

Cornell Chronicle

Volume 13, Number 29

Thursday, April 29, 1982

Breakthrough at Newman Lab

Physicists Succeed at Superconductivity

Using CESR, the Cornell Electron Storage Ring, a team of scientists and technicians from the Floyd R. Newman Laboratory of Nuclear Studies has succeeded in accelerating a high energy particle beam by means of a superconducting microwave resonator.

This is the first time that a superconducting resonator has been used in a storage ring accelerator. The resonator was held in a bath of liquid helium at a temperature close to absolute zero during the experiment.

The achievement was announced this week by Boyce D. McDaniel, professor of physics and director of the Newman Laboratory. The team that carried out the first storage ring test, on Sunday, April 18, was coordinated by Ronald M. Sundelin, senior research associate at the laboratory.

Background

Superconductivity is a phenomenon which permits certain substances, such as the metal niobium, to carry electrical currents with little or no energy loss. By this means Cornell researchers were able to increase the energy of particles by 2 million electron volts (the measure of particle beam energy) with a microwave electrical power of 5 watts, about the same power required by a household night light. Normally, hundreds of thousands of watts would be necessary to produce similar accelerations with microwaves.

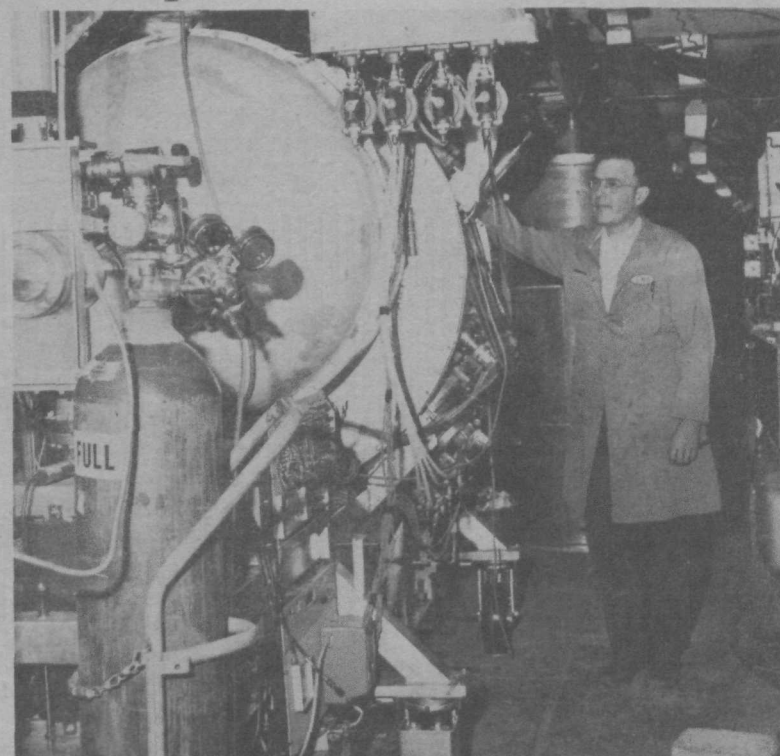
High energy particle beams are used by scientists to probe and measure the properties of the most fundamental units of matter and the forces that govern their structure. The higher the energy of particle beams, the smaller the objects that can be probed by the beams. One way of using particle beams to probe matter is to make them collide against each other in devices called storage rings.

A Major Step

Development of the superconducting microwave resonator is considered critical to the design of the next generation of electron-positron storage rings. This achievement is a major step toward submitting a proposal to build CESR II, a 50 x 50 billion electron volt collider currently being designed by a team led by Maury Tigner, professor of physics at Cornell.

No Chronicle Next Week

With this issue, Cornell Chronicle begins winding down toward a summer publication schedule which will include eight issues between now and the time it resumes weekly frequency in late August. The next issue will be on May 13, and the one after that on June 10, before Alumni Reunion weekend.



Professor of Physics Maury Tigner, leader of the team designing the proposed CESR II, with the superconducting microwave resonator and associated equipment as installed in CESR I.

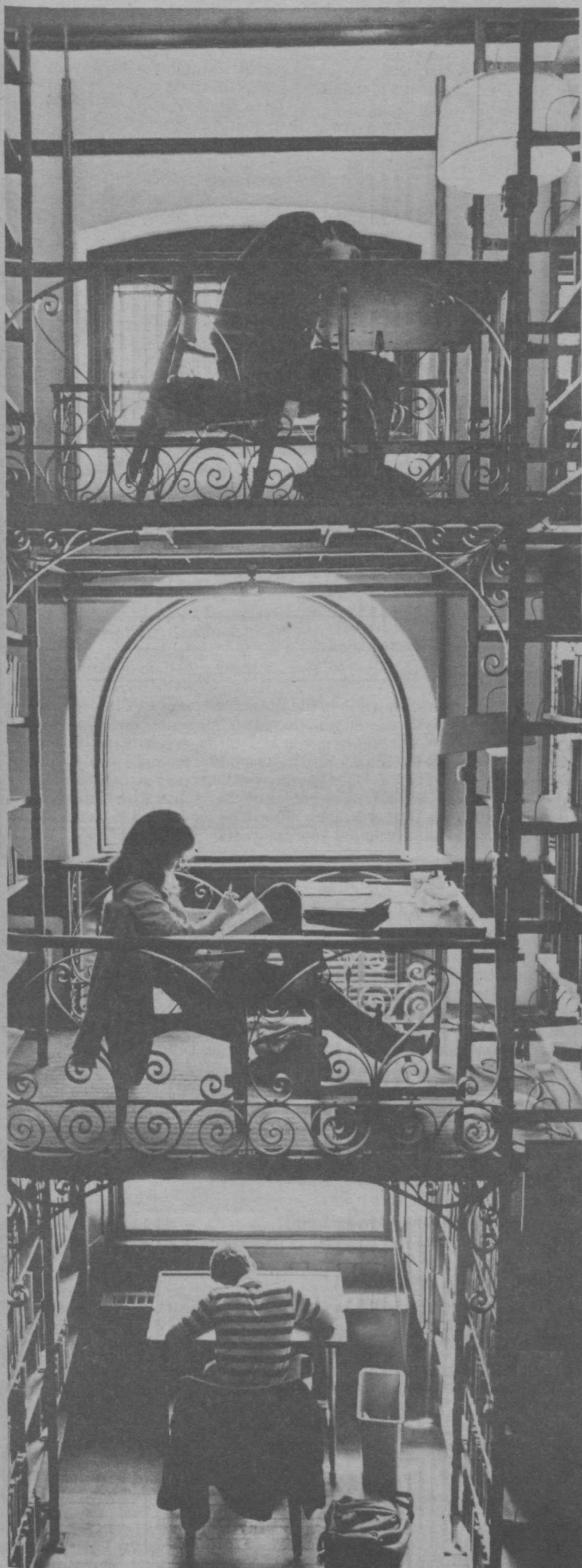
Microwave cavities are needed to accelerate electrons and the particles of the opposite charge, positrons, and to keep them moving around storage rings at nearly the speed of light. Research efforts to develop superconducting microwave cavities made of niobium have been underway at Cornell since 1969, and have been funded by the

National Science Foundation.

Further development of superconducting resonator technology will permit scientists and engineers to build accelerators for fundamental matter research much more economically than is now possible by dramatically reducing the electrical power requirements of accelerators.



Look! Up in the Air! (See Page 3)



A study in silhouettes in the A. D. White Room of Uris Library is also a study in concentration.



An inflated 'Earthball' is kept aloft on the Arts Quadrangle as one of the events in last week's Earthrise observance.

Cornell Chronicle

Editor, Randall E. Shew. Staff writers, H. Roger Segelken, Robert W. Smith, Barbara Jordan-Smith, Martin B. Stiles, Photographer, Sol Goldberg, Circulation Manager, Joanne Hanavan.
(USPS 456-650)

Published weekly during the academic year and once each in June and August. Distributed free of charge to Cornell University faculty, students and staff by the University News Bureau. Mail subscriptions, \$13 per year. Make checks payable to Cornell Chronicle and send to Editorial Office, 110 Day Hall, Ithaca, N.Y. 14853. Telephone (607) 256-4206.

Second-Class Postage Rates paid at Ithaca, N.Y.
POSTMASTER: Send address changes to the Cornell Chronicle (USPS 456-650), Cornell University, 110 Day Hall, Ithaca, N.Y. 14853.

It is the policy of Cornell University actively to support equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age or handicap. The university is committed to the maintenance of affirmative action programs which will assure the continuation of such equality of opportunity.

Membership Growing In Recreation Club

More than 90 university employees and graduate students have joined the new Cornell Recreation Club during the first week of a membership drive, according to club organizers.

The CRC, developed over the last two years by a 12-member employee steering committee, was launched earlier this month through a mailing to all Cornell employees, faculty and graduate students.

The purpose of the club is to provide recreational and social activity, according to Al Reed, grounds equipment operator, and Ron Parks, computer programmer, spokesmen for the steering committee.

Charter memberships, available until July 1, are \$10 per year for an individual, \$25 per year for a family.

Dues will provide an annual picnic and a holiday party at no cost to members. The first event, a summer picnic, is set for June 19. Details on the picnic, as well as a

questionnaire to learn of members' interests, are being sent to all charter members.

Among the other CRC activities being planned or contemplated are: reduced rate tickets to certain Cornell sports events as well as for on- and off-campus shows and concerts; family day trips; dances; club-sponsored sports teams; group trips to shopping outlets; cruises and ski package deals.

Development of a Cornell Recreation Club Park will be part of the club's long-range planning, according to Reed and Parks.

A CRC charter and bylaws have been developed by the steering committee, and an organization and planning meeting will follow the membership drive.

For further information, call 256-7565 between 10 a.m. and 2 p.m. Monday through Friday, or stop in at 165 Day Hall during the same hours.

Detach and return by campus mail to the CRC Office, 165 Day Hall.

CHARTER MEMBER APPLICATION

I am interested in joining the Cornell Recreation Club. I understand that, as a charter member, my dues for the first year will be \$10 (a savings of \$2) for individuals and \$25 for a family membership. The annual dues will provide an annual family picnic and a holiday party at no cost to members.

Signed _____

Campus Address _____

Campus Telephone _____

Make your checks payable to the Cornell Recreation Club. You may send your check with this application form in a sealed envelope by campus mail. If you prefer to pay in cash or in person, bring this form and your payment to 165 Day Hall between 10 a.m. and 2 p.m., Monday through Friday. Dues payment will keep your membership active until June 30, 1983. Upon return of your application, information regarding the first annual picnic will be forwarded to you along with a questionnaire to solicit your interests.

Employee Breakfast with the Provost

As part of an ongoing program designed to improve communications between employees and senior administrators, the Employee Assembly is sponsoring a breakfast with Provost W. Keith Kennedy at 7:30 a.m. Wednesday, May 19, in the Elmhirst Room, Willard Straight Hall.

Any Cornell employee interested in attending should contact the Office of the Assemblies, 165 Day Hall, 256-3715. Reservations will be accepted on a first-come, first-served basis. Attendance will be limited to 20 people.

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/Planning Associate (Institutional Planning & Analysis)
Systems Analyst III, CP5 (Vet. Computing Facility)
Executive Staff Assistant II, CP4 (Media Services)
Assistant University Registrar, CP5 (Off. of the Univ. Registrar)
Budget Analyst II, CP3 (Endowed Budget Office)
Curatorial Assistant, CP2 (Anthropology)
Senior Editor, CP5 (Ornithology)
Clerical
Word Processor Operator, GR20 (Div. of Nutritional Sciences)
Accounts Assistant, GR20 (Biochem., Molecular & Cell Biology)
Financial Aid Assistant I, GR18 (Fi-

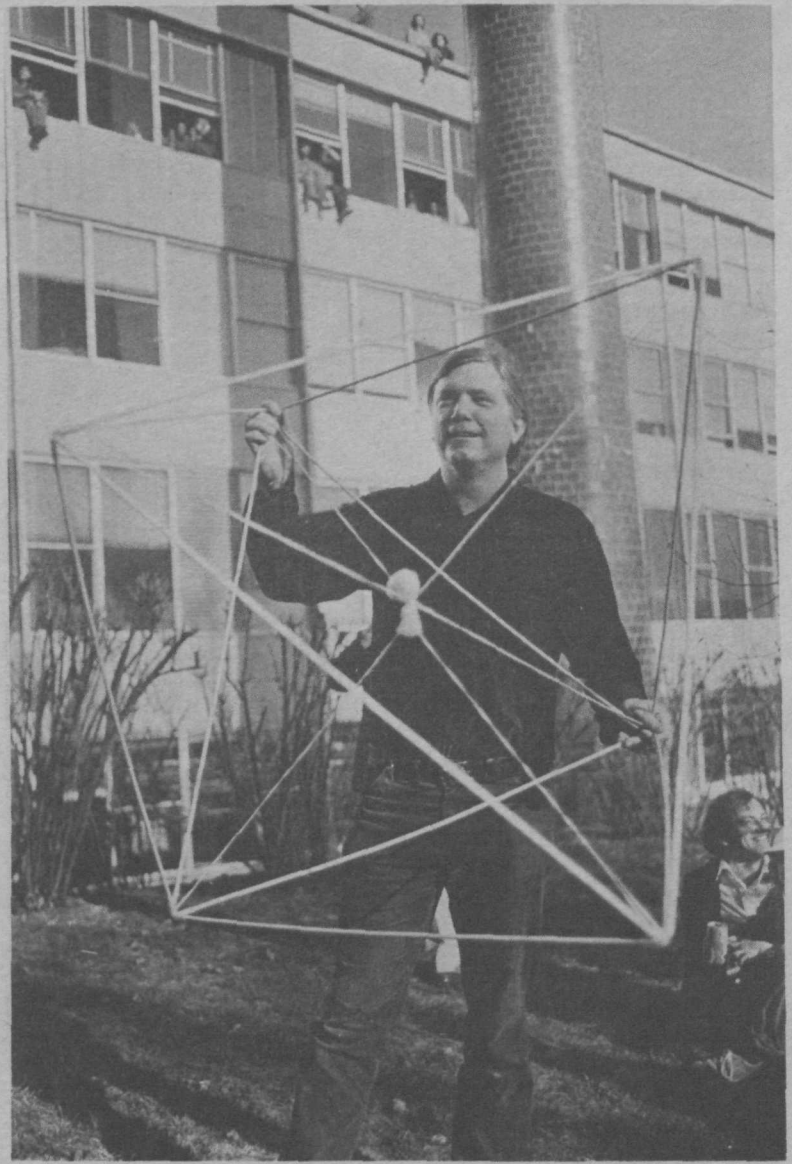
nancial Aid Office)
Secretary, GR18 (Univ. Development-Foundation Relations)
Secretary, CR181 (University Development)
Secretary, GR17 (Psychology)
CRT Operator, GR17 (Statler Inn)
General Service
Maintenance Mechanic, SO20 (Campus Bus Service)
Custodian, SO16 (Varied)
Laboratory Attendant, SO14 (Vet Microbiology)
Technical
Technician, GR22 (Entomology)
Electronic Technician, GR22 (Computer Science)
Technician, GR21 (Clinical Science/Clinical Pathology)
Technician, GR20 (Biochem., Molecular & Cell Biology)
Technician, GR20 (Vet. Microbiology)
Technician, GR18 (Neurobiology and Behavior)
Technician, GR18 (Agronomy)
Part-Time
Library Aide, GR18 (Library, Geneva, NY)

Lab. Technician, GR19 (Chemistry)
Temporary
Temporary Technician, T-3 (Clinical Sciences)
Temporary Project Assistant, T-3 (Institutional Planning & Analysis)
Temporary Interviewer/Staff Assistant T-3, (2) (Arts & Sciences)
Academic
Research Associate, CA (Agricultural Engineering)
Lecturer-Technical & Business Writing (Dept. of Communication Arts)

The Job Opportunities list is mailed to all Cornell departments. In addition, it is posted in the following places: Day Hall Information Desk, second floor lobby; at the Circulation and Reference Desks of all university libraries; in the Map and Newspaper Section, Olin Library; all college and technical libraries; Roberts Hall Post Office substation and in the Upper Activities corridor, Willard Straight Hall.



The people in the photograph on the bottom of Page 1 were watching the annual engineers' egg-drop contest. An official (above) signifies that another egg has made the journey down from the fourth floor of Upson Hall successfully. At right is one of the winners, Robert Connelly, associate professor of mathematics, whose tetrahedron with an egg in the center successfully negotiated the drop.



Annual Egg Drop Draws 400

Some 400 spectators "oohed" and "aahed" as eggs plummeted one after the other from four floors up to the surface of the flagstone patio at Upson Hall Friday afternoon. It was the fourth annual Egg Drop Contest sponsored by the Cornell Chapter of the American Society of Mechanical Engineers.

A surprising number of the eggs didn't break as 55 entrants dropped their fragile cargo in varied and unique ways. Students and faculty

from nearly every school on campus competed. Even a number of local youngsters were entered.

When it was all over, Golden Egg Trophies were presented to the winners in four categories:

—Impact, Lawrence R. Doolittle, M.S. grad, egg was encased in a styrofoam ball guided by a paper nose cone and fins.

—Drag, Randall Bartlett, MAE, grad, dropped egg inside a tube with rotor propeller attached.

—Best Engineered, Robert Yuan, MAE '82, egg was placed in two plastic tubes using air pressure to ease impact of drop.

—Most Creative, Vincent Prantil, MAE, grad, used a foot square piece of cardboard with four toilet paper rolls as landing legs.

—A special award was made for creativity and engineering to Michael Davidowsky, MAE, '82, encased egg in a double flattened pyramid.

Building Projects Approved

Extension of utilities to the Collegetown area, repairs to a Central Heating Plant boiler, a budget increase for the purchase of a fraternity property, and improvements to the North Campus heating system have been approved by the Board of Trustees.

Meeting Tuesday in New York City, the Executive Committee of the Cornell Board of Trustees authorized the following projects:

— Extension of steam, electric and communications services to the Collegetown area at a cost of \$500,000. The utilities will serve the renovated Sheldon Court and Cascadilla Hall as well as the proposed Center for the Performing Arts. The facilities will be extended from the vicinity of the Hollister Hall parking lot across the

Cascadilla Creek footbridge to the Collegetown area.

— Repairs to Boiler No. 8 at the Central Heating Plant at a cost of \$560,000. Replacement and relocation of forced draft fan turbines will reduce maintenance costs, increase boiler reliability and efficiency and greatly improve the working environment inside the plant.

— A budget increase for the September 1980 purchase and renovations of the Sigma Alpha Epsilon property, at McGraw Place-Hillcrest, to a total cost of \$600,000. Expenditures on the fraternity house, which will accommodate ap-

proximately 50 students, will be repaid through Sigma Alpha Epsilon fundraising efforts and from the Department of Residence Life revenues.

— Improvements to the heating system at the North Campus Dormitory complex at a cost of \$200,000. Underground hot water piping between the North Campus Union and dormitories will be replaced, a system will be installed to monitor water temperatures and pressures and space temperatures, heat exchangers will be cleaned and a new condensate return pump will be installed.

Summary of Trustee Actions

This summary journal includes actions and reports of the Executive Committee of the Board of Trustees of Cornell University meeting in New York City Tuesday, April 27:

1. A report of President Frank Rhodes.

2. A report by the President on the establishment of four new funds in the statutory colleges to be used for scholarships, awards, library acquisitions and endowment.

3. A report by Senior Vice President William G. Herbster on the status of the current fiscal operations for all units of the university for the period ending March 31.

4. Reports of the Buildings and Properties Committee by Earl Flansburgh, committee chairman.

5. Approval of the extension of the terms of vice provosts Larry I. Palmer and James W. Spencer.

6. A report by the President on the establishment of several new funds in the endowed colleges at Ithaca and at the Medical College in New York City for scholarships, library acquisitions, research and endowment.

7. Approval of the minutes of the Executive Committee meeting held March 25, 1982.

Assembly Approves Two Renewed Appointments

The University Assembly last week endorsed President Rhodes' recommendation to reappoint Miriam B. Hutchins as judicial administrator for an additional two-year term and Herbert Everett as university ombudsman for an additional one-year term. Both appointments become effective July 1.

Hutchins has been the judicial administrator since 1980. She came to Cornell after having been a law clerk for Tompkins County Judge Betty D. Friedlander since 1977. She was also a part-time instructor at the State University of New York at Cortland where she taught courses in Race and Politics, African Politics and Society and Minorities and the Law.

In his letter to the University Assembly Rhodes wrote, "I have heard high praise for her integrity and her concern for reaching just decisions on the many cases that come to her attention."

Everett, a professor of plant breeding in the College of Agriculture and Life Sciences, was appointed university ombudsman in 1979.

He has been a member of the Cornell faculty since 1952 and served as director of resident instruction for the college from 1966 to 1977.

Rhodes wrote, "Professor Everett's performance during his three years as University Ombudsman has been outstanding. His integrity is impeccable and he is widely known for his absolute fairness in all matters."

In accordance with the legislation

governing the selection of the judicial administrator and university ombudsman, the appointments are made by the president, subject to ratification by the University Assembly.

In other action taken at the meeting, changes in the Campus Code of Conduct were approved. The changes represent a consolidation of four existing pieces of legislation pertaining to the judicial system.

The one significant change in the code is the establishment of community service as the "norm," for satisfying penalties, rather than monetary fines.

In defense of the change, the Codes and Judicial Committee wrote, "Community service is presently an alternative way of working off fines used often by students whose financial means are tight. Wealthier students often avoid any real penalty by merely reaching for their checkbooks. For them no pain is felt nor do they 'enjoy' any rehabilitative value for having done community service."

The revisions will be sent to President Rhodes for his approval.

Completed Health Requirements Due

Fall registration of all continuing students with incomplete health requirements will be blocked by a medical hold until all health requirements have been satisfactorily completed.

Students may pick up forms at the Requirements Office, Gannett Health Center, 256-4364.

Shelter Construction Is Lecture Subject

Kathleen Vadnais, editor of Earth Shelter Living, a magazine previously known as Earth Shelter Digest & Energy Report, will give a public lecture at Cornell University on underground and earth shelter construction at 3:35 p.m. Thursday, April 29, in 157 E. Sibley Hall. The lecture is sponsored by the Department of Architecture.

Calendar

All items for publication in the Calendar section, except for Seminar notices, must be submitted 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 STRICTLY ENFORCED.
*Admission charged.

Announcements

Health Awareness Day

The 4th annual Health Awareness Day will be held on Friday, April 30 from 10 a.m. to 2 p.m. in the Memorial Room of the Straight. Health-related organizations from the Cornell campus and Ithaca community will be represented. Displays and demonstrations will cover a wide range of topics including exercise, cancer, nutrition, self defense and hospital care - just to name a few. Free Blood Pressure readings will also be available. Everyone is invited to attend. The event will be repeated on Saturday, May 1 in Center Ithaca.

Attention Anthropology Majors

You are invited to attend the annual Department of Anthropology spring picnic to be held on Sunday, May 2 at 1 p.m., small pavilion at Stewart Park. For further details concerning food, rides, etc., contact Tom Murray (265 McGraw) or Jessie Glicklen (M-103 McGraw).

An Evening of Magic

Cornell Magic presents "A Spell of Magic" on Monday, May 3, at 7:30 p.m. in Anabel Taylor Auditorium. Featuring a stage show followed by more intimate, close-up magic. Open to the public. Free to Cornell students and employees. For more information call 273-2445.

Cornell Careers

University Personnel Services is announcing a new career development program for Cornell employees. Brown bag luncheon seminar will be held Tues. May 11, 12:15-1:15 p.m. in Uris Hall 202. Presenters: Student Development Specialist Panel: David Drinkwater, Dean of Students; May Hines, Associate Director, Financial Aid Programs; Barbara Morse, Counselor, Student Services, Human Ecology. For more information, employees may call Staff Relations and Training, 6-7000.

Colloquia

Thursday

Apr. 29, 4:30 p.m. Space Sciences 105. Astronomy and Space Sciences: "Cascade Models of Penetrative Convection," Dr. Philip Marcus, MIT.

Monday

May 3, 3:30 p.m. Goldwin Smith 177. Department of Russian Literature and Committee on Soviet Studies: "Plot Archetypes in Il'f and Petrov's Novels," Professor Yu. Shcheglov, University of Montreal.

May 3, 4:30 p.m. Clark 700. General Physics Colloquium: "Present Status of Cosmic Ray Physics," G. Yodh, Maryland.

Exhibits

Herbert F. Johnson Museum "Joshua Neustein." Works by an Israeli artist who uses large expanses of paper as his medium. Organized by the Bertha Urdang Gallery, through May 9. "Heinz Isler as Structural Artist." Photographs and models of the work of Swiss engineer Heinz Isler. Organized by the Princeton Univ. Art Museum and sponsored by the School of Civil Engineering, Cornell University, through May 16. "Pre-Columbian Art of Ecuador from the Zotach Collection." An exhibition of over 200 stone and ceramic Ecuadorian objects which predate the sixteenth century,

donated to the Johnson Museum by Margaret and Tessim Zorach, through May 30. "Lotte Jacobi: Photographs." An exhibition featuring the work of photographer Lotte Jacobi, who worked first in Germany, then in the United States. Included are her portraits of many world figures as well as her more lyrical works, through June 7. Museum hours: 10 a.m.-5 p.m. Tues. through Sun. "Ithaca Video Festival": organized by the Ithaca Video Projects, the annual festival presents a selection of outstanding video productions.

Willard Straight Art Room

Art Show for Jose Pelaez from 7-9 p.m. "Photographs of Cuba." Sponsored by CUSLAR through May 6.

Dance

Indian Dance-Drama

A classical Indian dance-drama will be presented at 7 p.m. Saturday, May 1, at the Strand Theatre in downtown Ithaca. The production is being sponsored by the university's India Association in conjunction with the Graduate Activities Funding Commission and the South Asia Program at Cornell.

The performance of "Dashavataram" (The Ten Incarnations) will be given by Indian dancer Padmini and her performing arts group of some 20 artists.

Padmini, who is described as one of the foremost exponents of Indian classical dance, was tutored by Guru Gopinath. She was also associated with Uday Shanker.

Her dance ballets Ramayana, Shankuntala, Valli Thirumanam and Kannagi have been called classics for their "historic, choreographic and spiritual perfection which underline the breadth, depth and perspective of Indian dance and philosophy."

Padmini has also had leading roles in more than 250 films in Tamil, Telugu, Malayalam and Hindi.

Tickets at \$5, \$4 for students, are on sale at the box office in Willard Straight Hall and at the door.

Saturday

May 1, 7 p.m. *Strand Theatre. Cornell India Association, Graduate Activities Funding Commission and South Asia Program: "Dashavataram (The Ten Incarnations)," one of India's leading Dancers, Padmini and her Performing Arts Group. Tickets available at Willard Straight Ticket Office and at the door.

Monday

May 3, 6:30 & 8 p.m. Straight Memorial Room. Appalachian Clogging Workshop at 6:30 p.m.; Contra and Square Dance sponsored by Contra Dance Club at 8 p.m.

Friday & Saturday

May 7 & 8, 8:15 p.m. *Straight Theatre. Cornell Dance Concert '82. Annual spring concert of original works, both balletic and modern, by faculty and advanced students in the Cornell Dance Program. A wide range of dance styles is presented.

Sunday

May 9, 2:30 p.m. *Straight Theatre. Cornell Dance Concert '82. Annual Spring Concert.

Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

Thursday

Apr. 29, 8 p.m. Goldwin Smith Hollis Cornell Auditorium. "They Call Us 'Les Filles Du Rou.'" (1974), directed by Anne-Claire Poirier. "Scream From Silence" (1979), directed by Anne-Claire Poirier, with Julie Vincent, Germain Houde, Paul Savoie. Free. Sponsored by CCPA & Women's Studies. Director Poirier and Scenarist Martha Blackburn will be present at the screening.

Friday

Apr. 30, 7:30 p.m. Uris Hall Auditorium. Pentangle Free Film Series: Experimental Films by Stan Brakhage (U.S.). "Riddle of Lumen" (1972); "The Act of Seeing With One's Own Eyes" (1972); "The Test of Light" (1974). Three films by one of America's premiere experimental film artists.

Apr. 30, 9:45 p.m. *Uris Hall Auditorium. "Camouflage" (1976), directed by Krzysztof Zanussi, Piotr Garlicki, Zbigniew Zapasiewicz, Christine Paul, Mariusz Dmochowski.

Apr. 30, 7:30 & 10:30 p.m. *Statler Auditorium. "Clockwork Orange" (1973), directed by Stanley Kubrick, with Malcolm McDowell, Patrick Magee, Adrienne Corri.

Saturday

May 1, 2 p.m. *Uris Hall Auditorium. Brian Lewis OneMan Show: "Whalewatch"; "Meditations" and other films. Lewis is Professor of Film Studies, Concordia University, Montreal.

May 1, 7:30 & 9:45 p.m. *Uris Hall Auditorium. "Camouflage" (1976, Poland), directed by Krzysztof Zanussi, with Piotr Garlicki, Zbigniew Zapasiewicz, Christine Paul.

Sunday

May 2, 8 p.m. *Uris Hall Auditorium. "Mildred Pierce" (1945), directed by Michael Curtis, with Joan Crawford, Jack Carson, Zackary Scott.

Monday

May 3, 4:30 p.m. Uris Hall Auditorium. Japanese Free Film Series: "Ballad of Orin" (1977), Shinoda. Sponsored by the China-Japan Program.

May 3, 9 p.m. *Uris Hall Auditorium. "The Illusion Travels by Streetcar" (1953), directed by Luis Bunuel, with Lili Prado, Carlos Navarro. Shown with: "Un Chien Andalou." Film Club members only.

May 3, 9 p.m. International Living Center Main Lounge. International Film Club of I.L.C. Spring Series: "Picasso" (1971). With special emphasis on the basic themes in his work, this biography takes one from Picasso's early life in Spain to his 90th birthday in the south of France. With over 20,000 works of art to his credit, Picasso was the most famous and wealthy artist in history.

Tuesday

May 4, 8 p.m. *Uris Hall Auditorium. "Dead End" (1937), directed by William Wyler, with Humphrey Bogart, Joel McCrea, the Dead End Kids.

Wednesday

May 5, 7:30 p.m. *Uris Hall Auditorium. "The Mystery of Oberwald" (1980), directed by Michelangelo Antonioni, with Monica Vitti, Franco Branciaroli.

Friday

May 7, 7:30 p.m. Uris Hall Auditorium. Pentangle Free Film Series: Cornell Student Filmmakers: A program of new short films.

May 7, 7:30 & 11:45 p.m. *Statler Auditorium. "Casablanca" (1943), directed by Michael Curtis, with Humphrey Bogart, Ingrid Bergman.

May 7, 9:45 p.m. *Statler Auditorium. "Play It Again Sam" (1972), directed by Herbert Ross, with Woody Allen, Diane Keaton.

May 7, 9:45 p.m. *Uris Hall Auditorium. "Ticket to Heaven" (1981), directed by R.L. Thomas, with Nick Mancuso, Saul Rubinek, Meg Foster. Saturday screening followed by discussion led by Ron Loomis, Director Unions and Activities.

Saturday

May 8, 8 p.m. *Uris Hall Auditorium. "Ticket to Heaven" (1981), directed by R.L. Thomas, with Nick Mancuso, Saul Rubinek, Meg Foster. Saturday screening followed by discussion led by Ron Loomis, Director Unions and Activities.

May 8, 11:30 p.m. *Uris Hall Auditorium. "Horsefeathers" (1932), directed by Norman Z. McLeod, with the Marx Brothers.

Sunday

May 9, 8 p.m. *Uris Hall Auditorium. "The Woman in the Window" (1949), directed by Fritz Lang, with Edward G. Robinson, Joan Bennett, Dan Duryea.

Monday

May 10, 9 p.m. *Uris Hall Auditorium. "The Shop on Main Street" (1965), directed by Jan Kadar, with Josef Kroner, Ida Kaminska, Hanna Slivkova. Shown with "Stairway to Where." Film Club members only.

Tuesday

May 11, 8 p.m. *Uris Hall Auditorium. "Equus" (1977), directed by Sidney Lumet, with Richard Burton, Peter Firth.

Wednesday

May 12, 7:30 *Uris Hall Auditorium. "The Girlfriends" (1977), directed by Michelangelo Antonioni, with Eleanora Rossi Drago, Valentina Cortese. In Italian, no subtitles, notes provided.

Thursday

May 13, 8 p.m. *Uris Hall Auditorium. "Outrageous" (1977), directed by Richard Benner, with Craig Russell, Hollis McLaren. Shown with "Pink Triangle." Co-sponsored by Gay People at Cornell.

Lectures

Thursday

Apr. 29, 12:20 p.m. 102 West Ave. Southeast Asia Program Thursday Luncheon Seminar: "The Study of Indigenous Southeast Asian Coinage: Some Thoughts on Method and Interpretation," Robert S. Wicks, Ph.D. candidate in Art History at Cornell and a member of the Southeast Asia Program. Bring your lunch; coffee, tea and cookies will be provided.

Apr. 29, 4 p.m. Malott 251. "Alternatives to Cost-Benefit Analysis in Environmental Regulation." Part III: "Corporate Environmentalism: A Methodology for Cost-Effectiveness," Dr. Richard Herbst, Environmental Coordinator, Exxon Minerals Co., Houston, Texas. Sponsored by the Program on Science, Technology, and Society and the Ecosystems Research Center.

Apr. 29, 4:30 p.m. Myron Taylor Moot Court Room. University Lectures Committee Messenger Lecture Series: "Bribery" Part III: "Sanctions (From Cicero to the Securities Exchange Commission)," John T. Noonan, Jr., Professor of Law, University of California, Berkeley.

Apr. 29, 4:30 p.m. A.D. White House. Romance Studies and College of Arts and Sciences: "Lupasco: Another Dialectic Philosophy," JeanJacques Demorest, Professor, Department of French and Italian Literature, University of Arizona.

Apr. 29, 7:30 p.m. Stimson G-1. Jordan: Natural History Society: "Plant Clones I Have Known," Dr. Robert E. Cook, Harvard University.

Apr. 29, 8 p.m. Uris Hall Auditorium. Preston Thomas Memorial Lecture Series in Architecture: "The Architecture of Good Intentions - Towards a Possible Retrospect," Colin Rowe.

Monday

May 3, 3:30 p.m. Goldwin Smith 177. "Motif Archetypes in Il'f and Petrov's Novels," Professor Yuri Shcheglov, University of Montreal, and formerly of The Institute of World Literature, Moscow and Moscow University. Sponsored by Department of Russian Literature and Committee on Soviet Studies.

May 3, 4 p.m. Malott 251. "Alternatives to Cost-Benefit Analysis in Environmental Regulation." Part IV: "Technology Assessment: A Tool for Public Policy Analysis," Dr. Robert M. Friedman, Senior Environmental Analyst, Office of Technology Assessment, U.S. Congress, Washington, D.C. Sponsored by the Program on Science, Technology, and Society and the Ecosystems Research Center.

May 3, 4:30 p.m. Goldwin Smith 24. The Renaissance Colloquium: "The Renaissance Democritus," Philip Holland, Mellon Fellow, Department of English. An illustrated lecture.

May 3, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "New Age Communities," a documentary film.

May 3, 8:15 p.m. Barnes Hall. Lecture demonstration on classical Indian sitar music. Co-sponsored with Music Department.

Tuesday

May 4, 4:30 p.m. McGraw 165. A Lecture in Honor of Professor John V. Murra, Sponsored by the Department of Anthropology/Latin American Studies Program: "American Anthropology: A Wayward Discipline," Sidney W. Mintz, Professor of Anthropology, The Johns Hopkins University.

May 4, 4:30 p.m. Myron Taylor Moot Court Room. University Lectures Com-

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

mittee Messenger Lecture Series: "Bribery" Part IV: Judgment on Earth (From Dante to Achebe)," John T. Noonan, Jr., Professor of Law, University of California, Berkeley.

May 4, 8:15 p.m. Olive Tjaden Hall 115. "The Art of the Engineer," Francis Pugh. Sponsored by the College of Architecture, Art, and Planning.

Wednesday

May 5, 4:30 p.m. Myron Taylor Moot Court Room. University Lectures Committee Messenger Lecture Series: "Bribery" Part V: "Breaking the Bond of Reciprocity (The Roots of the Rule)," John T. Noonan, Jr., Professor of Law, University of California, Berkeley.

May 5, 4:30 p.m. Uris Hall Auditorium. Poetry Reading. Adrienne Rich, Andrew D. White Professor-at-Large, will give a reading of her poetry.

May 5, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "Beyond Tomorrow: Ways Toward World Community." A discussion of a forthcoming book and the Center for World Community at Cornell.

Thursday

May 6, 12:20 p.m. 102 West Avenue. Southeast Asia Program Thursday Luncheon Seminar: "Before the Revolution: Economics and Politics in a Khmer Peasant Village, 1960," May Ebi-hara, Associate Professor of Anthropology at Herbert H. Lehman College in the Bronx. Bring your lunch; coffee, tea and cookies will be provided.

May 6, 4:30 p.m. Myron Taylor Moot Court Room. University Lectures Committee Messenger Lecture Series: "Bribery" Part VI: "Bribery Between Consenting Adults (The Reasons of the Rule)," John T. Noonan, Jr., Professor of Law, University of California, Berkeley.

May 6, 7:30 p.m. Stimson G-1. Jordan: Natural History Society: "Chihuahuan Nopaleras: Defaunated Big Mammal Vegetation," Dr. Daniel Janzen, University of Pennsylvania.

May 6, 8 p.m. Ives 120. The Preston Thomas Memorial Lecture Series, featuring Colin Rowe's "The Architecture of Good Intentions-Towards a Possible Retrospect." 8th and final lecture.

Monday

May 10, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. "The Complexity of Algorithms: What Makes Complexity Complex?" Laszlo Lovasz, Professor of Mathematics, University of Szeged, Hungary and A.D. White Professor-at-Large. This will be an elementary exposition.

Meetings

Tuesday

May 4, 12:15 p.m. Roberts B8. Employee Assembly.

Thursday

May 6, 5 p.m. Uris Hall 202. Student Assembly.

Wednesday

May 12, 4:30 p.m. Ives 110. FCR meeting.

Tuesday

May 18, 12:15 p.m. Roberts B8. Employee Assembly.

Wednesday

May 19, 4:30 p.m. Ives 110. Faculty meeting.

Music

Spring Concerts Scheduled

Several of the university's major musical organizations will present spring concerts in Bailey Hall on Saturday and Sunday, May 1 and 2. The Cornell Symphony Orchestra will perform at 8:15 p.m. Saturday; the University Wind Ensemble and the Symphonic Band will present a joint pops concert at 4 p.m. Sunday. The public is invited to attend both events free of charge.

Under the baton of Edward Murray, assistant professor of music, the or-

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

chestra will open its program with a tribute to the late novelist Vladimir Nabokov, who taught at Cornell from 1948 to 1958. The composer, assistant professor of music Steven Stucky, who appreciated Nabokov's style and views on art, was moved by the writer's death in 1977 to write a work in his memory. Stucky says "I borrowed the title of his 1972 novel 'Transparent Things' because I liked the sound of it and because it matched, in a certain way, the kind of bright, clear sound I wanted the music to have."

Stucky completed the composition at the request of the Lawrence University Symphony and conducted the premiere in 1980, while on the faculty there. He holds a doctoral degree from Cornell and has been the recipient of several prestigious awards: the Victor Herbert-ASCAP Prize, first prize in the American Society of University Composers Competition and grants from the American Council of Learned Societies, National Endowments for the Arts and for the Humanities.

Michael Marder will be soloist with the Cornell Orchestra in Brahms Violin Concerto in D. A graduating senior physics and math major, Marder has performed in numerous chamber music programs on campus as well as with the Schubert Festival Orchestra and the Cornell Chamber Orchestra. While in high school, Marder was a pupil of Paul Rolland and at Cornell he has studied with Lynn Chang and Sonya Monosoff.

Completing the orchestra's concert is a favorite of concert audiences, Mussorgsky's descriptive Pictures at an Exhibition, which closes with the rousing Great Gate at Kiev. The suite, originally for piano, was orchestrated by Maurice Ravel.

The Cornell bands will offer a variety of selections on Sunday afternoon under the direction of Marice Stith, associate professor of music, and assistant conductor Thomas Duffy. The Symphonic Band will perform Peter Schickele's "tasteful adaptation" of the "Grand Serenade for an Awful Lot of Winds and Percussion" by P.D.Q. Bach. The Wind Ensemble, with a virtuoso bassoon solo by Richard Bottcher, will play William Davis' Variations on a Theme of Robert Schumann. Another soloist with the bands will be flautist Valerie Buzas in Concertino by Cecile Chaminade. Both Buzas and Bottcher are seniors and graduates of nearby Horseheads High School.

The Cornell Symphonic Band will perform overtures, marches and arrangements, including compositions by Copland, Sherrill, Hill, Nelhybel, McBeth, Texidor, and Offenbach's Ballet Parisien, with its famous Can-can. The Cornell Wind Ensemble will add works of Shostakovich, Makris, Yoder and a march by Charles Ives.

The Wind Ensemble will make a four-day concert tour in New York state during the university's Senior Week, returning to the campus in time for a concert at Bailey Hall and participation in the Commencement ceremonies.

Student Concerts

Numerous student concerts will take place during the closing days of the spring semester, all of them free and public.

On Tuesday, May 4, Thomas A. Sokol will conduct the 75 women of the Cornell Chorus in a brief informal program at 5:30 on the Arts Quadrangle. They will sing madrigals, part-songs and other music appropriate for the spring season.

Maureen Burford will present a piano recital at 8:15 p.m. that day in Barnes Hall. She is a sophomore in the Arts College and pupil of Malcolm Bilson.

Valerie Buzas will play music for flute at 8:15 p.m. Wednesday, May 5, in Barnes Hall. She will be assisted by LeeAnn Peabody, piano, and Matt Behler, tuba. A senior in the College of

Human Ecology, Buzas studies with Thomas Duffy.

Two chamber music recitals will be given in Barnes Hall Thursday and Friday, May 6 and 7 by student ensembles coached by Sonya Monosoff. Works of Beethoven will be featured at 8:15 p.m. Thursday by Jill Dreeben, flute; Cathy Page, Eric Hartelius and Lorri Stall, violin; Desiree Elsvier and Robert Lad, viola; Carol Kutchukian cello; and Gretchen Horlacher, piano.

At 8:15 p.m. Friday a trio composed of Kathryn Emerson, piano, Michael Marder, violin, and Robert Kalish, cello, will play Schubert and Brahms piano trios. Also on Friday Cynthia Ryan, Arts 84 and pupil of Richard MacDowell, will present a clarinet recital at 4:30 p.m. in Barnes Hall. She will be accompanied by pianists Severine Neff, Jeff Eldredge and Patricia Canning.

Organ Recital by Paterson

Donald R.M. Paterson, Cornell University Organist and Choirmaster, will give a free public recital on the Sage Chapel organ at 8:15 p.m. Sunday, May 9.

His program will encompass music from the 17th to 20th centuries. From the 1600s he will perform Prelude, Fugue and Chaconne in C Major by Buxtehude and Tierce en taille du premier ton by Gigault; from the 18th century Recit de Nazard by Clerambault, Toccata in E Major and two Chorale Preludes by J.S. Bach. He will also play Fantaisie in A Major (1878) by Franck and two Canons by Robert Schumann, closing with an early 20th-century piece, the Finale from Louis Vierne's Symphony No. 3.

Paterson has played numerous recitals throughout New England, the South and Midwest. Last year he gave recitals on noted historical organs in Denmark,

Belgium and England. He has been on the Cornell faculty since 1964 and is active in the Organ Historical Society.

Thursday

Apr. 29, 8:15 p.m. Barnes Hall. Tremont String Quartet. Works of Palmer, Porter, Willey.

Friday

Apr. 30, 4:30 p.m. Arts Quad by Lincoln Hall. Cornell Gamelan directed by Martin Hatch and Endo Suanda.

Saturday

May 1, 8:15 p.m. Bailey Hall. Cornell Symphony Orchestra conducted by Edward Murray; Michael Marder, violin soloist. Works of Mussorgsky, Stucky, Brahms.

Sunday

May 2, 4 p.m. Bailey Hall. Pops Concert: Combined Bands conducted by Marice Stith. Marches, overtures, novelty numbers.

Monday

May 3, 8:15 p.m. Barnes Hall. Gaurang Yodh, sitar.

Tuesday

May 4, 5:30 p.m. Arts Quad. Informal Concert: Cornell Chorus conducted by Thomas A. Sokol.

May 4, 8:15 p.m. Barnes Hall. Student Recital: Maureen Burford, piano.

Thursday

May 6, 3:30 p.m. Rockefeller 3rd floor lounge. Peking Opera Workshop conducted by Ren-An Yan. Sponsored by the China-Japan Program.

May 6, 8:15 p.m. Barnes Hall. Student Chamber Music. Works of Beethoven.

Friday

May 7, 8:15 p.m. Barnes Hall. Student Chamber Music. Works of Brahms, Schubert.

Saturday

May 8, 8:15 p.m. Statler Auditorium.

Chinese Opera Troupe directed by Ren-An Yan. Sponsored by China-Japan Program.

Sunday

May 9, 8:15 p.m. Sage Chapel. Organ Recital: Donald R.M. Paterson. Works of Buxtehude, Clerambault, Bach, Franck, Vierne, others.

Monday

May 10, 8:15 p.m. *Bailey Hall. New York Philharmonic Orchestra conducted by Zubin Mehta. Works of Vivaldi, Tchaikovsky, Berlioz. Sponsored by the University Faculty Committee on Music.

Religion

Sunday

May 2, 11 a.m. Sage Chapel. Convocation: Robert L. Johnson, Jr., newly appointed Director of CURW; President, National Institute for Campus Ministries (NICM).

Sunday

May 9, 11 a.m. Sage Chapel. Convocation: Robert P. Merrill, State President, Central New York Area, Church of Jesus Christ of Latter-day Saints; Professor, Department of Chemical Engineering, Cornell.

Sunday

May 16, 11 a.m. Sage Chapel. Convocation: W. Jack Lewis, Director Emeritus, Cornell United Religious Work (CURW).

The Festival of Religion and the Arts is sponsored by Cornell United Religious Work and the Center for Religion, Ethics and Social Policy.

Tuesday

May 4, 7:30 p.m. Anabel Taylor Commons Coffeehouse. Poetry and Story Readings: "Out of the Tradition." Cornell Hillel.

Thursday

May 6, 8 p.m. Anabel Taylor The Chapel. Sacred Movement Workshop/Demonstration: Liturgical Dance, Sr. Catherine Hooper.

Friday

May 7, 8:15 p.m. *Anabel Taylor The Chapel. Choral Concert: Ithaca A Cappella. Gerald Wolfe, Director.

Saturday

May 8, 8:15 p.m. *Anabel Taylor The Chapel. Choral Concert: Ithaca A Cappella. Gerald Wolfe, Director.

Monday

May 10, 8 p.m. Anabel Taylor The Chapel. Voice Recital — Ruhama Danziger, Israeli soprano.

Seminars

Agricultural Economics: "Recent Changes in Government Policies Affecting Production and Consumption of Rice in Sri Lanka," Thambapillai Joganatham, University of Sri Lanka, 4 p.m. Monday, May 3, 401 Warren Hall.

Agricultural Economics: "Interdependent Food Stamp Program Participation and Food Expenditure Decision," Christine Ranney, University of California-Davis, 9 a.m. Monday, May 3, 135 Emerson Hall.

Center for Applied Mathematics and Space Sciences/Mathematics/Physics/Theoretical and Applied Mechanics: "Lie Groups and Plasma Physics," Jerrold E. Marsden, University of California at Berkeley, 4:30 p.m. Thursday, April 29, Hollis E. Cornell Auditorium, Goldwin Smith Hall. Marsden will also speak on "Chaos in Hamiltonian Systems," at 4 p.m. Friday, April 30, in 65 Olin Hall.

Center for Applied Mathematics: "On Removable and Isolated Singularities of Some Nonlinear Elliptic Partial Differential Equations," Patricio Aviles, 4 p.m. Friday, May 7, 275 Olin Hall.

Biochemistry, Molecular and Cell Biology: Richard Henderson, Medical Research Council, Cambridge, England, will deliver a number of seminars on campus as part of the Camille and Henry Dryfus Foundation Lectures on the following schedule: "Bacteriorhodopsin, the Light-driven Proton Pump," 11:15 a.m. Thursday, April 29, 700 Clark Hall; "Rhodopsin, the Visual Pigment," 11:15 a.m. Tuesday, May 4, 700 Clark Hall; "Current Structural Research at the Medical Research Council, Cambridge," 11:15 a.m. Thursday, May 6, 700 Clark Hall; "Membrane Enzymes of Mitochondria," 4:30 p.m. Friday, May 7, 204 Stocking Hall.

Biochemistry: "Role of the Receptor-Mediated Internalization of Hormones, Proteins and Viruses," Ira Pastan, NIH, Bethesda, Md., 3:30 p.m. Friday, April 30, 204 Stocking Hall.

Biophysics: "Structure of Ion Transporting Systems; Na⁺/ATPase, etc.," Lewis Cantley, Harvard University, 4:20 p.m. Wednesday, May 5, 700 Clark Hall.

Biophysics: "Endocytosis—Variations on a Theme: Cellular Uptake of Transferrin and Asialoglycoproteins," Richard Klausner, NIH, 4:30 p.m. Wednesday, May 12, 200 Clark Hall.

Boyce Thompson Institute: "Leaf Structure in Relation to Solute Transport and Phloem Loading," Ray Evert, University of Wisconsin, 3:15 p.m. Wednesday, May 5, BTI Auditorium.

Campus Life: "A discussion with Dean John J. Clark, Hotel School, 9 a.m. Thursday, May 6, West Lounge, Statler Inn.

CAPE: "Inflation and Growth: Is There a Trade-Off?" Hendrik Houthakker, Harvard University, 4 p.m. Thursday, May 6, 498 Uris Hall.

CRESP/English: "Chivalry Against Technology: The Poetry of the Great War," Jon Stallworthy, 4:30 p.m. Thursday, April 29, Temple of Zeus, Goldwin Smith Hall.

Chemistry in Industry: "The Other Side of the Love Canal," Norman Alpert, Hooker Chemical Co., 4:40 p.m. Thursday, April 29, 119 Baker Lab.

Ecological and Evolutionary Genetics: "Evolutionary Restructuring of

Chinese Opera Production Set

Authentic Chinese opera will be produced in a free public presentation at 8:15 p.m. Saturday, May 8, in Alice Statler Hall.

Ren-An Yan, a visiting fellow with the China-Japan Program at Cornell and leading performer from Shanghai, will serve as the equivalent of our conductor and concertmaster, and the operatic roles will be played by a New York-based company of Chinese performers.

Nancy Kuo will star in both scenes on the program: "The Royal Concubine Drowns Her Bitterness in Wine" and "Hero King Parts From His Lady." Kuo made her first stage appearance at age 8 and by age 12 was well known in the Wu-Han area of Central China as a piao-yu, a non-professional whose skills are of professional quality.

As a college student in Hong Kong, she was active in the New Asia College Chinese Opera Club. In 1958 she entered Texas University but transferred to Columbia in order to sing with the Peking Opera of New York.

For more than a thousand years opera has been one of the most popular forms of entertainment in China, but Westerners have had little exposure to Chinese opera, which captures the whole range of human feelings. The drama rises to heights of pathos, but relief is always near through the presence of clowns. Scenery and props are minimal, but the pantomime is expressive and costumes are extremely elaborate.

The clowns use normal speech, but other characters speak with an artificial voice. All movements and expressions are stylized so that performance has the rhythm and pattern of dance.



NANCY KUO

Tetraploid Salmonid Genomes," James E. Wright Jr., Penn. State University, 12:20 p.m. Friday, April 30, 19 Baker Lab.

Ecology and Systematics: "Models of Coevolutionary Processes," Simon A. Levin, 4:30 p.m. Wednesday, May 5, 4th Floor Conference Room, New Biological Sciences Building.

Floriculture and Ornamental Horticulture: "Botanical Gardens and Arboreta," Carl Gortzig, 12:15 p.m. Thursday, April 29, L.H. MacDaniels Room, 37 Plant Science.

Floriculture and Ornamental Horticulture: "A Journalist's Perspective of the Floriculture Industry," Vincent Vuoto, 12:15 p.m. Thursday, May 6, L.H. MacDaniels Room, 32 Plant Science.

Food Science: "Methods in Food Habits Research," Diva Sanjur, 4:30 p.m. Tuesday, May 4, 204 Stocking Hall.

General Chemistry: "A Look with Lasers at Multiphoton Dissociation Dynamics: From Barely Excited Hydrocarbons to Blazing Organometallics," Edward E. Grant, 4:40 p.m. Thursday, May 6, 119 Baker Lab.

Geological Sciences: "Crustal Shortening and Strike-Slip Faulting on the San Andreas," B. Raleigh, Lamont-Doherty, 4:30 p.m. Tuesday, May 4, 205 Thurston Hall.

Geological Sciences: "Vertical Seismic Profiling," J. Caldwell, Marathon, 4:30 p.m. Monday, May 10, 205 Thurston Hall.

Human Ecology: "Shaping Public Policy," Karen S. Burstein, executive director, NY State Consumer Protection Board, and Laura Chodos, State Board of Regents, 3:30 p.m. Thursday, April 29, N-207 MVR.

Materials Science and Engineering: "Applications of X-ray Standing Waves in Experiments at CHESS," G. Golovchenko, Bell Laboratories, 4:30 p.m. Thursday, May 6, 140 Bard Hall.

Mechanical and Aerospace Engineering: "Instabilities and Breaking in Deep Water Waves," W. K. Melville, MIT, 4:30 p.m. Tuesday, May 4, 282 Grunman.

Mechanical and Aerospace Engineering: "Robots—Kinematics, Sensors, and Programming," Richard S. Paul, Purdue University, 4:30 p.m. Thursday, May 6, 282 Grunman.

Microbiology: "Proton Motive Force in Growing Bacteria," Eva Kashket, Boston University Medical Center, 4:30 p.m. Thursday, April 29, 124 Stocking Hall.

Natural Resources: "Controlled Hunting as a Deer Population Management Tool," Jay McAninch, The Cary Arboretum, 4 p.m. Thursday, April 29, 304 Fernow Hall.

Natural Resources: "Allocation of Energy by Forest Trees," Sandy B. McLaughlin, Oak Ridge Natural Lab., 4 p.m. Thursday, May 6, 304 Fernow Hall.

Neurobiology & Behavior: "Physiological Aspects of Mating Behavior in Mosquitoes," Fred Nijhout, Duke University, 12:30 p.m. Thursday, April 29, Langmuir Lab.

Organic/Organometallic Chemistry: "Mechanisms of Hydrocarbon Oxidation by Transition Metal Complexes," Chad Tolman, Dupont, 8:15 p.m. Monday, May 10, 119 Baker Laboratory.

Operations Research: "Two-Moment Approximations for the GI/G/1 Queue," Ward Whitt, Bell Laboratories, 4:30 p.m. Tuesday, May 4, 315 Upson Hall.

Ornithology: "The Dominican Gull and the Pukeko of New Zealand: Styles in Opportunism," Robin Fordham, Massey University, New Zealand, 7:45 p.m. Monday, May 3, Stuart Observatory, Sapsucker Woods.

Ornithology: "Acid Rain: Watt's Wrong with the 'Latest Fad'," John Confer, Ithaca College, 7:45 p.m. Monday, May 10, Stuart Observatory, Sapsucker Woods.

Physiology: "Stimulated and Unstimulated Fluid Secretion in the Malpighian Tubules of the Mosquito," Jim Williams, 4:30 p.m. Tuesday, May 4, G-3 Vet. Research Tower.

Plant Biology: Title to be announced, Colin Wraight, University of Illinois-Urbana, 11:15 a.m. Friday, May 7, 404 Plant Science.

Plant Breeding: "The Classification and Evaluation of International Nurseries for the Improvement of Cold Tolerance in Rice," Kevitt Brown, 12:20 p.m.

Tuesday, May 4, 135 Emerson.

Plant Pathology: "Phytophthora infestans—Unpredictable But Apparently Not Adaptable," and "Potato Late Blight Epidemiology—A Movie Brings the Might of Blight to Light," R. V. James, 4:30 p.m. Tuesday, May 4, 404 Plant Science.

Pomology: "The Induction of Stilbene Phytoalexins in Vitis Species Through UV Irradiation and Infection with Botrytis Cinerea," Carol Luczka, 11:15 a.m. Monday, May 3, 114 Plant Science Building.

Poultry Science: "Avian Leukosis Virus and Cancer," Harriet Robinson, Worcester Foundation for Experimental Biology, 4:30 p.m. Thursday, April 29, 301 Rice Hall.

Theoretical and Applied Mechanics: "Dynamic Associative Memories and the Invariant Recognition Problem," Don Lewis, 4:30 p.m. Wednesday, May 5, 205 Thurston Hall.

Vegetable Crops: "The Effect of Temperature and Photoperiod on Days to 1st Flowering in Dry Beans (Phaseolus vulgaris)," A. Muhammad, 4:30 p.m. Thursday, April 29, 404 Plant Science Building.

Vegetable Crops: "An Architectural and Genetic Study of White Mold Resistance in Snap Beans," M.H. Roberts, 4:30 p.m. Thursday, May 6, 404 Plant Science Building.

Sports

Friday
Apr. 30, 3:30 p.m. Kite Hill. Women's Tennis-Army.

Saturday
May 1, 11:30 a.m. Schoellkopf. Men's Varsity B Lacrosse-Princeton.
May 1, 1 p.m. Flood Control Inlet. Men's Heavyweight Crew. Carnegie Cup - Princeton.

Tuesday
May 4, 1 p.m. Hoy Field. Men's Baseball-Buffalo (2).
May 4, 4 p.m. Kite Hill. Men's Tennis-Colgate.

Saturday
May 8, 10 a.m. Schoellkopf. Women's Varsity Lacrosse-Princeton.
May 8, 2 p.m. Schoellkopf. Men's Varsity Lacrosse-Brown.

Tuesday
May 11, 1 p.m. Hoy Field. Men's Baseball-Oneonta (2).

Saturday
May 15, 2:30 p.m. Hoy Field. Men's Baseball-Penn State.

Barton Blotter

The Department of Public Safety is investigating three different cases of harassment of female students which took place on campus last week. One case occurred in Sage Hall and another involved a student as she was parked in her car at 17 South Avenue.

The third case concerns a series of harassments which have taken place on the Agricultural Quadrangle and in surrounding buildings since April 15. No charges have been made yet.

According to the morning reports of the department there were 16 thefts reported on campus involving nearly \$2,000 in losses during the period of April 18 through April 25.

Four incidents involved a total of \$1,300 worth of various electronic equipment: a \$300 dictaphone from Malott Hall, a \$400 stereo amplifier from Founders Hall, a \$350 AM/FM stereo cassette player from a car parked in the Dickson Hall circle and a \$250 AM/FM cassette recorder from North Campus 5.

Safety is continuing to investigate a fire deliberately set in a garbage can in McGraw Hall at 1 a.m. Sunday, April 25. Damage was confined to the can.

Safety recovered a rowboat taken from the playground at the College of Human Ecology. It was found on the shore of Beebe Lake.

Sponsored Programs

The Office of Sponsored Programs, 123 Day Hall, 6-5014, wishes to emphasize that the information in this column is intended for post-doctoral research unless otherwise indicated.

National Aeronautics and Space Administration (NASA)

Space Science Notice - For participation in planetary Geophysics/Geochemistry Planetary Materials. This announcement is to call attention to the continuing opportunities for participation in planetary science research. A few areas of current interest are identified by the Office of Space Science and Applications, where innovative research would be especially valuable. There is continuing interest in new insights into the nature and primordial differentiation of the moon, its lateral and vertical compositional variations, and its history of internal melting. Other areas of interest are the origin of ancient plains on cratered planets (including the moon); evolution of the satellites and rings of the outer planets; studies of meteorites and cosmic dust; studies of solar and cosmic-ray intensity variations; accumulation and dynamical evolution of planets, satellites, and small bodies, including their collisional histories; and studies which enhance our abilities to determine remotely the surface compositions of planetary bodies.

The Planetary Geophysics/Geochemistry and Planetary materials programs are open and continuing programs in which unsolicited proposals may be submitted at any time. In order to make the best use of resources, however, the review of proposals is undertaken only once each year, in the September-October period. Proposals received by NASA before AUGUST 1982 will be reviewed in September-October 1982 and the results will be announced by mid-December 1982.

Guidelines and additional information are available in the Office of Sponsored Programs Library - 115 Day Hall - 6-5014.

Fullbright Senior Scholars
Advance Notice 1983-84 Awards Competition - University Lecturing and Post-doctoral Research Abroad has new deadlines: June 15 - American Republics, Australia, New Zealand; September 15 - Africa, Asia, Europe, Middle East. Information and applications will be available at 115 Day Hall, Office of Sponsored Programs Library.

National Endowment for the Humanities has announced a Planning Grant for the 200th anniversary of the U.S. Constitution. Support for such a planning grant may be up to \$25,000 for one year. The deadline for receipt is June 1, 1982. Application information is available in the Office of Sponsored Programs Library - 115 Day Hall.

Department of Education
Applications for Public Service Programs - due May 10. The program supports fellowships for graduate and professional study to students who demonstrate financial need and who plan to pursue careers in public service. Application forms and program information is available in the Office of Sponsored Programs Library - 115 Day Hall.

Graduate Bulletin

FINAL REMINDER: May 21 is the deadline for submission of all materials for a May degree. No exceptions to this deadline will be made.

Any add/drop or changes to course registration for Spring Semester, 1982, may still be made with a petition and the \$10 late processing fee through Monday, May 3.

Graduate students who are successful

in the 1982 Graduate Summer Fellowship Competition and the 1982 Graduate School Tuition Award Competition should be notified by the second week of May. Lists of recipients will also be sent to the graduate faculty representatives at that time.

All graduate students who will be receiving student aid (e.g., fellowships, tuition awards, assistantships, 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 1982-83 academic year should apply to the New York State Tuition Assistance Program (TAP) for 1982-83. 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 (NYSHEC) by July 1st to avoid delays in their processing of his/her TAP payment. Students who received TAP awards in 1981-82 should have had applications mailed directly to their address by NYSHEC. TAP Student Payment Applications may be obtained by writing to the New York State Higher Education Services Corporation, Tower Building, Empire State Plaza, Albany, NY 12255. TAP applications may also be obtained from the Bursar's Office, 260 Day Hall, and the Fellowship Office, 116 Sage Graduate Center.

Graduate students should be aware that for most academic year fellowships, the final payment will be on the first Friday in May. Students who will be supported by fellowships or assistantships during the summer term should contact the office administering the award to insure that the necessary paperwork will be processed promptly.

Spring Garden Fair Scheduled Saturday

Exhibits, demonstrations and lectures by the staff of Cornell Plantations and the Departments of Pomology, Floriculture and Vegetable Crops are included in the Spring Garden Fair, scheduled from 10 a.m. to 2 p.m. Saturday, May 1, at Ithaca High School.

In addition to displays by several area garden clubs, nurseries and garden equipment dealers, there will be exhibits by the Finger Lakes Beekeepers, the Cornell Laboratory of Ornithology, the Cayuga Nature Center, Circle Greenway and the Iroquois Study Association.

Sponsored by Cooperative Extension of Tompkins County and Cornell Plantations, the event is free and open to gardeners of all ages.

Israeli Ambassador Visits

Ambassador Naftali Lavie, consul general of Israel in the United States, will give a public lecture on "The Middle East after the Withdrawal from the Sinai," at 4:30 p.m. Monday, May 10, in 120 Ives Hall.

Lavie's day-long visit to Cornell is being sponsored by the Department of Government, Department of Near Eastern Studies, Peace Studies Program, Ithaca Friends of Israel, Cornell Hillel, Institute of Stu-

Sophomore Receives Truman Scholarship

Saul S. Gitlin, a sophomore in the College of Arts and Sciences, has been awarded a 1982 Harry S. Truman Scholarship worth up to \$20,000.

Gitlin, who is majoring in Asian studies, was one of 104 students across the country to receive the prestigious awards established in memory of the 33rd president of the United States.

Gitlin is the son of Mr. and Mrs. Robert Gitlin of 50-20 Springfield Blvd., Bayside, N.Y. (His father is a 1950 graduate of the School of Architecture, Art and Planning at Cornell.)

The Truman scholarships are awarded annually by the Harry S. Truman Scholarship Foundation, established by act of Congress to assist college students who are preparing for careers in government service.

In his essay for the award, Gitlin argued the necessity for an increase in foreign service personnel with both undergraduate and graduate backgrounds in Asian studies. Gitlin plans to earn a master's degree in Asian studies before entering a foreign service school.

Blackall to Deliver Lecture in Austria

Eric A. Blackall, the Jacob Gould Schurman Professor of German Literature at Cornell University, will deliver the opening address at a conference on "Goethe and Austrian Literature" in Vienna, Austria, May 10.

The subject of his address will be "Grillparzer and Goethe."

"It is a signal honor," he said, "to be invited to speak in Vienna on the greatest Austrian dramatist in his relation to Goethe."

Blackall was awarded the Cross of Honor in Arts and Sciences, First Class, in 1973 by the Austrian government for his services to German and Austrian literature.

Anti-Americanism In Europe Is Topic

A public discussion of growing anti-American sentiment in Western Europe is scheduled for 7:30 p.m. Monday, May 3, in Hollis E. Cornell Auditorium.

Sponsored by the International Relations Seminar and the Western Societies Program at Cornell, the event is titled "The New Ugly American."

Discussing the topic will be David Holloway and Jane M.O. Sharp, both visiting scholars in the Peace Studies Program and Rudolph Wagner, junior fellow at the Society for the Humanities.

Brief Reports

Sitar Recital Scheduled for May 3

Gaurang Yodh will play music of India in a sitar recital at 8:15 p.m. Monday, May 3, in Barnes Hall. The free public concert is sponsored by the Departments of Physics and Music.

Yodh is a professor of high energy physics at the University of Maryland and also lectures in Indian music and teaches sitar. At a general physics colloquium at 4:30 p.m. that day in 700 Clark Hall, Yodh will discuss the latest developments in cosmic ray physics.

The sitar is one of the most popular classical instruments in North India. A plucked string instrument, said to date from the 13th century, it consists of a wooden stem attached to a hollow gourd. It has seven main strings with 11 sympathetic strings below them, and 16 to 24 movable frets.

Yodh studied the sitar from the age of nine for 10 years in the Indore School. He has performed extensively in the United States, including programs at the University of Chicago where he earned a doctoral degree in physics, at San Francisco's Museum of Modern Art, as well as in Washington D.C. and Baltimore.

His recordings include releases on the Westminster label, among the first recorded presentations of Indian music in America. He composed the background music for an award-winning film "Future of Ram."

Chinese Variety Show is Scheduled

Yi '82, a variety show, is scheduled for 8 p.m. Saturday, May 1, in the Statler Auditorium. Sponsored by the Hong Kong Student Associa-

tion, the program is free and open to the public.

Cornell students and guest performers from other universities are scheduled to perform Chinese folk songs, Chinese and Western classical music, kung-fu, dances and skits.

Yi is a Chinese character meaning 'art,' according to Sunny Lee '82, publicity coordinator. The purpose of the variety show, according to Lee, is to show, through a cultural display, the interaction and influences between the Chinese and Western cultures.

For further information, call Lee at 273-9326.

Race to Benefit Easter Seals

Alpha Phi Omega will sponsor a running roadrace to benefit the

Easter Seals Society at noon Saturday, May 8.

Entry fee is \$5 and interested runners may register the day of the race in front of Schoellkopf field from 10 to 11:45 a.m. Entry blanks are also available at the information desk in Willard Straight Hall. There will be three- and 10-mile courses.

T-shirts for all runners and prizes for the first three finishers in each division will be given. Raindate is Sunday, May 9.

For further information contact Ellen Gartside, 256-5377.

Hatfield Fund Available For Economic Education

Cornell faculty members with innovative plans for teaching applied economics to undergraduates have until May 7 to seek funding from the Robert S. Hatfield Fund for Economic Education.

Vice Provost Larry I. Palmer, chairman of the nine-member committee that will consider faculty applications, said the purpose of the fund is "to enhance undergraduate understanding of applied economics in general and the problems of the free market system in particular."

Applications should be sent to Palmer at 309 Day Hall. They should be one- or two-page statements of how the funds would be used, along with a proposed budget for the project.

The Hatfield Fund was established in 1980 through a \$500,000 gift

to Cornell from the Continental Group Foundation in honor of Robert S. Hatfield, Continental's former chairman and chief executive officer, who is a Cornell alumnus and member of the Board of Trustees. Approximately \$25,000 is available now to fund faculty projects.

During the 1981-82 academic year the Hatfield Fund has supported eight proposals from 12 Cornell faculty.

The fund also makes possible the annual Cornell Corporate Forum which brings a national business leader to Cornell to deliver a major address and to meet informally with students and faculty. Roger B. Smith, chief executive officer of General Motors, was this year's Hatfield Fellow.



Ostrich ferns and Virginia bluebells are among the many plants and flowers to be seen now in the Plantations' Mundy Wildflower Garden.

Wild Flower Gardens Are Back in Bloom

Native flowers that have waited all winter for their place in the sun are now blooming in the 10-acre Cornell Plantations' Mundy Wildflower Garden, which is open to the public at no charge.

Mid-spring, before the forest canopy blocks sunlight from the woodland floor, may be the best time of year to visit the garden.

A leisurely April walk through the naturalistic garden, located just south of the Caldwell Road bridge across Fall Creek, will reveal a variety of spring wildflowers.

Among them: Hepatica, coltsfoot, spring beauty, wild ginger, Dutchman's breeches, twinleaf, red trillium, white trillium, rue anemone, blue cohosh and trout lily.

By mid-May, many of the April

flowers are still in bloom and are joined by marsh marigold, Jack-in-the-pulpit, Virginia bluebells, toothwort and violets.

Except for certain near natives (alien species of long residence) the Mundy Wildflower Garden contains only plants that are native to the Cayuga Lake basin. Because some are protected species and none would last long if visitors picked flowers, leaves or roots, the Cornell Plantations rule applies: "Please take only pictures and leave only footprints."

A 10-week series of free, guided Sunday afternoon walks starts April 25, leaving Plantations headquarters at 2 p.m. Guides will visit different gardens during their peak blooming times. Parking for the walks is available at Plantations headquarters, and at other times visitors may park in conveniently located areas adjacent to specialized gardens.

On weekdays visitors are encouraged to stop at Plantations headquarters where maps, self-guided tour books and handouts are available. More information on Cornell Plantations' natural areas, botanical gardens and arboretum can be obtained by calling (607) 256-3020, or by writing to The Plantations, Cornell University, One Plantations Road, Ithaca, N.Y. 14850.

Poet Adrienne Rich to Be on Campus

Poet Adrienne Rich will be here Sunday, May 2, through Sunday, May 9, in her capacity as one of the university's Andrew D. White Professors-at-Large.

She will give a public reading of her works at 4:30 p.m. Wednesday, May 5 in Uris Hall auditorium.

There also will be a reception for Rich at 3 p.m. Friday, May 7 in Smedley's Bookshop, 119 East Buffalo St. in downtown Ithaca.

She will hold office hours at 336 Uris Hall from 2 p.m. to 5 p.m. Monday, May 3 and Tuesday, May 4; from noon to 1 p.m. on Wednesday, May 5 and Thursday, May 6, and

from 11 a.m. to 1 p.m. on Friday, May 7.

Further questions concerning her visit may be answered by calling the Women's Studies Program at Cornell: 256-6480.

Considered one of the most distinguished American poets of her generation, Rich is the author of twelve volumes of poetry, a study of motherhood, "Of Woman Born" (1976), and a collection of essays, "On Lies, Secrets, and Silence," (1979).

She has been, and continues to be, a critic of contemporary culture whose work has inspired fresh ways

of thinking about the academy and the world outside of its walls.

The recognition of Rich as a poet began three decades ago when her first volume of poems, "A Change of World," was chosen by W.H. Auden for the Yale Younger Poets Award.

Among the many honors she has received since 1951 are the National Book Award, two Guggenheim Fellowships and honorary degrees from Wheaton, Smith, William and Mary, and Swarthmore Colleges.

Her most recent collection of poems, "A Wild Patience Has Taken Me This Far," was published earlier this year.

Mathematician Lovasc Will Visit

Hungarian mathematician Laszlo Lovasz will be making his first visit to Cornell May 2 through 30 as one of the university's Andrew D. White Professors-at-Large.

He is scheduled to give a public lecture at 4:30 p.m. Monday, May 10 in Hollis E. Cornell Auditorium, Goldwin Smith Hall, on the complexity of algorithms. The talk is titled "What makes complexity complex?"

During his stay he will conduct a specialized research seminar on "factoring polynomials with rational coefficients and related topics."

He will also be available for appointments with students and faculty through the School of Operations Research and Industrial Engineering (256-4856).

Elected to a six-year term as a professor-at-large last summer, Lovasz, who is 34, has been a professor of mathematics at the University of Szeged since 1975. He has written approximately 100 research papers and three books in the areas of combinatorial mathematics, computer science, information theory and operations research.

He has served as chairman of his

department at the University of Szeged for six years, is editor-in-chief and founder of a new journal in combinatorial mathematics, and an associate editor of numerous other journals. He has won several prizes for his research including in 1980 the Information Theory Prize of the Institute of Electrical and Electronics Engineers, and in 1979 the George Polya Prize for Applied Combinatorics from the Society for Industrial and Applied Mathematics.

Ballots for Employee

Assembly and

Employee Trustee Are

Due in 165 Day

Hall by 4 p.m.

Wednesday, May 5.

Brief Reports

Roberts To Talk On Labor Trends

Lillian Roberts, industrial commissioner of the New York State Department of Labor, will speak on "Labor Trends: Minorities, Women and Public Policy," at 2:30 p.m. Friday, April 30, in the Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Roberts is the first black and the third woman to head the State Department of Labor. She previously was associate director of District Council 37 of the American Federation of State, County and Municipal Employees (AFSCME), AFL-CIO, in New York City. AFSCME is the largest union in New York City and is the largest municipal employees union in the nation representing 110,000 public employees in some 350 job classifications.

Roberts' lecture is free and open to the public and is being sponsored by the Minority Industrial and Labor Relations Student Organization.

Environment Award Nominations Due

Nominations of faculty and alumni for special awards in recognition of notable contributions to the cause of environmental protection are being accepted through May 15 by Gilbert Levine, director of the Center for Environmental Research and chairman of the local United Nations Environmental Program award committee.

Nominations can be made by individuals, groups or academic units and should have a brief supporting statement—no more than one double-spaced page. They should be

submitted to Levine at 468 Hollister Hall.

The awards are part of the UNEP's recognition of the 10th anniversary of the Stockholm Conference on the Environment.

Levine said the university will make an additional award "to the faculty member showing greatest promise for future contributions."

NROTC Will Host Eagle Scout Reunion

The Naval ROTC unit will be host to a one-day reunion of Ithaca area Eagle Scouts in Barton Hall from 9 a.m. to 7 p.m. Saturday, May 1.

All area Eagle Scouts, their families and friends are invited to take part in the day-long activities aimed at promoting fellowship and discussing ways to help area scouting programs.

Activities for the day will be developed by the local chapter of the National Eagle Scout Association, Baden-Powell Council, and will be led by Donald F. Worden, adviser. Additional information may be obtained by calling Wayne Getman at the Baden-Powell Council Service Center in Dryden, 844-8125.

Graduate Thesis Prize Is Offered

Competition for the 1982 Messenger-Chalmers Graduate Prize of \$500 is now under way at the university.

The prize is awarded annually to a graduate student for the thesis giving evidence of the best research and most fruitful thought in the field of human progress and the evolution of civilization during some period in

human history or during human history as a whole.

Deadline for submission is May 11; winners will be announced approximately two weeks later. Entries should be submitted to J. Victor Koschmann, 327 McGraw Hall.

Advanced graduate students with appropriate topics may submit their completed dissertations or a substantial portion of it.

The Messenger-Chalmers Prize was founded in 1902 by Hiram J. Messenger and supplemented in 1959 by Mrs. Henry Chalmers.

Speaking Stage Winners Named

Eight students shared a total of \$1,000 in prize money in the College of Agriculture and Life Sciences 15th annual public speaking competition known as the Eastman-Rice Speaking Stage.

The eight winners in the event which took place April 19 were first, Robin Lynch '85; second, James Petzing '82; third, Felise Milan '84, and fourth, Melissa Dammeyer '84.

Tied for fifth were Jennifer Brown '83, Linden Craig '84, Leslie Hassman '84 and Amy Siegle '83.

The Week in Sports

Heavyweight Crew Home Saturday

The Cornell heavyweight crew's first home regatta of the season is one of three home contests for Big Red athletic teams this weekend and highlights the Cornell sports scene this week.

The Big Red heavyweights will row against Princeton for the prestigious Carnegie Cup Saturday on the Ithaca Flood Control Channel (the Cayuga Lake inlet), starting with the first freshman race at 1 p.m. Other sports action at home over the weekend finds the women's tennis team entertaining Army at 3:30 p.m. Friday on the Kite Hill courts, and the women's track team facing Pennsylvania in a meet Saturday afternoon on Schoellkopf Field at one o'clock.

The heavyweight crew will be looking for its first win of the season when it rows against Princeton Saturday.

The women's tennis team closes out the dual match portion of its schedule Friday against Army. The Big Red is 3-1 on the season with victories over William Smith (7-0), Skidmore (6-3) and Colby (7-1). This will be the first match ever between Cornell and Army.

Saturday's meet with Penn will be the women's track team's only dual race of the season. The women opened their spring season by finishing sixth at the Ivy League championships. Senior Doriane Lambelet-McClive set a new school and Ivy League record in winning the 1500 meters race in 4:22.46, and she finished second in the 400-meter hurdles in school record time of 63.27. Freshman Audrey Pessu set a school record in the 100-meter hurdles with a third-place finish and a time of 14.89.

In other Cornell sports, the men's

serving for four years as its Southern Regional Director at Duke University and as National Program Director for one year.

As director of CURW, Johnson replaced the Rev. W. Jack Lewis, who served as director of CURW from 1965 until his retirement in April 1981. Rabbi Morris Goldfarb served as acting director after Lewis' retirement.

Merrill has been a member of the Cornell faculty since 1976. He is a 1960 graduate of Cornell and received his Sc.D. degree from the Massachusetts Institute of Technology in 1964.

Before coming to Cornell he was a member of the faculty at the University of California at Berkeley. Merrill is a member of the American Chemical Society and the American Institute of Chemical Engineers. He served as president of the Catalysis Society of California in 1970-71.

Music for both services will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, Sage Chapel choirmaster and university organist. Graduate Student Stephen May is assistant conductor and accompanist.

—Edna McConnell Clark—

Edna McConnell Clark, who with her family had been a long-time benefactor of the university, died April 21 at her summer home on Penzance Point, Woods Hole, Mass. She was 96.

Clark Hall was named for her and her late husband, W. Van Allen Clark '09, a Presidential Councillor. Mrs. Clark, her husband and the Edna McConnell Clark Foundation which they established, have given \$8.6 million to the university through the years. The Edna McConnell Clark Library in Clark Hall was named in her honor.

Two of the Clarks' sons and two grandsons are Cornell graduates. Their sons, Hays '41 and James '44, are members of the University Board of Trustees. Their son, W. Van Allen Jr., holds degrees from Williams and Massachusetts Institute of Technology. His son, Stephen, is a 1975 graduate of Cornell as is Hays Clark's son, Hays.

Mrs. Clark was the daughter of David Hall McConnell who, in the year she was born (1886), founded the California Perfume Co. That company became Avon Products in 1950, now the largest cosmetics firm in the world. Her husband, who died in 1976, had 55 years of service with Avon Products, including long service as chairman of the Board of Directors.

With the establishment and staffing of the Edna McConnell Clark Foundation in 1972, a large part of the Clark money was directed

towards helping those whom she referred to as "those least helped by the established institutions of society." Today the foundation, with assets in excess of \$200 million, concentrates its giving in four tightly defined fields, all directed towards helping the most disadvantaged.



A red-hot Cornell lacrosse team leaves the field with Coach Richie Moran after a period in last Saturday's 14-6 victory over Hobart.

lacrosse and baseball teams are enjoying outstanding seasons and both squads will be on the road for important games this weekend. The lacrosse team, 6-1 overall before Wednesday's game with Syracuse, travels to Princeton in a showdown for the Ivy League title. Like the Big Red, the Tigers are 4-0 in the league standings, so the winner of Saturday's game is guaranteed at least a share of the Ivy crown. Cornell has won or shared the league title each of the last eight years, has won 14 consecutive Ivy contests and nipped Princeton, 8-7, in winning the league championship last spring.

The baseball team comes off a very successful weekend in which it won three of four games, sweeping Yale on Saturday, 9-1 and 2-1, while splitting with Brown on Sunday, winning 5-3 for the first game and losing the nightcap 6-5. Cornell is now 13-5 overall and plays a doubleheader at Navy on Saturday and then goes to Princeton for a pair of games Sunday.

The men's tennis team also travels to Navy and Princeton this weekend. The squad is 11-2 on the season and 3-2 in the Eastern Intercollegiate Tennis Association, and needs just one more win to record 12 victories in a season for the first time since 1954. Tuesday, the Big Red will be home to entertain Colgate in a 4 p.m. match at the Kite Hill Courts.

The men's track and women's lacrosse teams both have big competitions planned for this weekend. The track team will be at the Heptagonals at Dartmouth, looking to improve on last year's seventh place finish at the meet. The women's lacrosse team will defend its New York state championship when it competes at the state tournament at Oneonta. Last year, the Red won the tournament for the first time ever.