

Cornell Chronicle

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Thursday, May 12, 1983

Library Associates Seeks to Double Membership

The university's Library Associates is launching a "quiet campaign," in the words of its new chairman, M.H. Abrams, the Class of 1916 Professor of English, "to double its current membership of some 600 over the next few years in an effort to help with an 'ominous situation' facing Cornell libraries."

While alumni and friends of the university have comprised most of the associates'

membership since the group was organized in 1941, faculty, parents and even students are also primary targets of the current membership campaign.

Abrams, whose own writings—including "The Mirror and Lamp," a modern classic of literary criticism—are significant holdings for any library, discussed the library in a recent interview.

"We have a tendency to take Cornell's

magnificent library for granted, as if it were a natural phenomenon that will, of its own impetus, continue indefinitely. Of course that has never been the case, and it is questionable now more than ever because of the convergence of three factors, with an intensity never seen before in history."

He cited the explosion of printed materials, the inflationary costs of these materi-

als, and a third, insidious factor that is just beginning to be understood by the general public—the mounting deterioration of books and other items in existing collections, particularly books printed since 1870.

Abrams explained that sulphates used in the manufacturing of paper since the latter half of the 19th century are causing books literally to disintegrate on the shelves of libraries throughout the world. Books used only a few times in the past 100 years will actually crumble in a user's hands when finally opened.

The deterioration is so acute in books printed since 1950 that they are not expected to last 50 years, according to experts. Corrective measures are being taken, but they are costly and time consuming, he said.

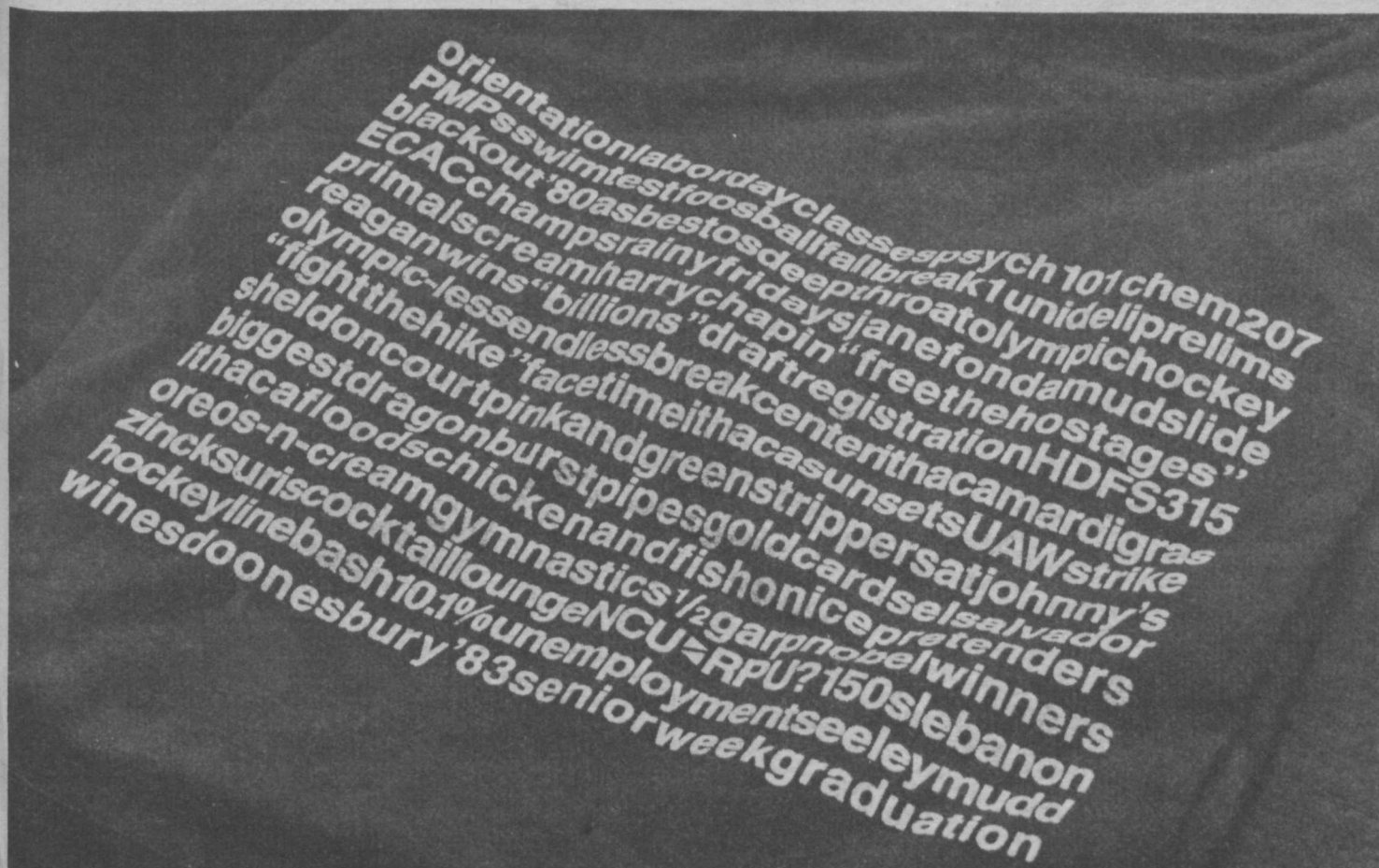
"Needless to say," Abrams said, "with these kinds of problems facing us, it is going to take the combined efforts of a great many people to maintain the library at its present excellence, not to mention meeting the current and future needs of scientific research and humanistic scholarship."

But this is not the first time the Cornell libraries have faced a crisis. The Library Associates was founded as part of the university's response to what President Edmund Ezra Day described as the "ominous situation of the library" more than 40 years ago. Abrams cited Morris Bishop's assessment of that situation in his "History of Cornell."

"Since the First World War, Cornell's position relative to other university libraries had steadily receded. Everything about the Library was inadequate—the storage, working and reading space, the insufficient, underpaid staff, the care of rare books, the services to undergraduate readers and to researchers. The Librarian, Otto Kinkeldey, speaks of 'the growing feeling of despair on the campus at the apparent retrogression in library development.'"

After World War II, however, Cornell gradually recovered its status as one of the great university libraries. Abrams said that "While today most everyone would

Continued on Page 11



From Orientation to Graduation, this t-shirt has the words strung together in a way that will evoke memories for members of the Class of 1983. The shirts were being sold last week outside the Straight.

University's 115th Commencement Sunday, May 29

The university's 115th commencement day ceremonies Sunday, May 29, will feature addresses by:

—Cornell President Frank H.T. Rhodes at the 2 p.m. graduation exercises in Schoellkopf Stadium;

—The Rev. David H.C. Read, minister of The Madison Avenue Presbyterian Church in New York City, at the 10 a.m. Baccalaureate Service in Bailey Hall;

—Brig. Gen. Robert I. McCann, vice commander, 9th Air Force, Tactical Air Command, Shaw Air Force Base, at 8 a.m. ROTC commissioning ceremonies in Alice Statler Auditorium.

In case of inclement weather the outdoor graduation exercises at Schoellkopf will take place in three separate sites on campus with President Rhodes speaking at each one in succession. Announcement of the cancellation of the outdoor ceremonies will be made over local radio stations no later than 10 a.m. Sunday, May 29.

In case the outdoor ceremonies are canceled, indoor services will be held at the place, time and for the degree groups:

—Lynah Rink, 1:45 p.m., Architecture, Art and Planning, Engineering, Human Ecology, Industrial and Labor Relations, and Graduate School (Masters).

—Barton Hall, 2:10 p.m., Agriculture and Life Sciences, Arts and Sciences, and Hotel Administration.

—Bailey Hall, 2:45 p.m., Business and Public Administration, The Graduate School (Doctors) and Veterinary Medicine. More than 20,000 spectators can be accommodated and are expected at the outdoor ceremony, which will be canceled only in case of heavy rain. The seating for spectators indoors is limited to three per degree candidate.

A total of more than 4,400 bachelor and advanced degrees will be conferred. During

the ROTC ceremonies, in which President Rhodes will take part as he will at the Baccalaureate Service, 72 commissions will be awarded—30 Navy, 28 Air Force and 12 Army.

This year special parking and bus service has been arranged for the mobility impaired at a parking area immediately behind (East) of the Crescent at Schoellkopf. Vans will make shuttle trips through the south entrance of Schoellkopf to an area reserved for those persons.

Graduates who wish to make parking

Arecibo 'Eyes' New Kid in Town

The radar signals of Cornell's Arecibo Observatory will be directed today toward a new visitor to the solar system, the recently discovered Comet IRAS-Akari-Alcock.

"We will be investigating the cometary nucleus to determine its size and composition," according to Tor Hagfors, professor of electrical engineering and director of the National Astronomy and Ionosphere Center, which operates the Arecibo Observatory under contract with the National Science Foundation. Donald B. Campbell, director of operations at the world's largest radio-radar astronomy facility, is heading up the comet study.

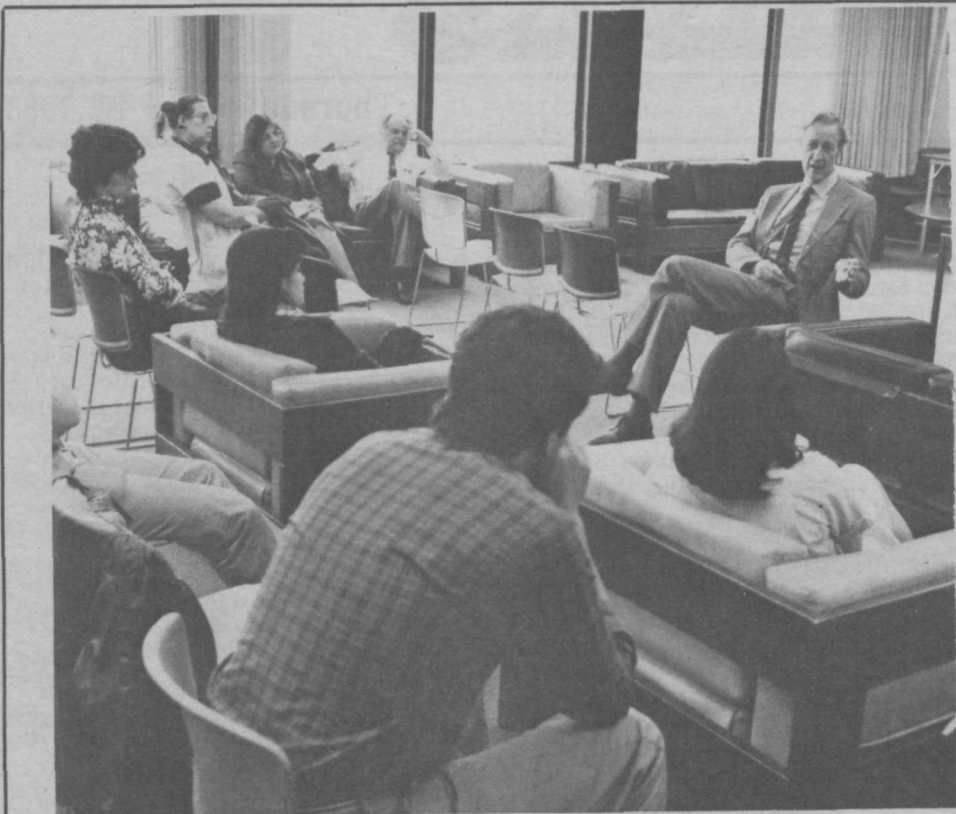
Cornell astronomers last Friday began determining the orbital elements of IRAS-Akari-Alcock. Expected to pass within 2.9 million miles of Earth, this is the closest comet approach since 1770.

arrangements for members of their families should contact the Commencement Committee at 256-5454, Ext. 2715, before May 23.

Since 1889, Cornell's commencement address has been given by the university president, with just five exceptions. Honorary degrees have been given only twice, both in 1886. They went to Andrew Dickson White, Cornell's first president, and to David Starr Jordan, an alumnus who became the first president of Stanford University.

Music for the ceremonies will be provided by the Cornell Glee Club and Chorus, under the direction of Thomas Sokol, and by the Cornell University Wind Ensemble, conducted by Marice Stith. The Baccalaureate service is in honor of retiring faculty and staff as well as graduating students. It was revived two years ago after a 14-year hiatus as an interreligious service under the sponsorship of Cornell United Religious Work and the Dean Sage Sermon Fund.

This year's principal speaker is heard regularly over The National Radio-Pulpit and has been described by Time Magazine as "one of the finest preachers in the country." He is the author of many articles and more than 25 books.



At a brown-bag lunch for employees at a lounge in Uris Hall last week, President Frank Rhodes responds to a question.

EARS Is Empathy and Help For Many Student Problems

By MELISSA COOK

"Many people confuse EARS with a suicide hotline, but much more often, calls are from a typical student who has run up against something he or she can't handle like a pile of dirty dishes in the sink or a break-up with a boyfriend or girlfriend," said Casey Carr, Empathy, Assistance, and Referral Service advisor.

To meet growing interest, the Cornell-based counseling service has recently increased its hours and began a new outreach program which sends counselors into the Cornell community to conduct seminars and workshops.

The number of counselors assigned to each EARS shift has been increased from two to three, according to Carr, and clients can either call the service or go to the walk-in office which is located in Willard Straight Hall, one floor below the Ivy Room.

The new outreach program started, Carr said, when dormitories and fraternities and sororities began asking EARS to present workshops in areas such as communication skills, self-esteem, sexuality, assertiveness and decision making.

"Cornell does a good job answering the academic needs of students, yet so much of happiness is interacting with others. Workshops teach skills for all interaction, be it

with family, friends or work associates," said Carr.

The outreach program began as a one-person operation in February, and it has expanded to an eight-person outreach team. "It's really gone like wildfire," Carr said, "and the calls just keep coming in."

The EARS outreach program will probably continue to grow, according to Carr, because the interest is present in the Cornell community, and because the workshops provide opportunity for qualified counselors without counseling shifts to stay involved in the EARS program.

EARS counselors are trained in a two-semester program that culminates in a practical exam testing their skills at relating to others. Carr says that the trainees learn to have complete respect for the people who call and to help them solve their own problems with client-centered counseling skills.

Through the training program, students gain not only the basic skills of counseling, but also an understanding of social problems like homophobia, racism and pressure to perform academically that cause people to turn to EARS, according to Carr.

"The practical exam is very difficult to pass," Carr said, "but it has to be because anyone on duty could get a call from a

Continued On Page 8

Upstairs Gallery Displays Recent Jason Seley Work

The most recent work by Jason Seley, internationally known sculptor and dean of the College of Architecture, Art and Planning, is on display through the month of May at The Upstairs Gallery in the DeWitt Office Complex, downtown Ithaca.

The work, done in Seley's favorite medium, car bumpers, is the first of a series of 11 being created to record the books he read in each year from 1938 through 1948.

Each work is a variation on stacked books and has the exact number of faces to represent each book read during the year depicted. The books and their titles are listed on the pedestal of the work.

The sculpture on display at the Upstairs Gallery is of 1938 when Seley recorded having read 26 books, including such works as Thomas Wolfe's "Look Homeward, Angel," and "Ten Days that Shook the World," by John Reed.

The sculptures in the series vary from 20 inches high for "1938" to five feet high for 1947.

Because of a recent illness and the press of his administrative duties, Seley has

designed the works in his office at Cornell since the project first got underway in December.

In the tradition of master sculptors going back centuries, Allen Mooney, a 1979 graduate of Cornell with a masters in fine arts, has been fabricating the works in Seley's studio following early morning consultations each day with Seley, at least Monday through Friday. Sometimes they work on Saturdays and Sundays, Mooney said, "when Jason is particularly hot on an idea."

Seley's sculpture has received international acclaim for his unique use of automobile bumpers. His work is included in the collections of the Whitney Museum of American Art, the Museum of Modern Art, and many other museums and public institutions. His recent statue "Herakles in Ithaca I," a gift to Cornell, and an earlier work "Collioni II," now in the New York State Collection in Albany, are similar in that both are interpretations of large-scale classic sculptures.

Financial Data Show Little Change in Fund Balances

Based on data for the first three quarters, the university expects to end the current fiscal year (July 1, 1982 through June 30, 1983) with minimal change in current fund balances, University Controller John S. Ostrom has announced.

Total revenues, expected to top \$540 million, are basically on target, Ostrom said. "Shortfalls in projected levels of indirect cost recoveries associated with sponsored research have been offset by increased income from gifts and tuition, the latter due to minor shifts in anticipated enrollments. All three divisions (endowed Ithaca, statutory units and the Medical College) anticipate modest improvements in operating results over original budgets."

None of the changes occurring in the past quarter will have material impact on the year's operating results, the controller said. The university's utilities plant is expected to show a significant increase in operating reserves, he said, but these increases have been taken into consideration in establishing utility rates for the next fiscal year.

Reflecting increased gifts as well as a rapidly rising stock market, the university endowment and similar funds reached an all-time high March 31 of \$441 million. Ostrom pointed out that only 11 percent of

this total can be spent for unrestricted purposes, and, once spent, no longer produces investment income for current operations. The balance of the endowment and similar funds must be kept invested in perpetuity, consists of securities with limited marketability or contains some combination of these restrictions.

Cornell's Long Term Investment Pool, which operates like a mutual fund, reached an all-time high of \$30.23 market value per share, up 7 percent since Dec. 31 and 31 percent since the beginning of the fiscal year. The Short Term Pool, which holds the university's cash balances, also topped previous levels, reaching a total of \$104 million on March 31.

Expenditures for externally sponsored research and related recovery of indirect costs are down slightly from last year at both the Medical College and the statutory units," Ostrom said. "Research volume and indirect cost recovery rose slightly for endowed Ithaca. While this reflects a continuation of the trend noted in the second quarter, there are some signs the decline in research volume is bottoming out. However, it appears unlikely that there will be a return to the 10 percent or greater increases of recent years."

Jobs

The following job openings are new this week. For information on vacant positions listed in previous issues of the Chronicle, contact Personnel Staffing Services, 130 Day Hall. Cornell is an affirmative action employer.

Administrative/Professional
Research Support Specialist II (Div. of Nut. Sci.)

Systems Analyst II (Preventive Medicine)
Administrative Supervisor II (Building & Grounds Care)

Executive Staff Assistant I (Graduate School)
Administrative Manager I (HD&FS)

Clerical
Secretary, GR19 (History of Arch. and Urban Dev., City & Regional Planning)

Secretary, GR18 (University Development)
Secretary, GR18 (Equine Drug Testing & Research Prog.)

Office Assistant, GR16 (Univ. Health Services) (2)

Accounts Coordinator, GR22 (Controller's Office) (Accounting)

Administrative Aide, GR21 (Univ. Health Services)

Administrative Aide, GR21 (Veterinary Administration)

Secretary, GR20 (Public Affairs Regional Offices, Wellesley, Mass.)

Secretary, GR18 (Ecosystems Research Center, Center for Environmental Research)

General Services
Animal Attendant, GR17 (Avian & Aquatic Animal Medicine, Duck Research Lab. Eastport, LI, NY)

Nurses Aide, SO17 (University Health Services)
Custodian, SO16 (Buildings and Grounds Care) (4)

Technical
Assistant Environmental Safety Tech., GR20 (Env. Health)

Technician, GR20 (Division of Nutritional Sciences)

Animal Technician, GR18 (Veterinary Microbiology)

Academic
Lecturer (Philosophy Department)

Lecturer or Teaching Associate, Italian (Modern Languages and Linguistics)

Research Associate, Dairy Records Processing (Animal Science)

Lecturer (Human Service Studies) (Fall 1983 and Spring 1984)

Specialist, Sea Grant (Coop. Extension, Rockland County, NYC) (Limited term one year)

Extension Associate, Fruit Program (Lake Ontario, Monroe or Orleans Counties)

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Douglas Gale, director of decentralized computer services for Cornell Computer Services, demonstrates a new IBM Personal Computer to President Emeritus Dale R. Corson and Nancy J. Hutter, administrative secretary at the Materials Science Center.

Virtual 'Explosion' in Use Of Computers on Campus

"Explosion" is the term you hear and that is probably the best way to describe what has happened to computer use on the campus this spring, according to Kenneth M. King, vice provost for computing.

Select just about any measurement you can think of and computer use this term has broken all records, he said. Not only that, but it has exceeded the expectations King had when he arrived on the campus three years ago. At that time he predicted an annual growth rate of 15 percent and this year alone he figures it has surpassed 30 percent.

King credited the explosion to the fact that "we are in the middle of a computer revolution caused by the availability of low-cost personal computers. The revolution has captured the imagination of students who want to be part of the action."

The list contributing to the growth phenomenon is a long one. King cited numbers of computers on campus, computer terminals, and public facilities, courses teaching about computing, courses using the computer, and students in courses, as well as the amount of computing done by individual students as some of the expanding areas.

The first week of May—the last week of classes—should have dispelled any doubts about what has been happening in computing, he said. Computer Services experienced the heaviest demand on its facilities that week since computing was introduced to the campus in the 1950s.

Here are examples. The Upson Hall terminal had 63 students waiting to get on the computer at one time on May 2, the afternoon before a major assignment was due in Computer Science 211. And that happened despite the fact Computer Services had added 10 new terminals at Upson during the spring semester and instituted a new queueing system to reduce the waiting time for a terminal at the public facilities, according to James Manning, in charge of terminal operations for Com-

puter Services. "But what can you do about crowded terminals," he asked, "when 500 students in a computer science course have assignments due the following day?"

At least six other large enrollment courses also had end-of-the-semester assignments due last week bringing the number of people logging on to Cornell's large IBM and DEC computers to an all-time high. Students in Agricultural Engineering 304 crowded the terminals and printers on last Wednesday to complete assignments due Thursday in spite of a warning. In mid-March they received a handout with a list of computer assignment due dates for large courses with this handwritten advice: "Start Work Early!! You will not believe what the last week of the semester is like at the terminals." One observer's comment: "They found out."

One of the areas of most explosive growth has been in word and text processing, King said. For instance, Computer Services began issuing accounts to graduate students writing theses in 1981 as part of a program called CUTHESIS. Last spring 150 students were using these accounts and now the figure has jumped to more than 700.

Other measurements give further evidence of the dimensions of the computer explosion. There are now almost 225 terminals (including Terak microcomputers and IBM displaywriters) available for public use. "That's more than a one third increase over last spring," King said.

Estimates on the number of microcomputers on campus start at 400, and go as high as twice that many.

King doesn't see any immediate slowdown in this explosive rate of growth. He looks for graphics to show the most growth, pointing to its applications for every discipline. "Word processing remains a major unmet need," he said, "and we haven't even begun to tap the possibilities for using statistical packages or to use bibliographic retrieval systems."

Students Find All Sorts of New Uses for Computing

By Amanda Hor

Computer services at Cornell are being used by an increasing number of students and faculty members, even ones who appear to be the least likely candidates.

"Getting familiar with the computers was one of my biggest accomplishments here," said Connie Adams, a senior studying wildlife sciences in the Department of Natural Resources.

Connie said she was told by friends that computers were useful in any field, but she believed that she was one person who did

not need computers. She pictured herself working with animals and living in a cabin in the woods.

"I must have been the most anti-computer person around," said Connie.

"I thought of computers as the automation of society, taking over the world. I was going to be the last holdout."

Connie is now an enthusiastic advocate for the computer after learning Script (word processing) and Minitab (statistical analysis) last semester.

"It was definitely one of the best things I

did last semester," she said. "I really feel as though I've learned something. Working on a computer is something everyone should try. It's really not that hard. If I could do it, anyone can."

"But it took a lot of persuasion to get me started."

It was Connie's friend, Steve Sather, a member of Computer Services' staff, who convinced her to try.

"I had so much writing to do last semester," said Connie. "I was working on an honors thesis and also had five other papers to do. Steve kept insisting that it would be so much easier on the computer. I decided to give it a try."

"I was really terrified at first. I was scared to touch those keys and I went really slowly. But somehow Steve, the computer, and I got through two afternoons together. It was worth those two sunny afternoons indoors. Computers are the neatest things!"

"With word processing it's easy to make changes. Correcting misspelled words, adding text, even moving paragraphs around are simple to do. It saves a lot of time with corrections and revisions. Revisions are no big thing now. The computer is especially forgiving if you're a poor typist. No more bottles of whiteout! It can even check your spelling."

"The improvement in my papers has been incredible. Besides, I don't have to worry about losing papers or having professors lose them—they're stored in the computer."

In working on her honors thesis on the Redwinged Blackbird, Connie uses Minitab. "Minitab runs statistical analysis on

your data," she said. "I wanted to find out what and how much nestlings eat and to compare the weights of the food against different variables, such as the age of the nestling, the number of nestlings there are, and the survival of the nestlings. Minitab is simple to use. It can do things like standard deviations, linear regressions and graphing of your data. It also saves time in calculations. Something like dividing one variable by another can be done with one command. If I would have had to use a calculator, it would have taken forever."

Connie said that taking her own notes while learning on the computer was extremely helpful.

"You aren't going to remember everything. You aren't going to remember how to correct a particular mistake. It's going to be a lot easier to understand your own notes rather than to try to decipher computer books."

"Now I'm the one encouraging friends to try computers instead of the other way around. There are so many advantages and conveniences, and it's fun."

"I'm glad I was persuaded. Now, when I'm able to help someone else at the computer terminal, I realize how much I've accomplished, and it feels good."

Some faculty members need convincing about the value of the computer and sometimes with interesting results.

Last March 2 when computer use (unknown to him) was setting new records, Richard B. Fischer of the department of education scheduled early evening instruction for an environmental writing class on

Continued on Page 8

New Computer Comes on Line

To help meet the growing demand for computing on the Cornell campus, current plans call for the installation of a new IBM computer and at least three new terminal facilities, according to Vice Provost Kenneth King.

Robert Cowles, who is in charge of systems programming for Computer Services, describes the acquisition of the new IBM 3081D as moving two steps forward. It will replace an IBM 370/168 which has been in use since 1974 and an IBM 4341 now being used for administrative computing. It is also scheduled to replace the 4341 being used while Computer Services is in the process of converting to a new batch system (MVS). The new machine is designed to be upgradable so that it will remain current until the 1990s.

The 3081D comes with two processors and each processor is twice as fast as the 370/168, he said. These processors will

provide twice the channels and twice the memory that is available on the 370/168.

Present plans call for the 3081D to run parallel with the existing machines it will replace so there will be no disruption of service. The last day the 370/168 will be in use will be July 23.

Not only will the 3081D increase computing capacity and support more users on campus, but it will also reduce operating costs by an estimated \$400,000, King said.

Gordon L. Galloway, director of academic computing, is currently working on plans to install 60 new terminals by the fall of 1983. Sites already selected to house 16 terminals each are Sibley, McFadden, and Clara Dickson halls. King feels it is particularly important to get terminals installed in dormitories for the convenience and safety of students during the late-night hours.

Fellowship Honors Teacher of Cornellians

A love of learning kindled 40 years ago in an Ohio schoolboy is burning brighter than ever today with the awarding of the first Harriet Davis Graduate Fellowship in Applied Mathematics.

For Miss Harriet Davis, teacher of mathematics for 43 years at Washington High School, Massillon, Ohio, this is a day of reunion with three former students now on the Cornell Faculty and with a fourth, whom she encouraged to take the college entrance exams and who went on to found the Hickory Farms chain of stores.

For Donald P. Berens, a 1942 graduate of Washington High School and of the Cornell Class of 1947, and his wife Margaret, today marks an opportunity to pass along the remarkable Miss Davis' love of learning in a material way with the fellowship they have endowed.

And for Deborah Dawn Mason of Middlefield, Conn., today is the day she officially receives the fellowship award and meets the teacher who started it all.

A busy day awaits the 94-year-old Miss Davis, who will tour the campus and view a demonstration of the Computer Aided Design Instructional Facility (CADIF) in Hollister Hall. At a dinner this evening at the Andrew Dickson White House she will be the guest of Cornell President Frank

Rhodes and three former students: Professor of Geological Sciences Jack E. Oliver, Professor of Industrial and Labor Relations John F. Burton, Jr., and Professor of Plant Pathology R. Kenneth Horst.

In her years at Washington High, Miss Davis also taught John Burton's mother. She was known as a "tough" teacher who encouraged and expected her students to do their best, according to Professor Horst, who even considered a career in mathematics.

Donald Berens wanted to join the military until Miss Davis persuaded him to try college. He attended Ohio State, enlisted in the Marine Corps, then came to Cornell in 1945 under the V-12 program. After studying civil engineering, Berens transferred to the College of Arts and Sciences, where he earned an A.B. degree in economics. Active in alumni affairs, including fundraising efforts in the Rochester area, Berens is an alumni member of the University Board of Trustees.

The fellowship, which provides tuition and an annual stipend, will be awarded each year to an outstanding student in a graduate field of engineering in which mathematics is applied to important technological problems.



HARRIET DAVIS

Plantations Plans Weekend Open House

Daffodils, purple trilliums, skunk cabbage, and violets have all popped out of the earth and bloomed. Green is emerging on all the bushes and trees, and the cheerful yellow of the forsythia holds forth even on days when the sun refuses to appear. People, too, are responding to the warmer weather, shedding their winter gear and coming out of doors to enjoy the warm breezes and greater freedom of movement.

In celebration of the return of the spring season, Cornell Plantations will sponsor its second annual open house, Saturday and Sunday May 21-22 from 1 to 3:15 p.m.

During the open house buses will circulate through the F.R. Newman

Arboretum which should have hawthorn, horsechestnuts, dutzia, mountain ash, lilacs, roses, the fringe tree, kousa dogwood, and viburnums in bloom. Each bus will make a stop at the Mundy Wildflower Garden where people can take a brief guided tour of a section of this eight acre naturalistic garden with its dozens of blooming species.

After the half-hour tour, visitors can reboard the bus which will let them off next at Plantations headquarters where they can either wander, or join another guided tour, this time of the colorful rhododendron collection, which will be in its fullest glory, the peony garden, which will be starting its colorful display, the rock garden, the

ground cover collection and the herb garden. Visitors will be able to shop in the new Book and Gift Shop, learn about Plantations memberships, question the "plant doctor" about plant problems, and spend the afternoon enjoying one of the area's loveliest settings.

All bus tours will begin and end at the Cornell B parking lot which is located on Route 366 across from the Cornell Orchards. Parking will not be available on Cornell Plantations grounds during the Open House.

For more information write or call Cornell Plantations, One Plantations Road, Ithaca, New York 14850, 607-256-3020.

Minority Education Hearing Planned

Faculty wishing to express their views to the University Board of Trustees Subcommittee on Minority Education at hearings scheduled from 9 a.m. to 5 p.m. Friday, May 27, on campus should make appointments with staff assistant for the subcommittee, Janet Smith-Kintner at the Learning Skills Center, 375 Olin Hall, telephone 256-6311.

The appointments will be scheduled in

the Taylor Room of Statler Hall.

The subcommittee has already conducted hearings with students and staff in its efforts to carry out its charge from the Board of Trustees last January to examine and suggest ways of improving the quality of education for minority students at Cornell.

The subcommittee is concerned with recruitment, admissions and financial aid

policies, support services, student retention, and the human relations atmosphere on campus. The committee is expected to report to the Trustees Academic Affairs Committee by January.

Written comments from faculty also will be accepted by the committee, which will treat all comments as confidential. Comments should be sent to Smith-Kintner.

Faculty to Consider Affirmative Action

A regular meeting of the Cornell University Faculty has been rescheduled for 3 p.m. Wednesday, May 18, in 120 Ives Hall, to honor retiring faculty. In addition, the faculty will consider a resolution to nullify a resolution by the University's Faculty Council of Representatives recommending that the university administration include the following sentence in its Academic Appointment Manual:

"In accordance with the University's commitment to racial, ethnic and gender diversity in the education experience, it is appropriate and desirable that affirmative action considerations also be taken into account in the evaluation of faculty for tenure and promotion."

After extensive debate on the proposal at the April 13 meeting of the FCR, the resolution offered by the FCR Committee on Minority Education, passed by a 35 to 22 vote.

According to Dean of Faculty Kenneth I. Greisen, 53 faculty members have signed a petition calling for the University Faculty

as a whole to reconsider the FCR action.

James M. Burlitch, professor of chemistry, who circulated the petition, opposed the resolution during the debate at the FCR meeting, arguing that while he

Publications Win in CASE Competition

A number of publications produced by Cornell's Office of University Publications have been awarded outstanding citations in a national competition sponsored by the Council for the Advancement and Support of Education CASE is a professional organization with members in more than 2,000 colleges and universities in the United States and Canada.

In announcing the CASE awards Kelvin Arden, director of university communications, said they reflect continued standards of excellence maintained by the Publications Office. Dorothy Pasternack, director of University Publications, said that this is the fourth time that Cornell has won the highest award of Exceptional Achievement for the total publications program, based

was in favor of the spirit of the resolution he felt that promotion decisions should be made exclusively on the traditional criteria of teaching, research and service to the university.

on a portfolio of 10 pieces that represent the work of every staff member.

Significant individual recognition was given Sally Dutko, who was named a designer of the year by CASE. In addition, three publications designed by Dutko were singled out for awards. They are the 1983 Summer Session Announcement, the 1982-83 Cornell Calendar, and Libraries at Cornell, which was noted for excellence as a low-budget publication.

An exhibition catalog of the works of John Hartell, designed by Claude Schuyler for the College of Architecture, Art and Planning, was given a Special Citation in competition with 850 other entries.

Aetna Plan Information Is Mailed

All endowed faculty and staff who are presently covered under the current endowed health insurance plan are receiving informational packets from Employee Benefits regarding the change to the Aetna Life Insurance Co., the new health care insurance carrier. The packets were mailed this week to the homes of eligible participants. Any current participant who has not received one by Monday should immediately contact Employee Benefits at 256-3936.

The informational packets will include a claims packet, a question and answer pamphlet, a summary of benefits, an enrollment card and a return envelope. Participants should carefully check the information on the preprinted enrollment card, complete all appropriate sections, sign it and return the card to University Personnel Services before Wednesday, May 25. Failure to return the card by that date may cause an interruption in coverage.

Informational meetings, at which representatives from University Personnel Services and Aetna will be present are scheduled for the week of May 16.

• Monday, May 16, 2:30-3:30 p.m., 110 Ives Hall;

• Tuesday, May 17, 7:30-8:30 p.m., 110 Ives Hall;

• Wednesday, May 18, 10-11 a.m., Bache Auditorium, Malott Hall;

• Thursday, May 19, 2:30-3:30 p.m., 110 Ives Hall, and

• Friday, May 20, 10-11 a.m. Bache Auditorium, Malott Hall.

The change to Aetna was made after an extensive bid process conducted in an effort to find a carrier who would continue current health insurance coverage while providing improved service and convenience to employees.

The change, according to Samuel Gruenbaum, manager of employee benefits, should provide several advantages which include direct claim filing, increased convenience, improved service, faster payment of claims, more efficient resolution of claim problems and increased confidentiality.

With direct claim filing, claims will no longer need to go through University Personnel Services. They can be mailed directly to the Aetna office in Syracuse, thus providing employees with increased confidentiality, according to Gruenbaum.

Another advantage in changing to Aetna is that employees will only have to file claims with one company. Currently, employees file claims with two separate companies for most charges—Blue Cross or Blue Shield and Prudential. With Aetna, eligible charges not paid in full by the basic coverage will automatically be processed under the Aetna major medical coverage.

Also, Cornell claims will be handled by a specific group of Aetna employees who will be familiar with the provisions of Cornell's plan, as well as the billing procedures of local hospitals and other health care providers used most often by Cornell employees. A local toll free telephone number, 257-2111, is being provided for Cornell participants to obtain claims information. The phone number will be operational effective July 7, when the plan goes into effect.

In addition, Aetna's cost containment program can help hold down spiraling increases in the cost of health coverage, according to Gruenbaum.

Several improvements in benefit levels were made to assure efficient plan administration.

• The extraction of impacted, unerupted wisdom teeth will be covered under oral surgery.

• Psychotherapy charges will be reimbursed at the rate of 80 percent for up to

Continued on Page 8



Michio Kunimasa, left, chief editor of the Museum of Modern Japanese Literature in Tokyo, adjusts what is believed to be the only copy of the earliest Japanese Protestant hymnal in existence.

'Phantom Hymnal' Is Here

Two officials from the Museum of Modern Japanese Literature in Tokyo flew nearly 7,000 miles to campus this spring to photograph what is thought to be the only copy of the earliest Japanese Protestant hymnal in existence.

Known as the "phantom hymnal of 1873," the book has been in Cornell's possession since 1914. But it was only in 1978 that a visiting Japanese scholar, Professor Ishikawa Kazuo of Kunitachi University in Tokyo, suspected the hymnal to be one secretly published in 1873, a year before the lifting of the edict against the promulgation of Christian texts.

The work photographed at Cornell by Michio Kunimasa, chief editor at the museum, and museum photographer Komshi Koba, contains the Ten Commandments and the Lord's Prayer in addition to 16 hymns. It is substantially different from the Japanese hymnals published in 1874, after the edict was lifted.

The Japanese spent a week photographing and studying every detail of the hymnal, including the exact kind of paper and ink used, in preparation for making a limited edition of facsimiles for distribution to Japanese museums, libraries and scholars.

The Tokyo museum presented Cornell University Libraries with 151 volumes of facsimiles the museum has produced of rare Japanese literary works dating from the 1860s.

The "phantom hymnal" was among nearly 500 items donated to Cornell's library by William Elliot Griffis, minister of the Congregational Church in Ithaca in the early part of this century. He had acquired an extensive library of Japanese books, periodicals and maps, in the 1870s, while working as a science teacher in Japan.

Small Village with Bad Water Gets Some Help from Cornell

What is a small village of 2,000 residents to do when it discovers its water is seriously contaminated?

Because it is a community's responsibility to provide safe drinking water, it must either heavily tax its few citizens with costly bonds, or go bankrupt hiring consultants and engineers and purchasing water from other localities.

This is the problem Clifton Springs, New York, in Ontario County, had confronted since 1971 when it found nitrates levels in its water consistently exceeding state guidelines.

The problem finally was resolved with the help of specialists from Cornell including some from Cooperative Extension and the Center for Environmental Research. Their work now can be used as a model for other communities facing water-quality problems.

With a grant from the U.S. Environmental Protection Agency, managed by the New York State Department of Environmental Conservation, and with matching funds from Cornell, the specialists provided technical assistance and raised the level of knowledge in the community so the citizens subsequently could make informed decisions about their water problem.

The Cornell team assisted in discovering the source of contamination, evaluating options open to the village, working with farmers to prevent further pollution, and studying how well the residents understood the problem and risks involved, examining their attitudes and determining their needs for further information.

They also traced the primary source of pollution to over-fertilization of corn grown on land in the water catchment and assessed the aquifer, water flow patterns, changing land uses, and other factors to reach their conclusion.

To foster better understanding, they also applied computer simulations to analyze the effects of rain, agricultural practices, and nitrogen application on nitrate levels in the water.

These educational techniques, which are applicable and adaptable to other towns, villages, and small cities encountering water pollution, may help to prevent a serious problem in some areas and also provide state officials with strategies for dealing with contamination — a problem more communities soon may be encountering.

"Most of the chemicals which are going to cause ground water contamination already have been applied to the soil and are slowly making their way into the water," says Henry Hughes, the Cornell water resources specialist who served as the project director for the Clifton Springs study.

"It may take up to 10 years for the chemicals to get to the water table and then 100 for them to work their way out."

The Cornell staff also studied how citizens make decisions about risks; the results of such studies help officials work more effectively with communities facing water problems.

"The results of our survey indicate the importance of input from the entire community when making such decisions," says environmental chemist Ann Lemley who was part of the faculty team which conducted the surveys. She is an assistant professor in the department of design and environmental analysis in the New York State College of Human Ecology at Cornell.

"For example, younger women, newer residents, and retirees wanted water that met standards, and they were willing to pay for it," says Lemley. "By contrast, middle-aged men who had lived in the village for more than 10 years were less willing to pay to correct the nitrate problem."

"If input were to come disproportionately from the latter group, who are often the officials in communities, the final resolution might not reflect the actual concerns of the community."

Hughes says that water quality throughout the state varies, but public water supplies are monitored regularly by the New York State Department of Health.

Families with young children who use water from individual wells, however, should have their water tested for nitrates, Hughes advises.

"Pregnant mothers and infants should not drink water high in nitrates because immature digestive systems convert nitrates to nitrites which could prevent blood from carrying oxygen."

The Cornell team, which consists of staff from the State College of Agriculture and Life Sciences and the State College of Human Ecology, includes water specialists, environmental engineers, an agricultural engineer, agronomist, chemist, nutritionist, and biochemist, and an expert from the Resource Information Laboratory at Cornell who read aerial photographs to determine the land use changes over the years.

The Cornell work provided the basis of information the community needed to obtain a recently approved \$400,000 grant from the Housing and Urban Development (HUD) which will be used to implement the plans that Cornell developed with the community.

This team also is assessing the water needs in the southern tier community of Big Flats, and Southold and Southampton on Long Island, where there are multiple sources of contamination. Another Cornell research and extension team continues to work with officials on Long Island to work on other contamination problems there.

Common Learning Commission Appointed

A 13-member Commission on Common Learning at the university has been appointed by President Frank Rhodes.

"The idea for a common learning program at Cornell grew out of the 1982 conference 'A Cornell Perspective on Common Learning,'" said Rhodes. "As the junior and senior years of the undergraduate program become increasingly specialized, we wish to explore the value of courses that address major topics that transcend conventional disciplinary boundaries. The courses will encourage students with varying backgrounds and viewpoints to explore questions of values, social priorities and global concern."

Cornell's plans for a two-year common learning pilot program to begin in 1983-84 were announced in February when the university received a \$90,000 grant from the Andrew W. Mellon Foundation to develop

the courses.

Urie Bronfenbrenner, professor of human development and family studies and of psychology, and Vice Provost Larry I. Palmer are co-chairmen of the commission. Peter D. McClelland, professor of economics, is faculty coordinator.

Other commission members are: Jonathan Culler, professor of English and comparative literature; Esther G. Dotson, associate professor of art history; Thomas Eisner, professor of neurobiology and behavior; Dayydd J. Greenwood, professor of anthropology; Katherine Gottschalk, assistant director of the Writing Program.

Also, Walter LaFeber, professor of American history; Harry Levin, professor of psychology; Walter R. Lynn, professor of civil and environmental engineering; Daniel G. Sisler, professor of agricultural economics, and John P. Windmuller, pro-

fessor of industrial and labor relations.

The commission will oversee the entire Common Learning Program. It will develop increased understanding of the common learning concept at Cornell. It will also help identify and recruit teachers for the pilot program, examine the pilot courses to ensure their breadth and to avoid duplication of existing courses, develop course evaluations and advance the common learning concept.

Vice Provost Palmer said the courses will be designed "to increase students' ability to synthesize knowledge from a variety of disciplines, dealing with subjects that are of major significance to all members of society."

He said these courses must deal with issues that are "not resolvable by appeals to individual self-interest and opinion."

He also said, "Common learning courses

must provide relevant scientific and technical information in a non-professional format. All significant human problems must be addressed through the application of technical or scientific expertise. Traditionally, such expertise is acquired only by completing a sequence of introductory and advanced courses designed for pre-professional students. Common learning requires the development of efficient ways to provide access to this knowledge for students who are not pre-professionals in a particular discipline."

Each of the pilot common learning courses will be led by a single faculty member, but because of their interdisciplinary nature, the courses will be prepared on a collaborative basis.

Calendar

All items for publication in the Calendar section, except for Seminar notices, must be submitted (typewritten, double-spaced) by mail or in person to Fran Apgar, Central Reservations, 532 Willard Straight Hall at least 10 days prior to publication. Seminar notices should be sent to Barbara Jordan-Smith, News Bureau, 110 Day Hall, by noon Friday prior to publication. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the Calendar in which it should appear (lectures, colloquia, etc.). ALL DEADLINES WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

Grad Advisors

Graduate student volunteers are needed to attend one or more events during fall '83 Graduate Orientation, scheduled for Aug. 24-Sept. 4. To volunteer, call 256-4221 and leave your summer address and phone number. More complete information will be sent to volunteers during the summer.

E.A.R.S.

EARS-Cornell peer counseling service, is now open from 3-11 p.m. Sunday through Thursday, 7-10 p.m. Friday and Saturday. Walk-in Willard Straight Hall, Room 211, or call 256-EARS or 256-RAGE. This service is free, confidential and open to all members of the Cornell community. E.A.R.S., we hear you.

Thursday

May 12, 8:15 p.m. Anabel Taylor Founders Room. AL-ANON offers confidential, group support for friends and relatives of people with drinking problems. All welcome, no dues or fees.

Dance

Lonna Wilkinson to Perform

Solo dancer and choreographer Lonna Wilkinson will present a multi-media dance concert at 8:15 p.m. Friday and Saturday, at Willard Straight Hall Theatre.

The evening will feature four dances, two Wilkinson solos and two collaborative presentations with film maker Marilyn Rivchin, a Cornell faculty member, and video artist Michael Moser of Washington, D.C. Wilkinson currently teaches in the Dance Program at Cornell.

When the same program was performed in Washington two weeks ago, the Washington Post

Marilyn Rivchin, the Post reviewer wrote, "It is a conceptually arresting work. As Wilkinson, dressed in white, moves around the performing space, occasionally sitting in, circling, or manipulating a white folding chair, the black-and-white film shows us a 'reversed' Wilkinson, attired in black, and moving sometimes in unison but more often in counterpoint to her live counterpart. The film is like a fantasy mirror, reflecting not Wilkinson's literal image, but what she sees and feels from other 'points of view.'"

A second work on the program is a collaborative video/performance piece with Michael Moser. The piece is structured around a large wood frame set which is substantially altered during the performance. Wilkinson's direct task-like movements interface with the images on three color video monitors which enliven the performance space.

The remainder of the program includes "Go Solo" and "No Soap", two recent dance solos by Wilkinson. "Lonna Wilkinson is a lithe, lucid beautifully controlled dancer...whose works seem to exhibit consistently some of the same traits—refinement intelligence, and clarity, for example—that distinguish her performances." (Washington Post, April, 1981) "No Soap" is accompanied by a musical score by David Borden, who is the musical coordinator for the Dance Program at Cornell.

Michael Moser has taught at American University and works as a video producer in the Washington, D.C. area. He has worked with media artists Peter Campus, Otto Piene, and Ron Hays as a research fellow at the Center for Advanced Visual Studies at MIT. His work was recently included in the Corcoran Museum's 23rd Area Exhibition—Video.

Marilyn Rivchin lives and works in Ithaca and teaches film making at Cornell. She received her bachelor's degree in Art History from Barnard College. Using film and video, she documents the works of, and collaborates with, women artists, particularly dancers. Her video work includes co-founding the Ithaca Women's Video Collective which produces a cable program, "Alternative Currents."

Before joining the Dance program at Cornell, Wilkinson was a member of the dance faculty at George Washington University and at the Dance Place in Washington. She has presented her solo and group works in New York, San Francisco and throughout the Washington area. As a member of the Margaret Jenkins Dance Company from 1974 to 1979, Wilkinson performed extensively throughout the U.S. and Canada. During that period, she studied with Merce Cunningham, Viola Farber and June Finch. Her early ballet training was in the Cecchetti Method. She currently studies ballet with Peter Saul at Cornell.

"Wilkinson's spare cool, intellectually meticulous abstractions and are precision tooled structures, and they also reflect the kinetic sensitivity of an exceptionally skilled dancer." (Washington Post, January, 1982.)

Troika Association Performs May 20, 21

The Troika Association will present a dance performance collaboration in which dance, music and poetry will be represented at 8:15 p.m. Friday and Saturday, May 20 and 21, in Willard Straight Theater. The three choreographers are Saga Ambegaokar, Barbara Dickinson, and Margaret Reinberger.

Ambegaokar, director of Troika, is the choreographer of "Threes," a solo for a woman originally composed in 1975. The dance has been performed many times since, though often differently from the time before. This performance will be danced by Judy Brophy, Evamarie Johnson and Nancy Throep. Ambegaokar has studied and taught, choreographed and performed modern dance in Europe and in the U.S. She is currently teaching at Elmira College. This performance is made possible in part by a grant from the Tompkins County Arts Council's United Arts Funding.

Inspired by the Commedia dell'Arte Reinberger's new dance is a canon of movement superimposed on an Italian comedy scenario. "Arcadia Enchanted" involves Pollicinella and Silvio who have been shipwrecked on the island Arcadia and have fallen in love with two nymphs. Complications arise, including an enchanted garland, until finally the Magician reconciles the lovers. The music is two concertos by Tommaso Albinoni, and the parts will be danced by Judy Brophy, Mary Brown, Joyce Morgznroth, Reinberger, and Jessica Wood. This dance has been funded partly by the Cornell Council of the Creative and Performing Arts. Reinberger has a B.A. in dance from Cornell University and has been dancing in Ithaca for the past five years.

"Three For All," with poet Bruce Bennett, dancer Barbara Dickinson, pianist Carolyn Morgan, grew out of a series of collaborations among the three Wells College faculty members.

Each an experienced artist and performer, the three have evolved a repertory interweaving poetry, dance and music into a varied and suggestive whole—solo, duet, and ensemble; poet and dancer, pianist and poet, dancer and pianist; music and movement and voice. This performance has been funded in part by the New York State Council on the Arts. An assistant professor of dance, and director of the Dance Program at Wells College, Dickinson has an M.A. in Dance from the American University. The Troika Association was formed in 1980 to promote modern dance and new music.

Exhibits

Laboratory of Ornithology "Amazonian Birds—Original Watercolors by Julie Zickefoose." A show of watercolors created for an upcoming field guide to selected birds of Brazil's Amazon region. The Laboratory is located at 159 Sapsucker Woods Road and is open Mon.-Thurs. 8 a.m.-5 p.m., Fri. 8 a.m.-4 p.m., and Sat. & Sun. 10 a.m.-5 p.m.

Herbert F. Johnson Museum "Ten Years of Collecting." A special exhibition highlighting the achievements of the museum and works of art acquired during the past decade. The entire museum will be filled with works donated or purchased since 1973, in addition to promised gifts. Through June 19.

Olin Library, Department of Rare Books William Blake, illustrator and Poet, an exhibition of Blake's reproductive and original engravings and illuminated books, through May 20.

Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

Thursday

May 12, 8 p.m. *Uris Hall Auditorium. "Nashville" (1975), directed by Robert Altman, with Ronnee Blakely, Henry Gibson.

Friday

May 13, 10 p.m. *Uris Hall Auditorium. "Derzu Uzala" (1975), directed by Akira Kurosawa, with Maxim Manzuk, Yuri Solomin.

Saturday

May 14, 14, 8 p.m. Risley Music Room. Risley Free Film Series double feature: "Plan 9 from Outer Space" and "The Robot vs. the Aztec Mummy." Free and open to the community.

May 14, 8 p.m. Uris Hall Auditorium. "Derzu Uala."

Friday & Saturday

May 13 & 14, 8 p.m. *Statler Auditorium. "One From the Heart" (1982), directed by Francis Ford Coppola, with Frederick Forrest, Nastassia Kinski.

Sunday

May 15, 8 p.m. *Uris Hall Auditorium. "Come and Get It" (1936), directed by Howard Hawks, with Frances Farmer, Joel McCrea, Edward Arnil.

Monday

May 16, 8 p.m. *Uris Hall Auditorium. "The Big Sleep" (1946), directed by Howard Hawks, with Humphrey Bogart, Lauren Bacall.

Tuesday

May 17, 8 p.m. *Uris Hall Auditorium. "The Wild One" (1954), directed by Laslo Benedek, with Marlon Brando, Lee Marvin.

Wednesday

May 18, 8 p.m. *Uris Hall Auditorium. "Alphaville" (1965), directed by Jean-Luc Godard, with Anna Karina, Eddie Constantine, Akim Tamiroff.

Thursday

May 19, 8 p.m. *Uris Hall Auditorium. "Chinatown" (1974), directed by Roman Polanski, with Jack Nicholson, Faye Dunaway.

Friday

May 20, 8 & 10:30 p.m. *Uris Hall Auditorium. "Blade Runner" (1982), directed by Ridley Scott, with Harrison Ford, Rutger Haner.

Saturday

May 21, 8 p.m. *Uris Hall Auditorium. "Seven Samurai" (1954), directed by Skira Kurosawa, with Toshiro Mifune.

Sunday

May 22, 8 p.m. *Uris Hall Auditorium. "The Producers" (1968), directed by Mel Brooks, with Zero Mostel, Gene Wilder, Dick Shawn.

Monday

May 23, 8 & 10:30 p.m. *Uris Hall Auditorium. "MASH" (1970), directed by Robert Altman, with Donald Sutherland, Elliott Gould, Sally Kellerman, Robert Duvall.

Tuesday

May 24, 8 & 10:30 p.m. *Uris Hall Auditorium. "The Graduate" (1967), directed by Mike Nichols, with Dustin Hoffman, Anne Bancroft.

Wednesday

May 25, 8 p.m. *Uris Hall Auditorium. "Tommy" (1975), directed by Ken Russell, with Ann-Margaret, Roger Daltrey.

Thursday

May 26, 8 p.m. *Uris Hall Auditorium. "Cleopatra" (1963), directed by Joseph Mankiewicz, with Elizabeth Taylor, Richard Burton.

Friday

May 27, 8 & 11 p.m. *Uris Hall Auditorium. "The Omen" (1976), directed by Richard Donner, with Gregory Peck, Lee Remick.

Saturday

May 28, 8 p.m. *Uris Hall Auditorium. "West Side Story" (1961), directed by Jerome Robbins/Robert Wise, with Natalie Wood, Richard Beymer, Rita Moreno.

Sunday

May 29, 8 p.m. *Uris Hall Auditorium. "Breakfast at Tiffany's" (1961), directed by Blake Edwards, with Audrey Hepburn, George Peppard.

Monday

May 30, 8 p.m. *Uris Hall Auditorium. "Limelight" (1952), directed by Charlie Chaplin, Claire Bloom, Buster Keaton.

Tuesday

May 31, 8 p.m. *Uris Hall Auditorium. "Teorema" (1968), directed by Pier Paolo Pasolini, with Terence Stamp, Sylvana Margaro.

Lectures

Thursday

May 12, 4:30 p.m. Uris Hall 202. "Tectonic Activity and the Principles of Agrarian Collapse on the Coast of Peru," Dr. Michael E. Moseley of the Chicago Field Museum. Sponsored by the Anthropology Graduate Students' Association.

Meetings

May 12, 4 p.m. Schoellkopf Hall Robison Hall of Fame Room. Spring Meeting of the Association of Cornell University Emeritus Professors: Social Hour, Business Meeting, Election of Officers for 1983-84. Talk by Dr. John M. Kingsbury on "Cornell Plantations on the Move," and a campus movie, "Freedom and Responsibility." All emeritus professors invited.

Wednesday

May 18, 3 p.m. Ives 120. Faculty meeting. Note time change and location.

Music

Saturday

May 28, 2:30 p.m. Bailey Hall. Senior Week Concert: Cornell Wind Ensemble conducted by Marice Stith.

May 28, 8:15 p.m. *Bailey Hall. Senior Week Concert: Cornell Glee Club and Cornell Chorus conducted by Thomas A. Sokol.

Religious Services

Friday

May 13, 6:15 p.m. Anabel Taylor Founders Room. Shabbat Services—Conservative/Egalitarian.

May 13, 6:15 p.m. Anabel Taylor Chapel. Shabbat Services Reform.

Saturday

May 14, 9:15 a.m. Anabel Taylor Edwards Room. Orthodox.

May 14, 10 a.m. Anabel Taylor One World Room. Conservative/Egalitarian Services.

Sunday

May 15, 11 a.m. Sage Chapel. Sage Chapel Services: Robert L. Johnson, Director Cornell United Religious Work.

May 15, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry Services: Robert V. Smith, Chaplain, Protestant Cooperative Ministry.

Tuesday

May 17, 7:30 p.m. Anabel Taylor Founders Room. Shavuot Services: Orthodox.

Wednesday

May 18, 9:15 a.m. Anabel Taylor Edwards Room. Orthodox Shavuot Services.

Thursday

May 19, 9:15 a.m. Anabel Taylor Edwards Room. Orthodox Shavuot Services.

Friday

May 20, 6:15 p.m. Anabel Taylor Courtyard. Hillel Summer Services.

Saturday

May 21, 9:15 a.m. Anabel Taylor Edwards Room. Orthodox Shabbat Services.

May 21, 10 a.m. Anabel Taylor Chapel. Conservative/Egalitarian Shabbat Services.

Friday

May 27, 7 p.m. Anabel Taylor Courtyard, Founders Room in case of rain. Hillel Summer



LONNA WILKINSON

critic wrote, "Wilkinson's program of new and recent solos made the head spin and the senses reel...She's a compelling performer, deft and interesting enough to keep one riveted with the sheer magnetism of her dancing." Of "Point of View," the collaboration with

1983	MAY							1983
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29	30	31						

Services, followed by Oneg Shabbat Services (Sabbath Reception) in honor of the graduates in the One World Room.

Saturday

May 28, 9:15 a.m. Anabel Taylor Edwards Room. Orthodox Shabbat Services. For more information about Hillel Services over the summer, please call the Hillel Office, 256-4227.

Sunday

May 29, 10 a.m. Bailey Hall. Baccalaureate Service. David H.C. Read, Minister, Madison Avenue Presbyterian Church, New York, NY.

May 29, 7 p.m. Ithaca Commons, Center Pavillion. "Do Not Make and Worship Gods of Metal" Lev. 19:4. This will be the theme of an inter-religious peace Service. All are invited to attend.

Seminars

Atomic and Solid State Physics: Theory Seminar: "Transport on Fractals," P.-G. de Gennes, College de France and the Ecole Supérieure de Physique et de Chimie Industrielles, Paris, 1:15 p.m. Thursday, May 12, 701 Clark Hall.

Atomic & Solid State Physics: Special Theory Seminar: "Interaction of Helium with Metal Surfaces," Ansgar Liebsch, Institut für Festkörperphysik, KFA, Jülich, 4:30 p.m. Tuesday, May 17, 701 Clark Hall.

Biochemistry: "Furosemide-sensitive Potassium Transport in Glioma and Not Neuroblastoma Cells," John (Wick) Johnson, Veterans Hospital, Dallas, Texas, 12:20 p.m. Thursday, May 12, Wing Hall Library.

Biochemistry: "Genes of the Major Histocompatibility Locus," Lee Hood, Calif. Inst. of Tech., 12:20 p.m. Friday, May 13, 204 Stocking Hall.

Biochemistry: "Control of Cell Type in Yeast by Mating Type Locus," I. Herskowitz, Univ. of Calif. at San Francisco, 12:20 p.m. Monday, May 16, 204 Stocking Hall.

Biochemistry: "Max Delbruck.....A Physicist Looks at Biology," P. Fisher, University of Konstanz, Germany, 4:30 p.m. Friday, May 20, 204 Stocking Hall.

Biochemistry: "Site-specific Cleavage of the Viral Long Terminal Repeat of Avian Myeloblastosis Virus by Reverse Transcriptase Endonuclease," Jonathan Leis, Case-Western School of Medicine, 12:20 p.m. Tuesday, May 24, 125 Riley Robb.

Biophysics: "Collective Properties of Neural Networks," John Hopfield, CalTech and Bell Labs., 4:30 p.m. Wednesday, May 18, 700 Clark Hall.

Boyce Thompson Institute: "The Role of Plant Pathology in a Commercial Breeding Program," Hasib Humaydan, Harris Seed Co., 3:15 p.m. Wednesday, May 18, BTI Auditorium.

Ecology and Systematics: "Ecological Organization of the Rocky Intertidal at Tatoosh," Egbert Leigh, Smithsonian Tropical Research Institute, noon Tuesday, May 17, Whittaker Room, A409 Corson Hall.

Geological Sciences: Title to be announced, Ian Dalziel, Columbia University, 4:30 p.m. Monday, May 16, 205 Thurston Hall.

Microbiology: "Recent Developments in the Biosynthesis of the Penicillins and Cephalosporins," Derek Hook, Bristol-Myers, 4:30 p.m. Thursday, May 12, 124 Stocking Hall.

Neurobiology and Behavior: "The Mexican Leaf Frog and Its Reproductive Biology," Joseph Bagnara, University of Arizona, 12:30 p.m. Thursday, May 26, Morison Seminar Room, Seeley G. Mudd Hall.

Sports

Saturday

May 28 Inlet Flood Control. Men's Heavy-weight Crew Pennsylvania.

Graduate Bulletin

The next regular meeting of the Graduate Faculty will be held at 4:30 p.m. on Friday, May 27, in Kaufmann Auditorium to approve the provisional list from May.

FINAL REMINDER: May 20 is the deadline for submission of all materials for a May degree. No exceptions to this deadline will be made.

Summer Graduate Registration (SGR) forms will be available beginning May 23, at the

Graduate School Information Desk. SGR must be completed by graduate students who: want to use campus facilities (e.g., the libraries and the clinic) during the summer; are off campus but require proof of registration; want to receive residence credit for summer study; are receiving student aid during the summer (e.g., fellowships, assistantships, loans, work-study); or require proof of registration for outside agencies. There is no charge for students who do not want residence credit or to take courses and who were registered full-time on campus for at least one semester of the 1982-1983 academic year. The fee for students who were not registered for at least one semester of the past academic year is \$5.00 per week. Students who plan to receive residence credit for summer study are required to pay a prorated portion of the 1983-84 Graduate School tuition charge. Registration must be in person at the Graduate School office. Student ID is required for validation of the SGR form.

All graduate students who will be receiving student aid (e.g., fellowships, tuition awards, assistantships, work-study, loans, etc.) during the summer term must register with the Graduate School by Summer Graduate Registration (SGR) in order to be eligible to receive their award. Forms are available at the Graduate School Information Desk and may be returned in person starting May 24. All full-time students registered by SGR are reminded that hourly employment may not exceed 20 hours per week from all sources. Students supported by fellowships are subject to the same additional limitations on hourly employment as are enforced during the academic year.

All graduate students who are New York State residents and who will be registered during the 1983-1984 academic year should apply to the New York State Tuition Assistance Program (TAP) for 1983-1984. Any student receiving tuition assistance from Cornell University who meets New York state residency requirements should submit his/her application to the New York State Higher Education Services Corporation (NYSHESC) by July 1st to avoid delays in the processing of his/her TAP payment. Students who received TAP awards in 1982-1983 should have had applications mailed directly to their address by NYSHESC. TAP Student Payment Applications may be obtained by writing to the New York State Higher Education Services Corporation, Tower Empire State Plaza, Albany, NY 12255, or from the Bursar's Office, 260 Day Hall or the Graduate Fellowship Office, 116 Sage Graduate Center.

Student Program Behavioral Research, Chicago Zoological Park, Brookfield, Illinois: The Student Research Program at Brookfield Zoo provides (1) an introduction to zoos as arenas for conservation, research and educational activities; (2) practical learning experience in research design, data acquisition, data analysis, interpretation of results and communication of research results; (3) an opportunity for graduate students and advanced undergraduates to make, and assist in making, original scientific contributions of practical and theoretical significance. Applications for the Fall 1983 term are due by July 15, 1983. Applications may be obtained at the Graduate Fellowship Office, 116 Sage Graduate Center.

June 1, 1983: Legislative Fellowships on Women and Public Policy — The program, funded by the Reyson Foundation, is designed to develop specialists in policy issues of concern to women, while increasing the capacity of the New York State Legislature to address such issues. The Legislative Fellowship Program carries a stipend of \$8,000 from January to July, 1984. Tuition for the twelve credits will be deducted from the stipend. Twelve fellowships will be awarded for the 1984 legislative session. Applications are available from the Center for Women in Government, Draper Hall, Room 302, State University of New York at Albany, 1400 Washington Avenue, Albany, New York 12222.

CIVITAS

Thanks to the more than 300 CIVITAS volunteers who have worked in Ithaca's human service agencies and the schools this semester. The volunteers recruited this spring are almost identical in number to those recruited in the fall so our total for the '82-'83 year approximates 600. This is the largest volunteer workforce we have ever placed. We hope the experience has been rewarding, fun, interesting and a happy change from academia.

Our volunteers have worked in many places, over 100 different places, so it is hard to summarize the nature of their effort. They have visited and comforted elderly people living alone; they have counseled jail inmates and troubled teenagers; they have read to the visually impaired and befriended the mentally disabled; they have shared their love of animals with older folks living in nursing homes. But the most popular jobs our volunteers seek remain

those involving youngsters: as helpers in daycare centers, tutors for children in school, leaders of after-school youth programs and companions for lonely kids. This year a new interest area became evident as volunteers offered help to foreign students on the exchange program in which Americans were matched with non-English speakers for informal bilingual conversation.

For all these good efforts that make our community special, our heartfelt thanks and appreciation.

A FEW NEW REQUESTS FOR HELP
ITHACA FESTIVAL SEEKS VOLUNTEERS: To sell buttons on May 19, 20 and 21 on the Cornell campus or in Ithaca. Sign up now to help make the Festival a success this year and in the future.

MENTALLY DISABLED YOUNG MAN IN HIS TWENTIES: Needs a male 3 p.m. - for an hour or so.

LANGUAGES EXCHANGE: Young man speaks Mandarin Chinese and Vietnamese wants help with English writing, pronunciation and reading. He will work on an exchange basis if you wish to learn either Mandarin Chinese or Vietnamese.

TO RESPOND: COME TO CIVITAS, 119B Anabel Taylor Hall, or call 256-7513. Open Mon., Wed., Fri., 9-3, and Tues. and Thurs., 10-2.

Funded in part by the Student Finance Commission and open to the entire Cornell community.

Off-Campus Housing Notes



The end of spring semester is move-out season for many Cornell students. This is also the time to conclude any monetary transactions with your landlord, including arrangements for refund of the security deposit. According to New York State law, security deposits, until repaid or applied, continue to be the property of the person making the deposit and are to be held in trust by the person to whom the deposit is made. In order to aid in the refund of your security deposit, the following steps are suggested.

1. Be sure that all financial obligations have been met by (all roommates). These generally include the last month's rent, utility payments, and parking fees (if applicable).
2. Perform any necessary cleaning or repairs and restore the dwelling to its original condition (or better). If you filled out an inventory when moving in, refer to it when determining the original condition of your unit.
3. Ask the landlord to check out the unit in your presence and attempt to establish a mutual agreement concerning damage charges, the amount of the remaining balance and accrued interest. (According to New York State law, interest, minus one percent for administrative charges, is to be paid on security deposits in rental properties containing six or more separate dwelling units.)
4. Remove all belongings and return all sets of keys.
5. Leave a forwarding address.
6. If your lease ends in August, and you will be subletting for the summer, be sure to collect a security deposit and an advance rent payment from the summer occupants. You are responsible for rent payments and damage caused by your

subtenants, so be sure to communicate with your landlord over the summer to detect and deal with any problems that may arise.

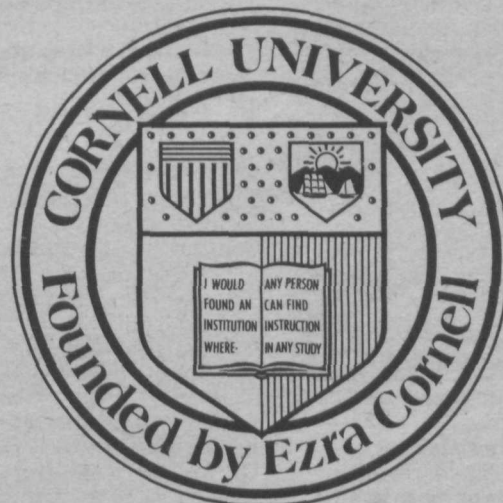
7. If you do not receive a refund within a reasonable length of time after the lease expires, e.g. one month, contact the landlord directly to discuss the matter. If you cannot reach an acceptable mutual agreement, and are returning to Cornell in the fall, you may stop by 103 Barnes Hall to make an appointment with the Off-Campus Housing Legal Adviser beginning in late August. If you are not returning to Cornell, you may wish to consult an attorney, legal adviser or legal aid clinic in your home community or you are welcome to call the Off-Campus Housing section of the Dean of Students Office, (607) 256-5373, for further information and referral. Although no specific services are provided for alumni, that same office is willing to provide advice and discuss options to assist them in dealing with the problem.

Garden Plots Are Available

Anyone interested in obtaining a garden plot for the summer should go to the Hasbrouck Apartments Laundromat from 10 a.m. to noon Saturday, May 28.

There are two sizes available: 20'x25' and 20'x50'. Cost for the smaller plot is \$5 for the larger, \$8. Plots are located at Ellis Hollow and at the Warren Road Farm.

All land has been donated by the College of Agriculture and Life Sciences.



14 Cornell Graduates Among Holders of NSF Fellowships

Fourteen Cornell graduates are among 450 outstanding college students being offered National Science Foundation three-year fellowships for graduate study in the natural and social sciences, mathematics and engineering.

Another 19 graduates of other institutions now enrolled at Cornell or expected to attend have been offered the NSF Graduate Fellowships.

In response to the current shortage of advanced scientific personnel in certain fields critical to the continued health of science in the nation, special emphasis was given this year to making awards in computer science and selected fields of engineering, earth sciences and biology. More than 3,450 students submitted applications in the nationwide competition for the fellowships, which are awarded on the basis of merit.

The fellowships provide a stipend of \$6,900 per year for three years. In addition an annual cost-of-education allowance of \$4,000 is provided to the institution by NSF in lieu of all tuition and fees.

Cornell graduates offered NSF Fellowships and their field of study include: Michael David Jacobson, Orninda, Calif., pharmacology; Marilyn Suzanne Mayer, Miami, Fla., ecology; Marla Gearing, Stone Mountain, Ga., biology; Abigail C. Cohn, Chicago, Ill., linguistics; John Michael Abrams, Ithaca, N.Y., cell biology; Pamela Lynn Earl, Clinton, N.Y., meteorology; Kristina Ann Ernest, Macedon, N.Y., zoology; Stephen H. Hilgartner, Ithaca, N.Y., sociology; Phylliss Dawn Sholinsky, Greenlawn, N.Y.,

microbiology; Cristina W. Vertucci, Ithaca, N.Y., botany; Michael Seth Marks, Chapel Hill, N.C., microbiology; Terry Michael Finerman, Gates Mills, Ohio, materials engineering; Warren Stanfield Wade, Orange Village, Ohio, organic chemistry; and Anthony Wing-Yui Kam, Allentown, Pa., solid state physics.

Graduates of other institutions who have been offered NSF Graduate Fellowships and are attending or are expected to attend Cornell include: Susan Carole Bibler, Phoenix, Ariz., anthropology; Alan DeQueiroz, Los Angeles, Calif., zoology; David Alan Wedin, Ames, Iowa, ecology; Mark Harry Barsamian, Lawrence, Kan., electrical engineering; Kurt Lindsay Haller, Lexington, Ky., chemical physiology; Christina Franquemont, Bozeman, Mont., anthropology; David Frank Shallcross, Princeton Junction, N.J., mathematics; Jeffrey E. VanCleve, Randolph, N.J., solid state physics; Bennett Battaile, Ithaca, N.Y., mathematics and computer science; Marilyn M. Dammerman, Dobbs Ferry, N.Y., microbiology; Megan Morgan, Warrensburg, N.Y., medical science; Timothy Walter Peierls, Brookhaven, N.Y., mathematics and computer science; Kathy Lynn Radimer, Ithaca, N.Y., nutrition; Carol Susan Trosset, Cincinnati, Ohio, anthropology; Carol Conrad Loeffler, Stony Run, Pa., ecology; Ilyse Hope Rathet, West Chester, Pa., ecology; Gary M. Bernstein, Springfield, Va., solid state physics; Sieglinde S. Snapp, Pullman, Wash., botany; and Jay Kenneth Trautman, Olympia, Wash., chemical physiology.

EARS

Continued from Page 2

suicidal person." Those students who do not pass the counseling exam are still a valuable force on the Cornell campus, she said, because with the counseling skills they have gained at training sessions, they can help friends who perhaps would not call EARS.

Carr says she is optimistic about the future of EARS, and the newly expanded hours may be extended even further in September. "People are beginning to catch

on that EARS isn't just for people with something wrong with them, it's also for people who want to relieve tension and anxiety or who just need to talk."

Training sessions will begin in the fall for new volunteers. Carr suggests that those students who are interested contact the Dean of Students Office, 103 Barnes Hall, telephone 256-4221 as soon as they return to campus in the fall.

The writer is a work-study student in the News Bureau, which publishes the Chronicle.

Computing Students

Continued from Page 3

the use of CUPAPER, a program to facilitate writing papers, particularly revising them. His hopes of getting hands-on experience were dimmed when he saw terminal facilities jammed with students completing assignments.

Fischer did come away impressed with the seriousness and business-like attitudes of the students who were computing and with the amount of computer use on campus. And later he and most of the class learned CUPAPER. In fact, he has used the procedure on one of his own papers and has begun planning for next year's class to get instruction early.

Students waiting in queues to use the computer have found many ways to occupy themselves meaningfully. Take last February 28 for example. It was the beginning of a week when students were crowding the computer terminals to complete assignments. The lengthy queue in Uris Hall took a sudden dip and almost as suddenly jumped back up to a waiting list of 27 two hours later. The terminal operator had no trouble explaining it. Everyone had gone off to watch the final performance of M.A.S.H.

The writer is a work-study student in the News Bureau, which publishes the Chronicle.

Aetna Plan

Continued from Page 4

\$2,000 if the claimant has been previously hospitalized and up to \$1,000 if not previously hospitalized.

- Voluntary sterilization will be included in basic coverage.

- The number of home health care visits covered will increase from 40 to 120 per calendar year.

- Combined family Major Medical deductible of \$300 per calendar year will be allowed for families with 4 or more mem-

bers.

- The lifetime Major Medical maximum for retirees has been raised to \$1,000,000.

Under Aetna the university will again cover the full 1983-84 cost of individual coverage, \$590 annually. Cornell will also increase its contribution toward family coverage. The biweekly cost to employees for family coverage will be \$21.11. Families in which both spouses are endowed employees will pay \$13.24 biweekly for family protection.

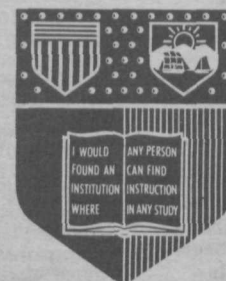
Judicial Administrator

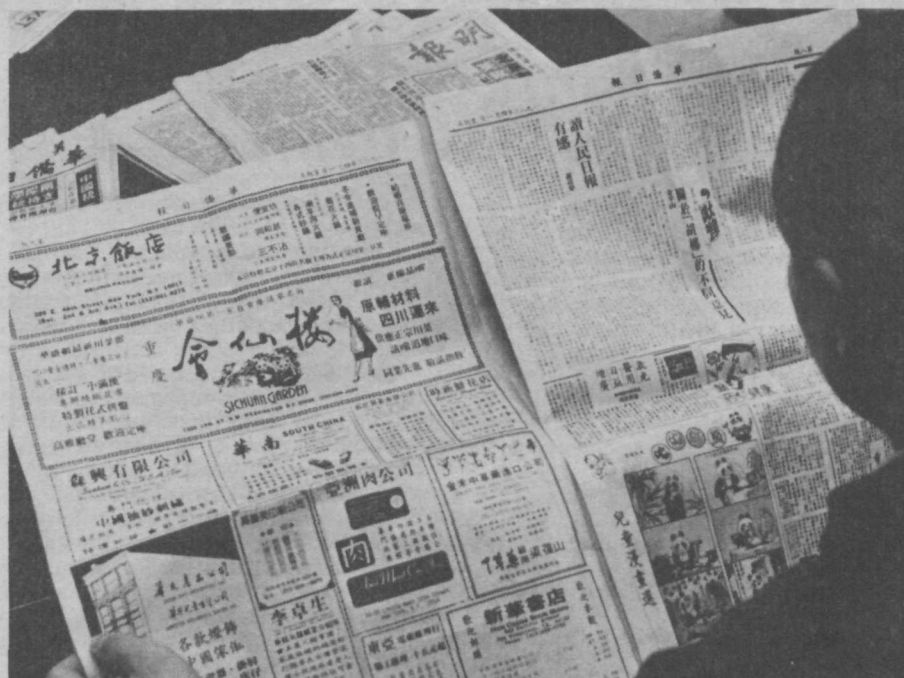
Case Reports—January, February 1983

No. of persons	Violation	Summary Decision
3	Furnished false information to a Safety Officer	WRITTEN REPRIMAND(WR) 15 hours of community service with the Athletic Depart.
1	Drove past a traffic control booth	WR; \$15 fine OR 4.5 hours of c.s.
2	Attempted to steal a statue and damaged it in the process	WR; 15 hrs. c.s.; \$66.67 restitution for each
1	Failed to comply with an RA's request for quiet	WR; 7 hrs. of c.s.
4	Failed to comply with a Univ. official	Oral Warning
1	Threatening behavior towards an R.A.	WR; 25 hrs. of c.s. (10 suspended) 15 hrs. of c.s. with Res. Life
1	Entered a residence hall unlawfully	WR
1	Attempted to take a library book	Oral Warning
1	Unlawful entry into Noyes Lodge	WR; \$40 OR 12 hrs. of c.s.
1	Damaged property in a U-Hall	WR; 15 hrs. of c.s. \$31 restitution
1	Illegal use of foreign coins in machines and meters	WR; 22 hrs. of c.s. \$13 restitution
1	Harassment of another student	WR; 15 hrs. of c.s.

Case Reports, March 1983

No. of persons	Violation	Summary Decision
3	Created a disturbance in a U-Hall	WRITTEN REPRIMAND (WR) 10 hours of community service with Alcohol Abuse Program
1	Created a disturbance in a U-Hall	WR; 12 hrs. of c.s. with Alcohol Abuse Program
2	Altered University permit or ID	WR; \$33 fine OR 10 hrs. of c.s.
3	Theft of food from Dining	WR; \$10/3 hrs. of c.s.
1	Threatened another student	WR; 25 hrs. of c.s.
1	Failed to comply with a RHD	WR; 12 hrs. of c.s.
1	Created a disturbance in a U-Hall	WR; 10 hrs. of c.s. (2 suspended) 8 hrs. of c.s. with Alcohol Abuse Program
1	Used a CU vehicle for personal use	WR; 42 hrs. of c.s.
1	Entered a Res. Hall illegally	WR; \$26.80/8 hrs. of c.s.
1	Attempted to take non-circulating library material	WR
2	Created a disturbance in a U-Hall	Oral warning
1	Failed to comply	WR; \$25 (\$10 suspended) \$15/4 hrs. of c.s.
1	Illegal use of a Coop card	Oral Warning
1	Altered a temporary permit	Oral Warning
1	Misused a coop card	WR
1	Altered a permit	WR
3	Overtaken another person's car	WR; 30 hrs. of c.s.- 10 hrs. with the Alcohol Abuse Program \$486.31 restitution each
1	Theft of food from Dining	WR; \$20/6 hrs. of c.s.
2	Walked across parked cars	WR
1	Harassment	Oral Warning





Research, or a Quick Visit Home Happen in Olin Newspaper Room

In a windowless room of Olin Library faculty and students are spectators to the mundane and momentous day-to-day happenings on planet Earth.

While many are deep in current research, others are returning home for a few minutes via a total of 399 daily and weekly newspapers that implode almost every morning on the Department of Maps, Microtexts and Newspapers in the basement, one flight down from the entrance lobby of Olin.

The other afternoon Arif Inayatullah, a freshman student in engineering, could be seen reading the Urdu language newspaper "Jang" from Karachi, Pakistan; and Wojciech Stasiak, a post-doctoral researcher, was engrossed in the pages of "Tryduna Ludu" from Warsaw, while graduate student Sayu Joseph read "The Times of India," from Bombay, where he earned his undergraduate degree. And Alain Seznec, dean of the College of Arts and Sciences

was making an almost weekly perusal of his hometown's paper, "La Monde."

There are others who use the papers as language refresher courses and to resurrect memories of by-gone days of reading "El Pais" in a cafe in Madrid or "Sud-deutsche Zeitung" in the Hoftrauhau in Munich.

In all there are papers from 62 countries kept on the shelves of the reading room for several weeks and then in storage for months. About 40 percent are eventually kept on microfilm to become part of the libraries permanent collection. Many of these are from East and Southeast Asian countries because Cornell has been designated a national resource for materials from this part of the world.

In addition to the obvious research value of all these materials, they also serve as an important link to the various roots of the Cornell community's cosmopolitan population.



Prizes, Honors and Awards for Cornell People

McClane, Santi, Silbey Win Clark Awards for Professors

Professorial winners of the 1983 Clark Distinguished Teaching Awards in the College of Arts and Sciences are Kenneth A. McClane, assistant professor of English; Enrico M. Santi, associate professor of Romance studies, and Joel H. Silbey, professor of American history.

Each will receive \$3,000 from an endowment established 17 years ago by John M. Clark, a member of the Class of 1929, and Emily B. Clark, Class of 1930, to honor and reward those who have demonstrated devotion to teaching, especially at the undergraduate level.

In addition to professors, lecturers and teaching assistants receive annual Clark awards. The 1983 winners will be announced later this month.

McClane, who joined the Cornell faculty in 1976, is a published poet and specialist in courses in creative writing and in Afro-American literature. Reeve Parker, chair-

man of the English Department, said, "In the classroom he seems to do the remarkable thing: to appeal to all kinds of students by presenting them with the spectacle of a keen mind energetically summoning their own capacities for thought and feeling."

"He will not be dishonest to his enthusiasms in order to appeal to the cooler restraints of a majority culture nor will he accept the conventions of minority literary representation that fails to reflect the idiosyncrasies of his own awareness."

Santi, who joined the Cornell faculty in 1977, was described as "an outstanding professional in all respects" by Romance Studies Department Chairman Jacques Bereaud. "He is equally outstanding in teaching and in overall academic excellence."

"Enrico has been able to establish a unique rapport with his students," Bereaud continued. "That rapport comes from motivating them to do advanced work, and by having a personal relationship with them. Students say he has the capacity to make a most difficult subject completely satisfying on an intellectual basis and completely understandable to all."

Silbey, a member of the Cornell faculty since 1966, is impressive," according to Department of History Chairman R. Lawrence Moore, "because of his energy, expansiveness, and enthusiasm as a teacher — not merely in one course or during a few years but in a wide variety of courses and throughout a long career here at Cornell. His commitment to his subject has attracted large numbers of students to his lecture courses, and his openness to innovation has made these courses consistently engaging."

"Perhaps because of his ebullience and openness to experimentation, Silbey has become more than a 'classroom' teacher. As a member of the Library Board, as a sports fan, as a participant in the Cornell-Washington Program, as a speaker to alumni groups — in these and other capacities, he has discovered and explored new avenues for teaching in the broadest and fullest sense."

Lehman Fellowships

Stephen H. Hilgartner, a senior in the College of Arts and Sciences, and Susan E. Sternglass, who graduated from the Arts College in 1982, have won 1983 New York State Herbert H. Lehman Graduate Fellowships in Social Sciences and Public and International Affairs.

Open to students in colleges and universities across the nation, the fellowships provide for up to four years of graduate study with a maximum stipend of \$19,000 in New York State public and private graduate schools. They were established by the 1965 New York State Legislature to honor the former governor and senator.

Cornell was the only school nationwide to have more than one student among the 30 fellowship winners, announced this month by The State Education Department. In addition Cornell had two students among the 34 alternates named: Rebecca A. Thorne, Arts '82, and Amy E. Schwartz, a senior in the New York State College of Agriculture and Life Sciences at Cornell.

Hilgartner intends to pursue graduate work in sociology and Sternglass in political science.

J.G. White Prize

The Department of Romance Studies has awarded five undergraduate prizes and scholarships in this year's J.G. White Prize and Scholarship Competition.

Alexander M. Martin of Fourgueux, France, a sophomore in the College of Arts and Sciences, and Carla Schmitzberger of Rio De Janeiro, a junior in the College of Engineering, have been awarded prizes for excellence in Spanish and English respectively.

Winning J.G. White scholarships for excellence in Spanish are Gustavo R. Arnavat of Hialeah, Fla., Joan I. Molitoris of Stafford Springs, Conn., and Stewart Glickman of Brooklyn. All three are students in the College of Arts and Sciences.

Winners in the competition were determined on the basis of oral and written examinations.

Corson-Bishop

Frances Kuffel, a student in the graduate writing program, has been awarded the \$650 Corson-Bishop Prize for Poetry this year. She is a native of Missoula, Mont.

Winning honorable mentions in the competition are Sharon Dolin, a graduate student of Ithaca, Jessica Hornik, a senior in the College of Arts and Sciences and a native of Schenectady, Trevor Knapp, a graduate student of Toms River, N.J., and David Wasson, a graduate student of Lansing.

specialized journals for a number of industries.

The competition is limited to B&PA students and is designed to encourage business students to learn about the specialized business press and to reward excellence in writing.

This year's topic called for an analysis of how a controversial business issue was handled in three types of publications: the popular press, the general business press, "Wall Street Journal," "Business Week," "Fortune," and the specialized business press of trade journals, for that industry.

The winning essay, examined the handling of the issues raised by the Manville Corp.'s filing for reorganization under Chapter 11 of the Bankruptcy Code.

From Los Altos, Calif., Robinson is in the joint MPS-MBA program in Cornell's School of Hotel Administration and B&PA.

Chemistry Prizes

Six students in the College of Arts and Sciences have been named winners of chemistry prizes, according to an announcement by Roald Hoffmann, chairman of the Department of Chemistry.

Anthony Kam, a senior is the recipient of the American Institute of Chemists Award to an outstanding graduating senior with a "demonstrated record of leadership, ability, character and scholastic achievement" as well as the George Caldwell Prize of \$150 for demonstrating general excellence in chemistry studies.

Receiving the George Caldwell Prize of \$100 is Warren S. Wade, a senior in the College of Arts and Sciences.

The Harold Adlard Lovenberg Prize of \$150 to a member of the junior class majoring in chemistry and showing general excellence is awarded to Nicholas Kam-bouris.

Merck Index Awards go to two students with excellent scholastic records, Carol Jean Martin and Richard M. Lynn.

For "interest in and aptitude for a career in analytical chemistry," the Division of Analytical Chemistry of the American Chemical Society, the award of a 15-month subscription of the division's journal is made to Nathan Bahary, a junior in the College of Arts and Sciences.

Laubengayer (Chemistry)

Three outstanding students in introductory chemistry courses at Cornell University have been awarded 1983 Laubengayer Prizes, according to an announcement by Department of Chemistry Chairman Roald Hoffmann.

Receiving Laubengayer Prizes, which include an award of \$125, are Robert G. Crowell of Johnson City, N.Y., a freshman in the College of Agriculture and Life Sciences; Nancy L. Fregau of Annandale, Va., a freshman in the College of Arts and Sciences; and Michael J. Mead of Massapequa, N.Y., a freshman in the College of Engineering.

The prizes were established in honor of Professor of Chemistry Emeritus A.W. Laubengayer on the occasion of his retirement in 1966, and reflect his interest in undergraduate students and his extensive activity in undergraduate instruction.

Barnes Shakespeare

First prize in the Barnes Shakespeare Prize competition for 1983 has been awarded to Douglas P. Julius for his entry, "The Expressive Imperative in 'Titus Andronicus'." The prize is \$275.

No second prize was awarded this year.

Geology

Two Cornell geology students have been awarded memorial prizes, according to Donald L. Turcotte, chairman of the Department of Geological Sciences.

Anita U. Hueldepohl of 1131 Wall Road,

Webster, N.Y., a student in the College of Engineering, has been awarded the Chester Buchanan Memorial Scholarship. The \$1,000 award was established in 1936 by Mrs. Claire F. Buchanan in memory of her son. The scholarship is awarded each year to an outstanding senior, majoring in geology, who is recommended by the faculty of the Department of Geological Sciences.

Ellen S. Platzman of 80 Addison Drive, Short Hills, N.J., a student in the College of Arts and Sciences, has been awarded the Michael W. Mitchell Memorial Prize. The \$1,000 prize was established in 1960 by Stephen A. Mitchell and friends in memory of his son. The award is made each year to a senior geology student who has proved adept in other fields as well as geology.

Luce Scholarship

Kenneth D. Balick, ILR '83, and past president of the Cornell Interfraternity Council has been selected as a 1983-1984 Luce Scholar, one of fifteen scholars chosen in a nation-wide competition.

The Luce Scholars Program, started in 1973, is an expression of The Henry Luce Foundation's continuing interest in improving American understanding of Asia. Through this program 15 young Americans of outstanding promise are sent each year to the Far East for professional apprenticeships under the guidance of leading Asians.

Andrews Prize

Terry Holt, a graduate student at Cornell University, has won the 1983 Arthur Lynn Andrews Prize of \$200 for short story writing with his entries "Charybdis" and "Apocalypse."

Two second prizes of \$100 each were awarded to Diane Eggert, a graduate student of Ithaca and Brian McWilliams, a graduate student from Northfield, Minn.

Eggert's story was titled "Silver Spoons" and McWilliams' entries were "Lock and Key," "A Small Boat," and "The Trap."

Earning honorable mentions were Paula V. Smith, Jane Dickinson, Linda Pooler, graduate students, and Robert Sanders, a junior in the College of Arts and Sciences.

Entries in the competition, which was established in 1865 in memory of Arthur Lynn Andrews, an 1893 Cornell graduate, may be collected from Jean Morehouse, Dean's Office, 315 Day Hall.

Lane Cooper Prize

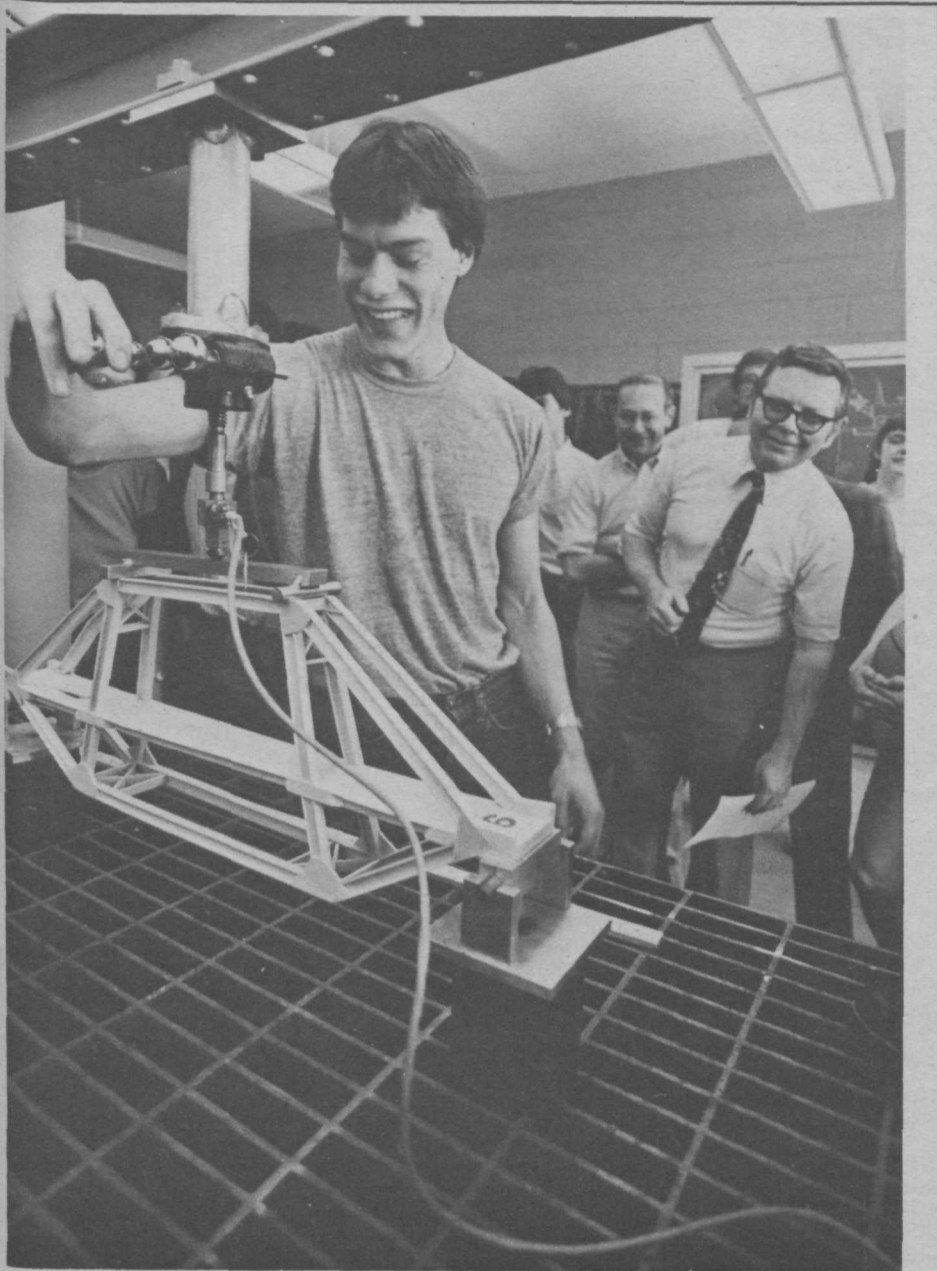
Douglas P. Julius of Ithaca, a senior in the College of Arts and Sciences, has won the Lane Cooper Prize of \$150 for 1982-83. Julius is a double major in classics and English and a recipient of the new Mellon Fellowship for graduate study.

This prize is awarded annually to the student "who shall demonstrate the greatest promise in the application of classical learning to the problems of modern life."

An anonymous donor established the prize to honor the memory of Lane Cooper, a professor of English who helped him during his undergraduate career.

Gene H. Oberly, professor of pomology in the State College of Agriculture and Life Sciences, has been elected chairman of that department for a three-year term, ending April 1986. He had been acting chairman since August 1982. A member of the Cornell faculty since 1962, Oberly is recognized for his expertise in tree fruit management and his service to Cornell Cooperative Extension.

Frank V. Kosikowski, professor of food science in the State College of Agriculture and Life Sciences, has received the 1983 American Cultured Dairy Products Institute research award. Sponsored by Nordica International, the \$1,000 award and recognition plaque is given each year to a college professor for excellence in cultured dairy product research.



School of Civil and Environmental Engineering Director Richard N. White, at right, looks on and sophomore Rees Tulloss grimaces as his balsa creation nears the breaking point in the First Annual Cornell Model Bridge Building Contest. Of 10 entries, this one took second place and another model built by Rees and sophomore Leigh Jerrard won the contest.

Evvett To Have Exhibit At The Kraushaar

Artist Kenneth W. Evvett, professor of fine arts, emeritus, will have his 10th one-man exhibition May 18 through June 11 at The Kraushaar Galleries, 724 Fifth Ave. between 56th and 57th Streets in New York City.

The exhibit will include recent oil paintings (still lifes, portraits, landscapes) and a retrospective display of works dating back to 1945 (Sumi ink paintings, drawings and watercolors).

An Ithaca resident, Evvett taught painting

at Cornell from 1948 until his retirement in 1979. He served as chairman of the Department of Art from 1973 to 1976.

His works have been exhibited at numerous galleries and museums throughout the world, including the Whitney Museum of American Art and the Metropolitan Museum of Art in New York City and the Corcoran Museum in Washington, D.C.

In addition, for several years Evvett wrote articles on art and the art scene for The New Republic.

Library Associates Launch Campaign to Support Libraries

Continued from Page 1

agree that the library is the absolutely essential aspect of any university, there does not seem to be a general awareness that we have got to take extraordinary measures now or the library will rapidly go down hill again."

It is the development of a heightened and general awareness of the multiplicity and gravity of the problems facing Cornell's libraries that is the primary objective of the Library Associates today, Abrams said. "The needs are acute; the need for financial and moral support and advice over the next 20 years is critical."

"Since its establishment, the Library Associates has played a key role in sustaining and enhancing in many ways the phenomenal resurgence of the Cornell libraries," Abrams said.

The general contributions of the group and the individual contributions of its mem-

bers have been crucial to the quality and variety of the Cornell collection. Arthur H. Dean and his wife, Mary Marden Dean, have led in these contributions, Abrams said.

In addition to Arthur Dean's service as chairman of the associates for more than 15 years, he and Mrs. Dean have made numerous contributions to the library, including the Lafayette papers and the Forrest Bowe collection of Franco-Americana. He also has been very active in the recent development of the library's collection of 20th century American literature.

"It is the devotion of people like the Deans that has made the library what it is today. During his long and illustrious career, as an international lawyer and diplomat as well as 10 years service as chairman of the Cornell University Board of Trustees, Mr. Dean never failed to play

Summer Hours ...For Bus Service

Summer hours for bus service on and to campus have been announced by William E. Wendt, director of Transportation Services.

The East Ithaca Transit summer schedule starts Monday, May 23. The 5:45 p.m. run from the Vet College to the Easter Heights area will be suspended for the summer months. The last run of the day during the summer will leave the Vet College at 5:10 p.m. and Day Hall at 5:15 p.m. The remainder of the schedule will continue as published.

Ithaca Transit's Route 2A, which provides evening service Monday through Saturday until 1:17 a.m. between Cornell, downtown Ithaca, and Ithaca College, will reduce service over the summer months beginning Tuesday, May 31. Route 2A will operate Friday and Saturday nights only during the summer months.

Campus bus service over the summer months will be provided on the normal schedules with some reductions in the late afternoons beginning Monday, May 23, and continuing through mid-August.

The AB Local schedule will remain the

same as during the academic year.

Three late afternoon runs on the B Lot-Collegetown Bus route will be suspended for the summer. Service from Sheldon Court between 4 and 6 p.m. will be at half-hour intervals, leaving on the hour and half hour. The 4:15, 4:45 and 5:15 p.m. runs will be deleted.

The Langmuir Laboratory courier van will operate over the summer on the regular schedule.

The evening Blue Light Bus service on campus will be suspended for the summer at the close of service on Friday, May 13.

The Blue Light Escort Service discontinued for the summer months at the end of the day on Wednesday, May 11.

Summer hours at the Traffic Bureau will go into effect on Monday, May 16. The office, located at 116 Maple Avenue, will be open from 8 a.m. to 4 p.m. Monday through Friday through the middle of August.

...For Dining Service

The new summer hours for Cornell Dining's operations to take effect on May 22, are as follows:

THE IVY ROOM, in Willard Straight Hall, will be open for continuous service, Monday through Friday, from 7 a.m. to 7 p.m.

STRAIGHT FROM THE OVEN bakery, also in the Straight, will be open Monday through Friday, 7 a.m. to 2:30 p.m.

ROBERT PURCELL DINING, serving the North Campus residential community, will serve Monday through Saturday during the following hours:

Breakfast, 7 a.m. to 9:30 a.m.

Lunch, 11:30 a.m. to 1:30 p.m.

Dinner, 5 p.m. to 7 p.m.

Sunday Brunch will be served 10:30 a.m. to 1:30 p.m. and Sunday Dinner from 5 p.m. to 7 p.m.

NOYES LODGE Restaurant will be open Monday through Friday, 7 a.m. to 8 p.m., and Saturday and Sunday, 9 a.m. to 8 p.m.

THE PICK-UP, in the lower level of Noyes Lodge, will continue to provide groceries and other living necessities every day of the week, noon until 9 p.m.

THE RED BEAR CAFE, in Stocking Hall will serve Continental Breakfast, 8 a.m. to 11 a.m. and light lunch from 11 a.m. to 1:30 p.m. Automated service is available from 7:30 a.m. to 3 p.m.

Comment Freedom of Movement on the Campus

To Members of the Cornell Community:

During a recent conference on campus, people were restricted in their freedom of movement into a university building, and to a lecture they wished to attend. Since freedom of movement is vital to the life of a university community, a statement of Cornell policy is in order:

— Campus security is the sole responsibility of the Department of Public Safety; no unauthorized police force will be allowed on this campus.

— No visiting group has any authority to regulate access to university buildings.

— No visiting group has any authority to stop and search anyone on campus or to

interfere with the lawful movement of any visitor or member of the campus community.

— No violation of the civil rights of anyone, including criminal harassment or assault, will be allowed and all such incidents will be investigated and prosecuted.

Steps have been taken to prevent such incidents in the future. The assistance of all members of the campus community is necessary to help preserve the peace and good order of the university and the civil rights of all.

William D. Gurowitz
Vice President, Campus Affairs

guest of the associates at the annual dinner and related special events.

Additional information may be obtained at 201 Olin Library, telephone 256-3393.

Abrams said he expects to play a key role in planning and taking part in the associates' programs and special events over the next few years.

One of the more recent events was "A Weekend in Philadelphia" which included two days of cultural and social activities centering around a major exhibit of the paintings of Cornell's Louis Agassiz Fuertes at the Academy of Natural Sciences in Philadelphia and a guided tour of the Rosenbach Museum and Library, also in Philadelphia.

Similar programs are being planned throughout the country, all part of cultivating a growing awareness that a great library is the result of continual community effort.

Brief Reports

Versage Is Elected As Employee Trustee

Dominic Versage, the university's radiation safety officer, has been elected to a two-year term on the Board of Trustees.

Other winners of the recent elections for seats on the Employee Assembly are: Endowed, at-large—Lynn Coffey, administrative secretary in City and Regional Planning; endowed exempt—Suzanne Robertshaw, lecturer in Modern Languages and Linguistics; endowed non-exempt—Marlene Reitz, accounts assistant in Theoretical and Applied Mechanics. All of the endowed seats are for a two-year term.

For statutory seats the election results were: non-exempt—Trish Rollins, secretary, Agricultural Experiment Station, Ithaca and Joyce White, technician, Veterinary Diagnostic Laboratory; exempt—Mary DellaValle, research support specialist in Food Science; Geneva at-large—Ben Gavitt, research support specialist in Food Science and Technology. DellaValle's term is for one year, the rest are all two-year terms.

The referendum passed by a vote of 933 to 229. The referendum called for the addition of the editor of Networking as a non-voting member of the Employee Assembly.

Full election results are available in the Office of the Assemblies, 165 Day Hall, telephone 256-3715.

Alcoholism Is Topic Of Brown Bag Lunch

"Alcoholism: Twenty Questions," will be the topic of a brown bag luncheon sponsored by the Staff Relations and Training Section of University Personnel Services. Linda Urban, Employee Assistance Program Counselor at the Family and Children's Service of Ithaca, will be on hand to discuss the progression of alcohol addiction as well as phases of recovery.

The program will be presented 12:15-1:15 p.m. May 23 and 24 in 202 Uris Hall. Registration is not required.

The program will address such topics as the signs and symptoms of problem drinking, the effect alcoholism has on the family, what family members can do when someone in the family is alcoholic and the community resources available to help the alcoholic and family members.

For further information contact Staff Relations and Training, 256-7400.

Career Center Chief Will be on "Today"

Career Center Director Thomas C. Devlin will be featured on NBC-TV's "Today" show on Monday, May 23, when the morning news program begins a four-part series on the contemporary job market.

Devlin's live appearance will offer a look at jobs and job prospects for 1983 graduates. Other segments of "Where the Jobs Are" will look at other aspects of the employment picture.

Last month an NBC-TV crew videotaped an on-campus seminar conducted by Devlin, as well as interviews with seven students, for use in conjunction with the May 23 show. Devlin's lecture looked at ways to find jobs other than through interviews with on-campus recruiters.

Cornell Team Second In Soil Judging

A student team representing Cornell at the 1983 National Soil Judging Contest at Ohio State University has placed second. Cornell held the 1982 national title.

The event attracted 17 teams from throughout the United States.

This year's title went to the University of Wisconsin at Platteville with a total score of 2,881; Cornell had 2,707 points. Behind

Cornell were the University of California at Davis, Virginia Polytechnic Institute and State University at Blacksburg, and the University of Arkansas.

Cornell's team included Jacalyn Wolf of Port Washington, Edward Blouin of East Northport, Susan L. Slocum of Binghamton and Ali F. Phillips of Washington, D.C. Alternates were Elise Pendall of Albuquerque, N.M., Janis Boettinger of Saddle Brook, N.J., and Joseph S. Kraft of Sanborn, N.Y.

Law School Class of '83 Will Hold Convocation

The final convocation of the Cornell Law School's Class of 1983 will be held at 3 p.m. Sunday, May 22, in Alice Statler Auditorium.

Some 1,000 parents and friends will attend the ceremony and reception afterward in the Myron Taylor courtyard.

Cornell President Frank Rhodes will greet the group, which will then be addressed by Robert B. Kent, associate dean for academic affairs and professor of law at the Law School. Peter W. Martin, dean of the Law School, will preside.

There are 194 students in the Class of 1983, which includes candidates for J.D., LL.M., and J.S.D. degrees. They will be graduated at the University Commencement on Sunday, May 29.

Community Fireworks Show Moved Up a Day

The date for this year's community fireworks celebration at Schoellkopf Field has been moved up one day, from Friday, July 1, to Thursday, June 30.

Jack K. Kiely, general chairman for this year's show, said the change was made necessary to enable the university to start construction right after the July 4th holiday on major repairs to the Crescent which contains the seating for the stadium.

Originally, he explained, the target date for the show was July 1, with rain dates of July 8 and 9. Should it be necessary to go to the rain dates, he said, it would interfere with Cornell's construction schedule, which is designed to have the stadium ready for the football season in the fall.

The new schedule has the target date of Thursday, June 30, with rain dates of Friday, July 1, and Saturday, July 2.

Assemblies Scheduled To Meet This Month

The University Assembly will meet at 4:45 p.m. today in 200 ILR Conference Center. Items on the agenda include a discussion of the of the budget process in the Division of Campus Life and consideration of a resolution on Draft Registration and Financial Aid.

The Employee Assembly will meet at 12:15 p.m. Wednesday, May 18, in B8 Roberts Hall. Items on that agenda include reports from the various committees of the assembly as well as a discussion of the status of career related educational opportunities and a presentation by Lee Snyder, director of personnel services, on the employee survey results.

Steam Shutdown Set For May 31 - June 2

The annual campus-wide steam shutdown is scheduled for 5 a.m. Tuesday, May 31 through 5 p.m. Thursday, June 2. The shutdown is for essential maintenance work on the steam distribution system and repairs at the Central Heating Plant.

Thomas R. Brown, director of Maintenance & Service Operations, said this may create a temporary inconvenience and that anyone with questions or who anticipates problems should call Maintenance and Service Operations Customer Service Center at 256-5322.

Agriculture College To Sponsor Barbecue

The College of Agriculture and Life Sciences will sponsor a barbecue for all CALS seniors at 5:30 p.m. Friday, May 27, in the Ag. Quad. In case of rain, it will be held in the Judging Pavilion.

All CALS seniors will be given one complimentary ticket for the barbecue. Tickets are available from 9 a.m. to 2 p.m. today and tomorrow in Mann Library. Faculty and staff who wish to attend can also get tickets at Mann Library. For faculty and staff, there will be a \$6 charge.

Emeritus Professors' Group Meets Today

The Association of Cornell University Emeritus Professors will hold its spring meeting in the Robison Hall of Fame Room in Schoellkopf Hall at 4 p.m. today.

The program will include an updated report by Byron W. Saunders, professor of engineering emeritus, on a retirement complex; a talk by John M. Kingsbury, director of Cornell Plantations, entitled "Cornell Plantations on the Move," and a campus movie, "Freedom and Responsibility."

The president of the Association, Blanchard L. Rideout, professor of Romance studies emeritus, said at least 250 retired professors live in the Ithaca area and all are invited to the meeting whether already members of the association or not.

There will be a social hour and a short business meeting during which officers for the coming academic year will be elected.

Adult Swim Lessons Are Scheduled

Adults who want learn how to swim or those who just want to improve their swim strokes are invited to the Helen Newman pool where lessons will be given at various times during the day May 16-27 and June 1-15.

Cost per session, which includes 10 lessons, is \$40. Classes will consist of about six persons in order that more individual attention can be given.

To register call Mary Jane Berry, instructor, at 256-5133 during the day or 257-0031 evenings.

SAGE CHAPEL

Director of CURW Will Be Speaker

Robert L. Johnson, director of Cornell United Religious Work, will speak at the 11 a.m. Sunday, May 15, Sage Chapel Service. His sermon topic will be "Imagine."

Johnson came to Cornell in May 1982 as director of CURW. He continues to serve as president of the National Institute for Campus Ministries, a position he has held since 1980.

A graduate of the University of North Carolina at Chapel Hill, Johnson was ordained in 1954 in the United Methodist Church. He received his master of divinity degree from Union Theological Seminary in 1955 and a master of theology from Harvard Divinity School in 1968. He served for 18 years as director of the Wesley Foundation at Chapel Hill and is the author of "Counter Culture and the Vision of God."

Art Works Are Solicited For Display This Fall

Drawings, paintings, sculpture and handicrafts by Cornell students are being solicited for display in Binenkorb Admissions Center of Goldwin Smith Hall in the College of Arts and Sciences.

The works must be submitted to the admissions office by the end of May. Those selected will be on display during the summer and fall. They should not be larger than 3-feet by 3-feet, and be matted. Further details may be obtained at the admissions office.

Student I.D. Cards To Omit Birth Date

Beginning with the Summer Session 1983 student identification cards issued by the university will no longer show the holder's birthdate, according to Keith E. Ickes, university registrar.

"Since the age 19 drinking law went into effect, we've had several instances of students altering their I.D. card birthdates," Ickes said. "Therefore, we've decided to stop including a birthdate on the cards and local merchants should not use the cards for verification of birthdate."

Holiday Schedule for Year

The university's holiday schedule for 1983 has been announced by University Personnel Services as follows:

Memorial Day, Monday, May 30; Independence Day, Monday, July 4, and Labor Day, Monday, Sept. 5. There will be no campus bus service on May 30 and July 4. Employees who are required to work on

those days may park on campus.

The two-day Thanksgiving Holiday will be Thursday and Friday, Nov. 24 and 25. The winter holidays and floating days off will be: Friday, Dec. 23, and Monday, Dec. 26, through Friday, Dec. 30. Campus bus service for those dates will be announced at a later time.

Hans E. Eisner

Hans E. Eisner, 90, of 301 Salem Drive, Ithaca, died Monday, April 25, in Tompkins Community Hospital.

For some years at Cornell, first in the Department of Entomology and later in the Section of Neurobiology and Behavior, Eisner did research on animal poisons, pioneering in a study of cyanide production in millipedes.

Born in Germany in 1892, he was a veteran of World War I and studied chemistry in Munich and Berlin. He was the last surviving doctoral student of the Nobel laureate Fritz Haber, with whom he remained as a research associate after receiving his Ph.D. An avowed anti-militarist, he left Germany with his young family in 1933, within the week after Hitler's accession to power.

First in Spain, and later in Uruguay, he worked with pharmaceutical companies and became an expert on vitamins. In 1947 he emigrated to the United States, where he eventually retired from pharmaceutical work and moved with his wife Margaret to Ithaca. He was an enthusiastic music lover and sensitive pianist, who hardly missed an Ithaca concert.

Hans Eisner is survived by a daughter, Beatriz Gil-Zorilla of Buenos Aires, a son Thomas of Ithaca, with whom he collaborated in his research at Cornell, Thomas' wife Maria, who was an adopted daughter to him, and seven grandchildren — Fernando, Yvonne, Margarita, Vivian, Diego, Christina, Clarita — from Argentina and the U.S. Memorial donations may be made to the Friends of Music, 120 Lincoln Hall, Cornell.