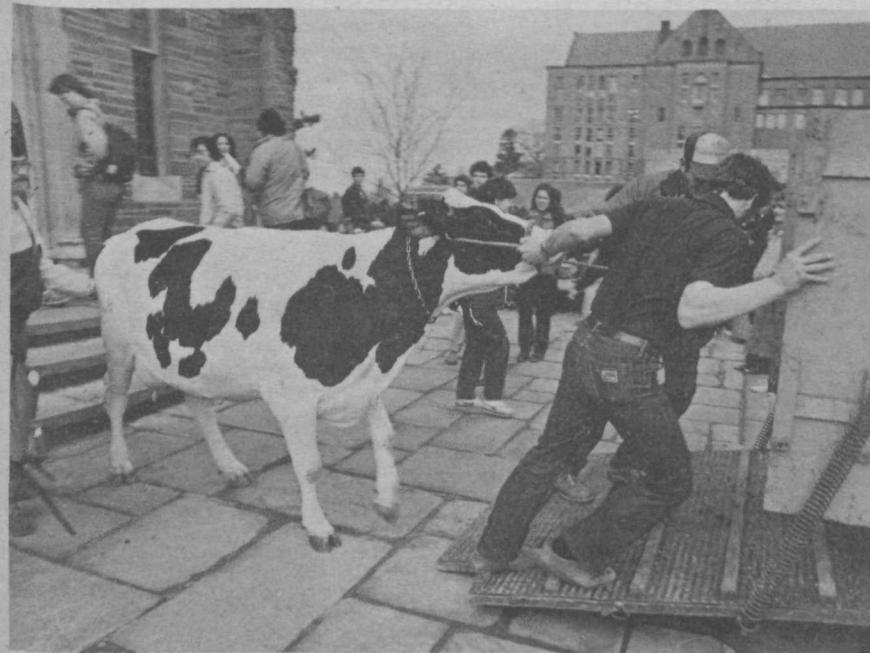


Cornell Chronicle

Volume 14, Number 23

Thursday, March 10, 1983



One of the stars of Ag Day Monday at Willard Straight Hall didn't want to leave. The cow, which was milked during the day by many of the people who attended the annual event, was led to the truck (right) by Bill Vanderwoude (at left), co-chair of Ag Day, and Fred Terwilliger of Animal Science.

New Proxy Review Committee Members Named

Group's Vote on Assigned Proxy Issues Will Be Final

The five members of the university's newly established Proxy Review Committee have been named in a joint announcement by President Frank Rhodes and Nelson Schaenen Jr., chairman of the University Board of Trustees Investment Committee.

President Rhodes said he was "particularly pleased with the diverse backgrounds of the new committee's members and their understanding of the university and many of the issues relating to social responsibility."

The committee members are John R. Geresi, Class of 1983, student trustee, New York State School of Human Ecology; Aubrey E. Robinson Jr., Class of 1943, alumni trustee and United States district judge for the District of Columbia; Charles T. Stewart, Class of 1940, trustee-at-large and chairman of the Executive Committee

of the Cornell Board of Trustees and attorney with Winthrop, Stimson, Putnam & Roberts, a New York City law firm.

Also named were Patricia Carry Stewart, Class of 1950, trustee-at-large and vice president for finance and administration of The Edna McConnell Clark Foundation in New York City, and Erik Thorbecke, the H. Edward Babcock Professor of Economics & Food Economics and a specialist in economic development, particularly in third world countries.

Geresi and the Stewarts are members of the board's Investment Committee and Thorbecke's membership is one that will alternate between faculty and staff.

Rhodes said the new committee has been considerably strengthened by Patricia Carry Stewart's willingness to serve as chairperson. He pointed out that she is a director, a former chairman and a founder

of the Investor Responsibility Research Center, Inc. headquartered in Washington, D.C. The center was established in 1972 by a group of the nation's leading universities and foundations to provide impartial and factual analyses of issues of social concern raised on corporate proxies.

Although originally it had been planned that four of the committee members would also be members of the Investment Committee, it developed that other members of the Investment Committee were unable to serve due to other board, professional, or personal commitments. "Therefore," the president said, "we selected Robinson from the board at large."

Under Cornell's new policy the review committee's vote on assigned proxy issues will be final. Also, normally the university will not vote any proxies on social responsibility issues other than those upon which

the review committee votes.

An organizational meeting of the new committee will take place at the trustee board meetings March 25 and 26. At that time the committee will decide on its activities for the coming year including the proxy issues it will review this spring and the best way to obtain the views of the campus community on the issues to be voted upon.

Rhodes said that other than South Africa there are at least 19 general issues being raised by church groups and others which might apply to companies in Cornell's portfolio.

"The committee undoubtedly will have to limit severely its agenda this spring considering the variety and complexities of the issues and the short time left before the proxy vote season," the president said.

Rhodes Tells Congress Importance of Research

Asks 'New National Priority' for Universities' Research Efforts

University research programs, "the base of the pyramid of progress" in America, must be rebuilt and strengthened through federal government support, President Frank Rhodes told a House Budget Committee hearing in Washington, D.C., March 1.

Rhodes was one of four university administrators to speak on behalf of the 50-member Association of American Universities and four other groups representing schools which do most federally-supported research.

He called 1984 budget requests by the National Science Foundation, the Department of Energy and the Department of Defense "excellent foundations on which to build," but asked Congress to go further and establish "a new national priority."

Bipartisan support would be needed from six agencies, Rhodes said: NSF, DOE,

DOD, NASA, the Department of Agriculture and the National Institutes of Health.

The aims of the new initiative would be:

- to create incentives to assure a steady and balanced supply of graduate students, not only in science and technology, but across the whole range of academic disciplines;

- to provide career development awards to encourage talented young men and women to pursue careers in university teaching and research;
- to provide adequate modern research equipment and facilities by providing steady funding for instrumentation and laboratory rehabilitation.

In his presentation Rhodes assessed graduate programs, prospects for young faculty, research instrumentation needs and facilities needs.

He warned that if graduate education is

not attended to, the U.S. will "fall behind those nations that do." Despite a history of federal support for scientific research and some positive signs in the 1984 budget, investment in a number of "core programs...has diminished...almost to the vanishing point," he said.

Federally funded fellowships have declined from 51,000 in 1969 to fewer than 10,000 today, according to Rhodes. He suggested a program of three-year graduate awards to individuals, plus awards to students through schools carrying out basic research.

Rhodes said young Ph.D.'s find "the attractiveness of an academic career is being diminished" by salaries that are lower than in industry and by inadequate facilities in the universities.

Some 2,000 engineering faculty jobs are unfilled, he said, "and the outlook for

improvement is bleak."

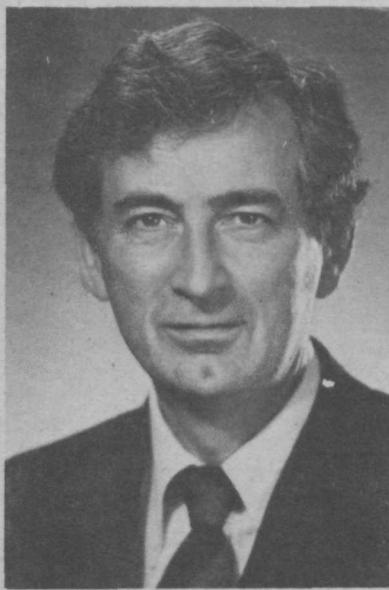
He praised a proposed NSF program for young Ph.D.'s and said "it is time for the mission agencies of the Federal government to undertake comparable programs to enhance (their) human resource pool...."

Rhodes urged the committee to support "important initiatives" taken over the last three years that have "increased significantly" federal investment in research instrumentation. He said these are seen as starting points toward a complete government reinvestment strategy for the 1980s.

In addition, the government must assist "financially-pressed institutions" when it comes to the rehabilitation of research laboratories, he said, "because the alternative is the progressive deterioration of (facilities) essential to the various missions of government."

Thursday, March 10, 1983

Barker Nominated to Be New VP for Research



ROBERT BARKER

Robert Barker, director of the Division of Biological Sciences and professor of biochemistry, will be nominated as vice president for research and advanced studies, Cornell President Frank Rhodes has announced. The appointment will be reviewed and acted upon by the Board of Trustees at its meeting later this month.

Barker would take the place of W. Donald Cooke, who will retire in June after more than 13 years as vice president for research. The appointment is effective July 1, 1983.

Commenting on the appointment, President Rhodes said, "I am particularly pleased that Dr. Barker has agreed to accept nomination as vice president for research. Since coming to Cornell, he has provided superb leadership for the Division of Biological Sciences. The biological sciences embrace both the endowed and the statutory colleges, and the understanding that Dr. Barker has of both components of the University will be of particular benefit in his new role."

"In the last few months, Dr. Barker has

also been responsible for coordinating the University's efforts in biotechnology, and he has proved outstandingly successful in developing industrial support and in coordinating the efforts of members of the University community," Rhodes said.

"Dr. Barker will benefit from the solid foundation that Don Cooke has established in the office of the vice presidency over the last 13 years. We are fortunate that Don Cooke's advice will still be available in the years ahead," Rhodes said. "I want to thank members of the search committee who played such an active and helpful role in reviewing candidates for the position of vice president for research. Dr. Barker's nomination has the unanimous support of the search committee."

"I look forward with great pleasure to working closely with Dr. Barker in developing and enhancing our research and graduate education programs and in supporting the new initiatives which will be needed in the coming years to strengthen those areas," President Rhodes said.

As one of six vice presidents at Cornell,

Barker would have overall responsibility for research programs which, in fiscal year 1982, totalled \$144.3 million. In addition to having responsibility for the office of sponsored research, Barker would also be responsible for graduate education and for corporate liaison in the area of research. This new arrangement, which was recommended by a committee chaired by Professor of Physics Peter Stein, would give added responsibility to the office of vice president for research. The dean of the Graduate School would report to the vice president for research and advanced studies, rather than to the provost.

Barker came to Cornell as director of the Division of Biological Sciences in 1979 after holding faculty posts at the University of Iowa and Michigan State University, where he was chairman of the Department of Biochemistry. He has an active research program concerned with the molecular structure of cell surfaces and is the author or co-author of more than 70 publications including a book on organic aspects of biochemistry.

New Plan Proposed for Collecting Parking Fines

At last week's meeting of the Employee Assembly, William Wendt, director of transportation services, discussed proposed changes in the collection process for on-campus parking fines for faculty and staff.

The change would involve an increase from the present 10 working days to 15 from the time a ticket is issued to pay the fine or start an appeal; the addition of a \$5 late charge after the initial 15 working days are up if the fine is not paid; a shortening from the present 90 to 45 days of the appeals process and, as a final resort, involuntary payroll deduction.

The changes are being recommended by the University Assembly's Committee on Transportation, and will go before the University Assembly at 4:45 p.m. today in 200 ILR Conference Center. The meeting is open to all members of the community.

The Employee Assembly met again yesterday to discuss the proposal further. The outcome of both meetings will be reported in the Chronicle next week.

The changes are being proposed, according to Wendt, because the present collection process is inequitable and not effective. Current legislative authority permits collection of student parking fines through the Bursar's Office, but does not provide an effective means of preventing the accumulation of large numbers of past due fines by faculty and staff.

"The new system is designed to encourage prompt payment of fines or appeals and to make the appeals process more efficient," Wendt said. "We are not promoting involuntary payroll deduction but see it only as a last resort. We do at the present time, have voluntary payroll deduction if people want to use that method to

pay their fines."

According to Wendt, there are currently 482 faculty and staff members who owe a total of \$28,155 in past due fines. Of that amount, \$17,740 was from the 1981-82 fiscal year. There is one individual on campus who owes more than \$1,000.

In the last fiscal year, there were 875 cars towed from the campus. Of that number 575 of those were cars owned by people who have five or more unpaid parking tickets. There are 530 people who now have from one to five unpaid parking tickets, Wendt said.

"Many of the people who are abusing the system are those who are here for a short period of time, one or two years, who know they can get away with it and can leave without having to pay their fines," Wendt said. "The 'good citizens' are, in effect, paying for those who are abusing the

system.

"The whole process might not cure those who are abusing the system," Wendt said, "but it will eliminate squeezing people out of the system because they wouldn't be able to accumulate large amounts of tickets, would be able to register their cars with the university and wouldn't be subject to towing."

If the proposal receives endorsement by various groups on campus, it will then go to the Board of Trustees. If the board endorses it, it must then go to the New York State Legislature for a Charter Change.

"This system of fines collection will not be unique to Cornell," Wendt said. "It is the same system that is used on all SUNY campuses and other university campuses which police and regulate their streets, roadways and parking facilities."

Layoffs in Statutory Units Reach Total of 39

University Vice Provost James W. Spencer issued the following information Wednesday concerning the statutory college layoffs at the university:

The number of employees laid off is now 39, which is made up of 36 non-academic and three academic employees. All the academic are non-professorial, two in the New York State College of Agriculture and Life Sciences and one in the New York State College of Human Ecology.

"Among the non-academic layoffs, the breakdown is as follows:

Agriculture and Life Sciences	14
College of Human Ecology	4
School of Industrial & Labor Relations	0
College of Veterinary Medicine	8
General Services	10
Total	36

"Industrial & Labor Relations had been scheduled for three layoffs, but those were made unnecessary by transfers of employ-

ees to other positions within the school.

"In addition to the layoffs at the College of Human Ecology, several academic positions have been reduced to less-than full-time."

"The remaining building guards in the Department of Public Safety have been laid off. The action is partly the result of the current funding situation and partly that of the final stage of implementing the Build-

ing User Program first adopted in 1979. Under this plan, primary responsibility for building security has been shifting to building users.

"The number of building guards has been reduced from its peak of 50 to the current 12 through attrition and some prior layoffs. Implementing the final stage of the Build-

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Cornell Chronicle

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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.

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.

NOTICE TO ALL APPLICANTS

Job Opportunities will publish vacancy announcements on a limited basis until further notice.

Staffing Services will continue to accept employment applications and employee transfer requests. However, these items will be processed only after individuals with official University Layoff Status are given preferential consideration.

Administrative/Professional Area Coordinator for Residence Staff, Training and Program Development (Residence Life) (Tentative Position)

Junior Architectural Designer/Technician (Facilities Engineering)
Applications Programmer I (Vet. Med. Computing Facility) (2 positions)

Farm Manager II (Pomology and Viticulture (Geneva))

General Services
University Service Officer, GR20/21 (Public Safety)

Academic
Assistant Professor of Costume Design (Theatre 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.



McGraw Tower is getting two new bells—an E-flat (on the hoist at left) and an A (right). The E-flat bell is replacing one which was originally donated by the Class of 1914. The new E-flat is being funded by a donation from the disbanded Theta Chapter of Delta Sigma Phi fraternity. The A bell was donated by Ithacan Ina Winsor in memory of her husband, Andrew (Ph.D. '29), and her daughter, Katherine Winsor Pringle '45. Because of the weight of the bells, 397 and 187 pounds respectively, the crane had to be used to hoist them into the belfry. The A bell is the first to be added since 1939.



Classes Planned on Labor Day This Fall

There will be classes at Cornell on Labor Day this September, according to a memorandum to the faculty from Provost W. Keith Kennedy concerning the 1983-84 academic calendar.

Fall term instruction will begin on Wednesday, Aug. 31, and classes will be held on Saturday, Sept. 3, and on Monday, Sept. 5, Labor Day, "in accordance with the usual weekly schedule," Kennedy said.

In the 1982-83 school year, no classes were held on Labor Day, but the classes scheduled for that day were held on the previous Saturday.

In explaining the 1983-84 arrangement, Kennedy said: "Starting classes prior to Labor Day and then having a three-day break leaves the students, especially the entering students, at loose ends when a long weekend is not needed."

Kennedy noted that the New York State School of Industrial and Labor Relations will hold a convocation for its students on Labor Day, and expressed the hope that

faculty would allow ILR students to make up any work they miss that day.

Kennedy's memo also noted that the current practice of having final examinations on Saturday and Sunday would continue.

"We recognize that some students and faculty are offended by having exams on Saturday and Sunday and we sincerely wish that the fall semester were less crowded" so that arrangement could be eliminated, Kennedy said.

Califano to Discuss Biomedical Science Issues

Former Secretary of Health Education and Welfare Joseph A. Califano Jr. will discuss the medical and legal issues raised by advances in biomedical sciences during a public lecture at 3:30 p.m., Wednesday, March 16, in the Moot Court Room of the Law School.

Califano, who will be giving the law school's prestigious Irvine Lecture for 1982-83, will relate these issues to his experiences as head of H.E.W. from 1977 to 1979 and discuss the government's involvement in health research and health care.

The formal title of his talk is "Politcizing God and Science: Whatever Happened to the Difference Between Madame Curie and Dr. Frankenstein."

Currently the senior partner in the Washington, D.C. office of a national law firm, Califano is the author of several books on public issues, including "Governing America - An Insider's Report from the White House and the Cabinet," and "The 1982 Report on Drug Abuse and Alcoholism."

Born in Brooklyn, Califano received his bachelor of arts degree from The College of the Holy Cross in Worcester, Mass., in 1952 and his LL.B. magna cum laude, from Harvard Law School in 1955.

He served as an officer in the U.S. Navy from 1955 through 1958. He practiced law privately and served in various federal government departments until 1965 when he was appointed special assistant to President Lyndon B. Johnson. He was charged with developing the president's legislative program as well as helping coordinate economic policies and served in this position until January 1969. The New York Times called him "The Deputy President for Domestic Affairs."

His book entitled "The Student Revolution: A Global Confrontation," was published by W.W. Norton in 1969.

During his tenure as head of H.E.W. he is credited with putting the department through the most complete reorganization in its 25 year history.

Petitions Now Circulating For Elections

Students and employees interested in running for seats on the Student and Employee Assemblies and for student or employee trustee should pick up petitions at 165 Day Hall.

Petitioning for students began March 1 and will continue until 4 p.m. Thursday, March 15. For employees, petitioning has also begun and will continue through 4 p.m. Friday, March 31. Undergraduate students who want to run for Student Assembly need 50 signatures; graduate and professional students need 25 signatures. Employees need 25 signatures. For student trustee, 200 signatures are required. For employee trustee, 100.

All petitions submitted will be validated by the Elections Committee and will be made available for any member of the community who wants to examine them. Challenges should be filed at 165 Day Hall no later than 4 p.m. Monday, April 4, for employees and 4 p.m. Tuesday, April 5, for students.

There are 23 seats on the Student Assembly. One each, elected by and from within the College of Architecture, Art and Planning; Hotel; Human Ecology; Industrial and Labor Relations; College of Veterinary Medicine, Business and Public Administration and Law. Two each elected by and from within Agriculture and Life Sciences, Arts and Sciences, Engineering and the Graduate School. Eight at-large seats are elected by all students. Two of the at-large seats are reserved for minority students and one is reserved for an international student.

There are two student trustee seats, each for two-year terms. They will be elected by the entire student body.

For Employee Assembly, there are seven two-year vacancies—one exempt and two non-exempt from the statutory units; one exempt, one non-exempt and one at-large from the endowed units. There is also one vacancy for Geneva at-large representation. Geneva petitioning was held Feb. 1-28.

For employee trustee, there is one two-year term vacancy.

The Employee Assembly members and the Employee Trustee will be voted on by all Cornell employees, at both the Ithaca and Geneva campuses.

A complete list of guidelines for petitioning as well as referendum petitions are available at the Office of the Assemblies, 165 Day Hall, 256-3715.



JOSEPH A. CALIFANO JR.

Thursday, March 10, 1983

Calendar

Colloquia

Friday

Mar. 18, 12:15-1:15 p.m. Uris Hall 202. "Small Area Demographics on a Microcomputer: A Demonstration Using NYS Data on an Osborne I," Thomas G. Exter, Visiting Fellow, CISER, Dept. of Sociology, Cornell.

Dance

Every Thursday

Anabel Taylor One World Room, 8 p.m.-8:30 p.m. teaching, 9-11 p.m. requests. Beginners through advanced. Everyone welcome.

Every Sunday

Willard Straight North Room, 7:30 p.m.-7:30-8:30 p.m. teaching, 8:30-10:45 p.m. requests. Beginners and dancers at all levels welcome. Cornell International Folk Dancers.

Wednesday

Mar. 16, 7:30-11 p.m. Risley Dining Room, Ground Floor. International Folk Dancing; teaching 7:30-8:30 p.m., requests 8:30-10:45 p.m. Beginners and dancers at all levels welcome.

Exhibits

Olin Library Valadimir Nabokov: his correspondence, photographs, first editions, butterflies. Through March 29. On Sat., Mar. 29, the Rare Book Room of Olin, which is usually closed Saturdays, will be open from 11 a.m.-3 p.m. for the benefit of visitors who are unable to get to see the exhibit during the week.

Uris Library Puppets and marionettes and their theatres. Through Mar. 23.

Herbert F. Johnson Museum An exhibition of works by artist Joshua Neustein will open on Wed., Mar. 16: "Bethlehem Series." Through April 17. Museum hours: 10 a.m.-5 p.m., Tuesday through Sunday.

Laboratory of Ornithology "The Shorebirds of North America." An exhibit of accomplished bird artist Robert Verity Clem. These 29 opaque watercolors were used to illustrate the book "The Shorebirds of North America." Prints of his works are for sale at the Laboratory for \$20. Exhibit runs through April. Laboratory hours: Monday through Thursday, 8 a.m.-5 p.m.; Friday, 9 a.m.-4 p.m.; Saturday and Sunday, 10 a.m.-5 p.m. Laboratory is located at 159 Sapsucker Woods Road.

Willard Straight Art Room Willard Straight Administration Board Art Opening Presentation on Monday, Mar. 14, 8 p.m. Admission charged.

Prints by William Blake

"Prints by William Blake and His Followers" will open at the Herbert F. Johnson Museum of Art on Wednesday, March 16 and will run through Sunday, April 17. This exhibition includes prints executed by Blake (1757-1827) in the last decade of his life, in addition to works by artists who worked with him or were influenced by his creations.

This exhibition is being held in conjunction with an exhibition entitled "William Blake: Illustrator and Poet," to be held at Rare Books, Olin Library, April 1-May 6. Both exhibits are being held in conjunction with the symposium "Blake: Ancient and Modern," which will take place on campus April 8 and 9. During the symposium, the ways in which the traditions and techniques of printmaking and printing affected Blake's poetry, art and art theory will be explored.

The first session of the symposium will be held from 4:30 to 6:30 p.m. April 8 in the Hollis Cornell Auditorium, Goldwin Smith Hall. The morning session of the symposium for Saturday, April 9, will take place in the Johnson Museum lecture room from 10 a.m. to noon. It will then continue from 1:30 to 5:30 p.m. in the Hollis Cornell Auditorium.

Both an artist and a writer, Blake illustrated books and poems by other authors in addition to illustrating and printing his own poetry. Most notable among the works created by Blake during the last years of his career are the wood engravings which illustrate Thornton's "The Pastoral of Virgil."

All 17 of the illustrations will be included in the exhibition along with prints by John Linnell, Blake's major patron during this period and an artist with whom Blake collaborated in the execution of several prints.

The complete graphic art of Edward Calvert, George Richmond, Welby Sherman and Samuel Palmer, members of a group referred to as "The Ancients," who were influenced by Blake's later prints, is also included in the exhibition.

Sponsors of the Blake symposium are: the Johnson Museum, the Society for the Humanities.

All items for publication in the Calendar section, except for Seminar notices, must be submitted (typewritten, doublespaced) 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

Weigh Station

Want to lose excess holiday lbs? Want to lose more? Get down to the real you, more alive and energetic. Come to the Weigh Station at Barton Hall each Thursday from 12 noon-1 p.m. For more information call Jan Gibbs at 257-0853.

Al-Anon

Al-Anon offers confidential group support for friends and relatives of people with drinking problems. Meets every Thursday evening, 8:15 p.m.-9:15 p.m., in Anabel Taylor Founders Room. Next meeting, March 10. No dues or fees.

Asian American Coalition Conference

Conference will be held on Fri., Mar. 12, 12 noon-5 p.m. at Goldwin Smith Kaufmann Auditorium. Topic: "Are Asians A Minority?"

Poetry Reading

Husband and wife, Donald Finkel and Constance Urdang, will give a poetry reading, March 10 at 8 p.m. in Goldwin Smith Temple of Zeus.

Comedy

Mar. 12, 8 & 10:30 p.m. University Unions Program Board will present "Second City TV National Touring Company." Admission will be charged. Location is Statler Auditorium.

Wednesday

Mar. 16, noon Straight Lobby. WSH Program Board Opinion Poll on current events.

Mar. 16, 9 p.m. Straight Browsing Library. Social Hour with David Drinkwater on "Growing."

Monday

Mar. 14, 7:30 p.m. Anabel Taylor Chapel. Amnesty International: come see how we attempt to protect human rights and freedom of thought throughout the world. Movie: "Prisoners of Conscience," discussion and action. All welcome.

Thursday

Mar. 17, 4 p.m. Gail Mazur, poet, editor, and director of the Blacksmith House Poetry Reading Series in Cambridge, Mass., will be reading her poetry in Goldwin Smith, Temple of Zeus. Sponsored by the Creative Writing/Reading Committee of the English Department, Cornell.

Resume Workshop

Workshop will deal with how to locate international jobs, what employers look for in resume and interviews, resume "banks" available. Sample resumes from those attending will be reviewed and suggestions made on how to improve them. Emphasis will be on non-governmental jobs. Co-sponsored by Women in International Development and the Career Center. Held Thurs., Mar. 10, 7:30 p.m. in Uris Hall 202.

Job Opportunities In International Development

Workshop with a number of agencies including World Bank, FAO-UN, Transcentury Foundation, US AID and DAI will be represented to discuss employment opportunities. Sponsored by Camel Breeders and Career Center. All interested in international work is invited. Will be held Fri., Mar. 11, 2-5 p.m. in Warren 401.

Workshop on Writing Grants

Follow up to Fridays Workshop on Jobs, department faculty will be available to discuss procedures for preparing proposals and grant applications. Advice will be given on preparing multidisciplinary grants, Sources of funding for small development grants and approaching funding agencies. Sponsored by Camel Breeders. Workshop held Sat., Mar. 12, 9 a.m.-noon in 401 Warren.

Disarmament Study Group Breakfast

Held every Thursday morning at 7:30 a.m. in the One World Room of Anabel Taylor Hall. All welcome. 50 cents to \$1 charged to cover cost of breakfast.

the College of Arts and Sciences, the Department of Art History, the English Department, the Council for the Creative and Performing Arts, the University Lecture Committee, the Mellon Foundation and the Cornell Libraries. Both exhibitions and the symposium have been organized by Joseph Visconti, Mellon Fellow in the Humanities.

The Johnson Museum is open 10 a.m. to 5 p.m. Tuesday through Sunday.

Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

Thursday

Mar. 10, 8 p.m. Uris Hall Auditorium. "Todos Santos Cuchumatan: Report from a Guatemalan Village" and "The BrickMakers." Sponsored by Committee on US Latin American Relations. Free and open to the community.

Friday

Mar. 11, 8 p.m. *Statler Auditorium. "Das Boot" (1982), directed by Wolfgang Petersen, with Jurgen Prochnow, Herbert Gronemeyer.

Mar. 11, 10 p.m. *Uris Hall Auditorium. "Wasn't That a Time?" (1980), directed by Jim Brown, with The Weavers, Holly Near. Co-sponsored by Cornell Folk Song Club. Bill Steele will play after the film.

Mar. 11, 11:15 p.m. *Statler Auditorium. "The Secret Policeman's Other Ball" (1982), directed by Julian Temple, with Monty Python, Peter Cook, Peter Townsend.

Saturday

Mar. 12, 7 p.m. *Uris Hall Auditorium. "Wasn't That a Time?"

Mar. 12, 8 p.m. Risley Music Room. Risley Free Film Series: "Brief Encounter." Free and open to the community.

Mar. 12, 9 p.m. *Uris Hall Auditorium. "Das Boot" (1982).

Mar. 12, 12 mid. *Uris Hall Auditorium. "The Secret Policeman's Other Ball" (1982).

Sunday

Mar. 13, 3 p.m. *Uris Hall Auditorium. "Island of the Blue Dolphins" (1964), directed by James B. Clark, with Celia Kaye, Old Yeller, Jr. Co-sponsored by Ithaca Youth Bureau.

Mar. 13, 8 p.m. *Uris Hall Auditorium. "Beau Geste" (1939), directed by William Wellman, with Gary Cooper, Ray Milland. Co-sponsored by Near Eastern Studies.

Monday

Mar. 14, 7 p.m. *Uris Hall Auditorium. "Gold Diggers of 1933" (1933), directed by Mervyn LeRoy, with Joan Blondell, Ginger Rogers. Co-sponsored by the English Department.

Mar. 14, 9 p.m. *Uris Hall Auditorium. "Love Affair, or the Case of the Missing Switchboard Operator" (1937), directed by Dusan Makavejev, with Eva Ras. Shown with: Dangling Participants. Film Club Members only.

Tuesday

Mar. 15, 7 p.m. *Uris Hall Auditorium. "Conversations with Willard Van Dyke" (1982), directed by Amalie Rothschild, with Willard van Dyke.

Mar. 15, 4:30 p.m. Rockefeller D. Southeast Asia Free Film Series: "Children of Bangkok" and Bangkok, Scenes of the City." Free and open to the community.

Mar. 15, 8:30 p.m. *Uris Hall Auditorium. Guest Photographer: Willard Van Dyke lecturing about Film and photography. Excerpts from "Valley Town" and "The City" will be shown as well. Co-sponsored by CCPA and Young Filmmakers.

Wednesday

Mar. 16, 7 p.m. Ives 120. BBC Nature Film Festival: "Vampire" and "Impossible Bird." Sponsored by the Division of Summer Session, Extramural Courses, and Related Programs at Cornell.

Mar. 16, 8 p.m. *Uris Hall Auditorium. "Laughter in the Dark" (1969), directed by Tony Richardson, with Nicol Williamson, Anna Karina.

Thursday

Mar. 17, 7:30 p.m. *Uris Hall Auditorium. "Not a Love Story" (1981), directed by Bonnie Scherf Klein, with Linda Lee Tracy, Robin Morgan, Kate Millett. Co-sponsored by Ithaca College, Department of Women's Studies at Cornell. Rated X.

Friday

Mar. 18, 8 p.m. *Statler Auditorium. "Quadruphenia" (1979), directed by Franc Roddam, with Phil Daniels, Sting.

Mar. 18, 10 p.m. *Uris Hall Auditorium. "Not a Love Story" (1981).

Mar. 18, 10:30 p.m. *Statler. "Raiders of the Lost Ark" (1981), directed by Steven Spielberg, with Harrison Ford, Karen Allen.

Saturday

Mar. 19, 7 & 9:30 p.m. *Statler. "Raiders of the Lost Ark."

1983 MARCH 1983						
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Mar. 19, 8 & 10 p.m. *Uris Hall Auditorium. "The Devil's Playground" (1976), directed by Fred Schepisi, with Arthur Dignam, Simon Burke.

Mar. 19, 12 mid. *Statler Auditorium. "Quadruphenia" (1979).

Sunday

Mar. 20, 2 p.m. *Uris Hall Auditorium.

"Raiders of the Lost Ark."

Mar. 20, 7 p.m. *Uris Hall Auditorium. "A Portrait of the Artist as a Young Man" (1978), directed by Joseph Strick, with T.P. McKenna, Sir John Gielgud. Co-sponsored by the English Department.

Mar. 20, 8 p.m. *Uris Hall Auditorium. "Ram-parts of Clay" (1970), directed by Jean-Louis Bertucelli, with native cast. Co-sponsored by Department of Near Eastern Studies.

Lectures

Thursday

Mar. 10, 12:20 p.m. 102 West Ave. Southeast Asia Program brown-bag seminar: "New Issues in Asian Agriculture," Dr. Theodore Smith, Agricultural Development Council, NY. Bring your lunch, coffee and cookies provided.

Mar. 10, 4:30 p.m. Telluride House, 217 West Ave. "On Censorship; Staying Power," Mary Lydon, Fellow, Society for the Humanities. Sponsored by Telluride House.

Mar. 10, 4:30 p.m. Goldwin Smith 225. Renaissance Colloquium: "Jean Fernel and the Renaissance Language of Life," James Bono, Postdoctoral Fellow, History, Cornell University.

Mar. 10, 7:30 p.m. Stimson G-1. Jordani: Natural History Society: "A Question of Identity—the Call of the Blackcapped Chickadee," Steve Nowicki.

Mar. 10, 9 p.m. Browsing Library Willard Straight. WSH Program Board presents "Rendezvous with Ideas" with Robert Summers. Topic to be announced.

Friday

Mar. 11, 3:30 p.m. Ives 110. "Contributions of Psychology to Interdisciplinary Semantics," Ragnar Rommetveit, Professor of Psychology, University of Oslo, and A.D. White Professor-at-Large. Public lecture.

Mar. 11, 4:30 p.m. A.D. White House. "For Example," Debra Fried. Sponsored by The Literature Club.

Tuesday

Mar. 15, 4:30 p.m. Goldwin Smith Hollis Cornell Audit. Society for the Humanities Annual Invitational Lecture. Uri Bronfenbrenner, Jacob Gould Schurman Professor of Human Development and Family Studies and Psychology: "On Making Human Beings Human."

March 15, 4:30 p.m. Kaufmann Auditorium, Goldwin Smith Hall. Adeline Gordon Levine on "Love Canal Before and After: Dilemmas and Controversies," cosponsored by the Departments of Sociology, Design and Environmental Analysis, Civil and Environmental Engineering and the Program on Science, Technology and Society.

Wednesday

Mar. 16, 3:30 p.m. Myron Taylor Moot Courtroom, Cornell Law School. 1982-83 Irvine Lecture; "Politicizing God and Science: Whatever Happened to the Difference Between Madame Curie and Dr. Frankenstein," Joseph A. Califano, Jr., Secretary of Health Education and Welfare from 1977 to 1979 and currently practices law as the senior partner of the Washington office of Dewey, Ballantine, Bushby, Palmer and Wood. Public is invited.

Mar. 16, 7 p.m. Ives 120. BBC Nature Film Festival followed by a Special Course: "Beyond Natural History," led by Drs. Eisner and Walcott. Sponsored by Division of Summer Session, Extramural Courses, and Related Programs at Cornell.

Mar. 16, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "Genetic Disease and Genetic Engineering-Threat or Promise," Abrian Srb, Professor of Genetic Development.

Thursday

ness Students Committee on Professional Ethics. Mar. 17, 4:30 p.m. Goldwin Smith Kaufmann Auditorium. "On Being Half Romantic," Carl Woodring, Dept. of English & Comparative Literature, Columbia University. Sponsored by Society for the Humanities.

Mar. 17, 7:30 p.m. Stimson G-1. Jordani: Natural History Society: "Sex Among the Rocks-the Making of Small Sticklebacks," Hal Weeks.

Mar. 17, 7:30 p.m. Uris Hall Auditorium. Film and discussion: "Not a Love Story" directed by Bonnie Sherr Klein. Discussants: Sandra Bem, Professor, Psychology/Women's Studies, Cornell; Zillah Eisenstein, Professor, Politics, Ithaca College. Moderator: Patty Zimmermann, Cinema/Photography, Ithaca College. Co-sponsored by Women's Studies, Cornell, Cornell Cinema, Ithaca College.

Mar. 17, 9 p.m. Straight Browsing Library. Rendezvous with ideas: "Why You Shouldn't Go to Professional School," Ronald Hoffman. Sponsored by Willard Straight Program Board.

Mar. 17, 7:30 p.m. Anabel Taylor Auditorium. Cornell University Summer Session, Department of Asian Studies and the Ithaca Zen Center present Zen Master Joshu Sasaki: "Zen: The Heart of the Great Matter."

Music

Lutoslawski Concerts Scheduled

As the major events in the university's celebration of Witold Lutoslawski's 70th year, the Contemporary Music Festival will present two free public concerts at 8:15 p.m. Thursday and Friday, March 10, and 11, in Barnes Hall.

As the featured work on the Thursday concert, the Audubon Quartet will play the Polish composer's only String Quartet (1964). Other quartets on the program are Mozart's classical Quartet in D minor, K. 421 and Shostakovich's Quartet No. 8 in C minor (1960), the latter dedicated to "the Memory of the Victims of Fascism and War."

Making up the Audubon Quartet are Toby Appel and Sharon Smith Polifrone, violins; Doris Lederer Horowitz, viola; Thomas Shaw, cello. They are artists-in-residence at Virginia Polytechnic and State University and in summer are at the Gretna Festival in Pennsylvania. As individual artists they have trained at leading American music schools with such teachers as Ivan Galamian, Michael Tree, Max Aronoff, Aaron Rosand and Aldo Parisot.

On the international scene the quartet won several world competitions, receiving first prizes at competitions in the Festival Villa-Lobos in Brazil; Evian, France; and Portsmouth, England. In the 1981-82 season the Audubon became the first American quartet to tour the People's Republic of China.

The Syracuse Society for New Music and several other guests will salute Lutoslawski Friday evening with a program of his chamber music. Soprano Neva Pilgrim and Pianist Lorene Forsyth will open the concert with Five Songs on Texts of Kazimiera Illakowicz (1956-57). Four of these were dedicated to Nadia Boulanger on her 70th birthday. Oboist Peter Hedrick and pianist Mary Ann Covert will play Epitaph, written for the late Scottish composer Alan Richardson.

The first United States performance of Lutoslawski's 1981 Grave: Metamorphoses for Cello and Piano will be presented by Lynden Cranham and Covert. Grave mourns the death, in 1980, of Polish musicologist and critic Stefan Jarocinski.

Edward Murray will conduct a string quartet and woodwind quintet in Preludia taneczne and a string orchestra in Preludes and Fugue. The Dance Preludes, dating from 1954, are based on folksongs of northern Poland and represent Lutoslawski's "farewell to folklore." Preludes and Fugue is a showpiece for 13 solo strings.

According to Steven Stucky, chairman of the festival and authority on Lutoslawski, the seven preludes are varied little character pieces. "The preludes are like musical hors d'oeuvres. The main course is the large fugue, in which Lutoslawski modernizes that venerable form to create a musical experience both intellectually challenging and emotionally satisfying."

Wind Ensemble Concert Sunday

The Cornell Wind Ensemble, numbering 55 student members, will present a free public concert at 4 p.m. Sunday, March 13, in Bailey Hall. Joining the ensemble and director Marice Stith are guest conductor-composer Anthony Iannaccone and guest soloist Steven Mauk, alto saxophone.

Iannaccone will conduct the premiere of one of his works, Orpheus, a piece from his Images of Song and Dance, No. 1. He will also lead the band in his compositions After a Gentle Rain and Plymouth Trilogy. Reviewing a Guggenheim



Will Cooke will be seen as Argan in Theatre Cornell's production of Moliere's "The Imaginary Invalid," which will be presented in Drummond Studio March 10-12, 17-19 and 24-26 at 8:15 p.m. and March 20 at 2:30 p.m. Director Jonn Rainey has chosen to present the translation of the late Morris Bishop. Tickets are available at the Theatre Cornell Box Office, lower floor Willard Straight Hall, telephone 256-5165.

Band concert in the New York Times recently, Bernard Hollard said that After a Gentle Rain was "probably the most successful piece in terms of the band medium" on the program.

Iannaccone, born in Brooklyn, received degrees from the Manhattan School of Music and a doctorate from Eastman. He was a composition student of Samuel Adler, Vittorio Giannini and David Diamond, among others. He is currently professor of composition and theory, and director of the Collegium Musicum at Eastern Michigan University. In addition to music for band, he has written two symphonies, a variety of instrumental and vocal works, and music for tape, many published. His awards include the distinguished faculty award from Eastern Michigan and grants and commissions from the National Endowment for the Arts and Michigan Arts Council.

Mauk will be soloist in Jerry Bilik's Concertino for Alto Saxophone and Band. Assistant professor at Ithaca College's School of Music, he is a familiar performer in the area. He holds degrees from the University of Tennessee and University of Michigan and studied saxophone with Larry Teal and Donald Sinta. He is a frequent clinician and soloist at colleges and universities throughout the country for Selmer Instrument Co., which is sponsoring his Sunday afternoon appearance. Leading composers have written works especially for Mauk.

Under the baton of director Stith, the Cornell Wind Ensemble will also play March Lorraine by Louis Ganze, an arrangement by Leidzen of Rachmaninoff's Italian Polka, Bainum's arrangement Johannes Hanssen's Valdres, Masque by Francis McBeth and the concluding Rolling Thunder by Henry Fillmore.

Thursday

Mar. 10, 2 p.m. Barnes Hall. Cornell Composers Concert. Music by Cornell Graduate Composers. Contemporary Music Festival.

Mar. 10, 4:30 p.m. Goldwin Smith Kaufmann Auditorium. Lecture by Witold Lutoslawski: "Thoughts on the Future of Music." Contemporary Music Festival.

Mar. 10, 8:15 p.m. Barnes Hall. Audubon Quartet: Lutoslawski String Quartet (1964); others.

Mar. 10, 8:30 p.m. Straight Memorial Room. Willard Straight Program Board presents a Coffeehouse with Marc Benford. Free and open to the community.

Friday

Mar. 11, 4:30 p.m. Barnes Hall. New Music Colloquium: Lutoslawski Preludes and Fugue (1972). Contemporary Music Festival.

Mar. 11, 8:15 p.m. Barnes Hall. Concert of Lutoslawski's Chamber Music: Syracuse Society for New Music; Neva Pilgrim, soprano; Lynden Cranham, cello; Mary Ann Covert, piano; Peter Hedrick, oboe; Edward Murray, conducting.

Mar. 11, 9 p.m.-1 a.m. Straight Memorial Room. Willard Straight Program Board presents "Jazz Night" with Cornell Jazz Ensemble. Free and open to the community.

Saturday

Mar. 12, 2 p.m. Johnson Art Museum. Music for an Electronic Age: Samuel Pellman. Sound and Video (Syracuse Society for New Music). Contemporary Music Festival.

Sunday

Mar. 13, 4 p.m. Bailey Hall. Cornell Wind Ensemble conducted by Marice Stith; Anthony Iannaccone, guest composer-conductor; Steven Mauk; alto saxophone. Works of Iannaccone, Bilik, McBeth, others. Contemporary Music Festival.

Tuesday

Mar. 16, 12 noon Straight Memorial Room. Straight Program Board presents afternoon "Classics." Recitals of classical music.

Thursday

Mar. 17, 8:30 p.m. Straight Memorial Room. Straight Program Board Coffeehouse with Lisa Hens. Free and open to the community.

Saturday

Mar. 19, 8:15 p.m. Barnes Hall. Malcolm Bilson and Robert Levin, fortepiano. Works of Mozart.

Sunday

Mar. 20, 7:30 p.m. *Bailey Hall. Cornell Glee Club and Chorus with Cayuga Chamber Orchestra, conducted by Karel Husa. Works of Bruckner, Vivaldi, Ruggles.

Religious Activities

Friday

Mar. 11, 5:30 p.m. Anabel Taylor Founders Room. Hillel Services (Conservative/Egalitarian).

Mar. 11, 5:30 p.m. Anabel Taylor Chapel. Hillel Services (reform).

Saturday

Mar. 12, 9:15 a.m. Anabel Taylor Edwards Room. Hillel Services (Orthodox).

Mar. 12, 10 a.m. Anabel Taylor Founders Room. Hillel Services (Conservative/Egalitarian).

Sunday

Mar. 13, 11 a.m. Sage Chapel. Sage Chapel Services: Matthew Fox, O.P., Director, Institute in Creation-Centered Spirituality, Mundelein College, Chicago.

Mar. 13, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry Services: Ingrid Olsen-Tjensvold, Assist. Director, C.U.R.W.

Sunday

Mar. 20, 11 a.m. Sage Chapel. Sage Chapel Services: Robert L. Johnson, Director, C.U.R.W.

Mar. 20, 11:15 a.m. Anabel Taylor Chapel. Protestant Cooperative Ministry Services: Robert V. Smith, Chaplain Protestant Cooperative Ministry.

Religious Services

Baptist

Every Sunday, Ithaca Baptist Church, 1825 Slaterville Road; 9:45 a.m. Bible Study; 11 a.m. Worship Service; 6 p.m. Discipleship Training; 7 p.m. Worship Service.

Catholic

Every Mon.-Fri., 12:15 p.m. Catholic Mass, Anabel Taylor G-19. Every Sat., 5 p.m. Mass, Anabel Taylor Chapel. Every Sun. 9:30, 11 a.m. and 5 p.m. Masses, Anabel Taylor Auditorium. Sacrament of Reconciliation by appointment.

Christian Science

Every Thurs., 7 p.m. Anabel Taylor Founders Room. Every Sun. 10:30 a.m. First Church of Christ, Scientist, Univ. Ave. at Cascadilla Park.

Episcopal

Every Sun., 9:30 a.m. Anabel Taylor Chapel. Friends (Quakers)

Every Sun. 9:45 a.m. Anabel Taylor Edwards Room. 9:45 a.m. adult discussion; 11 a.m. meeting for worship.

Jewish

Call Hillel Office, 256-4227 for exact times and locations.

Lutheran

Every Sun. 10:45 a.m. Lutheran Church, Oak Ave. at College Ave.

Muslim

Every Mon.-Thurs., 1 p.m. Anabel Taylor 218; Every Fri., 1 p.m. Anabel Taylor Edwards Room.

Protestant

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

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Seminars

Agricultural Economics: "Sources of Increased Instability in National Cereals Production: India and the United States," Peter Hazell, International Food Policy Research Institute in Washington, 4 p.m. Thursday, March 10, 401 Warren Hall.

Agronomy: "Progress in Soil Survey Interpretations," Gerald W. Olson, 4 p.m. Tuesday, March 15, 135 Emerson Hall.

Applied Mathematics: "On the Interaction of Steady State and Hopf Bifurcation," Jurgen Scheurle, Brown University 4 p.m. Friday, March 11, 165 Olin Hall.

Atomic and Solid State Physics: Theory Seminar: "Long Wavelength Phonon Lifetimes in Metals," F. Khan, SUNY Stony Brook, 1:15 p.m. Thursday, March 10, 701 Clark Hall.

Atomic and Solid State Physics: Solid State Seminar: "Dimensional Effects on the Electrical Conductivity of Inhomogeneous Media," Sara Solla, 4:30 p.m. Tuesday, March 15 700 Clark Hall.

Biochemistry: "Sensitivity to Growth Factor-induced Anchorage-independent Growth Correlates with Susceptibility to Viral Transformation (any growth factor can be a TGF)," Brad Ozanne, University of Texas Health Science Center, 4:30 p.m. Friday, March 11, 204 Stocking Hall.

Biochemistry: "Coupling Interactions of Cytochrome Oxidase Reconstituted in Phospholipid Vesicles," Patricia Moroney, 12:20 p.m. Monday, March 14, 125 Riley Robb.

Biophysics: "Theoretical Aspects of Protein Dynamics," Andrew McCammon, University of Houston, 4:30 p.m. Wednesday, March 16, 700 Clark Hall.

Boyce Thompson Institute: "Viticultural Problems and Progress in New York State," Robert Pool, 3:15 p.m. Wednesday, March 16, BTI Auditorium.

Chemistry: Baker Lectures: "Technique and Adventure in Solid State Chemistry." Lecture 1. "Introduction, Setting the Scene," John M. Thomas, FRS, Cambridge, 11:15 a.m. Tuesday, March 15, 200 Baker. Thomas will also speak on "The Electron Microscope as a Chemical Laboratory," at 4:40 p.m. Wednesday, March 16, 132 Baker and on "High-resolution Electron Microscopy (HREM) as a Structural Tool: the Principles," at 11:15 a.m. Thursday, March 17, 200 Baker.

Chemistry: Special Seminar: "Joseph Priestley—Science and the Social Order: A 250th Anniversary Appreciation," Isaac Krannick, 8:15 p.m. Monday, March 14, 119 Baker. Special celebration events have been scheduled for 7:30 p.m. and 9:15 p.m. that day in the Lobby of Baker Laboratory.

China-Japan Program: "Entrepreneurial and Consulting Careers," Steven Schmeiser, Development Decisions International, Sam Seltzer, Allison Corp., and Michael Sugerman, ARECO Medical Advertising, 4:30 p.m. Friday, March 11, 251 Malott Hall.

Cornell Education Society: "The Application of the Transcendental Meditation Program to Education: The Example of Maharishi International University," Joel Wysong, 4:20 p.m. Monday, March 14, Stone Hall Lounge.

Ecology and Systematics: "An Ecosystem Study Including an East African Nomadic People," Bada Dyson-Hudson, 4:30 p.m. Wednesday, March 16, Morison Seminar Room, Corson Hall.

Floriculture and Ornamental Horticulture: "Floriculture Crop Production and Marketing in Europe," John G. Seeley, 12:15 p.m. Thursday, March 10, 37 Plant Science.

Geological Sciences: "The Major Tectonic Elements in China—Part II," Wu Zhengwen, College of Geology, Beijing, 4:30 p.m. Thursday, March 10, 205 Thurston.

Geological Sciences: "Community Bathymetry and the Record of Early Silurian Sea Level Changes on Laurentia and Baltics," Markes E. Johnson, Williams College, 4:30 p.m. Tuesday, March 15, 205 Thurston Hall.

Immunology: "Reovirus Receptors on Somatic and Lymphoid Cells," Dr. Mark Greene, associate professor of pathology at Harvard Medical School and professor of cancer biology at Harvard School of Public Health, 12:15 p.m. Tuesday, March 15, G-3, Veterinary Research Tower.

JUGATAE: "Interaction of Biological Control Agents and Resistant Potatoes," John Obrycki, 4 p.m. Monday, March 14, 100 Caldwell.

Materials Science and Engineering: "Auger Analysis Applied to the Development of New Materials," Mary Zeller, University of Notre Dame, 4:30 p.m. Thursday, March 10, 140 Bard Hall.

Mechanical and Aerospace Engineering: "Theory of Laminar Flames," G.S.S. Ludford, 4:30 p.m. Tuesday, March 15, Grumman Hall.

Neurobiology and Behavior: "Neurogenetics of Drosophila Reproductive Behavior," Jeff

Hall, Brandeis University, 12:20 p.m. Thursday, March 10, Morison Lecture Hall, Seeley G. Mudd Hall.

Ornithology: "The Nature Conservancy: A National Organization with an Important Role in Central New York," Bobby Keeton, Central New York Chapter, Inc., 7:45 p.m. Monday, March 14, Stuart Observatory, Sapsucker Woods.

Physiology: "Endocrine Patterns at Parturition in the Pig—Can Our Interpretation Be More Flexible?" Geoffrey Randall, Animal Diseases Research Institute, Canada, 4:30 p.m. Tuesday, March 15, G-3 Vet. Research Tower.

Plant Biology: "Structural Studies on Bacterial Photosynthetic Reaction Centers from *Rp. viridis*," Don Middendorf, 11:15 a.m. Friday, March 11, 404 Plant Science.

Plant Breeding: "Polygenic Versus Monogenic Resistance to Leaf Blight of Corn," Vernon E. Gracen, 12:20 p.m. Tuesday, March 15, 135 Emerson Hall.

Plant Pathology: "Survival of Phytophthora megasperma f. sp. *medicaginis*," J.P. Stack, 4:30 p.m. Tuesday, March 15, 404 Plant Science Building.

Pomology: "Small Fruit Culture on the West Coast," John Tomkins, 11:15 a.m. Monday, March 14, 114 Plant Science Building.

Reproductive Physiology-Endocrinology: "Survey of Reproductive Performance of Dairy Cows in the Northeast," Tom Reimers, Endocrine Diagnostic Lab, 4:30 p.m. Wednesday, March 16, 348 Morrison Hall.

Statistics: "On the Robustness of the Improved Confidence Sets for the Mean of a Multivariate Normal Distribution," Jiumn Hwang, 3:30 p.m. Wednesday, March 16, 105 ILB Conference Center.

Status of Women Committee: "Interviewing for Academic Positions," a panel discussion for women graduate students. Panelists will be Barbara Bedford, ecology and systematics; Laura Brown, English; Joan Egner, associate provost; Alan Forker, agricultural economics; Isaac Kramnick, government, and Anne Shlay, consumer economics and housing, 4:30 p.m. Thursday, March 10, 202 Uris Hall.

Women in International Development: "Reaching Rural Women in Egypt," Roy Colle and SaneVa el-Galaly, 12:15 p.m. Monday, March 14, 202 Uris Hall.

Vegetable Crops: "Plastic Tunnels and Mulches for Early Peppers," Peter Kohm, 4:30 p.m. Thursday, March 10, 404 Plant Science Bldg.

Vegetable Crops: "Effect of Regulated White Clover Living Mulch Sods on Nitrogen Availability and Sweet Corn Yield in a Sweet Corn Living Mulch Cropping System," Tom Vrabel, 4:30 p.m. Thursday, March 17, 404 Plant Science Bldg.

Sports

Saturday

Mar. 12, 9 a.m. Helen Newman. Women's Bowling-Columbia "300" Classic.

Sunday

Mar. 13, 9 a.m. Helen Newman. Women's Bowling-Columbia "300" Classic.

Saturday

Mar. 19, 8:15 p.m. Oxley Polo Arena. Women's PoloAlumni.

Theater

Thurs. through Sat.

Mar. 10-12, 8:15 p.m. "Straight Theatre. "Measure for Measure" by William Shakespeare. A Theatre Cornell production.

Mar. 10-12, 8:15 p.m. "Lincoln Drummond Studio. "The Imaginary Invalid" translated by the late Professor Morris Bishop. Theatre Cornell presentation of Moliere's classic farce.

Thurs. through Sat.

Mar. 17-19, 8:15 p.m. "Lincoln Drummond Studio. Theatre Cornell presents Moliere's classic farce, "The Imaginary Invalid" translated by the late Professor Morris Bishop.

Sunday

Mar. 20, 2:30 p.m. "Lincoln Drummond Studio. Theatre Cornell presents "The Imaginary Invalid."

Graduate Bulletin

The deadline for initial course registration/adding courses was Friday, Feb. 11. All students who are late in turning in these forms will be charged a \$10 processing fee.

The final date for course change or drop without special processing fee of \$10 is Friday, March 18.

Graduate and Professional School Financial Aid statements (GAPSFA) for 1983-84 are now

available and must be filed with the Office of Financial Aid by March 15, 1983.

Graduate students are responsible for their monthly bursar bill. Payments or transactions which have not been processed or appear to be incorrect should be investigated immediately. Failure to resolve outstanding charges promptly may result in a finance charge on the unpaid balance. If your billing address is not correct, it should be updated at the Bursar's Office, 260 Day Hall or the Fellowship Office, 116 Sage Graduate Center.

Applications for 1983 Graduate School Summer Fellowships and 1983 Graduate School Summer Tuition Awards should be available in March. Details will be announced in this column soon.

Check the Fellowship Notebook at your graduate faculty representative's office for information on the awards whose deadlines follow.

The following application deadlines are approaching:

March 11: U.S. Department of Energy Argonne National Laboratory

March 15: Canada Mortgage and Housing Corporation Scholarship

March 15: Fulbright Grants

March 15: Institute of International Education/ British Universities Summer Schools

March 15: The International Atlantic Salmon Foundation

March 15: Center for Libertarian Studies/The Ludwig Von Mises Fellowships

March 15: The National Italian American Foundation Graduate Legislative Internship Program

March 15: Damon Runyon/Walter Winchell Cancer Fund

March 15: The Earl Warren Legal Training Program Inc.

March 31: American Institute of Cooperation

REMINDER: All graduate students who are NYS residents and who receive tuition from Cornell administered sources must apply for a 1982-83 NYS Tuition Assistance Program (TAP) award. The deadline to file is March 31, 1983 for the 1982-83 academic year. TAP applications and TAP acceptance forms are available at the Bursar's Office, 260 Day Hall and at the Fellowship Office, 116 Sage Graduate Center. Questions should be referred to the Bursar's Office, 6-6414 or the Fellowship Office, 6-4884.

May 1: Robert Ferber Award for Consumer Research — Competition is for the best article-length manuscript on consumer behavior based on a doctoral dissertation for which a degree was awarded after July 21, 1980. Winners will each receive an engraved plaque, and the article will be featured in *The Journal of Consumer Research*. The author will receive a cash prize of \$750, and will be invited to present the paper at the annual conference of the Association for Consumer Research.

May 1: Awards from the College Grants Committee/ College of Human Ecology — Applicants must be in one of the following fields: consumer economics and housing, design and environmental analysis, human development and family studies or human service studies. Graduate students are supported for thesis research or for research performed as a graduate field requirement. Awards will be limited to a maximum of \$800 for students in master's degree programs, and \$1,200 for doctoral program students.

May 1: Sigma Xi/Scientific Research Society Grants-in-Aid of Research — Awards are made in support of scientific research in any field. Awards are normally made in amounts up to a maximum of \$1,000. All funds must be expended directly in support of the proposed investigation and may not be used for the payment of any indirect costs to the recipient's institution. Grants normally are not made for expenses of publication, salary or tuition, travel to meetings, or usual and routine institutional obligations.

CIVITAS

REQUESTS FOR HIGH SCHOOL TUTORS:

We still have several unfilled requests for tutors in: Math 10 (Geometry), for a student who can meet her tutor on the campus Mon. or Wed. after 3 p.m. or sometime on Sunday: Math 11 (Intermediate Algebra plus Trig), on campus; Math 12A (Advanced Algebra), for a student who can be tutored at school between 10:40 - 11:25 a.m. any school day or after school, weekends on campus; American History, again on campus; and, finally, first year French, for a student who is free between 12:55 - 1:40 p.m. at the High School.

DEVELOPMENTALLY DISABLED ADULT NEEDS SOMEONE TO PLAY BASKETBALL OR RUN WITH HIM:

One afternoon a week or more, 3:30-4:30 p.m. the optimal time, Friday the optimal day. He can meet you at Barton for basketball, Schoelkopf for track.

FIFTH GRADER, AGED 10, HOPES TO

FIND MENTOR: To teach him a skill: model making, electronics, bicycle repair, small engine repair, computer programming. He could come to Cornell after school one day a week.

CORNELL COMPANION ANIMALS PROGRAM: Is looking for pet owners living in the Groton area who would be willing to volunteer an hour of their time weekly at the Groton Residential Care Facility. Pets used must pass a simple behavioral and physical exam before visits begin. If you and your pet are interested, call CIVITAS (256-7513), or come to 119B Anabel Taylor.

LANGUAGE EXCHANGE SOUGHT: By several Cornell students wishing to exchange informal English lessons and conversation if you will teach them Spanish, French, Swedish, Czech or Farsi.

GIRL SCOUT CO-LEADERS NEEDED IMMEDIATELY: 1) For Brownie Troop of about 12 first and second graders who meet Thurs. afternoons 2-4 p.m., transportation provided from the campus; 2) For two Junior Troops who meet Mon. afternoons, one from 2:30-4 p.m., the other from 3:45-5 p.m., but for the former you will need your own transportation. Commitment for the rest of the semester.

PRE-MED STUDENTS ONLY: There are a few shifts open at Tompkins Community Hospital for Emergency Room volunteers: Mon., Tues., Wed., 10 a.m.-1 p.m.; Tues., 5-8 p.m.; Wed., 1-4 p.m.; Thurs., 9 a.m.-12 noon; Fri., 6-9 p.m.; Sat., 9 a.m.-12 noon and 9 p.m.-12 midnight. The Hospital Volunteer Program will accept pre-med students only.

ITHACA RAPE CRISIS COUNSELING SERVICE: Is accepting applications from volunteers for training program to begin March 15. Training will involve one two-hour evening meeting a week, and you must be in Ithaca six months after training completed, but the six months need not be consecutive. Applications available at CIVITAS, 119B Anabel Taylor Hall.

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

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

Barton Blotter

Three persons reported license plates were taken from their cars parked on campus last week, according to the morning reports of the Department of Public Safety for the period March 1 through 6.

Four students were referred to the Judicial Administrator on separate charges of trespass, forging a parking permit, harassment and criminal mischief.

There were only 14 cases of theft reported on campus, involving some \$1,500 in cash and valuables. They included three wallets containing a total of \$56 in cash and two knapsacks with contents estimated at a total of \$388 in value.

Electronic equipment costing \$275 was reported taken from Phillips Hall and \$200 in stereo equipment was reported missing from Fernow Hall. A resident of Cornell Quarters reported cash and stereo equipment with a total value of \$230 was taken from his apartment.

Layoffs

Continued from Page 2

ing User Program at this time allowed the university to prevent additional layoffs in statutory academic units.

"The decision to eliminate the retail meat operation in the Department of Animal Science of the College of Agriculture and Life Sciences was based on a judgment that this would result in the least possible impact on the teaching and research mission of the department.

"We are counseling all laid-off employees individually, seeking to find them other positions within the university. We have held most vacant positions open since we were notified in early February of the likely reductions.

"We worry very much about the people affected, and are doing whatever we can to help them. This process has been a difficult one for us, both with regard to its impact on individuals and on programs."



'Emerging from the Shadows: The Art of Martin Lewis'

At Johnson Museum, March 16-April 24

On Wednesday, March 16, "Emerging from the Shadows: The Art of Martin Lewis, 1881-1962," will open at the Herbert F. Johnson Museum of Art. The exhibition will run through Sunday, April 24.

Organized by Barbara Blackwell, assistant curator of prints at the museum, the show is the first museum exhibition to include drawings, watercolors and oils by Lewis, who is best known as a printmaker.

The exhibition, according to Blackwell, focuses on the consistency of Lewis's vision and his technical proficiency in all media. The activity of New York City is the

predominant theme in his works, and the vehicle he uses to describe it is light.

Lewis, according to Blackwell, was fascinated by the transient quality of light, both natural and artificial, as it filtered between tall buildings, reflected off different surfaces, emanated from shop windows, radiated from street lamps and acetylene torches and was transformed by heat, rain, snow and wind.

The Johnson Museum has the largest collection of Lewis's prints acquired by a museum as of this date. Supplementing the prints in the museum's collections are works from the Brooklyn Museum, the Cleveland Museum of Art, the New York Public Library, the Library of Congress, several private collectors and the estate of Lewis.

The Johnson Museum is open to the public 10 a.m. to 5 p.m. Tuesday through Sunday.

Three of the works of Martin Lewis that will be on view at the Herbert F. Johnson Museum of Art are 'Shadow Dance,' 1930 (left); 'Glow of the City,' 1929 (lower left), and 'Spring Night, Greenwich Village,' 1930 (below).



Cambridge Chemist to Give 1983 Baker Lectures

"Technique and Adventure in Solid State Chemistry" will be the overall topic for 13 sessions of the 1983 Baker Lectures here, to be given this year by Cambridge University Professor and Head of the Department of Physical Chemistry John M. Thomas.

The lectures, all of which are scheduled for 11:15 a.m. in Baker 200, begin Tuesday, March 15, and will continue for seven weeks on Tuesdays and Thursdays.

Noting the wide range of applications for Thomas' research in the chemistry of solids and surfaces, Cornell Department of Chemistry Chairman Roald Hoffmann said, "The 1983 Baker Lectures will, I believe, be of unusual interest to those in physics, applied physics, geology and engineering. John Thomas is a spectacular lecturer as well as a remarkable scientist."

One of the factors responsible for the recent resurgence of interest in the chemistry of solids, according to Hoffmann, is the development of powerful new techniques capable of elucidating the structures of materials which were, hitherto,

beyond the reach of conventional, X-ray methods. Another is the growing awareness of the scope for subtle chemical manipulation offered by the interiors and surfaces of certain classes of crystalline solids. Yet another is that some chemists have been aroused by the commercial and academic challenges of designing solids that possess specified, desirable properties.

"All three factors, as well as others, merge, and have led to many interesting chemical possibilities," Hoffmann said. For example, how far, both in the inorganic and organic domains, may one engineer solids with predictable or controllable adsorptive, catalytic, electronic, or photochemical attributes? And to what extent can one learn from the chemistry and materials of the mineralogist or the biologist?"

These questions, along with others which embrace the phenomenology of zeolites, shape-selective catalysts, intercalates and clathrates, chiral synthesis, and new solid catalysts for highly selective organic reac-

tions will be discussed in John Thomas' Baker Lectures. The series also includes a resume of the principles and scope of new techniques of value to the solid state chemist and physicist.

Minerals have played a prominent part in Professor Thomas' researches into the chemistry of solids and their surfaces. His Ph.D. thesis at the University College of Swansea (completed at Queen Mary College, London in 1957) dealt with the oxidation of diamond and graphite. At the University College of North Wales, Bangor, where he was appointed assistant lecturer in 1958, he used optical microscopy to study the role of dislocations in governing the reactivity of graphite, calcite and molybdenite.

The Baker Lectures were endowed in 1925 by George Fisher Baker "to invite the most eminent chemists of the world" to lecture at Cornell. Almost a dozen Baker Lecturers have gone on to receive Nobel Prizes, and the lectures have been the



JOHN M. THOMAS

bases for books which have had a major impact on chemistry.

Thursday, March 10, 1983

Brief Reports

Asian American Conference Scheduled for Saturday

The Asian American Coalition at Cornell will sponsor a conference to address the issue "In what sense are Asian Americans a Minority," noon-5 p.m. Saturday, March 12, in Kaufmann Auditorium, Goldwin Smith Hall.

"As the number of Asian Americans increase visibly on the Cornell campus, members of the Cornell community are beginning to maintain that Asian Americans should no longer be considered a minority," said Teri Ng '84. "This view poses a pertinent question—Is over-representation valid criterion in determining minority status," she continued.

Issues which will be explored at the conference are: How do Asian Americans view themselves?; How do other minority groups and the administration see Asians?; Are Asians really "making it" academically, socially and politically and if so, on whose terms.

The conference is designed to provide a forum for students, the administration and faculty members as well as leaders of other minority groups on campus to present their viewpoints of the Asian "minority" status.

For further information contact Ng at 257-5370.

Panelists Will Discuss Distinctive Writing

C. Michael Curtis, senior editor of The Atlantic magazine, will take part in a panel discussion on what comprises good literature and distinctive writing at 8 p.m. Monday, March 14, in the Memorial Room of Willard Straight Hall.

Panelists also will include Pam Johnson, publisher and president of The Ithaca Journal, and novelist/playwright Mary Hazard, author of "Sheltered Lives."

The discussion, open to the public, is part of The Theatre of Ideas series being sponsored on campus this term by a number of groups and organizations including the Departments of English and Communication Arts and The Cornell Daily Sun.

Curtis is a 1959 graduate of Cornell.

Lectures to Examine Israel-Palestine Issue

The first of two public lectures on a two-state solution to the Israeli-Palestinian issue is scheduled for 4:30 p.m. Monday, March 14, in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

The speaker will be Munir Fasheh, former dean of students at Bir Zeit University, who will give the "Palestinian perspective" of the series' theme, "Mutual Recognition and Peace - the Two State Solution."

The "Israeli perspective" will be given by Meir Pa'il, professor of military history at Tel Aviv University and a former member of the Knesset. He will speak at 4:30 p.m., Monday, March 21, in Kaufmann Auditorium of Goldwin Smith Hall.

The series is sponsored by: Committee to Support Israeli Peace Groups, Palestine Human Rights Committee, Progressive Zionist Alliance, Government Department, Cornell United Religious Work, International Student Programming Board and Peace Studies.

Sociologist to Discuss Love Canal Controversy

Sociologist Adeline Gordon Levine, author of "Love Canal: Science, Politics and People," will give a public lecture on the Love Canal controversy at 4:30 p.m. Tuesday, March 15, in Kaufmann Auditorium of Goldwin Smith Hall.

Jointly sponsored by the Departments of Sociology, Design and Environmental

Analysis, Civil and Environmental Engineering and the Program on Science, Technology and Society, Levine's talk is titled "Love Canal Before and After: Dilemmas and Controversies."

Her book, published by Lexington Books last year, is a case study in the politics of science. In it she shows what happens as decisions about social policy turn to the authority of "science" for their public justification.

Levine is an associate professor of sociology at SUNY at Buffalo. She received a B.A. in 1962 from Beaver College and a Ph.D. in sociology from Yale University in 1968. Before that she worked as a registered psychiatric nurse.

Largest Earth-Fill Dam Subject of Presentation

A film and discussion of the Torbela Dam, the world's largest earth-fill dam, will be presented by the New York Delta Chapter of the Tau Beta Pi Association, the national engineering honor society, at 4:30 p.m. Wednesday, March 16, in B-14 Hollister Hall.

Discussing the dam, which is nearly two miles across and which was built over a period of 15 years at a cost of approximately \$1.4 billion, will be Raymond Hodge. A partner in the firm that designed and planned the project, Tippets, Abbott, McCarthy and Stratton, Hodge received his master of civil engineering degree from Cornell in 1948. A reception for Hodge will precede the film at 4 p.m. in McManus Lounge, Hollister Hall.

Indian Historian to Talk On Cult of Renunciation

Indian historian Romila Thapar will give a public lecture on "Renouncers as Protestors," why the cult of renunciation has a special endurance in Indian history, at 4:30 p.m. Thursday, March 17, in Room 165 of McGraw Hall.

Thapar, professor of ancient Indian history at Jawaharlal Nehru University, will be on campus March 14 through 25 in her capacity as one of the university's Andrew D. White Professors-at-Large. Widely known on campus among historians and those in related fields, Thapar was a Senior Fellow at Cornell's Society for the Human-

The Week in Sports

Bowling Only Event at Home

It's a rare weekend on the Cornell campus — only one home sporting event scheduled for Big Red athletic teams. In this period when winter sports are winding down with post-season competition and the spring sports are gearing up for their season openers, the only athletic event to take place here this weekend is the Columbia "300" Bowling Classic, a two-day tournament to be held at the Helen Newman Lanes.

In away action, the women's gymnastics team has a big dual meet scheduled with the University of Maryland at College Park, Md.; the men's polo team will compete at the Intercollegiate Tournament in Darien, Conn.; and the men's fencing team will participate in the NCAA championships, to be held at George Mason University.

This is the second straight year that the Cornell women's bowling team has served as the host school for the Columbia "300" Classic.

This will be the first meeting ever between Cornell and Maryland in women's gymnastics, and it will also be the final dual meet of the year for the Big Red. It's been a hard-luck season thus far for Cornell, as the team has now lost its top three

ties in 1974 and was elected a professor-at-large in 1979.

During her stay she will hold hours at the Department of History offices in McGraw Hall. Appointments may be made by calling 256-4367.

In addition to her public lecture, Thapar will meet informally with faculty and students and participate in a public panel on the "Politics of Social Science Textbooks," 4:30 p.m. Tuesday, March 15, in Room 202 Uris Hall.

Faculty Dean Ballots Mailed, Due March 25

All faculty have been mailed ballots for the election of a new dean of the University Faculty to succeed Kenneth I. Greisen, who is stepping-down after five years service as dean.

There are three candidates for the three-year term beginning July 1. They are Joseph B. Bugliari, professor of agricultural and business law; Paul R. McIsaac, professor of electrical engineering, and Peter C. Stein, professor of physics.

All ballots should be returned to the dean of faculty office at 315 Day Hall (in person or by campus or regular mail) as soon as possible, but not later than 4 p.m. Friday, March 25.

Textbook as Propaganda To Be Panel Subject

A panel discussion on the world-wide use of textbooks as ideological tools and propaganda weapons by governments and other groups is scheduled for 4:30 p.m. Tuesday, March 15, in Room 202 of Uris Hall.

Moderating the discussion, which is open to the public, will be Michael Kammen, the Newton C. Farr Professor of American History and Culture.

Panelists will be J. Victor Koschmann, assistant professor of Japanese history; Theodore J. Lowi, the John L. Senior Professor of American Institutions, and Romila Thapar, professor of ancient Indian history at Jawaharlal Nehru University and one of the university's Andrew D. White Professors-at-Large.

The discussion is formally titled "Politics of Social Science Textbooks." For example, in India controversy has culminated around the issue of what role Islamic culture and administration oc-

SAGE CHAPEL

Creation Spirituality Leader to Give Talk

Matthew Fox, director of the Institute in Creation-Centered Spirituality at Mundelein College in Chicago, will speak at the Sage Chapel convocation at 11 a.m. Sunday, March 13. His sermon topic will be "The Motherhood of God."

Fox will also give a public lecture, "Toward a Spirituality of Erotic Justice," at 8 p.m. that day in The Founders Room, Anabel Taylor Hall.

A Dominican Priest, Fox holds a doctorate in the history of theology of spiritualities from the Institute Catholique de Paris. He has written a number of works including "On Becoming a Musical Mystical Bear: Spirituality American Style," "WHEE! We, We All The Way Home: A Guide to the New Sensual Spirituality," "Breakthrough: Meister Eckhart's Creation Spirituality in New Translation," and "A Spirituality Named Compassion and the Healing of the Global Village, Humpty Dumpty and Us."

Music will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, university organist and Sage Chapel choirmaster. Glenn Burdette is the graduate assistant and accompanist.

cupied in the pre-British period of Indian history.

Attempts to minimize the Muslim contribution to the evolution of Indian civilization has included such efforts at revisionist history as the claim that the Taj Mahal (built by the Moghul Emperor Shah Jahan) was originally a 12th century Hindu temple converted into a palace by later Muslim rulers.

In other countries as well, the nationalist controversy over textbooks continues. In Japan, textbooks have been criticized for glossing over Japanese 'atrocities' in Korea and China.

In the United States it is charged that politics infuse the choice and distribution of textbooks in secondary education while at the college level, textbooks are influenced by the pressures of commercial profits.

Zen Master to Talk At Taylor Auditorium

Josho Sasaki Roshi, Zen master, will speak on "Zen: The Heart of the Great Matter," at 7:30 p.m. Thursday, March 17, in Anabel Taylor Auditorium.

Sasaki has taught for the past three summers in Cornell Summer Session's Seminar on the Sutras, which is co-sponsored by the Asian Studies Department and the Ithaca Zen Center.

Sasaki came to the United States in 1962 to teach Zen Buddhism after 40 years of monastic training in Japan. He is the abbot of several zen centers in the United States, including the Ithaca Zen Center, as well as in Europe, Canada and New Zealand.

The Seminar on the Sutras will be offered again this summer, June 7-24. For further information contact David Radin, 273-3190.

Scotch Doubles Tournament Open to Cornell Community

The Cornell Recreation Club is sponsoring a mixed scotch doubles bowling tournament on Saturday and Sunday, March 19 and 20. Cost is \$5 per person. The fee includes a barbecue, which will be served after each shift. Shift times for each day are 1, 3 and 5 p.m.

Any members of the Cornell community can enter—from the beginner to the experienced bowler—and an average is not required. Bowlers who are interested in registering should contact Charles Parkin at Helen Newman Lanes, 256-4200, and let him know which day and time they want to bowl.