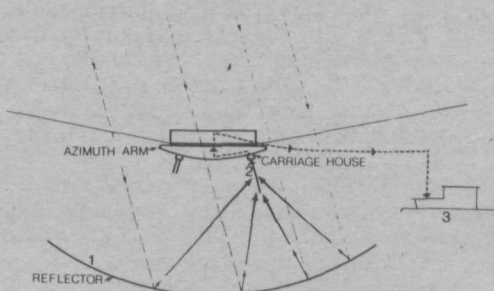
Arecibo Observatory - A Component of the National Astronomy and Ionosphere Center

The Arecibo Observatory operates the world's largest, most sensitive radio/radar telescope. Scientists from all parts of the world come to Arecibo to carry out research projects at this national observatory which is supported by the National Science Foundation and managed by Cornell University.

The permanent staff in Arecibo number 140, of which 85% are from Puerto Rico. Another 16 are employed at Cornell in Ithaca, New York.

The giant radio/radar telescope consists of three major components: a large collecting surface, the suspended receiving elements and an array of signal processing equipment. The spherical reflector (1) collects the radio energy coming from the object being studied, then concentrates it at the receiving element energy is detected, amplified and passed through cables to the control building (3) for processing and analysis.

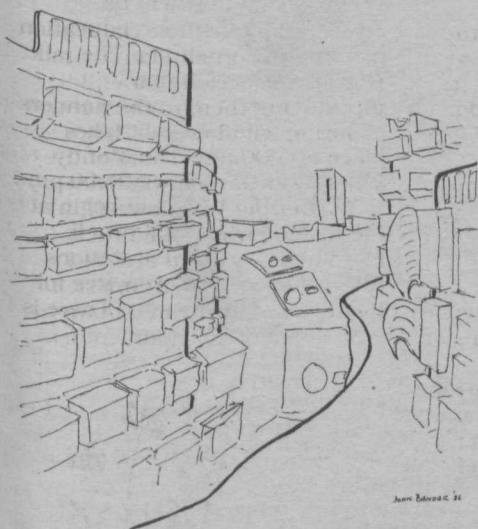
When the system is used in the radar mode, the signal path is reversed: a transmitter in the carriage house (2) sends radio energy to the spherical



reflector (1) which beams the signals toward the target object.

Unlike most telescopes, which point by moving the main mirror or reflector, the Arecibo telescope tracks celestial objects by moving the receiving elements suspended above the stationary reflector. This is done by rotating the azimuth arm and by moving the carriage house along it.

Most of the scientists who use the telescope at Arecibo are conducting experiments in one of three fields of research: radio astronomy, atmospheric science or radar astronomy.



In the Valley of Chips A Cybernetic Psalm

by Ralph Bigelow

The computer thinks it's my shepherd; I truly want.

It maketh me to lie down and cry; it leadeth me beside tapes stilled by downtime.

It restoreth my soul in manual methods; it leadeth me in the paths of system complexities in efficiency's sake.

Yea, though I walk through the valley of RRPm and PPBS, I fear much; for my SSN is with me; its digits and universality discomfort me.

Thou preparest a look-up table about me in the presence of anonymous analysts. Thou annoindest other heads with integrated reports; thy printer runneth over.

Surely inaccuracies and GIGO shall follow me in all the days of my life; and I will dwell in the files of the Machine for ever.

Unclassified Ads

Please submit all unclassified ads to Networking Unclassified, 130 Day Hall. NO PHONE CALLS PLEASE!! The deadline for the May 15th issue is May 5th. For our information, your name and campus phone number must be submitted with ads. All unclassified ads are free of charge to Cornell faculty, staff, and students. UNCLASSIFIED ADS ARE FOR NONBUSINESS PURPOSES ONLY.

FOR SALE: 1984 Chrysler Laser Turbo, automatic, air, AM/FM radio, digital dash, 15,000 miles, voice module, excellent cond. Call after 6pm 315-497-0548 or 5-6890 between 10am - 2pm only.

FOR SALE: 1978 Ford Futura, 6 cylinder, standard, \$1400. Call after 6pm 315-497-0548.

FOR SALE: Mercedes 240, diesel, 1976, very good cond., excellent mileage, many extras. Best over \$5,000. 272-4694 or 5-7434.

FOR SALE: 1976 Mustang, 4 cylinder, excellent cond., must sell soon! \$2200 OBO. 564-9375.

FOR SALE: 1975 Starfire, new timing chain, battery, water pump, rebuilt carburetor, body good, \$850 OBO (willing to trade for beef cattle). 564-9375.

FOR SALE: 1983 Ford Escort, automatic, new radials, \$3450, negotiable. 257-0359 evenings.

FOR SALE: 1978 Toyota Corolla wagon, 5 speed, good cond., new front tires, halogen headlights, starter, rebuilt carburetor. Asking \$500. Call 533-7289.

FOR SALE: 1980 Chevy Chevette, 26,000 miles, 4-door hatchback, no rust, excellent cond, automatic, new Michelin tires. Asking \$2,500. Call 257-2677 5-7pm or weekends.

FOR SALE: 1980 Datsun 210 wagon, 4 door, 5 speed, excellent shape, great car! \$1900 OBO. 277-3694.

FOR SALE: 1981 Chevette, 4 speed, excellent shape. \$1900 OBO. 277-3694.

FOR SALE: 1982 Dodge Aires, 35,000 miles, standard transmission, 1 owner, 2 door, \$3100. Call 273-0794.

FOR SALE: 1980 Plymouth Horizon hatchback, 1 owner, well maintained and regularly serviced, includes set of studded snow tires, \$1,000 OBO. Call 539-6128 7-10pm.

FOR SALE: 1979 Dodge Aspen, slant 6, 3 speed, 4 door, excellent cond., asking \$2000 but will sacrifice for best offer! Call Jane at 5-6426 or (315) 496-2117 after 5:30.

FOR SALE: 1982 Chevrolet Monte Carlo, 50,000 miles, good cond., \$5,000 neg. Call 533-7702 or 533-7562.

FOR SALE: 1978 VW Rabbit diesel, 45 MPG! Low mileage, excellent mechanical cond., new tires and snows, good body, AM/FM cassette, \$1200. 272-6520.

FOR SALE: 69 Cougar RX7, 351 W. engine (rebuilt), PW, PL, PS, PB, tilt wheel, new vinyl top, mags, stereo cassette, loaded, \$3800. 387-9029.

FOR SALE: Saab 1976 EMS runs very well, has many new parts, \$1500 OBO. Call and leave message 273-5697.

FOR SALE: 1984 Buick La Sabre Ltd. 18,000 miles, 1 owner, 48 mo. extended warranty, AM/FM cassette, loaded, sharp looking. Asking \$11,200. Best offer. 564-9374 evenings and weekends.

FOR SALE: 1977 Mercury Capri, standard, 57,000 miles, asking \$1300. Call 277-0236 after 5pm

FOR SALE: 1983 Ford Ranger pickup, 2.3L, long bed, cap, Michelins. 5-5936 or 539-7406, John.

FOR SALE: 4x4 Datsun Kingcab with many extras, must see to appreciate. Asking \$6500. Call 347-4598 after 5:30pm.

FOR SALE: 1982 Ford F100 pickup.

black, shortbox, excellent cond., (like new), low mileage, slide rear window, white wheels, white wall tires, AM/FM stereo system, 3 speed. (607) 535-4024 days or (607) 535-7886 evenings. \$4895 negotiable.

FOR SALE: 1985 Kawasaki 454 LTD, 5,000 miles, mint cond., \$1800 OBO. Call Amy 5-4837 days or (315) 497-1039 evenings.

FOR SALE: 1982 Yamaha Vision 550cc, 7000 miles, full dress, water cooled, shaft-driven, asking \$1600. call 277-3843.

FOR SALE: 1979 Suzuki 550E, low mileage, great shape, new battery and rear tire, must sell. Best offer. Doug 277-4630.

FOR SALE: "Durolite" truck bed liners, cross bed tool boxes plus other truck accessories. Call Doug at I.T.A. 277-4630.

FOR SALE: 1961 International dump truck, 5 ton, 2 speed rear axle, extra motor and body parts, excellent cond., \$3250 OBO. Bernie 5-6143 or 564-9375.

FOR SALE: Wilderness travel trailer. 1982, used twice, new cond., 25' deluxe model, sleeps 4, front living quarters include picture window, swivel arm chair, hide-a-bed, full kitchen, 2 twin beds, closet and cupboard space, full bath. Can be seen anytime, \$2,500 firm. 10 Asbury Road, Lansing, or call 277-3229.

FOR SALE: Self-contained truck camper. Ready to go! \$550. Call 272-7657 after 6pm.

FOR SALE: Viking tent camper, sleeps 6, refrigerator & stove, very clean. Asking \$400. Please Call evenings for more info 564-7786.

FOR SALE: Apartment size refrigerator, like new, \$100; dehumidifier, used 3 months, \$150. call 564-7594 after 3:30pm (keep trying).

FOR SALE: Macintosh XL, 512k expandable RAM, 400k floppy drive, 10mb hard disk, image writer printer, inc. mcwrite and mcpaint. Call 1-734-7195.

FOR SALE: Rabbit hutches. Call 257-3785 evenings or 5-1572 days.

FOR SALE: Pretty Tobiana 2 year old pony filly, well mannered, gently, good with kids, \$325 OBO; 2 yearling horse colts, one sorrel, other liver chestnut, parents on premises, \$500 each. Carol 5-8545 or 564-9375.

FOR SALE: 6 year old registered Appaloosa mare, Prince Plaudit—Buttons breeding, western or English pleasure, 15.3 h. Call 532-8346.

FOR SALE OR TRADE: Registered Appaloosa colt. Sired by Kentucky Thoroughbred, born April 13, 1985. Good looking, wonderful disposition, he is 14.3 hands now! Call 277-5791.

FOR SALE: Toastmaster Convection self-cleaning oven-broiler, \$75. Like new. Call 273-1413.

FOR SALE: Minolta XD-II blk., 50mm f-1.4 and 200mm f/2.8 Minolta MD lens, 200x flash, filters, case. All mint cond., \$575. Ask for Eric 253-5616.

FOR SALE: Nikkormat FTN camera with 50mm f/1.4 lens. Also available Vivitar 200mm and 85-205 mm lenses and a Vivitar 2800 electronic flash. 539-6286.

FOR SALE: Smith Corona "Enterprise II" portable electric typewriter in excellent cond., \$75 OBO. Tissa 253-1792.

FOR SALE: Hot water heater, natural gas, 30 gallon, 4 years old, \$40. Also, heavy plate steel wood stove, used approximately 10 times, \$150. Call 844-4151 weekdays after 7pm or weekends.

FOR SALE: Carpets, excellent quality, dark green sculptured, 10x12, \$35, 12x20, \$70; brass traverse rods for curtains \$7 each; man's custom-made suede jacket with fur lining, 40' chest, \$50; stainless steel contemporary flatware \$125; small dark wood buffet, \$130; tureen with platter and ladle, \$20; children's toys. Call 257-0833 after 6pm.

FOR SALE: New Auadram Quadboard multifunction card for IBM-PC's and compatibles. Includes 64K RAM (expandable to 384K). Parallel, serial, and game ports, clock calendar, and software, \$290. Call Dan Reynolds at 5-2170 or (607) 594-2825 after 6pm.

FOR SALE: New, Microsoft mouse with PC Paint software. For IBM-PC's and compatibles, \$150. Call Dan Reynolds at 5-2170 or 594-2825 after 6pm.

FOR SALE: Computer Monitor, like new, Taxxon amber, \$80. Call Dan Reynolds at 5-2170 or 594-2825 after 6pm.

FOR SALE: Troy-built rototiller, 6hp, excellent cond., \$900. John 5-5936.

FOR SALE: Cedar chest, 2' tall x 3'6" wide x 17.5" deep, \$100 OBO; Martha Washington style knitting table, dark wood, \$40 OBO. Call Sarah Jones at 5-4219 or 273-0833.

FOR SALE: 3-D Acoustics loudspeakers, top quality, rated a best buy, and as good as speakers costing 5 times as much. Retail price \$500, asking \$250. 257-5066.

FOR SALE: Manfield canoe, 13', wood-fiberglass, like new, \$450. Call and leave message 273-5697.

FOR SALE: Bell Tourlite helmet, like new. \$40. Eric 253-5616.

FOR SALE: Teac 2 ch. reel/reel tape deck, excellent cond., \$200 firm. 5-0998 days or 849-3634 nights.

FOR SALE: Dehumidifier for basement, in good working order. Also will pay cash or barter for your broken TV's, Radio's, Hi-fi's, etc. Michael 5-1941 days or 753 8915 evenings and weekends.

FOR SALE: Stereo turntable and AM/FM radio in 6-foot long walnut console. Excellent sound, auxiliary jacks, \$175 OBO. 5-4880 days or 838-3750 evenings.

FOR SALE: Microwave oven, large size 1 1/2 cu. ft. 650 watts, touch control, special programming plus temperature probe, Cookbook and instructions, excellent cond. \$175. Call 273-1413.

FOR SALE: Hungarian violin, 3/4, bow, case. Call 539-7222 after 5pm.

FOR SALE: Women's bicycle, good cond., \$30; "Roll away" bed, \$50. Call 277-4940 evenings.

FOR SALE: Okidata 92 printer, used little, excellent cond., IBM compatible, \$300 (Computerland price \$639; Netcom price \$449). 5-8545 or 564-9375.

FOR SALE: 2 year old 19" color TV. Paid \$479, asking \$200, works fine. Also 2 1/2 year old airtight wood stove, \$150. Has glass fireview. Call 5-2759 or 898-3347 after 6pm.

FOR SALE: Fisher airtight woodstove, heats up to 2000 sq. ft., thermostatic draft control and fireplace screen. Also available insulated stove pipe flashings and collars. 539-6286.

FOR SALE: Funk and Wagnalls Standard Reference Encyclopedia, 25 volumes, \$15; Young People's Science Encyclopedia, from Children's Press, Inc., 20 volumes, \$10. 257-1351 evenings.

FOR SALE: Camping equipment. 9'x12' wall tent, propane stove and tank, food box, etc. Call 257-1924.

FOR SALE: Artist's desk and chair, adjustable, modern and imported, brand new, asking \$125/best offer. 257-7841.

FOR SALE: 1 living room chair, 1 single bed, 1 Frigidare electric dryer, bathroom vanity with sink. Call 564-7227 after 2pm.

FOR SALE: Green couch, like new; mahogany drop leaf table; antique trunk. Call 272-6086 after 1pm.

FOR SALE: Great for a starter home or single parent situation. 3 bdrm modular in quiet park, Dryden schools, includes appliances, enclosed patio, swimming pool. Available early June, \$21,500. 5-4880 days or 898-4409 evenings.

FOR SALE: Mobile home, 1971 Detroit 12'x60', two bdrm, good cond., well taken care of, must move. Asking \$6800 negotiable. Call (607) 533-4587.

FOR SALE: 1973 Suncrest 14x65 mobile home, 2 bdrms, large living room, kitchen comes with storage shed and small deck, excellent cond., set up in Etna park. Asking \$9500 negotiable. Call 347-4598 after 5:30pm.

FOR S owner, 3 bdrm. ranch. Wood stove, full basement, one acre, 10 miles to Cornell. \$44,900. Call 533-4804.

MOVING SALE: Leather chair, kitchen table, entertainment center, suede jacket, dresser, B&W TV. Call 533-4804 for details.

MOVING SALE: Montgomery Ward rotary mower, used 3 times, \$175; brown mix carpet w—pad (9x12), \$100; oval blue-green carpet w/pad (8/10), \$50;

dining table, maple w/2 benches and 2 chairs, \$50; entertainment center, \$20; double burner gas grill, \$50. Call 539-7336 evenings/weekends.

WANTED: Children's stroller-for-two, must be in excellent cond. If you have one for sale, please call Dot at 5-7747 or 272-4271.

THANK YOU: To all who placed a vote for me in the recent Employee Assembly elections, I give my humblest of thanks and again promise to do my best to issue your concerns in the Assembly. Respectfully, Dean L'Amoreaux, Statutory Nonexempt

(Continued from Page 2)

Suicide Prevention and Crisis Service - 272-1616 (24-hour telephone counseling service).

Tompkins County Mental Health Center - 274-5422 days, 274-4411 nights and weekends.

People in these offices can assess and monitor the situation and take whatever action may be necessary to ensure the person's safety. If you have reason to believe someone is considering suicide, it is best to alert professionals on campus before there is a crisis. And remember that these resources are available not only to others but also to you for consultation and support.

In order to be better prepared to handle suicidal threats and other crises, Psychological Service also offers a course in crisis intervention each semester through the Experimental College.

In addition, staff members are available to teach crisis intervention for those in dormitories, clubs, or other interested groups on campus.

Consider carefully the advice given in this article: The life you save may be a friend's.

Joyce Marsh is a psychiatric social worker in the Psychological Service at Gannett Health Center.

Employee Calendar

Events of Particular Interest to Cornell Employees

Thursday, May 1. Breakfast with President Rhodes. Call the Assemblies office at 5-3715 for details.

Wednesday, May 7. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

Saturday, May 17. CRC Vernon Downs trip. Call the CRC office at 5-7565 for more information.

Wednesday, May 21. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

Wednesday, June 4. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

Saturday, June 7. CRC annual picnic. Call the CRC office at 5-7565 for details.

Monday, June 9. Cornell service awards banquet. Call the personnel office for more information.

June 13 - 15. CRC Deep sea fishing trip to Seabrook, NH. Payment due by May 15. Call the CRC office at 5-7565 for more information.

Wednesday, June 18. Employee Assembly meeting; held in Roberts Hall, Room B-8 at 12:15. All employees welcome.

August 14 - 17. CRC Toronto trip. Call the CRC office at 5-7565 for more information.

Saturday, September 20. Employee Day. Cornell vs. Princeton game. Call Peg Landau at 5-6894 or George Peter at 5-5274 for details.

Networking Deadlines

1986 Deadlines

May 5 for May 15
May 19 for May 29
June 2 for June 12
June 16 for June 26
June 30 for July 10
July 14 for July 24
July 28 for August 7
August 11 for August 21
August 25 for September 4
September 8 for September 18
September 22 for October 2
October 6 for October 16
October 20 for October 30
November 3 for November 13
November 17 for December 4
December 8 for December 18 (holiday issue)

Editorial Board

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