

# CORNELL Chronicle

Volume 27 Number 34 May 16, 1996

## THANKS, TEACH

Top students win Merrill Presidential Scholarships and honor the teachers who most inspired them.

3

## EZRA'S PAPERS

The Kroch Library Gallery features an exhibition on the university's founder.

7

## University will celebrate its 128th commencement May 25-26

By Linda Grace-Kobas

Cornell President Hunter Rawlings will preside over the university's 128th commencement on Sunday, May 26, at 11 a.m. on Schoellkopf Field.

In his first commencement ceremony since assuming the Cornell presidency on July 1, 1995, Rawlings will confer degrees on almost 6,000 eligible graduates, capping two days of celebratory activities that include a Senior Convocation with an address by environmental lawyer Robert F. Kennedy Jr. on Saturday, May 25, at noon in Barton Hall.

The Class of 1996 is distinguished by



Kennedy

Ambassadorial Scholarship.

The students are Barnaby Marsh, a College Scholar who grew up in Alaska, recipient of the Rhodes Scholarship; Mellon recipients Eric Chwang of Dallas, Jon Miller

seven graduates who have received prestigious national awards, including a Rhodes Scholarship, three Mellon Foundation Fellowships, Raoul Wallenberg and Luce scholarships, and a Rotary Foundation

of Ithaca and Rosamond King of Potomac, Md.; Karin Klapper of Brooklyn, recipient of the Wallenberg Scholarship; graduate student Maureen Quigley of Ithaca, winner of the Luce Scholarship; and Andrea DeTerra of Eagle River, Alaska, who received the Rotary Scholarship. Six of these students will continue their studies next year at Oxford, Princeton, Yale, New York University, Hebrew University in Jerusalem and the University of Seville in Spain, and one - Quigley - will work in international development policy in a rural community in Asia.

Commencement weekend events include:

Saturday, May 25:

**President's Breakfast Reception:** The Board of Trustees and President and Mrs. Rawlings will honor graduates and their families at a breakfast reception on the Arts Quad from 7:30 to 9:30 a.m.

**Senior Convocation:** To be held in Barton Hall at noon, the convocation to honor graduates and their families will feature an address by Robert F. Kennedy Jr., an environmental attorney. He has successfully prosecuted governments and companies for pollution in the Hudson River and Long Island Sound, argued cases to expand

Continued on page 4

## Acting dean Lewis named for Arts post

By Jill Goetz

Philip E. Lewis, acting dean of the College of Arts and Sciences since July 1995, has been nominated to serve a five-year term as dean of the college beginning July 1996. He was nominated to the post by a search committee headed by the college's former dean, Don M. Randel, who is now the provost.



Lewis

President Hunter Rawlings enthusiastically supported the nomination and will recommend that it be adopted by the Executive Committee of the Board of Trustees at its meeting on May 24.

Randel said the committee made its selection following an intensive six-month search that considered candidates from both within and without the university, as well as their reputations in both academia and higher education administration.

"Phil Lewis is as deeply thoughtful as anyone could be," Randel said, "and he brings to the deanship the highest possible intellectual standards. One member of the faculty wrote to the search committee saying that we should not have a dean who did not have Phil's qualities. In that light, Phil was the obvious choice."

"There will inevitably be differences of opinion with any dean worthy of the name," Randel continued. "With Phil, one can be confident that those differences, as well as the agreements, will be profoundly principled and that the level of discourse surrounding them will represent the standards to which a university community ought always to aspire."

Rawlings added, "Phil Lewis' commitment to Cornell and his depth of intellectual rigor make him an excellent choice as dean of the College of Arts and Sciences. His colleagues on the faculty recognize and applaud those qualities, and I am delighted that he will continue to provide in the years ahead the leadership to the college that he has already demonstrated so ably."

Before becoming acting dean of the College of Arts and Sciences, Lewis, 53, was an associate dean under two consecutive deans.

Continued on page 2

## Rings around the planet



Philip D. Nicholson

Just 385 years after Galileo discovered the mysterious rings around Saturn, Cornell astronomers are making discoveries of their own. Using the Hubble Space Telescope, from which these photos were taken Nov. 21, 1995, Philip D. Nicholson, professor of astronomy, and graduate student Colleen McGhee took advantage of an unusual geometry to learn more about Saturn's outer rings and some of the planet's 21 moons. With an edge-on view of the rings, called a "ring plane crossing," the astronomers could see faint objects that normally would be lost in the glare of the rings. In these photo pairs, some of the moons are seen in orbit. The Hubble Space Telescope snapped these five pairs of images while the Earth was just above the ring plane and the sun was below it. The telescope captured a pair of images every 97 minutes as it circled the Earth. Moving out from Saturn, the visible rings are: the broad C Ring, the Cassini Division and the narrow F Ring - usually not visible from Earth. A surprising find: Prometheus, the closest moon to Saturn, has rounded the F Ring's tip in the second pair of images and is approaching the planet. But that is nowhere near where it was predicted to be based on previous observations. Nicholson and McGhee investigated at least five possible causes for this but discarded all of them. Bottom line: "We don't know what could have caused Prometheus' orbit to have changed so much," McGhee said.

## Lawler named as choice for ILR deanship

By Darryl Geddes

Edward J. Lawler, professor of organizational behavior in the New York State School of Industrial and Labor Relations at Cornell, has been nominated to serve a five-and-a-half-year term as dean of the school, beginning Jan. 1, 1997.

The appointment, which will be forwarded to the Executive Committee of the Cornell Board of Trustees for approval at its May 24 meeting and then to the State University of New York Board of Trustees, was announced last week by Cornell President Hunter Rawlings and Provost Don M. Randel.



Lawler

Lawler succeeds David B. Lipsky, who is returning to the faculty after serving as dean since 1988.

"I am delighted with the nomination of Ed Lawler," Rawlings said. "I've known Professor Lawler for many years, and I have the highest regard for his scholarship and his ability to work effectively with both his academic colleagues and the broader community. The care with which he considers major issues will undoubtedly be a key ingredient of his leadership of the School of Industrial and Labor Relations."

"Ed Lawler will bring true intellectual leadership to the School of Industrial and Labor Relations," Randel said. "He is a very distinguished member of the faculty. He has been at the school long enough to understand and value its traditions but is enough of a newcomer to bring fresh perspectives to bear. The school and the university are very fortunate to have found in him someone with both the right talents and the willingness to serve as dean."

Lawler will be on leave for the first four months of his deanship so that he may fulfill an earlier commitment as a fellow at the Center for Advanced Study of the Behavioral Sciences in Palo Alto, Calif.

"The ILR School is a very special place, in fact 'one of a kind,' and I am quite pleased and excited about the prospect of serving in this capacity," Lawler said.

As dean, Lawler will oversee the school's

Continued on page 2

## NOTABLES

**Francille M. Firebaugh**, dean of the College of Human Ecology, has been named a member of the committee that will conduct a nationwide search for a successor to SUNY Chancellor Thomas A. Bartlett, who on April 30 announced his resignation from that post by June 15. Thomas A. Egan, chairman of the SUNY Board of Trustees, will chair the 23-member search committee that includes six other members of the SUNY board, five campus presidents, the University Faculty Senate president, elected leaders of the Student Assembly, and representatives from the Association of Boards of Trustees of Community Colleges, a campus college council, central and campus administration and United University Professions. Firebaugh served a rotation as statutory dean representative on the SUNY Council of Presidents under Chancellor D. Bruce Johnstone in 1992-93. Along with other statutory deans, she has regularly participated in the SUNY Chancellor's Forum under the leadership of Johnstone and Bartlett.

**Robert R. Howarth**, the David R. Atkinson Professor of Ecology and Environmental Biology, has been named to the Board of Scientific Counselors of the federal Environmental Protection Agency (EPA). The new standing committee, appointed by the EPA's assistant administrator for research and development, is charged with evaluating science and engineering research programs, laboratories and research-management practices and providing advice on the utilization of peer review to enhance the quality of science of EPA. A biogeochemist, Howarth is on the faculty of the Division of Biological Sciences and the Department of Soil, Crop and Atmospheric Sciences, as well as a Senior Fellow in the Center for the Environment.

Two Cornell medical experts have been appointed by the National Aeronautics and Space Administration (NASA) to an independent task force to review the ethical integrity of the science and humane treatment of animals on the upcoming Bion 11 and 12 missions: **Franklin M. Loew**, D.V.M., Ph.D., dean of the College of Veterinary Medicine, and **Jeffrey Borer**, M.D., the Gladys and Roland Harriman Professor of Cardiovascular Medicine in the Cornell University Medical College. The Bion program is a cooperative space venture among the U.S., Russian and French space agencies to conduct biomedical research using rhesus monkeys. Bion 11 is expected to launch from Russia in September 1996.

## CORNELL Chronicle

Henrik N. Dullea, Vice President for University Relations  
Linda Grace-Kobas, Director, Cornell News Service  
Simeon Moss, Editor  
Larry Bernard, Science Editor  
Jacquie Powers, Education Editor  
Karen Walters, Editorial Assistant  
Dianna Marsh, Circulation  
Writers: Blaine P. Friedlander Jr., Darryl Geddes, Jill Goetz, Susan Lang, Roger Segelken and Bill Steele.

Published 42 times a year, the *Cornell Chronicle* is distributed free of charge on campus to Cornell University faculty, students and staff by the University News Service.

Address: 840 Hanshaw Road, Ithaca, NY 14850  
Phone: (607) 255-4206

Fax: (607) 257-6397

E-mail: cunews@cornell.edu

Web site: <http://www.news.cornell.edu>

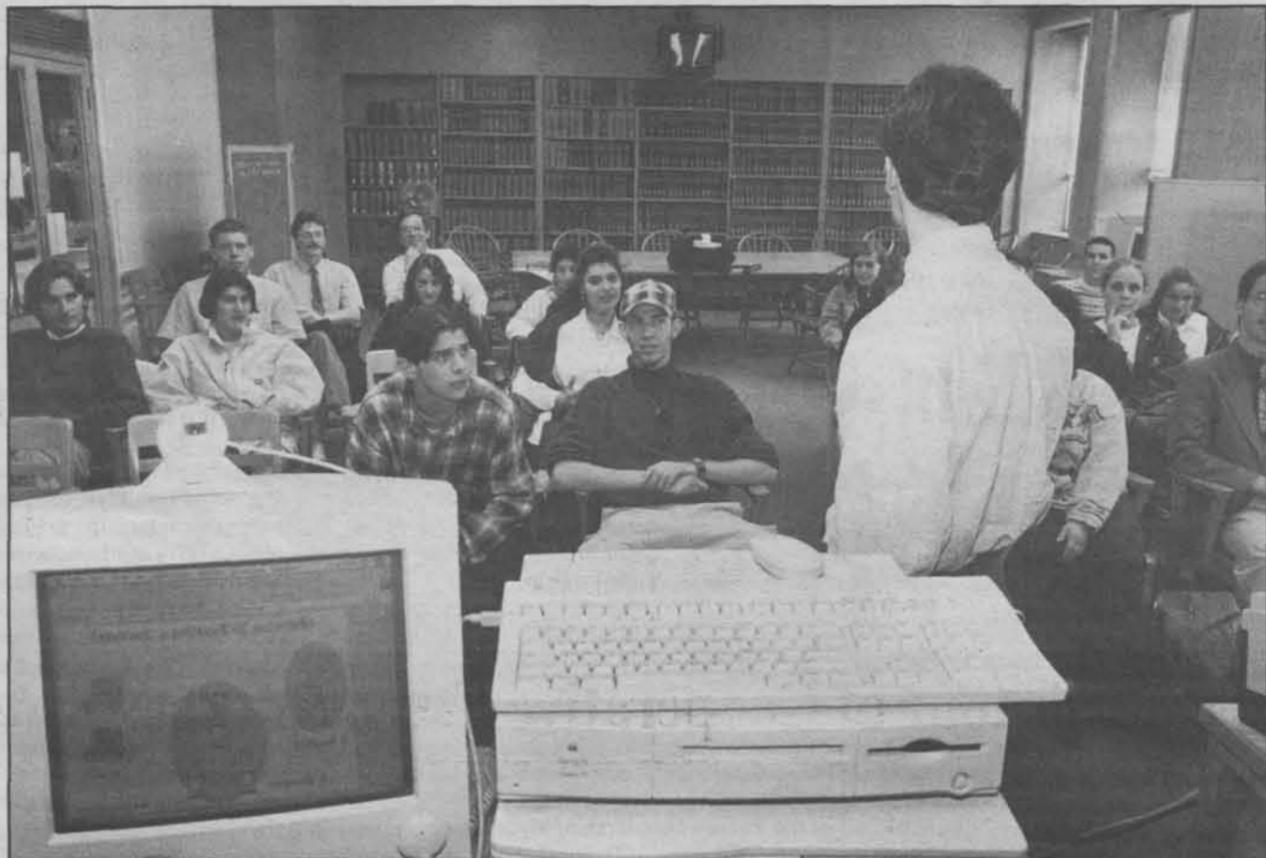
### Mail Subscriptions:

\$20 per year. Make checks payable to the *Cornell Chronicle* and send to Village Green, 840 Hanshaw Road, Ithaca, N.Y. 14850. Second-Class Postage Rates paid at Ithaca, N.Y. POSTMASTER: Send address changes to the *Cornell Chronicle* (ISSN 0747-4628), Cornell University, 840 Hanshaw Road, Ithaca, N.Y. 14850.

### Copyright Notice:

Permission is granted to excerpt or reprint any material originated in the *Cornell Chronicle*.

## Getting a line on the on-line world



Adriana Rovers/University Photography

**Philip Davis**, instructional librarian at Cornell's Mann Library, describes the Internet to a group of French high school students May 1, while the teen-agers were on the first day of a 10-day exchange visit. The students participate in France's *Maison Familiale Rurale (MFR)* vocational education system - similar to 4-H - in which they gain experience in agriculture and are schooled in subjects such as commerce, childhood education, rural tourism, horticulture, floriculture and equine research. During their stay in the United States, the students were paired with New York state host families involved in the 4-H program.

## Lawler continued from page 1

move into a new home on campus - a \$25 million, 100,000-square-foot complex - in the fall of 1997. The ILR School, one of the nation's premier institutions for the study of labor and workplace issues, has 49 faculty members and an undergraduate enrollment of about 720. Its five extension offices - Albany, Buffalo, New York City, Old Westbury and Rochester - provide outreach services, sponsor conferences and offer classes.

Lawler has served as a professor of organizational behavior in the ILR School since 1994, although his association with the school began in 1978 when he was a visiting professor. He was a visiting associate professor at ILR in 1981 and served as a visiting fellow at the school in 1990.

Before joining Cornell, Lawler was a member of the faculty at the University of Iowa for 22 years, where he served as chairman of the Department of Sociology and as the Duane C. Spriesterbach Professor. His service to the university included tenure as chair of the University Self-Study Committee, which conducted a decennial evaluation of the university (1986-87), chair of the University Strategic Planning Committee (1989) and president of the University of Iowa Faculty Senate (1992-93).

Lawler has authored and edited 15 books, including two he wrote with Samuel B. Bacharach, professor of organizational behavior at the ILR School: *Power and Politics in Organizations* (Jossey-Bass, 1980) and *Bargaining: Power, Tactics and Outcomes* (Jossey-Bass, 1981). He has served as editor or co-editor of the 10-volume series *Advances in Group Processes* (JAI Press), which publishes theoretical and empirical work on small group relationships, and he has written more than 30 articles for professional journals. In addition, he has served as editor of *Social Psychology Quarterly* since 1992.

Lawler is a member of several professional organizations, including the American Sociological Association and the Academy of Management.

Originally from St. Louis, Lawler grew up in California. He earned bachelor's and master's degrees in sociology from California State University, Long Beach, in 1966 and 1968, respectively, and a doctorate in sociology from the University of Wisconsin, Madison, in 1972.

## BRIEFS

■ **Emeritus professors meet:** The Association of Cornell University Emeritus Professors will hold its spring meeting on May 22 at 2:15 p.m. in the Auditorium at Kendal at Ithaca. In addition to the social hour and business meeting, Emeritus Professor H. Peter Kahn will speak on "How Our Letters Got Their Shapes." Spouses and friends of emeritus faculty are welcome, as are spouses of deceased emeritus faculty.

■ **Hydrant flushing:** The flushing of fire hydrants on campus takes place annually. Water may appear cloudy through May 24. The water will be safe to drink, according to Ann Christofferson, manager of the Water and Sewer Division of the Department of Utilities. Fire hydrants on both the endowed and state campuses will be flushed up until that time.

■ **Campus steam shutdown:** Annual campuswide steam shutdowns are scheduled so that essential maintenance work on the steam distribution system and repairs at the Central Heating Plant can be made. This year the system will be shut down on Tuesday, May 28, at 5 a.m. The steam system will start up again on Thursday, May 30, at 5 p.m. Most buildings will not have full steam until midnight or later after startup. Facilities and Campus Services regrets the inconvenience this may cause, but the department has learned through experience that the period just after commencement adversely affects the fewest people and activities on campus. If you anticipate problems, contact the Customer Service Center at 255-5322. A reminder notice to building and department coordinators will be sent prior to the actual shutdown.

## Lewis continued from page 1

He has served on the faculty of the college's Department of Romance Studies since 1968 and was the department's chair for much of the 1970s and 1980s.

Lewis also has participated in several Cornell committees, including the Provost's Task Force on Graduate Student Life, Provost's Advisory Committee on Public Policy and two Strategic Planning Task Forces, one on university administration and governance and another on administration and finance.

After approval of his nomination at a meeting of the Arts and Sciences faculty on May 6, Lewis underscored his gratitude to the search committee, the president and the faculty for their expression of confidence.

"I am at once honored and humbled by the responsibility my colleagues have invited me to assume," Lewis said. "Arts and Sciences, with its splendid faculty and wonderful students, is the heart of the university. In protecting the values we associate with a liberal education, the college aims to preserve Cornell's distinguished academic traditions and to support wisely and reliably the diverse mis-

sions of our sister colleges.

"I am keenly aware of the difficult challenges we face but would not take this post if I did not believe we can and will meet those challenges successfully," he added.

Born in Kingsport, Tenn., Lewis earned his bachelor's degree from Davidson College in 1964 and his doctorate from Yale University in 1969. Known for his work in 17th-century French literature and contemporary critical theory and practice, he is the author of *La Rochefoucauld: The Art of Abstraction* (1977) and *Seeing Through the Mother Goose Tales: Visual Turns in the Writings of Charles Perrault* (1996).

He has been a Woodrow Wilson Fellow, Danforth Fellow and Research Fellow with the National Endowment for the Humanities and the editor of *Diacritics*, a journal of criticism produced in the Department of Romance Studies and published by Johns Hopkins University Press.

As dean of the College of Arts and Sciences, Lewis will oversee the academic experience of approximately 4,000 undergraduate students, 1,500 graduate students and 600 faculty members.

# Cornell honors top graduates and the teachers who inspired them

By Darryl Geddes

High school teachers from across North America and from as far away as Shanghai will travel to Cornell to be honored by their former students on May 22.

Thirty-five Cornell students—selected as the university's top graduates—will pay tribute to these teachers for inspiring them and instilling in them a love of learning that has led to their outstanding undergraduate careers.

The students, honored as Merrill Presidential Scholars, represent the top 5 percent of Cornell's 1996 graduating class. They are chosen by deans of each of Cornell's seven undergraduate colleges for outstanding academic achievement, strong leadership ability and potential for contributing to society.

Each Merrill Scholar selects both a high school teacher and Cornell faculty member who have made significant contributions to and have had a strong influence on the student's academic career. High school teachers, Cornell faculty members and the Merrill Scholars that chose them will be recognized May 22 at noon in the Memorial Room of Willard Straight Hall.

In honoring their former high school teachers, many students wrote about their teachers' enthusiasm for learn-

ing, willingness to provide extra help and their ability to energize and interest students and build confidence.

Ramapo Senior High School English teacher George Longobardi did just that for Merrill Scholar Todd Builione of Monsey, N.Y.

"His [Longobardi's] tendency to call on me in class demonstrated his faith in my academic abilities," wrote Builione in his essay saluting Longobardi. "This helped me to recognize the power of confidence and the significance of self-confidence in the face of any difficult challenge."

Each teacher selected is honored with a \$4,000 scholarship in their name that is to be awarded to an incoming freshman from their high school or hometown.

Cornell began saluting secondary school teachers in 1988 "to recognize the singular influence of inspired teaching and enduring bonds that are often forged between teachers and those they have taught." The STAR (Special Teachers Are Recognized) Scholarships were established by Donald and Margi Berens, members of the Class of 1947. Additional support has come from the William Knox Holt Foundation and the Cornell Alumni Association of Central New York.

The Merrill Presidential Scholars Program is made possible by funding from Philip Merrill, Cornell Class of '55,

chairman of Capital Gazette Communications.

Merrill Scholars, their majors and hometowns are listed below, followed by the names of the high school teachers and the Cornell faculty members they have selected for recognition:

**Sean Anderson**, an architecture major from Greenville, S.C.; Roy Fluhrer, The Fine Arts Center; Mark Jarzombek, associate professor of architecture.

**Michael Arcuri**, a computer science major from Southampton, Pa.; Fred Prout, William Tennent High School; Bruce R. Land, research associate at the Center for Theory and Simulation in Science.

**Thomas Bartnikas**, a biological sciences major from North Lancaster, Ontario; Ron Dixon, Lower Canada College; James Shapleigh, assistant professor of microbiology.

**Todd Builione**, an agricultural, resource and managerial economics major from Monsey, N.Y.; George Longobardi, Ramapo Senior High School; Deborah Streeter, associate professor of agricultural, resource and managerial economics.

**Deborah deSa**, a biological sciences major from Batavia, N.Y.; Mary Ellen Ames, Batavia High School; John Lis, chair and professor of biochemistry, molecular and cell biology.

*Continued on page 6*

# President's tour of Cooperative Extension rolls through Southern Tier

By Blaine P. Friedlander Jr.

On an all-day tour across New York state's Southern Tier last week, President Hunter Rawlings saw firsthand that Cornell Cooperative Extension not only provides dairy advice and serves up crop information but, in many cases, the service helps make positive changes in the complexion of whole communities.

"Cornell Cooperative Extension (CCE) is one of the jewels in the university's crown," said William Lacy, director of CCE, who took Rawlings and a group of Cornell administrators on the Cornell/Community Partnership Showcase, May 7. "After all," Lacy pointed out, "it's not only one of the largest but probably the best cooperative extension system in the country."

Other university officials joining Rawlings for the seminar-on-wheels included Provost Don Randel; Norman Scott, vice president for research and advanced studies; Henrik Dullea, vice president for university relations; Francille Firebaugh, dean of the College of Human Ecology; Daryl Lund, dean of the College of Agriculture and Life Sciences (CALS); Brian F. Chabot, associate dean of CALS; Jane McGonigal, assistant director of CCE; Bob Andersen, chair of the department extension leaders in CALS; Joe Laquatra, chair of the department extension leaders, College of Human Ecology; Rebecca Tseng Smith, assistant dean of CALS; and Marty Moses, assistant director for the University Council.

On the first stop, the group enjoyed seeing the fruit of one of CCE's latest efforts: the Northern Tioga Center for Family Health in Richford, which opened last October. Most of the village's 2,200 residents have used the health facility and, in fact, the center recorded 753 visits in the first quarter of this year.

"When we started, there were 3-year-olds who had not had their immunizations, and we are just now starting to get caught up with their immunizations. There are a lot of people who don't have insurance; this center takes care of that," said Lynn Verduin,



Photo by Beth Kaplan/Binghamton Press and Sun Bulletin  
**President Hunter Rawlings, second from right, takes part in a composting demonstration during a May 7 visit to the Cornell Cooperative Extension office in Binghamton. Also taking part, from left, are: CCE Director William Lacy; Burt Siemens, Tioga Cooperative Extension board member; Kevin Mathers, environmental educator; and Ted Czupryna, extension volunteer.**

the center's nurse practitioner. She explained to Rawlings that without the help of CCE, this kind of medical program would still be a dream, rather than a reality.

For five years, the area surrounding Richford had been without a primary care physician. In 1993, community leaders, the NY-Penn Health Systems Agency, CCE and Lourdes Hospital in Binghamton got together to establish the health center at Richford and one in Newark Valley.

Next, the tour joined snack time and play time at the Parent Resource Center in

Chenango Forks, where parents and their children can develop their relationships within a positive environment and learn about family issues. Rawlings was told that thanks to the partnership efforts of CCE, the Parent Resource Center has plenty of learning activities for parents and toys for kids.

The group also witnessed more agriculturally related programs as they made compost at the Broome County Extension headquarters and toured its unique Cutler Gardens, where one-of-a-kind plants are featured.

The last stop was Candor's AA Farm,

which is a 500-cow dairy operation. Bob Aman, one of the owners, explained some of the latest developments in dairy management and described the components that make a farm profitable. Within the past few years, the farm had suffered through manure storage problems, he said, but with the help of CCE, the problem was quickly solved.

"Whether we are talking about a rural or an urban location, it is obvious Cornell Cooperative Extension is essential. That's how we at Cornell can be of service to the state of New York," Rawlings said.

# Law students argue their way to the top of an international competition

By Darryl Geddes

Cornell law students Teri L. Menke '96 and Carol A. Timm '97 are world champions of a sort.

The duo out-argued law students from 38 other universities representing 19 countries in the 1996 Willem C. Vis International Commercial Arbitration Competition, held in March at the International Arbitral Center in Vienna.

Menke and Timm will be honored for their efforts by the U.S. Solicitor General in a ceremony May 20 at 2:15 p.m. in Washington, D.C.

The students were selected to represent

Cornell after they received the highest scores in last fall's campus competition.

In the international competition, each school prepares and submits a claimant's brief and a respondent's brief and argues each side over the course of four arbitration rounds. The rounds, similar to moot court proceedings, are then scored, and four semifinalists are selected.

The Cornell team defeated teams from King's Inn, Ireland, in the semifinals and Deakin University, Australia, in the final.

The issue argued involved a request for the production of documents in an action involving the broken contractual relation-

*Continued on page 6*

## Law School convocation is set for Sunday

The Cornell Law School will confer degrees on 224 students during convocation ceremonies Sunday, May 19, at 2 p.m. in Bailey Hall.

Juris doctorates will be awarded to 174 students, 44 will receive master of laws degrees, and six will receive both.

President Hunter Rawlings will offer congratulations on behalf of the university. The student address will be given by Susan Morse Palmer of

Wellesley Hills, Mass.

Winnie F. Taylor, professor of law, will offer the faculty address. Taylor, who has taught at the Law School since 1990, was recently appointed the university's associate provost.

Nan A. Colvin, the Law School's registrar, will recognize the graduates, and Russell K. Osgood, the Allan R. Tessler Dean of the Law School, will preside over the ceremony.

**Commencement** *continued from page 1*

citizen access to shorelines and sued sewage treatment plants to force compliance with the Clean Water Act. He serves as chief prosecuting attorney for the Hudson Riverkeeper and senior attorney for the Natural Resources Defense Council. Kennedy is a clinical professor and supervising attorney at the Environmental Litigation Clinic at Pace University Law School.

Also speaking at the convocation will be Senior Class President Erica Gantner.

**D.V.M. Hooding Ceremony:** Franklin M. Loew, dean of the College of Veterinary Medicine, will address graduates at the ceremony in Alice Statler Auditorium at 4:30 p.m. The Veterinarian's Oath will be administered by Dr. MacDonald Holmes, president of the New York State Veterinary Medical Society.

**Ph.D. Recognition Ceremony:** Recipients of doctoral degrees will be individually honored by Rawlings and the Board of Trustees for their significant academic achievements in Barton Hall at 5 p.m. Rawlings and Walter I. Cohen, Graduate School dean, will congratulate each recipient. Degrees will be conferred during the general commencement ceremony on Sunday.

**ROTC Commissioning:** The Reserve Officers' Training Corps (ROTC) Brigade will commission officers into the Army, Marine Corps, Navy and Air Force during a ceremony in David L. Call Alumni Auditorium, Kennedy Hall, at 4 p.m.

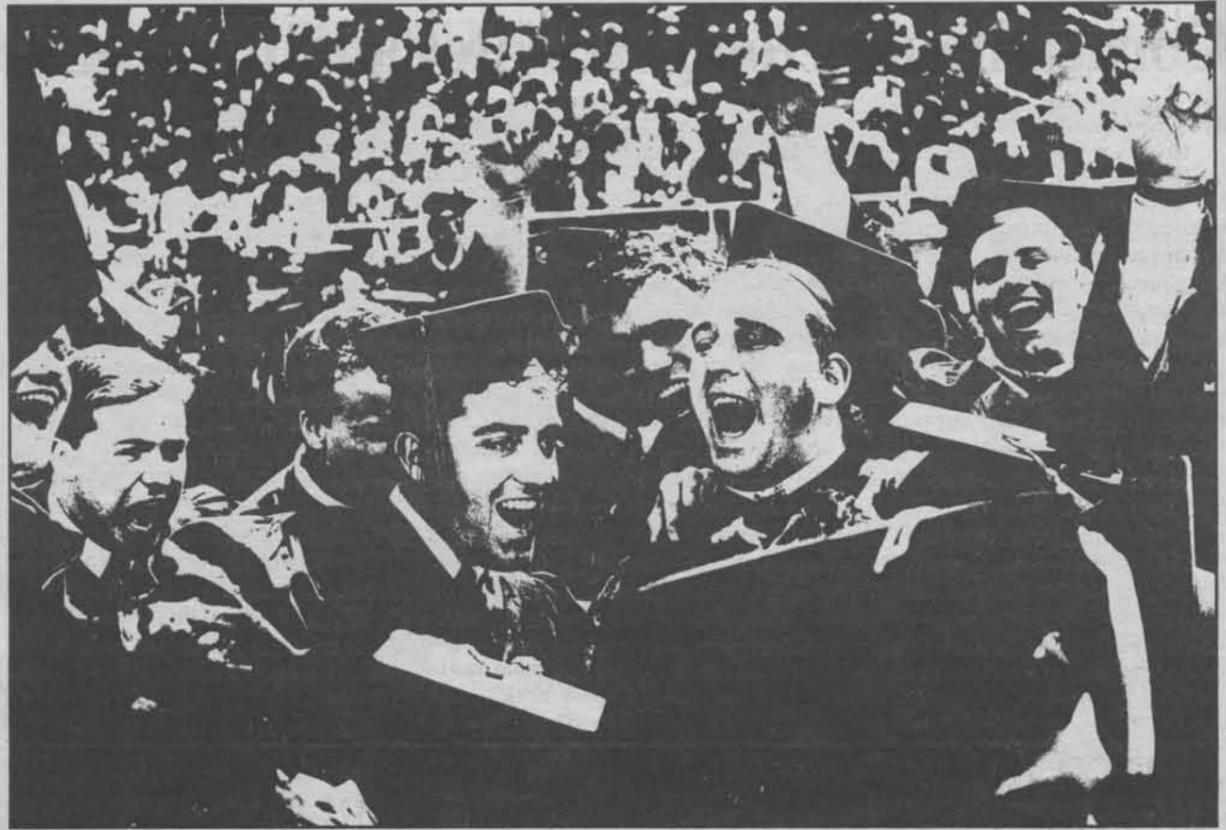
Other special events for graduates and their families on Saturday include tours of Cornell Plantations from 10 a.m. to noon, a Cornell Wind Ensemble concert on the Arts Quad at 3 p.m. and the Senior Week Concert by the Glee Club and Chorus in Bailey Hall at 8:15 p.m.

**Sunday, May 26:**

**Baccalaureate Service:** Susannah Heschel of Case Western Reserve will present an address at the service in Bailey Hall at 8:30 a.m. Music will be provided by the Cornell Glee Club, Chorus and Wind Ensemble.

**Commencement Procession:** Thousands of robed students, faculty, trustees and administrators will assemble on the Arts Quad at 9:30 a.m. and proceed to Schoellkopf Field. Leading the academic procession will be University Marshal J. Robert Cooke, professor of agricultural and biological engineering, and Mace Bearer Jean R. Robinson, professor emeritus of consumer economics and housing.

**Commencement Ceremony:** The ceremony will take place on Schoellkopf Field from 11 a.m. to noon. Rawlings will confer degrees on approximately 6,000 eligible candi-



dates, including those who completed degree work last August and January.

About 3,400 students are eligible for undergraduate degrees, including 936 in the College of Agriculture and Life Sciences, 139 in the College of Architecture, Art and Planning, 1,019 in the College of Arts and Sciences, 551 in the College of Engineering, 212 in the School of Hotel Administration, 371 in the College of Human Ecology and 175 in the School of Industrial and Labor Relations.

Receiving master's and doctoral degrees will be 2,309 students, including 1,710 from the Graduate School, 224 from the Law School, 297 from the Johnson Graduate School of Management and 81 from the College of Veterinary Medicine.

**Broadcast:** The ceremony will be broadcast live on Ithaca cable television station Channel 54 beginning at 10 a.m. with David Stewart and Keith R. Johnson and on Ithaca radio station WHCU (870 AM) beginning at 11 a.m. The ceremony

will be shown on closed-circuit television in Statler Auditorium, David L. Call Alumni Auditorium in Kennedy Hall, Martha Van Rensselaer Auditorium and the Field House.

**Severe weather:** In the event of severe weather, commencement will be celebrated in two ceremonies in Barton Hall: at 10:30 a.m. for students from Agriculture and Life Sciences, Arts and Sciences, the Johnson Graduate School of Management and Veterinary Medicine, and at 1 p.m. for students from Architecture, Art and Planning, Engineering, Graduate School, Hotel Administration, Human Ecology and Industrial and Labor Relations.

**Roads:** Central campus roads will be closed on commencement morning between 8 a.m. and 1:30 p.m. Cornell and Ithaca City Police will direct traffic. Signs directing motorists to parking areas will be posted. The campus buses will be running specific routes from the outer parking areas to the stadium. Additional information will be broadcast on Cornell Info Radio at 530 AM.

**CORNELL UNIVERSITY ACADEMIC CALENDAR 1996-97 - 2000-01**

	<u>1996-97</u>	<u>1997-98</u>	<u>1998-99</u>	<u>1999-00</u>	<u>2000-01</u>
<b>FALL TERM</b>					
Registration/Course Exchange	Tu/W 8/27-28	Tu/W 8/26-27	Tu/W 8/25-26	Tu/W 8/24-25	Tu/W 8/22-23
Instruction Begins	Th 8/29	Th 8/28	Th 8/27	Th 8/26	Th 8/24
Fall Break Begins, 1:10 PM	S 10/12	S 10/11	S 10/10	S 10/9	S 10/7
Instruction Resumes, 7:30 AM	W 10/16	W 10/15	W 10/14	W 10/13	W 10/11
Thanksgiving Recess Begins, 1:10 PM	W 11/27	W 11/26	W 11/25	W 11/24	W 11/22
Instruction Resumes, 7:30 AM	M 12/2	M 12/1	M 11/30	M 11/29	M 11/27
Last Day of Classes	S 12/7	S 12/6	S 12/5	S 12/4	S 12/2
Study Period	Su-W 12/8-11	Su-W 12/7-10	Su-W 12/6-9	Su-W 12/5-8	Su-W 12/3-6
First Days of Scheduled Exams	Th/F 12/12-13	Th/F 12/11-12	Th/F 12/10-11	Th/F 12/9-10	Th/F 12/7-8
Last Days of Scheduled Exams	M-F 12/16-20	M-F 12/15-19	M-F 12/14-18	M-F 12/13-17	M-F 12/11-15
<b>WINTER SESSION</b> Period Begins					
3-Week Classes Begin	Th 12/26	F 12/26	M 12/28	M 12/27	Tu 12/26
Winter Session Period Ends	Th 1/2/97	F 1/2/98	M 1/4/99	M 1/3/00	Tu 1/2/01
	S 1/18	S 1/17	F 1/22	F 1/21	S 1/20
<b>SPRING TERM</b>					
Registration/Course Exchange	Th/F 1/16-17	Th/F 1/15-16	Th/F 1/21-22	Th/F 1/20-21	Th/F 1/18-19
Instruction Begins	M 1/20	M 1/19	M 1/25	M 1/24	M 1/22
Spring Break Begins, 1:10 PM	S 3/15	S 3/14	S 3/20	S 3/18	S 3/17
Instruction Resumes, 7:30 AM	M 3/24	M 3/23	M 3/29	M 3/27	M 3/26
Last Day of Classes	S 5/3	S 5/2	S 5/8	S 5/6	S 5/5
Study Period	Su-W 5/4-7	Su-W 5/3-6	Su-W 5/9-12	Su-W 5/7-10	Su-W 5/6-9
First Days of Scheduled Exams	Th/F 5/8-9	Th/F 5/7-8	Th/F 5/13-14	Th/F 5/11-12	Th/F 5/10-11
Last Days of Scheduled Exams	M-F 5/12-16	M-F 5/11-15	M-F 5/17-21	M-F 5/15-19	M-F 5/14-18
Senior Week	Su-S 5/18-24	Su-S 5/17-23	Su-S 5/23-29	Su-S 5/21-27	Su-S 5/20-26
<b>COMMENCEMENT</b>	Su 5/25	Su 5/24	Su 5/30	Su 5/28	Su 5/27
<b>SUMMER SESSION:</b>					
3-Week Session Regist/Classes Begin	W 6/4	W 6/3	W 6/2	W 5/31	W 5/30
8-Week Session Regist/Classes Begin	M 6/16	M 6/15	M 6/14	M 6/12	M 6/11
3-Week Session Final Exams	F 6/27	F 6/26	F 6/25	F 6/23	F 6/22
6-Week Session Regist/Classes Begin	M 6/30	M 6/29	M 6/28	M 6/26	M 6/25
6- and 8-Week Sessions Final Exams	M/Tu 8/11-12	M/Tu 8/10-11	M/Tu 8/9-10	M/Tu 8/7-8	M/Tu 8/6-7

This Calendar may be subject to modification and is not legally binding.

Office of the Dean of the University Faculty, 5/7/96.

# New study finds weak link between good service and a good tip

By Darryl Geddes

Good service and prompt attention do little to guarantee a big tip from restaurant-goers.

A new study conducted by researchers at Cornell and the University of Houston suggests that the amount left as a tip by diners is influenced more by bill size and the fear of disappointing the server than by good service.

The study, "Tipping: An Incentive/Reward for Service?" was authored by Michael Lynn, associate professor of consumer behavior and marketing at Cornell's School of Hotel Administration and Jeffrey Graves of the Conrad N. Hilton College of Hotel and Restaurant Management.

"There is a rather weak relationship between the size of the tip and the level or quality of service one receives from their waiter or waitress," said Lynn, who has examined the social phenomenon of tipping for nearly a decade.

Lynn said the amount of the bill is still the dominant factor influencing how much tip one leaves and how much money a server earns.

The study's findings, Lynn believes, suggest that tipping may not be the incentive for excellent service that restaurant

managers believe it is.

"Managers assume that servers are motivated to perform well to get good tips, so management doesn't make any effort to modify service performance," he said. "They don't give additional incentives for providing good service because they assume the tip is a sufficient incentive. Well, this study shows that's not the case."

In the study, a waitress at a Red Lobster in Columbia, Mo., was asked to log customers' responses to her questions relating to meal quality and service, such as "Is everything all right?" and to record how much money they left as a tip. A total of 178 tables were observed.

Customers who voiced praise for their dining experience tipped an average of 12 percent of bill size, compared with patrons who did not express praise, who tipped an average of 10 percent.

"Service quality had little influence on determining how much tip diners left," Lynn said. "Those that told the waitress the service was fine offered little reward compared with those diners whose responses were noncommittal."

In a survey conducted at restaurants in Houston — Bennigan's and The Olive Garden — patrons were asked to

rate the level of service they received on a scale of 1 to 5, with 5 being best.

Patrons who rated their dining experience 4.6 or higher tipped 16.6 percent of their bill size, while those who rated their dining experience 4.4 or lower tipped an average of 14.2 percent of their bill size.

"There was relatively little difference between a tip someone would leave for adequate service or for excellent service," Lynn said.

The study results, he said, have serious implications for restaurant management. "If providing good service doesn't guarantee significantly larger tips, then there may be little incentive for wait staff to provide good service."

"Waiters and waitresses may start rushing their tables to get them to turn over faster and therefore be able to serve more dinners, which would lead to more income from tips, but also create a less desirable dining experience," Lynn said.

Restaurant managers may be better able to monitor the quality of service delivered by the wait staff by asking customers to file comment cards or by hiring "mystery diners" — diners who are paid by management to assess the performance of waiters and waitresses, Lynn suggested.

## 3 area agencies receive annual Smith Awards

Proposals of three local agencies, from among 25 applicants, have been chosen to receive the Robert S. Smith Award for community progress and innovation.

The three agencies receiving award funding for 1996 are:

- Literacy Volunteers of Tompkins County — for the development of software for the tutoring/learning needs of low-level or non-readers.

- Southside Community Center — for a summer project coordinator for the Cornell Student Sustainable Farm.

- Department of Design and Environmental Analysis in Cornell's College of Human Ecology — to design and model public-use kitchen and bathing facilities for Ithaca.

Established at Cornell in 1994 through a grant of \$100,000 by the Tompkins County Trust Co., the Robert S. Smith Award is named for the bank's former board of directors chairman, who is the W.I. Myers Professor Emeritus of Agricultural Finance at Cornell. The award is intended to generate program partnerships between the university and the citizens of Tompkins County.

The 1995 award recipients were the Women's Community Center, the Varna Volunteer Fire Company and Tompkins County 4-H, each of which completed a final project report as part of the program process.

The Women's Community Center reported it used its award to fund Cornell student Joanna Cohen's help in developing a Women's Economic Development Resource Center. Last summer, Cohen categorized and cataloged a list of resources possessed by the Women's Community Center; created two surveys to be completed by users of the proposed center to assess its effectiveness once it is operational; and created a flyer which outlines some basic economic resources available to women in the community.

Cornell graduate student Allan L. Berger reported that he and the Varna Volunteer Fire Company used the Smith Award to help develop a pre-emergency plan for each address in the Varna Fire Protection District. The plan, which is an ongoing project, would allow responding fire department officials to know how to set up a water supply for extinguishing fires at each location and to plan for special situations they would encounter at the scene (such as narrow driveways or nearby buildings).

The 4-H Urban Outreach Program of Tompkins County, which operates after-school programs at the West Village Apartment complex in Ithaca, used the Smith Award to help implement a biweekly program called Academic Excellence — Enterprise Day. "The recipient of the award, Cornell student Laura Larson, is doing an outstanding job of implementing the project," reported her immediate supervisors, Emily Robin and Susie Criswell.

## Read an offbeat book lately?



Adriana Rovers/University Photography  
Sandra Irlen '98, left, and Mehera O'Brien '98 look through a book that can be read from two sides called *A Campus Tour of Cornell/A Cynic's Campus Tour of Cornell*, created by Ian J. Ny, a student in the communication course "The Art of Publication." The book was on display at the One-of-a-Kind Book Show May 7 in Kennedy Hall, which displayed books created for the course taught by Marcelle Toor.

## Visiting rabbi preaches interfaith understanding

By Jill Goetz

As a religious Jew growing up in Utah and Texas, Mark Winer was acutely aware that he was different from his neighbors. But it was the search for commonalities that motivated him to forge ties with them then — and that still motivates him today, on a much broader scale.

In a May 9 talk in Cornell's Anabel Taylor Hall, Winer, the senior rabbi at the Jewish Community Center/Kol Ami in White Plains, N.Y., and president of the National Council of Synagogues, described some of his own experiences crossing religious, racial and other barriers, both as a student and as a representative of American Jewry.

During the 1950s and 1960s, Winer traveled to black churches across the United States as a member of the NAACP Youth Council. When he entered Harvard, he requested a Catholic roommate. When he went to Israel for *ulpan* (intensive Hebrew-language training), he shared his room with a black Ethiopian Christian.

Kassa Kebede, who went on to become Ethiopia's foreign minister, reunited with Winer years later in Addis Ababa, where the rabbi was helping Ethiopian Jews emigrate



Charles Harrington/University Photography  
Mark Winer

to Israel. The two have remained close friends; Kebede visits Winer's home each year for Passover seder.

A member of Winer's audience related such experiences to the Cornell debate about program houses and whether freshmen should live in them. Though unfamiliar with the situation on campus, Winer said such debate is healthy and mirrors an ongoing national debate.

"Right now we're in a transitional place in American society," Winer said. "We haven't really resolved the meaning of

American pluralism. We need to recognize our commonalities while respecting our authenticity."

When he isn't tending to his own congregation, Winer travels abroad as the principal American Jewish representative on steering committees between the Jewish people and the Roman Catholic Church, World Council of Churches (Protestant) and Orthodox Christian Church and as a member of the Interreligious Coordinating Council. He was one of three Jewish leaders to attend the signing in 1993 of the treaty between Israel and the Vatican, and he has met frequently with the pope, whom he called a friend of the Jews and "an extraordinary human being of integrity."

Though he has closely monitored "ethnic cleansing" in the former Yugoslavia and atrocities committed elsewhere around the globe, Winer remains an avowed optimist when it comes to the potential for peace.

"We have a world full of people who have done wrong things," he said. "But you can't say that because someone has done terrible things, you can't make peace with them. You don't make peace with your friends; you make peace with your enemies."

Winer's Cornell lecture was sponsored by the Cornell Institute for Public Affairs.

# Astronomer talks about the challenge of mapping the universe

By Larry Bernard

Mapping the nearby universe over the past 15 years has yielded only a small fraction of the observable universe, but new telescopes on the horizon will help make the job easier, according to a scientist who has been making those maps.

"The universe is a very big place. We have mapped only a small fraction of it," said Margaret J. Geller, astronomer at Harvard University and the Harvard-Smithsonian Center for Astrophysics. "If the universe were the size of the Earth, we've mapped a portion as big as the state of Rhode Island."

Geller made her remarks in a talk, "So Many Galaxies . . . So Little Time," at the Bethe Lecture May 7 in Schwartz Auditorium, Rockefeller Hall. The Bethe Lecture Series was established by the Physics Department and College of Arts and Sciences almost 20 years ago to honor Hans A. Bethe, Cornell professor emeritus of physics.

Geller, who was born in Ithaca but whose family moved when she was 2, showed a variety of slides of galaxies to explain how galaxy mapping is accomplished. The first step, she said, is to take pictures of the sky, which yields a two-dimensional map. But only in the last 15 years have computers and better optics made it possible to map the universe in three dimensions. Light from dis-



Adriana Rovers/University Photography

**Harvard astronomer Margaret Geller gives a demonstration during her May 7 lecture in Rockefeller Hall.**

tant galaxies is shifted toward the red end of the spectrum because the galaxies are receding from us. The further away they are, the greater the recession velocity. Thus, by measuring the redshifts of galaxies, astronomers determine their distance from us.

"The goal is to determine, what does the universe look like? Are there any big

patterns in the universe, any large structures?" Geller said.

Using the 60-inch telescope atop Mount Hopkins in Arizona, she and colleagues can measure redshifts of about 1,000 galaxies per year. A three-dimensional slice of the universe indeed shows a large pattern, known as the "Harvard Stickman," for its resem-

blance to a stick figure. A larger slice of the universe shows a great density of galaxies, known as the Great Wall — thousands of galaxies clustered along the plane — with great black voids in front and beyond them 150 million light years across.

"The patterns are obvious," Geller said. "There is not uniform distribution of galaxies in the universe." But, she cautioned that the map only shows about 4 percent of the observable universe, so it may not be representative. "We've learned the universe does have very large patterns, but we still really don't know how big."

In an effort to understand how the universe came to be the way it is, Harvard is building a 6.5-meter telescope on Mount Hopkins. "This telescope can easily reach 30 to 40 percent of the visible universe, which means we can see the universe when it was 40 percent as old as it is today," Geller said.

The new telescope, which is expected to see first light in 1997, will enable Geller and her associates to observe 1,000 galaxies a day, not the 1,000 a year they currently observe.

Geller concluded her talk by showing a clip from her movie, "So Many Galaxies . . . So Little Time." In it, a scientific visualization takes the viewer on a trip "not available from your travel agent," Geller said — through the Great Wall of galaxies, a 500-million-light-year excursion in about two minutes.

## Law students *continued from page 3*

ship between two international parties. Menke argued for and against the production of documents based on International Arbitration Association rules and the UNCITRAL model law. International arbitration, as opposed to U.S. court procedure, limits the availability of discovery action. Timm's arguments were based on an analysis of contractual terms and application of a United Nations treaty governing the international sale of goods.

For Menke, who will receive her juris doctorate from the Law School Sunday, the international acclaim caps an outstanding academic career. She was the winner of the Cuccia Cup Moot Court Competition in Spring 1995, a semifinalist in the moot court competition in fall 1994 and a finalist in a moot court competition in spring 1994.

"Teri's comparative advantage lies in her oral argument; she has excelled in every aspect of the moot court work," said George Hay, the Edward Cornell

Professor of Law and professor of economics, who judged Menke's final moot court competition. "She demonstrates great poise and good organization."

Menke decided when she was in elementary school that law would be the career for her. "I remember watching television at a family gathering and thinking that something I had just seen seemed so unfair," she recalled. "I turned to my aunt and asked why that was so, and she said blame the lawyers for the problem. I told her I wanted to change that."

Much of the good related to lawyers' work gets little notice, Menke argues. "Many attorneys spend their lives supporting indigent clients and doing community service work for all causes.

Practicing what she preaches, Menke has volunteered for the Loaves and Fishes soup kitchen in Ithaca and also has worked in the local Law Guardians Office, handling cases involving claims of child neglect and abuse.



**Cornell law students Teri L. Menke '96, left, and Carol A. Timm '97 flank Eric Bergster, the organizer the 1996 Willem C. Vis International Commercial Arbitration Competition, which the students won.**

The 1993 Tulane graduate will join the prestigious Baltimore law firm Ballard Spahr Andrews & Ingersoll this summer. But first, she'd like to return to Europe and get some traveling in before she begins reviewing

municipal bonds.

"I'm trying to get my parents to pay for my trip to Europe," she said, admitting that this case will surely test her persuasion and oral-argument skills.

## Merrill Presidential Scholars *continued from page 3*

**Phillip Geissler**, a chemistry major from Richmond, Va.; Ellen Mayo, Douglas Freeman High School; Roger Loring, associate professor of chemistry.

**Amy Gillis**, a mechanical and aerospace engineering major from Victor, N.Y.; Gary Thompson, Victor Senior High School; Donald Bartel, professor of mechanical and aerospace engineering.

**Jessica Hills**, a nutritional sciences major from Brooklyn, N.Y.; Jeremy Gilbert, South Shore High School; Patrick Stover, assistant professor of nutritional sciences.

**Joyce Hoying**, an industrial and labor relations major from Madison, Ind.; Mark Watson, Indiana Academy for Sciences, Mathematics and Humanities; Susanne Bruyère, senior extension associate.

**Charmaine Ing**, an agricultural, resource and managerial economics major from Kowloon, Hong Kong; Patricia Doney, The Bishop Strachan School; Ralph Christy, professor of agricultural, resource and managerial economics.

**Adam Iwantsch**, a civil and environmental engineering major from Bedford, N.Y.; Edmund Nespoli, Byram Hills High School; Jerry Stedinger, professor of civil and environmental engineering.

**Jima Jenab**, a chemistry major from Gainesville, Fla.; Kathleen Findley, Buchholz High School; Melissa Hines, assistant professor of chemistry.

**Theodor Keilholz**, a Hotel School fi-

nance and law major from North Tonawanda, N.Y.; James Deiotte, St. Joseph's Collegiate Institute; Barbara Lang, lecturer in food and beverage management.

**Freda Kirkham**, a College Scholar from St. Helena, Calif.; Sally Dungan, Thacher School; Kenneth McClane, English professor.

**Matthew Kumpf**, a biometry and statistics major from Centereach, N.Y.; Carl Krolik, Centereach High School; Stephen Ceci, professor of human development and family studies.

**Tseng Wai Alex Leung**, an applied and engineering physics major from Kowloon, Hong Kong; Patrick Siu, St. Francis of Assisi's College; Alexander Gaeta, assistant professor of applied and engineering physics.

**Nicole Lloyd**, a physics major from Woodbridge, Va.; Gary Manning, Radford High School; Martha Haynes, professor of astronomy.

**Norbert Lou**, an agricultural and bioengineering major from Windsor, Conn.; Richard Afragola, Windsor High School; Kifle Gebremedhin, professor of agricultural and biological engineering.

**Yinqing Ma**, a food science major from Shanghai, China; Lixin Han, High School Affiliated with Jiaotong University; Dennis Miller, professor of food science.

**Darael Mahoney**, a human service studies major from Erin, N.Y.; Gary Chollet, Horseheads High School; Ellen Johnson deLara, lecturer in human service studies.

**Filip Ronning**, a physics major from Cherry Hill, N.J.; Murray Fineman, Cherry Hill High School West; Bruce Kusse, professor of applied and engineering physics.

**Mark Saindon**, a chemical engineering major from Glastonbury, Conn.; Elizabeth Shamroth, Glastonbury High School; Claude Cohen, professor of chemical engineering.

**Jennifer Sceppa**, a biology major from Sea Girt, N.J.; Kent Zerby, Freehold High School; Jeffrey Doyle, associate professor of botany.

**Jeffrey Schenck**, an electrical engineering major from Hebron, Conn.; Carol Powell, RHAM High School; Jon Hagen, director of lab operations of the National Astronomy and Ionosphere Center at Cornell.

**Marisa Schiller**, a biology major from Baldwin, N.Y.; George Wilson, Baldwin Senior High School; Robert Johnston, professor of psychology.

**James Scott**, a Hotel School financial management and accounting major from Lockhart, Texas; Yvonne Gandy, Lockhart High School; Gordon Potter, associate professor of financial management.

**Derek Shaffer**, an industrial and labor relations major from Scarsdale, N.Y.; Leonard Weinstein, Edgemont High School; Nicholas Salvatore, associate professor of history in the School of Industrial and Labor Relations.

**Ross Silver**, a biology major from Lakewood, N.Y.; Christine Potter, Clarkstown

High School North; Miriam Salpeter, professor of neurobiology and behavior.

**Reed Singer**, a city and regional planning major from Racine, Wis.; Tom Defazio, McKinley Middle School; Robert Abrams, senior lecturer in real estate.

**Eytan Szmulowicz**, a psychology major from Toronto, Canada; Graeme Mawson, Community Hebrew Academy; Paul Sherman, professor of neurobiology and behavior.

**James Toung**, a biology major from Towson, Md.; Richard Yuknavich, Loch Raven High School; Peter Nathanielsz, professor of physiology at the College of Veterinary Medicine.

**Tracy Triplett**, a natural resources major from Stamford, Conn.; Ina Mirviss, Westhill High School; Mark Bain, associate professor of natural resources.

**Jerome Walford**, an art major from Brooklyn, N.Y.; Roberta Berman, Erasmus Hall High School and Academy of the Arts; Gregory Page, associate professor of art.

**Serena Wong**, a linguistics major from Vancouver, B.C.; Jean McLagan, York House School; Carol Rosen, associate professor of modern languages.

**Jamie Wood**, a human development and family studies major from Middlebury, Vt.; Cindy Atkins, Middlebury Union High School; Steven Robertson, associate professor of human development and family studies.

## New students get electronic 'travel' lessons from CIT

By Charlotte Kiefer and Daisy Dailey

With the rate of computer and network use on campus steadily climbing, issues surrounding the responsible use of technology are on many minds. To teach incoming students about the technologies available at Cornell and about what is, and what is not, acceptable behavior in terms of computer use, the "Travelers of the Electronic Highway" workshops were created. Cornell Information Technologies (CIT), in cooperation with the Faculty Advisory Board on Information Technologies (FABIT) and the Office of Student and Academic Services, developed the courses and first offered them in fall 1994.

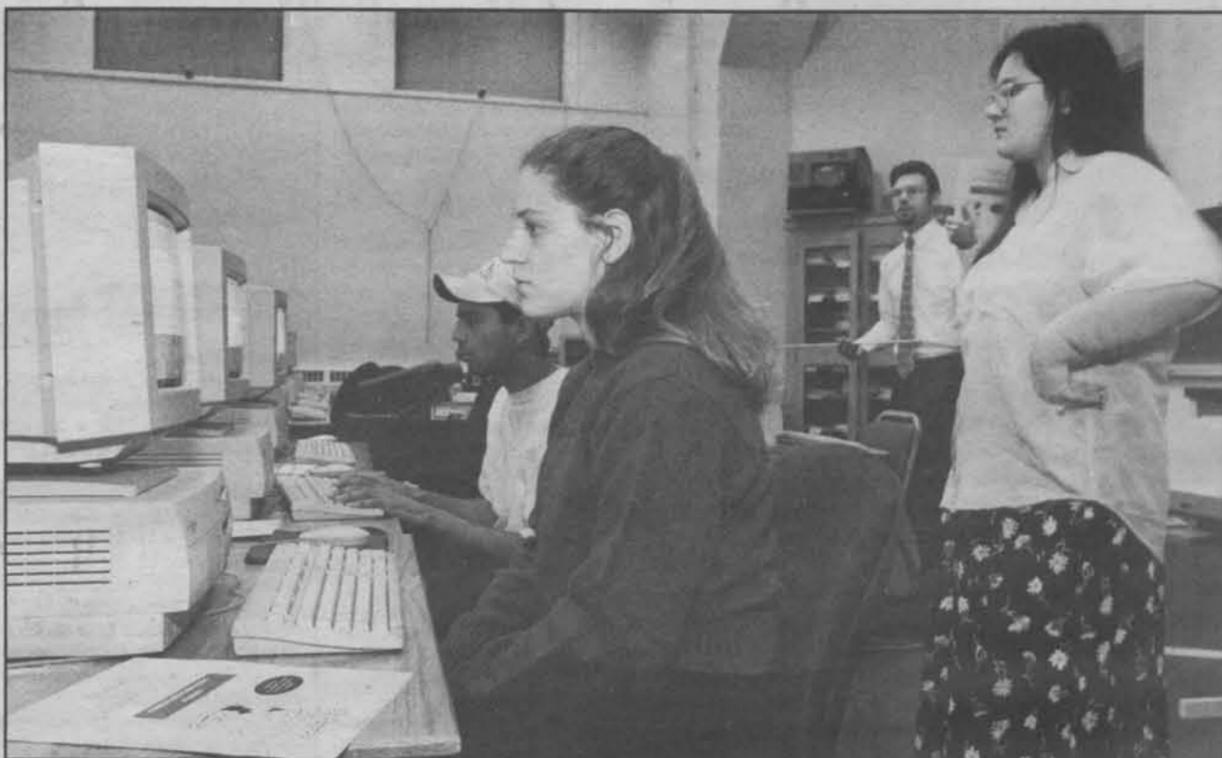
In its January 1995 report to the provost and the vice president of information technologies, the advisory board requested that CIT enhance the Travelers of the Electronic Highway (TEH) program. "FABIT asked CIT to create and expand the TEH program because it is essential that a university in the information age provide its students with the means and the know-how to effectively utilize electronic information resources," said Ronnie Coffman, chair of FABIT and associate dean and director of research at the College of Agriculture and Life Sciences.

FABIT recommended that the TEH course curriculum provide students with the necessary training to send e-mail, navigate the World Wide Web, use electronic library resources and become competent and responsible "travelers of the electronic highway."

"They believed that the incoming students should know how to use the Internet, especially electronic mail, so that students can submit and receive papers for their classes," said Lisa Gregory-Mix, program coordinator for TEH.

With funding from the Office of Student and Academic Services, CIT Training revamped the original TEH program for fall 1995. More than 60 returning undergraduates were hired to teach the classes, having been trained to present the specified curriculum, keep track of student attendance and assist participants as they worked through the hands-on portions of the course.

The workshops were held in computer labs all over campus, including CIT labs and college and department labs in Warren Hall, Mann Library, Carpenter Library and the ILR School. The School of Hotel Administration, the Johnson Graduate School of Management, the College of Veterinary Medicine and the Law School taught the workshop to their



Adriana Rovers/University Photography

Seated from left, Rishi Prasad '98 and Stacy Ziman '99 take part in the Travellers of the Electronic Highway class on April 29, while instructor Fred Quenzer and teaching assistant Carina Hayek '98 look on.

own students, using CIT's TEH course materials.

When the 5,500 new students, including first year, transfer and graduate students, entered Cornell in the fall of 1995, all were required to attend a TEH class. In the class, students received an overview of the Internet and were informed about responsible computer use and abuse policies at Cornell. They also saw a videotape emphasizing the importance of appropriate use of computers and networks at Cornell. Shown at each TEH session, the film discussed "netiquette," or courteous and considerate use of the Internet, as well as legal aspects of electronic harassment and computer abuse.

"TEH is a good way to impart the information about netiquette and the basics of Bear Access and using mail disks," said Melissa Ho, a first-year computer science major. Ho expressed concern that students who are already technologically literate may find the workshop somewhat basic, but added, "I still think it is relatively necessary." One of the challenges of putting together such a course, Gregory-Mix said, is to provide the necessary information to students who are already familiar with the technology, to students who are not at all familiar with it and to students who fall somewhere in between.

In general, student evaluations of the TEH class were

positive. Ninety-three percent of those who responded said they felt more comfortable using the Internet after taking the workshop. Most students thought that the course, along with the guide they received at the workshop, gave them the skills to send and retrieve e-mail, find material for a paper and explore the Internet.

The use of computers and networks on campus is ubiquitous. A very large proportion of faculty, staff and students use e-mail, and all students use CourseEnroll, the electronic course request system, to pre-enroll for classes. More and more classes are requiring students to use electronic media for communication and coursework. Through programs such as TEH, Cornell students can become competent and responsible travelers of the electronic highway.

The TEH program is coordinated by Gregory-Mix under the direction of Sharon Sledge, manager of Technology Training Services (TTS), formerly known as CIT Training. It will again be required for all new students entering Cornell next fall. For more information about TEH and other TTS offerings, contact TTS by phone at 255-8000, by e-mail at <cit\_training@cornell.edu> or on the World Wide Web at <http://www.cit.cornell.edu/cit-training/Training.html>.

## Ezra Cornell's life is focus of exhibit

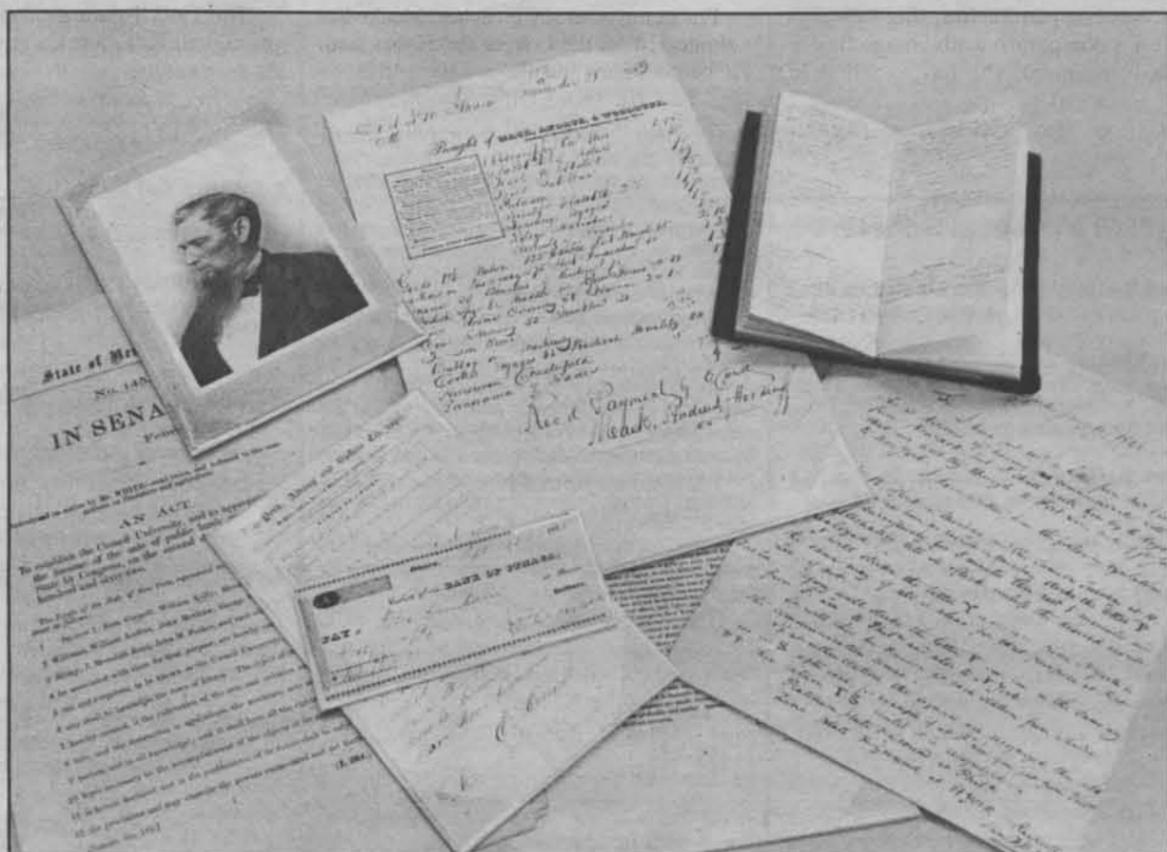
While best known for his role in founding the university that bears his name, Ezra Cornell exemplifies the ingenuity and invention that was necessary to move the United States from an agrarian to an industrial base. During his lifetime, Cornell worked as a carpenter, mechanic, farmer, salesman, inventor, entrepreneur, politician and philanthropist.

The Division of Rare and Manuscript Collections' current exhibition, *Invention and Enterprise: Ezra Cornell, A 19th Century Life*, is on display in the Kroch Library Gallery on campus and chronicles the drama of Cornell's life and its rich historical context.

Prepared by University Archivist Elaine D. Engst, with the assistance of Mark Dimunation, Nancy Dean, Maggie Hale and Phil McCray, the exhibition can be viewed Monday through Friday from 8 a.m. to 5 p.m. through June 10.

As a young man, Cornell participated in the early economic development of Ithaca. The exhibit includes Henry Walton's hand-colored lithograph of Ithaca in 1836. Cornell later traveled from Maine to Georgia selling plows, and his comments on sights and events include first-hand observations on slavery in the South. His aptitude for design, mechanics and construction and his acquaintance with Samuel F.B. Morse led to his work in the development of the telegraph, illustrated by a letter from Morse and the original telegraph receiver used in the first telegraph transmission. Cornell was instrumental in the expansion of telegraph lines, and when the lines were consolidated into the Western Union Co., he became its largest shareholder.

Ezra Cornell was active in politics, and the exhibit includes campaign ribbons and other items from presidential elections from William Henry Harrison to Abraham Lincoln. He served in the New York State Legislature, and, as a member of the New York state delegation, attended the inauguration of Abraham



Charles Harrington/University Photography

Examples of Ezra Cornell's papers on exhibit in the Kroch Library Gallery include a check from the Bank of Ithaca signed by Cornell in 1835, a receipt for books purchased by Cornell in 1839, a letter to Cornell from Samuel F.B. Morse, 1846, a New York State Senate bill to establish Cornell University, 1865, and Cornell's diary from 1866.

Lincoln, which he noted in his pocket diary. During the Civil War, family members served in both the Union and Confederate armies, and Cornell himself was active in relief work. Throughout his life, he was deeply interested in the implementation of scientific principles for agriculture. While he used his fortune for various philanthropies, his abiding concern for

education culminated in the founding and endowment of Cornell University.

This exhibition is primarily based on the letters, diaries, photographs, documents and publications in the Ezra Cornell Papers in the Division of Rare and Manuscript Collections. Additional items are on loan from the Johnson Art Museum and the College of Engineering.

# CALENDAR

May 16 through May 23

All items for the Chronicle Calendar should be submitted (typewritten, double spaced) by campus mail, U.S. mail or in person to Chronicle Calendar, Cornell News Service, Village Green, 840 Hanshaw Road.

Notices should be sent to arrive 10 days prior to publication and should include the name and telephone number of a person who can be called if there are questions.

Notices should also include the subheading of the calendar in which the item should appear.

## exhibits

### Johnson Art Museum

The Herbert F. Johnson Museum of Art, on the corner of University and Central avenues, is open Tuesday through Sunday from 10 a.m. to 5 p.m. Admission is free. Telephone: 255-6464.

- "Still Time: Photographs by Sally Mann," through May 26.
- "A Life Well Lived: Fantasy Coffins of Ghana by Kane Quaye," through June 16.
- "The Gertrude Tucker '30 and David Tucker Collection of American Painting," May 18 through Aug. 11.
- "Methods and Media: 20th Century Sculpture From the Collection," May 18 through Aug. 11.
- Art for Lunch: Thursday Noontime Gallery Talks: On May 16, museum staff will offer a tour of "A Life Well Lived: Fantasy Coffins of Ghana by Kane Quaye," starting at noon.
- Sunday Afternoon Artbreaks: Kathy Taylor, senior docent, will present "Chinese Ceramics" May 19 at 2 p.m.

### Hartell Gallery (M-F 8 a.m.-5 p.m.)

Sculpture by Stacy Latt, through May 18.

### Kroch Library Exhibition Room 2B

"Invention and Enterprise: Ezra Cornell, a 19th-Century Life," curated by Elaine Engst, university archivist, through June 9.

### Tjaden Gallery (M-F, 8 a.m. to 5 p.m.)

B.F.A. Thesis Shows, through May 24.

### Veterinary Medical Center

Paintings by Corinne T. Kenney, DVM '62, are on display in the center's gallery through June 9.

## films

Films listed are sponsored by Cornell Cinema unless otherwise noted and are open to the public. All films are \$4.50 (\$4 for students and children under 12), except for Tuesday night Cinema Off-Center at the Center for Theatre Arts (\$2) and Saturday or Sunday matinees (\$3.50). Films are held in Willard Straight Theatre except where noted.

### Thursday, 5/16

"Carmen Miranda: Bananas Is My Business" (1995), directed by Helena Solberg, with Cynthia Adler, Eirck Barreto and Leticia Monte, 7:15 p.m.  
 "A Better Tomorrow I" (1986), directed by John Woo, with Chow Yun Fat, Leslie Cheung and Ti Lung, 9:15 p.m.

### Friday, 5/17

"Carmen Miranda: Bananas Is My Business," 7:30 p.m.  
 "Heat" (1995), directed by Michael Mann, with Robert De Niro, Al Pacino and Val Kilmer, 9:30 p.m.

### Saturday, 5/18

"Carmen Miranda: Bananas Is My Business," 7:30 p.m.  
 "St. Elmo's Fire" (1985), directed by Joel Schumacher, with Rob Lowe and Demi Moore, 9:30 p.m.

### Sunday, 5/19

"Heat," 8 p.m.

### Monday, 5/20

"Andrei Roublev" (1969), directed by Andrei Tarkovsky, 7 p.m.  
 "St. Elmo's Fire," 10:30 p.m.

### Tuesday, 5/21

"Reality Bites" (1994), directed by Ben Stiller, with Winona Ryder, Ethan Hawke and Ben Stiller, 7:30 p.m.  
 "The Breakfast Club" (1985), directed by John Hughes, with Molly Ringwald and Judd Nelson, 9:45 p.m.

### Wednesday, 5/22

"A Better Tomorrow II" (1987), directed by John Woo, with Chow Yun Fat, Leslie Cheung and Ti Lung, 7:15 p.m.  
 "Reality Bites," 9:45 p.m.

### Thursday, 5/23

"The Breakfast Club," 7:15 p.m.  
 "A Better Tomorrow II," 9:30 p.m.

## graduate bulletin

- **Move to Caldwell:** The Graduate School offices have moved from Sage Hall to Caldwell Hall.
- **May degree:** All requirements for a May degree must be completed by May 17.
- **Commencement:** Commencement is on Sunday, May 26. Commencement information packets have been mailed to all recipients of August 1995 and January 1996 degrees. Candidates for May 1996 degrees: Professional Master's degree candidates may obtain packets in graduate field offices; M.A., M.S. and Ph.D. degree candidates may pick up packets at the Graduate School information desk, first floor, Caldwell Hall.
- **Diploma distribution:** Diplomas will be available for May 1996 degree recipients who completed requirements by mid-March. Many fields and/or colleges will be distributing diplomas at ceremonies after commencement. Diplomas will be mailed to other recipients.
- **Ph.D. recognition event:** The ceremony to honor Ph.D. recipients will be held in Barton Hall at 5 p.m., Saturday, May 25. Family, friends and faculty advisers are invited; reception will follow. Candidates who participate must wear a cap and gown and must register in Barton Hall between 3:45 and 4:15 p.m. before the ceremony.
- **Faculty:** Graduate faculty meeting will be held on Friday, May 24, at 4 p.m. in Caldwell Hall. The meeting is solely for the purpose of voting on May degrees.
- **August degrees:** Friday, Aug. 23, is the deadline for completing all requirements for an August degree, including submitting the thesis/dissertation to the Graduate School.
- **Big Red Barn BBQ:** Friday, May 17, all grads are invited for a free barbecue supper, 4:30 p.m. until food is gone; bring grad ID card.
- **Summer hours, Big Red Barn:** The Big Red Barn Grad Center will close after May 17 and will reopen again on Saturday, Aug. 24, for Graduate Student Activities Week. Cornell Dining Service will continue throughout the summer in the BRB Mondays through Fridays, 8 a.m. to 2 p.m. (closed May 27-June 9).
- **Student manager position:** Applications are available for Big Red Barn student manager for fall. Contact 254-GRAD for information.

## music

### Department of Music

On Sunday, May 19, at 4:15 p.m. in Barnes Hall, concertgoers will have the opportunity to hear the music of four 20th-century composers in a program organized by composer Sally Lamb. The recital features works by Mel Powell, Anton Webern and Edgar Varese, interspersed with four of her own works.  
 Prior to the concert, Lamb will present a lecture in the hall at 3:30 p.m.

**Bound for Glory**  
 May 19: Albums from the studio. Bound for Glory is broadcast Sundays from 8 to 11 p.m. on WVBR-FM, 93.5 and 105.5.

## religion

### Sage Chapel

No service May 19.

### African-American

Sundays, 5:30 p.m., Robert Purcell Union.

### Baha'i Faith

Fridays, 7 p.m., firesides with speakers, open discussion and refreshments. Meet at the Balch Archway; held in Unit 4 lounge at Balch Hall. Sunday morning prayers and breakfast, 7 a.m.

### Catholic

Weekend Masses: Saturday, 5 p.m.; Sunday, 10 a.m., Anabel Taylor Auditorium. Daily Masses: Monday-Friday, 12:20 p.m., Anabel Taylor Chapel. Sacrament of Reconciliation, Saturday, 3:30 p.m., G-22 Anabel Taylor Hall.  
 Ascension Mass: May 16, 12:20 p.m., Chapel, Anabel Taylor Hall; 7 p.m., Chapel (French Mass).

### Christian Science

Testimony meetings sharing healing through prayer and discussion every Thursday at 7 p.m., Founders Room, Anabel Taylor Hall. For more information see <<http://www.msc.cornell.edu/~bretz/cso.html>>.

### Episcopal (Anglican)

Sundays, worship and Eucharist, 9:30 a.m., Anabel Taylor Chapel.

### Friends (Quakers)

Sundays, 11 a.m., meeting for worship in the Edwards Room of Anabel Taylor Hall. Discussions most weeks at 9:50 a.m., 314 Anabel Taylor Hall.

### Jewish

Morning Minyan at Young Israel, 106 West Ave., call 272-5810.  
 Friday Services: Conservative: 6 p.m., Founders Room, Anabel Taylor Hall; Reform: 6 p.m., ATH Chapel; Orthodox: call for time, 272-5810, Young Israel.  
 Saturday Services: Orthodox: 9:15 a.m., One World Room, ATH.

### Korean Church

Sundays, 1 p.m., chapel, Anabel Taylor Hall.

### Latter-day Saints (Mormon)

Sunday services: Cornell Student Branch, 9 a.m., Ithaca ward, 1 p.m. For directions or transportation, call 272-4520, 257-6835 or 257-1334.

### Muslim

Friday Juma' prayer, 1:15 p.m., One World Room, Anabel Taylor Hall. Daily Zuhr, Asr, Maghreb and Isha' prayers at 218 Anabel Taylor Hall.

### Orthodox Christian (Eastern Orthodox)

Sundays, Divine Liturgy at 10 a.m., St. Catherine's Greek Orthodox Church, 120 W. Seneca St., 273-6884.

### Protestant Cooperative Ministry

Sundays, 11 a.m., chapel, Anabel Taylor Hall.

### Sri Satya Sai Baba

Sundays, 10:30 a.m., 319 N. Tioga St. For details call 273-4261 or 533-7172.

### Zen Buddhist

Tuesdays, 5 p.m.; Thursdays, 6:45 p.m., chapel, Anabel Taylor Hall.

## seminars

### Advanced Computing Research Institute

"PDESolve: A Framework for PDE Simulation," Gal Berkooz, president, BEAM Technologies Inc., May 20, 12:15 p.m., 708 Rhodes Hall.

### Biochemistry

"Saccharomyces Telomeres: Maintaining the End," Virginia Zaikian, Princeton University, May 17, 4 p.m., large seminar room, Biotechnology Building.

### Chemistry

The Aggarwal Lectures in Polymer Science will be given by Helmut Ringsdorf of the University of Mainz, Germany: "What Do Multienzyme Complexes and Photoconductive Discotic Liquid Crystals Have in Common?" May 20, 4:40 p.m., 119 Baker; "Tailoring of Bioreactive Surfaces," May 21, 9 a.m., 700 Clark Hall; and "Function Based on Self-Organization and Molecular Recognition," May 22, 1:30 p.m., 700 Clark Hall.

### Genetics & Development

"Comparative Genomics," J. Craig Venter, president, The Institute for Genomic Research,



Cornell Cinema presents "Carmen Miranda: Bananas Is My Business" May 16, 17 and 18. Check the Films listing for details.

May 20, 4 p.m., large seminar room, Biotechnology Building.

"Labeling of Plant Mitochondria With Green Fluorescent Protein (GFP) Permits the Study of Shape and Movement of Plant Mitochondria *in vivo*," Rainer Kohler, May 22, 12:20 p.m., small seminar room, Biotechnology Building.

### Immunology

"Dietary Protein and Immune Function in Aging Rats," Richard Ha, microbiology and immunology, May 17, 12:15 p.m., Boyce Thompson Auditorium.

### Plant Biology

"Indole-3-Butyric Acid (IBA) in Plants: Occurrence, Synthesis and Metabolism," Ephraim Epstein, Volcani Institute, Israel, May 17, 11:15 a.m., 404 Plant Science Building.

## miscellany

### Alcoholics Anonymous

Meetings are open to the public and will be held Monday through Friday at 12:15 p.m. and Saturday evenings at 5 p.m. in Anabel Taylor Hall. For more information call 273-1541.

### Clothing Drive

Ecology House is collecting clothing to be distributed to local agencies. Donations are being sought from faculty, staff and students. Specially marked collection boxes are in the lobbies of residence halls, the Big Red Barn, Willard Straight Hall, Noyes Community Center, Robert Purcell Community Center and Humphreys Service Building through May 18. For more information, call Amber O'Reilly, chair of the clothing recovery drive, at 253-1283.

### Emotions Anonymous

This 12-step group that helps people deal with emotional problems meets for a discussion meeting on Sundays at 7:30 p.m. and a step meeting on Tuesdays at 8 p.m. at the St. Luke Lutheran Church, 109 Oak Ave., Collegietown. For more information call 387-0587.

### Lunchtime Meditation

For beginner through experienced meditators, health educator Nanci Rose will give instruction in various techniques Wednesdays from 12:15 to 1 p.m. in the North Room of Willard Straight Hall. Open to all faculty and staff and sponsored by the ALERT Peer Education Program. For information, call Gannett at 255-4782.

## sports

### Men's Hwt. Crew

May 19, EARC at Worcester, Mass.

### Men's Ltwt. Crew

May 19, EARC at Worcester, Mass.

### Men's Outdoor Track

May 18-19, IC4A Champs. at George Mason

### Women's Outdoor Track

May 18-19, ECAC Champs. at George Mason