

CORNELL Chronicle

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STEPPING DOWN

Vet School Dean Robert Phemister and Cooperative Extension Director Lucinda Noble are stepping down from their posts.

4-5

CONGRATULATIONS

A page of student and faculty awards and honors appears inside.

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Murphy chosen as v.p. for student, academic services

By Sam Segal

Susan H. Murphy, Cornell's dean of admissions and financial aid since 1985, has been recommended to succeed Larry Palmer as vice president for student and academic services.

The recommendation, to be presented to the Board of Trustees this weekend, was announced by Provost Malden C. Nesheim, who cited Murphy's pertinent experience, management successes and effectiveness in working closely with students.

"During a period when financial aid has been a critical concern and there has been a prolonged shrinkage in the pool of 18-to-24-year-olds," said Nesheim, "Susan's leadership has maintained the quality and quantity of applicants and has sustained a financial-aid program that balances generosity

with budgetary responsibility. I'm confident she will be a strong and effective vice president for student and academic services."

Murphy's new position, which she assumes July 1, has responsibility for key elements of student life, including the Dean of Students Office, Campus Life, fraternities and sororities, the Public Service Center, services such as the registrars' offices and the Career Center and academic-support services, including the Learning Skills Center.

While she sees much work ahead on housing questions, fraternity/sorority life, gay and lesbian issues and furthering Palmer's commitment to integrating academic and extracurricular life, she says the broadest challenge concerns "development of a sense of community."

Noting Cornell's geographic and ethnic

diversity, its spectrum of academic programs and its wealth of social and service groups, Murphy said, "We have a wonderful array of communities, but the great challenge is to develop a true sense of community - singular - within that diversity."

She said she did not have the answer but looked forward to working on the question.

Under Palmer, who will return to full-time teaching at the Cornell Law School in January, the vice presidency was for "academic programs and campus affairs." The title change to vice president for student and academic services reflects the emphasis that the administration wants the position to give to student needs both on and off campus.

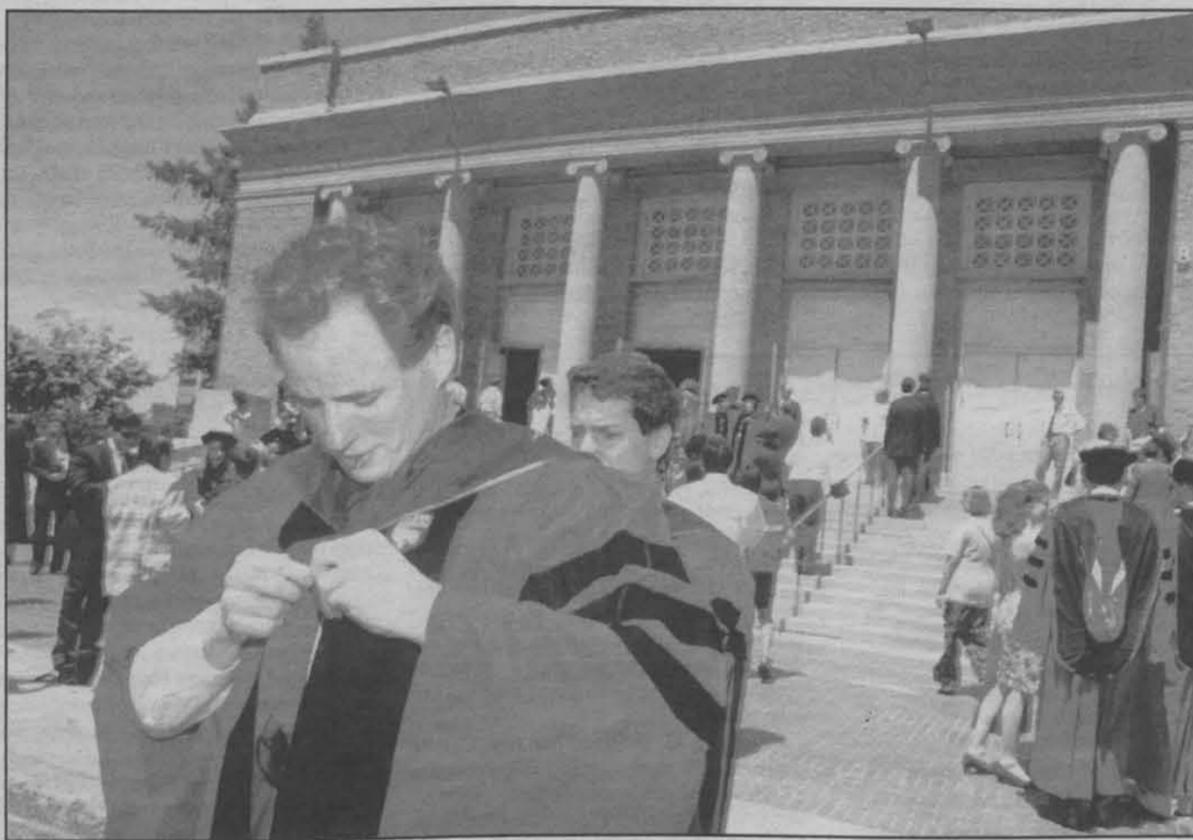
Although Murphy's deanship has required continual attention to numbers and budgets, she says she remained aware that

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Charles Harrington/University Photography
Susan Murphy

Preparing for the finale



Peter Morenus/University Photography

Jack Griecci prepares for the 107th Law School Final Convocation last Sunday outside Bailey Hall. Griecci is leaving Ithaca to become an attorney in Los Angeles. This year, the Law School conferred 186 juris doctor (J.D.) degrees and 37 master of law (LL.M.) degrees. Of those receiving J.D.s, 40 percent are women and 26 percent are minorities.

Commencement

Following is an abbreviated calendar of commencement events:

Saturday, May 28:

- **President's Breakfast Reception:** Graduates and their families will be honored on the Arts Quad from 7:30 to 9:30 a.m.

- **Senior Convocation:** In Barton Hall at noon.

- **Ph.D. Recognition Ceremony:** In Barton Hall at 5 p.m.

Sunday, May 29:

- **Baccalaureate Service:** In Bailey Hall at 8:30 a.m.

- **Commencement:** In Schoellkopf Field from 11 a.m. to noon. President Frank H.T. Rhodes will speak.

Rosenblatt, 70, gets degree 52 years later

By Susan Lang

Helene Rosenblatt, 70, dropped out of Cornell 52 years ago after her freshman year - the year Pearl Harbor was attacked. This week, the white-haired grandmother of 10 becomes "Rosenblatt '94" when she dons her cap and gown and receives her bachelor of science degree from Cornell's College of Human Ecology.

Rosenblatt may be the oldest undergraduate ever to receive a Cornell degree, although no one can confirm that.

A full-time student for the past three years majoring in human service studies with a concentration in gerontology, Rosenblatt said the time just was not right to return to campus in 1942.

"I loved my freshman year, but I just couldn't go back to 'Shangri-La' where life always seemed one step removed from reality," especially when the reality of the times was so grim, she said.

Rosenblatt had been spending the summer working for the war effort, volunteering for the Red Cross, USO, Friends of France, Bundles for Britain as well as work-

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Kreiswirth wins scholarship to study at Oxford

By Kristin Costello

"Oh, the places you'll go!" Dr. Seuss proclaimed in his celebrated storybook, often quoted at graduations. It is a message that holds special significance for Cornell senior Brian Kreiswirth, who will attend school in England this fall on a Keasbey Scholarship.



Kreiswirth

Kreiswirth, 20, learned that he won the two-year Keasbey Scholarship in January and is ebullient as he talks about attending Oxford University's Hertford College.

One of three recipients to be awarded the distinguished scholarship, Kreiswirth plans to broaden his interest and experience in politics and economics while studying in England.

The scholarship, similar to the more widely known Rhodes Scholarship, provides for two years of graduate work in Britain, including living and travel expenses.

The other two recipients are graduates of Dartmouth and Brown University.

The scholarship was created by the late Marguerite A. Keasbey, an American, who admired the British educational system and wanted to create the opportunity for American students to study at British institutions.

After learning of the scholarship from the university career office, Kreiswirth began the process of applying: filling out forms, being selected by Cornell and finally, the interview before the selection committee

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OBITUARY

Sir Keith Falkner, one of England's most distinguished bass baritones and a former professor of music at Cornell from 1950 to 1960, died May 17 at his home in Bungay, England. He was 94.

Born March 1, 1900, in Cambridge, England, Falkner established himself as the premier singer of Bach, during a career that spanned more than three decades, beginning in the mid-1920s. He was especially noteworthy in the role of Christus in the *St. Matthew Passion*, which he would sing numerous times throughout his career.

His performances were routinely raved by the critics. Of his 1939 performance in the *Creation* at Albert Hall with the Royal Choral Society, *The Musical Times* reported, "It was, as always, a pleasure to hear Mr. Falkner sing with imperturbable dignity music of classical purity."

Following service in the Royal Naval Air Service during World War I, Falkner studied voice at the Royal College of Music, where he returned in 1960 as its director. In the 1940s, Falkner served as music officer of the British Council in Rome, where he gave lectures, recitals and concerts in an attempt to provide a wider understanding of British music and culture in Italy.

Falkner was appointed visiting professor of music at Cornell in 1950, becoming the first voice teacher on the Cornell faculty. He was promoted to full professor in 1958.

At Cornell, Falkner organized or coached performances of operas and similar productions, such as Ralph Vaughn Williams' *Riders to the Sea* and Purcell's "Masque of Night" from *The Fairy Queen*. He also launched the *Cornell Music Review* and became its first editor. Falkner also was responsible for bringing Vaughn Williams to Cornell in 1954 to serve as a guest professor. An avid sportsman, Falkner organized a Commonwealth cricket club at Cornell.

Shortly before his death, Falkner donated his library, which includes numerous vocal scores, record albums and books, to the Cornell Music Library.

He gave his last public appearance in 1960 in England, where he sang Bach's *Ich habe genug*, a work with which he had become closely associated during his career. He received the honor of knighthood in 1967.

He is survived by two daughters and several grandchildren.

CORNELL Chronicle

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Cornell in times past



Division of Rare and Manuscript Collections/Carl A. Kroch Library

Instead of ending up at Slope Day, in the 1920s the senior class sang songs familiar to Cornellians from the Goldwin Smith portico to celebrate the end of classes.

Board of Trustees to meet on campus May 28

Cornell's Board of Trustees will have two open sessions Saturday, May 28, when it meets in the Marriott Conference Center of the Statler Hotel.

During the first 45 minutes of the 10 a.m. meeting, in the center's amphitheater, the board will be updated on strategic planning. An open session from about 1:45 to 3:15 p.m. will include the annual report on "Progress Toward Diversity," a projection of statutory-college finances for next year, and reports from the dean of the faculty, the university librarian and the outgoing Student Assembly president.

The board Executive Committee's 12:15 p.m. meeting on Friday, in the Statler's Taylor Room, will be open for the first 15 minutes for discussion of statutory finances. Other open sessions of board committees, also on Friday, are:

- Buildings and Properties: 9 a.m. in the Statler's Yale/Princeton Room; the first few minutes, for discussion of progress on state construction projects or plans.

- Academic Programs and Campus Life: 7:30 p.m. dinner meeting in the Statler's Taylor Room; the first 15 minutes, to discuss proposed Bronfenbrenner Life Course

Center for the study of changes in typical life pathways.

- Land Grant and Statutory College Affairs: full meeting, starting at 4 p.m. in G-01 of the Biotechnology Building, will be open.

Anyone wishing to attend the open portion of the full board and Executive Committee meetings may obtain tickets beginning at 9 a.m. May 27 at the Information and Referral Center in the Day Hall lobby on campus. A limited number of tickets will be available for the public, one per person, on a first-come, first-served basis.

Susan Murphy *continued from page 1*

her main purpose was educating students, and she became known as an administrator who was comfortable talking with them long after they had been admitted to the university.

In fact, she says "one of the most rewarding - if exhausting - times of my professional life" was the long rounds of talks in April 1991, after protests by minority stu-

dents who were concerned about government retrenchment in financial-aid programs. After the immediate crisis, she continued to offer regular student forums on financial aid.

'Susan's leadership has maintained the quality and quantity of applicants and has sustained a financial-aid program that balances generosity with budgetary responsibility. I'm confident she will be a strong . . . vice president for student and academic services.'

- Malden C. Nesheim

"Whenever I begin to feel the weight of bureaucracy, I like to find a group of students to work with," said Murphy, who also works closely with Cornell National Scholars and is an adviser to her sorority, Pi Beta Phi. "In the new position, I'll have greater

involvement with current students, which I certainly look forward to."

Murphy has been a student herself in recent years, just receiving her Ph.D. degree this spring and planning to march in doctoral robes at the 126th commencement May 29. Her thesis, "The Impact of Student Debt on Post-Baccalaureate Decisions," concluded somewhat surprisingly that undergraduate debt is not a major influence on plans to attend graduate and professional schools.

Murphy, 42, received her first Cornell degree, a B.A. in history, in 1973, worked as a high-school guidance counselor, then returned to Cornell in 1978 as associate director of admissions. She also served as senior associate director then as director of financial aid and student employment.

She is tireless and intensely focused, has averaged about a week a month on the road and has managed a staff of about 70 with calmness and efficiency, often getting a jump on the day's work by beginning her office reading in her kitchen at 6 a.m.

Murphy was Cornell's and the Ivy League's first woman to be dean of admissions and financial aid and is Cornell's first and only woman vice president since 1980, when Constance B. Cook resigned as vice president for land grant affairs.

Being a woman, Murphy said, "was something I didn't think about at all in going through the process, but I've begun to as others mention it.

"Of course I'm cognizant of the numbers," she added, referring to the proportion of women in senior positions, "and I hope that changes."

Lambert named acting v.p. for CIT

H. David Lambert, director of network resources, has been named acting vice president for information technologies, Provost Malden C. Nesheim announced Tuesday.

The appointment becomes effective July 1, when Vice President M. Stuart Lynn's resignation takes effect.

Lambert has more than 20 years of professional experience in information and communications technology. Currently he is responsible for data, video and voice communications systems at Cornell. Before coming to Cornell in early 1989, Lambert was assistant director for network services at Indiana University. He has a B.A. and M.A. in political science from West Virginia University in 1971 and 1972, respectively.

Lynn is stepping down after six years at Cornell to be able to spend more time with his wife and family in California.

BRIEFS

■ **English teachers:** Interested in helping people from foreign countries associated with the Cornell community? The Cornell Campus Club has a program for teaching English as a second language to persons temporarily in Ithaca. The classes require a two-hour commitment per week, plus preparation, for the six-week summer session. For information, contact Ann Marie Dullea at 277-2488 or Joan McMinn at 277-0013.

Undergraduate publication is distributed over Internet

By William Holder

Mixing print publication with electronic distribution over the worldwide Internet, editors of the undergraduate *Cornell Political Forum* are simultaneously producing their publication at six universities in addition to Cornell—Harvard, Princeton, Michigan, Stanford, Yale and Pennsylvania.

The entire magazine is prepared in electronic form at Cornell and then distributed electronically to these institutions, where it is printed on high-quality Xerox Docutech printers attached to the Internet.

M. Stuart Lynn, Cornell vice president for

information technologies, cited this project as an innovative example of how advanced electronic technology can enhance the distribution of information while preserving the traditional quality of the printed page.

"Many publishers are talking about moving away from traditional methods of printing at a single central location," Lynn said. "With support from Xerox Corp. and Cornell Information Technologies, these undergraduates have attacked the problem of composing locally and printing simultaneously at several remote locations."

The *Cornell Political Forum* is a black-and-white publication with photographs and

illustrations. It is produced four times a year, and in 1993 was recognized by Columbia Scholastic Press Association as one of the two best student publications in the United States.

"We and our readers are delighted with the quality," said Andrew Molnar, a Cornell senior who is editor-in-chief of the publication. "In some ways it's better than the old way."

He and other students who run the magazine envision a shift from an all-Cornell editorial board to an international board that collaborates over the Internet. "We want to attract more articles from other universities around the world," he said. "Distributed

production is just the first step toward achieving this goal."

The publication is produced at the desktop of a Macintosh computer using Pagemaker software. All photos and illustrations are scanned into the computer and included in the Pagemaker version. The file is converted to a Postscript format and shipped over the network to remote Docutech printers.

The Cornell editors work with associates at the other institutions to handle local distribution and business issues. "We could not have achieved this step without the terrific cooperation from all institutions involved," Molnar said.

New members named to ACSW

Nina Cummings and Judith Hart will serve as chair and associate chair, respectively, of the Advisory Committee on the Status of Women (ACSW) for 1994-95.

Cummings is sexuality/sexual assault educator at Gannett Health Center. Hart is manager of human resources for Cornell Information Technologies.

New members appointed by President Frank H.T. Rhodes and Associate Vice President for Human Relations Joycelyn Hart to three-year terms are Mary-Hale Andres, executive staff assistant in the Center for Research Animal Resources; Lynne Byall Benson, director of alumni relations for the College of Human Ecology; Jessica Brown, undergraduate student in psychology and women's studies; J. Ellen Gainor, assistant professor in the Department of Theatre Arts; Krista Green, undergraduate in the School of Industrial and Labor Relations; Susan Fredenburg, administrative assistant in Agricultural and Biological Engineering; Jenifer Levini, graduate student in Neurobiology and Behavior; Grace P. Sage, counselor/therapist at Gannett Health Center, and Janet Shortall, assistant director of Cornell United Religious Work.

ACSW provides leadership to the campus community on women's issues through advising, educating and advocating. The committee works closely with Hart's office and advises the Cornell administration on women's issues.

Reaching out to local schools



Peter Morenus/University Photography

Graduate student Lynda Pierini gives a sixth-grade class at Lansing Middle School a lecture on chemical reactions as part of a graduate student outreach project.

Theory Center helps confirm discovery of extrasolar planetary system

By Margaret Corbit

Alexander Wolszczan, professor of astronomy and astrophysics at Pennsylvania State University, has verified the existence of a planetary system outside the solar system, opening a new chapter in the search for other worlds.

Wolszczan, who did the work as a Cornell researcher in the National Astronomy and Ionosphere Center, used the resources of the Cornell Theory Center to analyze radio waves emitted by a millisecond pulsar, PSR B1257+12, 1,300 light years away from Earth. He discovered the pulsar in 1990 using the radio telescope at Arecibo, Puerto Rico, operated by Cornell for the National Science Foundation.

Wolszczan published his most recent findings in the April 22 issue of *Science*.

By analyzing the arrival times of the star's radio wave emissions, he found that this dense neutron star was rotating every 6.2 milliseconds (160 times per second). The data suggested the pulsar was wobbling as it traveled through the galaxy. Wolszczan proposed that the wobble was caused by two planets almost three times the mass of the Earth orbiting the star and published his explanation in 1992.

He proposed the orbits of the two planets were in cycles of 66.6 and 98.2 days. Although the addition of the behavior of these planets to his original model of the pulsar's movement explained most of the wobble, there was enough left to suggest the possibility of a third orbiting mass.

A pulsar is an extremely dense and small neutron star believed to have been born as a result of a supernova—an explosion of a star 10 or more times the mass of the sun. These stars emit beams of radio waves which arrive periodically, in pulses, on Earth.

Millisecond pulsars fall into a class of binary stars more than 1 billion years old that have died and been reborn, absorbing energy and momentum from their partners and thus spinning up to rotational rates

Because of this history, a group of Cornell theoretical astrophysicists set out to devise a test that would unambiguously confirm the presence of planets around the pulsar. The group consisted of graduate student Frederic Rasio (now at the Institute for Advanced Study in Princeton), and Cornell professors Phillip Nicholson, Stuart Shapiro and Saul Teukolsky. They realized that after every three orbits of the innermost planet, the outer planet would have made almost exactly two

orbits.

"Such precision is made possible by the unique sensitivity of the Arecibo radio telescope for pulsar observations," Shapiro said.

Said Teukolsky: "We are fascinated by this discovery, because the existence of planets around a pulsar was completely unanticipated. It is hard to see how planets could have survived the supernova explosion that formed the pulsar, so they must have formed after the birth of the pulsar."

Wolszczan is now preparing to explore the new world he has discovered. For example, although his initial prediction of a third planet orbiting with a one-year cycle was not confirmed, he detected instead two potential additions to his system—a third moon-mass body with an inner orbit as well as a possible fourth planet more distant from the star. He also plans to "examine the orbits of the planets to see what they can tell us about the evolutionary process they have undergone," Wolszczan said. He will use the new IBM SP supercomputers at the Theory Center for this work and expects this resource to "speed the process immensely."

Scientists currently are unable to detect planets the size of Earth that might be orbiting stars similar to the sun with optical techniques. However, Wolszczan has demonstrated the potential of such innovative approaches as pulse arrival time analysis, which is 10,000 times more powerful in detecting the details of the dynamics used to identify a planetary system, coupled with advances in high-performance computing.

Larry Bernard contributed to this report.

'It is rare in astronomy that one can make a precise prediction about the behavior of a far-off system and have it confirmed so spectacularly.'

— Stuart Shapiro

hundreds of times more rapid than other pulsars. The planets that Wolszczan discovered are likely to be orbiting their star in the same plane and to have formed—in much the same way as the planets of our solar system—from a revolving disk of debris from the companion star.

There had been several previous claims of planetary systems outside our solar system, but all of them proved to be false. Just a year before Wolszczan's discovery, another group of radio astronomers announced the discovery of a planet around a pulsar. However, they had misinterpreted their data and retracted their announcement.

orbits, and the planets would be back in the same relative positions. This effect would enhance the gravitational interaction that the planets would have on each other.

Days after learning of the discovery, their calculations showed that the effect would be measurable by tracking the pulsar for a few years. Wolszczan tested to see if these predicted changes would be reflected in changes in the pulse arrival time data.

In January 1994, during a meeting entitled "Millisecond Pulsars: the Decade of Surprise" at the Aspen Center for Physics, Wolszczan presented results that provided an excellent fit to the theoretical perturba-

Extension Director Noble is retiring after 40 years

By Susan Lang

After almost 40 years with Cornell, and 16 years as director of Cooperative Extension, Lucinda "Cindy" Noble will retire this summer. Noble was one of the first women in the country to direct a cooperative extension system.

As director of the Cornell Cooperative Extension system, Noble has been administering the off-campus informal education programs of Cornell's statutory colleges since 1978 through the network of 57 county extension association offices and extension offices in the five boroughs of New York City. A professor of human service studies in the College of Human Ecology and associate dean for the colleges of Human Ecology and Agriculture and Life Sciences, Noble decided it was time to step aside.

"Life is like a relay race: You pick up the baton and run with it, but there comes a time to pass the baton to someone else with a fresh vision," she said.

After a two-month vacation, including time on the Isle of Shoals in Cornell's Adult University and at Stratford, Conn., Noble plans to return to Ithaca and volunteer in Cornell's broadened universitywide outreach efforts. "I also look forward to practicing my profession, something I haven't been able to do for years as an administrator, and get involved in adult education opportunities," she said.

Noble has received national recognition for her leadership of Cornell Cooperative Extension. She was honored in 1993 by the U.S. Department of Agriculture with its Superior Service Award and cited "for visionary leadership that helped to keep extension programs in New York state vital. . ."

David Call, dean of the College of Agriculture and Life Sciences, concurs: "With her leadership, the real needs of people in the state have been integrated in a meaningful manner, and programs to address those needs have been implemented. This effort required new paradigms which her leadership brought to fruition."

Overseeing an \$85 million budget and a statewide staff of 1,600, including those in county-based extension associations, Noble has helped broaden extension beyond food and agriculture, animal medicine and human development.

In recent years, extension has taken on

'Cindy has done a masterful job of blending the resources and talents from all parts of this system - a unique combination of federal, state, university and local partners - for maximum effectiveness.'

- David Call



Lucinda Noble

public issues that are critical to society and the human condition, such as AIDS education, child abuse and family violence prevention, water quality preservation, health concerns, consumer education and youth development.

"Cindy has given rare and special leadership to Cornell Cooperative Extension - rare in the sensitivity to human needs, and in her ability to bridge the programs in the College of Agriculture and Life Sciences and Human Ecology," said Francille Firebaugh, dean of the College of Human Ecology.

Under Noble's direction, extension has tailored metropolitan programming to meet the special economic, environmental and neighborhood concerns of urban residents. It also has taken a high-tech leap into the next century by networking via satellite and offering long-distance educational programs through 47 extension association downlink sites throughout the state.

Noble first connected with extension as a youth participating in 4-H. She grew up on a large dairy and cash crop farm in Linwood (Livingston County), N.Y., that has been in her family for more than 180 years. One of five children, Noble remembers "sorting cabbage plants, topping beets, picking up potatoes and watching kids."

She recalls her 4-H experience as being "general fun things," that she now knows were designed to provide positive experiences for youths to promote self-esteem.

"When I was 8, I began to become mindful of the importance of food and agriculture to the world's stability," said Noble, recalling

the German prisoners of war who worked on her family farm during World War II. "We would serve them a hot meal, and I began to realize how the U.S. was viewed for its importance in food production."

Upon graduating from the College of Home Economics (now the College of Human Ecology) at Cornell in 1954, with a concentration in textiles and apparel, Noble veered away from classroom teaching but was attracted to adult learning out of the classroom, and so she became an extension home economist in Genesee County.

"Extension was a good fit for me - I had one foot in academia and the other in the real world where educational experiences really could make a difference," recalled Noble.

She returned to school to get a master's degree in program development and administration at the University of Wisconsin and then worked at Cornell as assistant state

Symposium to honor Noble set for June 2

To honor Cindy Noble, Cornell Cooperative Extension is sponsoring a public symposium on Thursday, June 2, at 3 p.m. in the Alumni Auditorium of Kennedy Hall.

Eugene Allen, vice president of the Institute of Agriculture, Forestry and Home Economics at the University of Minnesota, will speak on "Outreach in the University for the 21st Century."

As outlined in the Strategic Planning Task Force 2 report, Cornell plans to build on its land-grant mission and the success of

leader of home demonstration agents. After earning a Ph.D. in human development and adult education at the University of North Carolina in 1969, Noble returned once again to Cornell. She joined the Department of Human Service Studies and became director of extension and associate dean in Human Ecology and Agriculture and Life Sciences in 1978.

Noble feels her greatest challenge - and perhaps her greatest contribution - to extension has been to integrate the separate facets of extension into a system. "When I came aboard, extension was seen as faculty in 17 different departments in two colleges and agents in 57 county offices. My goal was to get people on and off campus to envision a holistic system that could better carry out the land-grant philosophy of extending research-based knowledge to the people."

Noble's accomplishments have earned her the 1994 Distinguished Service Citation of the New York State Agricultural Society, the 1985 New York State College of Human Ecology Helen Bull Vandervort Alumni Association Alumni Achievement Award and the 1984 Governor's Empire State Women of the Year Award in the Field of Agriculture, among other honors.

Noble, who becomes professor emeritus of human service studies, leaves the university with a philosophical musing gleaned from many years in the system: "We are blessed to be part of this living, dynamic university whose central purpose of being is the dissemination of knowledge. Being here opens many windows and makes you a wiser human being. We need to remember that to those to whom much has been given, much is expected."

the statutory colleges in serving the needs of New York state by strengthening its outreach efforts and broadening its commitment to disseminate and apply university-based research to the benefit of society. "Dr. Allen has been invited to give us a perspective on outreach from another major university," said Norman Scott, Cornell vice president of research and advanced studies at Cornell and the chair of Task Force 2.

The Cornell community is invited to attend the symposium.

ILR professor emeritus reflects on being a 'participant observer'

By Kristin Costello

In 1936, when William Foote Whyte began working in the slum district of the North End of Boston, he was 12 years away from taking a position at Cornell's School of Industrial and Labor Relations and on the brink of beginning a remarkable career in the social sciences.

That first research project studying the street corner gangs in Boston's North End on a junior fellowship from Harvard was to blossom into a career that can best be described by the title of Whyte's forthcoming autobiography published this month by ILR Press - *Participant Observer*.

A sociologist and social anthropologist, Whyte spearheaded a form of research in the social sciences that he calls "participatory action research" and describes as "active consultation with the people you are studying." It's about connecting action programs with research.

Sitting in his home in the village of Lansing, Whyte, professor emeritus of the ILR School who will turn 80 in June, recalls in captivating detail his years of research. His subjects - some from research conducted almost 60 years ago - seem to hold a fondness in his memory that pays honest tribute to the element of humanism that characterized his scientific research.

"When I began the project in Boston, the goal of my research was to understand the social structure and patterns in relation to the economic problems of a depressed urban area," Whyte explained. But as he be-

gan working with gang leader Ernest Pecci, who served as Whyte's key contact and informant, Whyte found himself discussing his work and ideas with Pecci.

"I worked with the director of the settlement house to get Pecci appointed as one of three leaders of storefront recreation centers established for the corner boys; the other two centers were run by trained social work-

and very poor living conditions." Together, Whyte and Orlandella organized a march on City Hall that got the attention of the media and politicians and produced immediate results for the dilapidated neighborhood.

From that experience, Whyte wrote his very successful book *Street Corner Society*, which later became his doctoral dissertation at the University of Chicago and the first of



'I think there is more recognition today that applied research can lead to the development of major advances in theory.'

- William Whyte

ers," Whyte said. As Whyte and Pecci predicted, Pecci's center ran smoothly and was able to reach out to the corner boys; the centers run by the social workers were shut down within two weeks.

At Pecci's suggestion, Whyte then took on an assistant, Angelo Ralph Orlandella. "I was able to get \$100 from Harvard for this high school drop-out to serve as my research assistant," Whyte recalls. "I had long discussions with Ralph, as he was known, about the problems of the North End; the fact that they had one stony dirt playground

17 books he would publish documenting his work in such diverse workplaces and communities as the oil fields of Oklahoma, the dining rooms at Stouffers, the rural villages of Peru and the Mondragón cooperative complex in Spain.

Having arranged to teach half time at the ILR School to pursue his research, Whyte, nonetheless, made an indelible impact on Cornell's campus, playing an integral role in establishing several important programs at Cornell, among them the Latin American Studies Program. With two colleagues,

Whyte founded ILR's Program for Employment and Workplace Systems (PEWS), where he is currently research director.

Reflecting on the ILR School's history, Whyte recalls that the school was readily accepted by organized labor in 1948, but management had still been resistant to the idea of industrial and labor relations. By 1979, when Whyte retired, it had gained ground in its reception by management.

"I think there is also more recognition today that applied research can lead to the development of major advances in theory," Whyte said.

Reflecting on the tenuous role of being both participant and observer at the research site, Whyte said he sometimes "felt conflicting pressure in terms of the struggles between union and management." Regardless, he listened to what workers had to tell him and gave their views weight in his recommendations to managers and decision-makers.

What inspired Whyte to take such an active role as a researcher seems to be answered in the introduction to *Participant Observer*, where he recognizes his "commitment to social exploration" and his need to bring some resolution to the "tension between science and humanism" as common threads among his life work.

His autobiography - like his recollections - is interesting as a chronicle not only of a great social scientist but an individual life - a teacher, a husband, a father, a survivor of polio and, more recently, a stroke, and, of course, in all of those roles, a "participant observer."

Phemister to leave as Vet School dean next year

By Roger Segelken

Robert D. Phemister, who in nine years led the College of Veterinary Medicine through a revamping of the academic curriculum, severe cutbacks in state support, a major construction program and a successful capital campaign, announced he will leave the deanship by the end of June 1995.

Following a year's administrative leave "for retooling," Phemister said, he will resume teaching at the college, where he holds the rank of professor of pathology. Phemister, noting that he was veterinary dean at Colorado State University for eight years before assuming the Cornell post in 1985, told his faculty, staff and students: "Not only is this long enough from a personal standpoint, but I am convinced that this is a good time for new leadership in the college."

A search committee for the next dean will be formed by Cornell President Frank H.T. Rhodes and Provost Malden C. Nesheim, in consultation with the Executive Committee of the College of Veterinary Medicine. "The coming year promises to be

a budget of \$50 million – including about \$20 million a year in biomedical research, a 40-percent increase since 1985. Research support from federal sources increased 81 percent during that time.

Apart from a strengthened research base, Phemister considers the planning and implementation of curriculum and facilities-construction programs to be major accomplishments during his tenure. However, he readily shares credit, citing "the willingness of the faculty to engage in making fundamental improvements. I have had the good fortune to be dean," he said, "when quite a number of opportunities presented themselves."

The new academic program began for first-year veterinary students in the fall of 1993, making Cornell the first veterinary college in the United States to implement a problem-based curriculum, which is offered only in a few medical schools. Planned and designed by the college faculty since 1987, the new curriculum teaches basic biomedical subjects in the context of clinical problems – with more small-group learning experiences in laboratories and tutorials, in place of large lecture sessions – and seeks to engage students more actively in learning.

"All veterinary schools face the challenge of preparing students at a time when the scientific foundations of medicine – and the demands on graduates – are changing rapidly," said the dean of the college, which earlier this year celebrated the centennial of its 1894 founding. "No longer can we anticipate and 'cover' everything that graduates will ever need. The new program emphasizes developing the skills and confidence that graduates will need as self-directed learners for the rest of their professional careers."

Full implementation of the new curriculum might not have been possible, Phemister noted, without the specialized learning facilities in the college's expansion project. With 183,000 net square feet of research laboratories, modern teaching spaces and clinics, the \$82-million expansion is the largest single construction project ever at a New York state-supported college. The first section, the Veterinary Education Center, opened in September, and, with construction ahead of schedule, the entire facility is expected to be ready for occupancy in mid-1995.

"While I am disappointed that the state fell on hard times and found it necessary to reduce support to the college in fiscal years 1988 to 1992, I am grateful to the state for supporting construction of the new facilities," Phemister said. "We will soon have the best veterinary facilities in the world."

The new facility also will make room for more graduate students at the college,



Dean Phemister talks with first-year Vet School students Laura Wade and Eric Linnetz earlier this year in a lab at the Vet Research Tower.

Sharron Bennett/University Photography

'Bob Phemister has guided the Veterinary College through one of the most challenging eras in its distinguished history. The university, the college and the veterinary profession owe him a debt of gratitude.'

— President Rhodes

a particularly exciting one on several fronts," Phemister said, "and I intend to remain fully engaged until a new dean is in place."

President Rhodes said, "Bob Phemister has guided the Veterinary College through one of the most challenging eras in its distinguished history. The university, the college and the veterinary profession owe him a debt of gratitude. With the inception of the new teaching program and the anticipated completion of the new facilities, he leaves a rich legacy for future generations. His vision has enabled the college to continue its leadership at the forefront of veterinary education."

Phemister returned to Cornell 25 years after earning the D.V.M. degree here in 1960. The College of Veterinary Medicine now enrolls 320 D.V.M. students and 115 graduate students with a faculty of 139 and

Phemister said, pointing to a future focus of attention. "Our research program is already the largest at any veterinary college in the country, and it can attract additional graduate students, if they have the space and stipend support."

Recruiting and graduating more minority students should be another goal for the college, Phemister said. The Class of '94 minority enrollment – 14 out of 81 D.V.M. graduates – is laudatory, but something of an anomaly, as subsequent classes have fewer minority students, he said.

"Just as veterinary medicine is benefiting from a better balance of genders, we will be a stronger profession with a more representative proportion of minorities," Phemister said, "but we still have a long way to go."

Phemister also credited the college's alumni for their "tremendous generosity and loyalty" as a "very important element in our success. They have contributed their time, energy and support in so many ways." The college's capital campaign now is about

80 percent of the way to a \$30 million endowment goal, the dean reported.

As one measure of success, Phemister pointed with both pride and skepticism to the latest *U.S. News & World Report* magazine survey of "America's Best Graduate Schools," which lists the Cornell College of Veterinary Medicine as number one. The survey polls deans and other education leaders, and is primarily a "popularity contest," Phemister said. "While I have some quarrel with the methodology," he said, "I agree with the results."

Phemister acknowledged that during much of his nine years at the college, he has concentrated on education reform, attempting to redress an imbalance in which research tended to take precedence.

The dean soon will have a chance to learn firsthand how the new way of teaching veterinary medicine is working. Beginning in September, he will serve as a tutor in one of the college's new foundation courses, Function and Dysfunction.

Summers to get unusual honor for American scholar – *Festschrift*

By Carole Stone

Robert S. Summers will become the first professor at the Cornell Law School – in recent memory, at least – to be honored with a *Festschrift*, a book of essays by academic colleagues presented on the occasion of a milestone birthday.

Summers, who is the William G. McRoberts Research Professor in the Administration of the Law, turned 60 Sept. 19. He was presented with a preliminary *Festschrift* in October at the University of Munster in Germany, and a final version of the book will be given to him tonight at a formal dinner at the Statler Hotel.

"I'm quite astonished. There are a lot of people who have done as much or more than I have," Summers said of the honor, which is not uncommon in Europe but is rarely given to an American scholar.

An expert in contracts, commercial law and legal philosophy, Summers is co-author, with James J. White, of the multi-volume *Uniform Commercial Code*, and is the author or editor of a dozen other books.

"He is one of the pre-eminent commercial law scholars in the United States, and the

world, and among the most distinguished and frequent contributors to the general area of legal theory and jurisprudence," said Russell K. Osgood, dean of Cornell Law School.

Among Summers' books are several on jurisprudence, including *Instrumentalism and*

sian, Japanese, Italian and Hungarian.

For 20 years Summers has attended biennial congresses of the International Association of Social and Legal Philosophy, and from 1988 to 1990 he was president of its American section.



Summers

'He is one of the pre-eminent commercial law scholars in the United States, and the world, and among the most distinguished and frequent contributors to the general area of legal theory and jurisprudence.'

— Russell Osgood

American Legal Theory, which defines a common thread in several American legal theories, which Summers calls "pragmatic instrumentalism." This book has been translated into German and Dutch, and essays summarizing its thesis have been published in Rus-

"Robert Summers is at once a philosopher among lawyers, a lawyer among philosophers, his work bringing the insights of the one group to bear on the problems of the other, enriching and educating both," Richard Fentiman of Cambridge University wrote

in introducing his contribution to the *Festschrift*, which has the imposing title, *Prescriptive Formality and Normative Rationality in Modern Legal Systems*.

The volume is comprised of 45 essays by scholars from 14 countries, including a few by Cornell Law School professors and professors at other schools who were students of Summers. The publisher is Duncker & Humblot of Berlin, which dates back to the 18th century and has a large offering in law and other humanistic subjects.

Professor Werner Krawietz of the University of Munster, the volume's principal editor, will present Summers with his *Festschrift* in the company of Osgood, Provost Malden C. Nesheim and other invited guests.

The *Festschrift* includes complimentary remarks about Summers, such as the tribute by Dan T. Coenen, a former student who is now associate professor of law at the University of Georgia Law School. Coenen wrote that after graduation he worked for one of the country's leading federal circuit court judges, for a genuinely great Supreme Court justice, and for practicing lawyers of enormous talent and depth, but none made more of a mark on his development as a lawyer than Summers.

Alums help N.Y. state legislators make policy

By Ericka Taylor

When Barbara Comminos '87; Robin Rudowitz '91, '92 M.P.A.; and Louie Tobias '85 left Cornell, few would have predicted that they would ultimately work in similar capacities.

Comminos entered Cornell pre-med and finished with a communications degree; Rudowitz earned her undergraduate degree in policy analysis before obtaining her master's of public administration; Tobias graduated from the College of Engineering with a degree in mechanical engineering. Now each of them is a legislative aide for the state of New York.

After graduating, Comminos returned home to Binghamton and worked as a television reporter for an ABC affiliate. It was there that she first became familiar with key issues in state politics. Working with the media helped her build relationships with government officials, and she eventually left her news position for a state post.

Comminos has been with the assembly for the past three-and-a-half years and has held her current position as a legislative analyst for about a year. She currently monitors legislation for the assembly majority leader and issues related to seven standing committees, including labor, consumer affairs, governmental employees and cities.

Although she was not planning to enter public service, Comminos did participate in Cornell-in-Washington — a semesterlong program that draws its share of future lawmakers. She, however, interned in a broadcasting job with CNN.

During the semesters that Comminos was on the Ithaca campus, she was a member of Kappa Delta sorority and also worked as a College of Agriculture and Life Sciences ambassador to potential students. Interestingly, there is a part of assembly life that's reminiscent of another aspect of her days at Cornell, Comminos says. When the session closes, everyone ends up "staying up all night to get work done," much in the same way that Cornellians pull all-nighters when studying, she recalls.

Comminos says that students should have as many internships as possible, because "they help in building contacts and gaining experience. Often the best jobs available aren't publicly advertised," she added, suggesting that having had a foot in the door through an internship can't hurt.

A final word of advice from Comminos took the form of deconstructing a popular myth. She suggested that selecting a particular major need not limit future career options. Although a communications major, she had no difficulty



Peter Morenus/University Photography
Graduates, from left, Louie Tobias '85, Barbara Comminos '87 and Robin Rudowitz '91 pause in front of the state capitol in Albany. All three serve as legislative aides.

making the transition to government, she said. "People can major in one area and end up working in a completely different one," she said. "What's valuable is the education."

Rudowitz first began work with the state government as part of a graduate school program at Cornell. She obtained a postgraduate fellowship and became a full-time staff member last July. Now a member of the speaker's staff, she works as a budget analyst for the Ways and Means Committee.

Like Comminos, she participated in the Cornell-in-Washington program and helped with research in the Senate. As a College of Human Ecology ambassador, she was involved in student recruitment and providing potential students with information about the Cornell experience. She also interacted with those on the opposite end of the spectrum — alumni — as a Cornell ambassador.

She urged students on campus today to "take advantage of the resources available at Cornell. Look up alumni in your field; go to their offices." She also noted that many

Cornellians probably don't realize that Cornell has a highly regarded government affairs office in Albany. She suggested that would be a good place for students interested in the government to contact.

Tobias may have graduated from Cornell, but he is still a student. While concurrently enrolled in a seven-year Ph.D. program in atmospheric physics at the State University of New York in Albany, Tobias uses his scientific background in his legislative job.

Previously, Tobias said, officials used a social science approach in addressing certain legislation, but they've come to recognize that a "little technical expertise" can help.

Possibly the most fulfilling aspect of working as an aide, Tobias said, is "actually creating policy and watching it develop from the beginning. You get to write something that becomes law and will effect how people live for years." Tobias speaks from experience; he was instrumental in the creation of the clean air act.

Student Assembly President Schwartz gives first annual address

Following are excerpts from the first annual State of the Student Assembly Address, given May 5 by Bryan Schwartz, Student Assembly president.

On this exciting occasion, I am reminded of an idea which was often championed by President Theodore Roosevelt. Roosevelt said, "Far better it is to dare mighty things, to win glorious triumphs, even though checked by failure, than to take rank with those poor spirits who neither enjoy much nor suffer much, because they live in the gray twilight that knows not victory nor defeat."

As I discuss the 1993-1994 Student Assembly's accomplishments and frustrations, and the challenges that next year's SA will face, please remember, "Far better it is to dare mighty things. . . ."

In 1993-1994, as in the past several years I have spent with the SA, and as will no doubt be the case in 1994-1995, daring to become involved with the SA has entailed its share of frustrations. But at least we have dared mighty things, and often, we have succeeded. Anyone who has been involved with Cornell's governance system understands that effecting any positive change at this diverse, sprawling institution is indeed a mighty thing.

I will begin by detailing some of our victories in 1993-1994 in reacting to undesirable changes made by the university, in elections, communications, committees and funding of student organizations, and in venturing into many new areas of university operations for the first time.

I will conclude by noting several general issues which I believe the 1994-1995 SA must confront.

Though students can often be heard complaining about a range of problems at Cornell, SA members in 1993-1994 distinguished themselves by seizing upon these subjects of discontent and working cooperatively with administrators to find solutions. In

particular, when students returned at the end of the summer of 1993, they found the Hungry Bear Diner in RPCC closed and cuts in library hours across campus.

SA member Kwame Nyanin moved quickly when he learned that students were circulating a petition to protest the closing of the Hungry Bear, turning students' anger into the productive Resolution to Reopen the Hungry Bear. His legislation engendered a model discussion between students and Margaret Lacey and Pat Bando, from

and resolutions regarding a 24-hour study facility, all of which indicated that students needed increased study hours. . . . Agrawal's 1994 Resolution on a 24-Hour Study Facility provoked a productive discussion with administrators, namely Provost Malden Nesheim and Catherine Murray-Rust, from the Library Administration. In the end, the centrality of study space to the university's educational mission was apparent and, as a result of our discussions, weekend hours at Uris Library were restored. Study hours

demographic programs and campus affairs will be responsible for formulating a coherent policy on multicultural change and living-learning units at Cornell, and the provost has stated that the SA will be integrally involved.

The Program Thrust concept, which Michelle Cram and I have worked on with several other students, and which a majority of students supported on an elections referendum, shows great promise as a potential way of addressing major national and local issues in a universitywide context. Several administrators, notably Dean of Students John Ford and Vice President for University Relations Henrik Dullea, have expressed interest in this project, and I hope our progress on the Program Thrust will not be lost in this transition.

One other area in which the SA's and students' role is still being defined is with regard to the selection of replacements for top university administrators.

This year, many of our top administrators have announced their retirement or resignation. Thus far I have had the opportunity several times, regarding the processes to replace vice president for academic programs and campus affairs and the athletic director, to appoint a panel of students to interview candidates for the opening positions.

It is critical that we undergraduates also be similarly involved in the selection of a new vice president for information technologies and, most importantly, a new university president. . . .

Because Cornell University is in the business of educating its students and providing for them a rich educational and life experience, people applying for top administrative jobs at Cornell should be made to understand that they will be responsible to students. For any administrator to be effective, especially the president, he or she must be able to work well with students. . . .

'In conclusion, the twilight of our term is not the 'gray twilight that knows not victory or defeat' which Teddy Roosevelt deplored, because we have dared mighty things and we have known victory and, sometimes, defeat.'

— Bryan Schwartz

the Department of Campus Life, which resulted in a compromise.

This solution provided for the availability of food services previously housed at the Hungry Bear in a convenient alternative location, the Bear Necessities Market. Furthermore, the Hungry Bear space, which was to be converted to office space, was restored to students.

The precedent of the Hungry Bear reminded administrators that students must be involved whenever significant changes are being made, especially in areas of student life. The responsiveness of the administration to the SA's actions demonstrated that students should not be afraid to question administrators' decisions and work directly with administrators, using the SA as a vehicle to make changes.

In the same vein, SA member Prashant Agrawal challenged the reductions in library hours, citing past SA referenda, polls

were extended significantly every night at Noyes, RPCC and the Straight. These late-night hours were a trial by which the university could examine the real demand for a 24-hour facility. Two students were appointed to the Learning Environment Task Force under the provost's direction to contribute to the university's long-range planning in this area. . . .

Of course, despite all of our progress, there are many issues which remain unresolved, many mighty things which await the new SA.

One of these is the way in which the SA will deal with macro questions, such as intercultural relations and living-learning units, rape on campus and the university's treatment of the environment.

Many new SA members wish to have the SA sponsor open public forums to add to the discourse on these matters. In particular, the university's new vice president for aca-

Cornell apparel students design Sciencenter exhibits

By Susan Lang

You slip on a pair of adjustable denim shorts and take a run down a slide; try another pair made of nylon and compare the friction and fun. Or, using dolls on bungee cords to simulate weightlessness, explore how astronauts have tried coping with zero gravity by comparing suction cups, velcro, grids and magnets on shoes to secure their feet to the floor.

These are just two of the exhibits Cornell students in an apparel design course designed for the Sciencenter, a hands-on science museum in Ithaca, this past semester.

The freshman-level apparel design course, Clothing: The Portable Environment (Textiles and Apparel 146), is taught by Susan Watkins, professor of textiles and apparel in the College of Human Ecology.

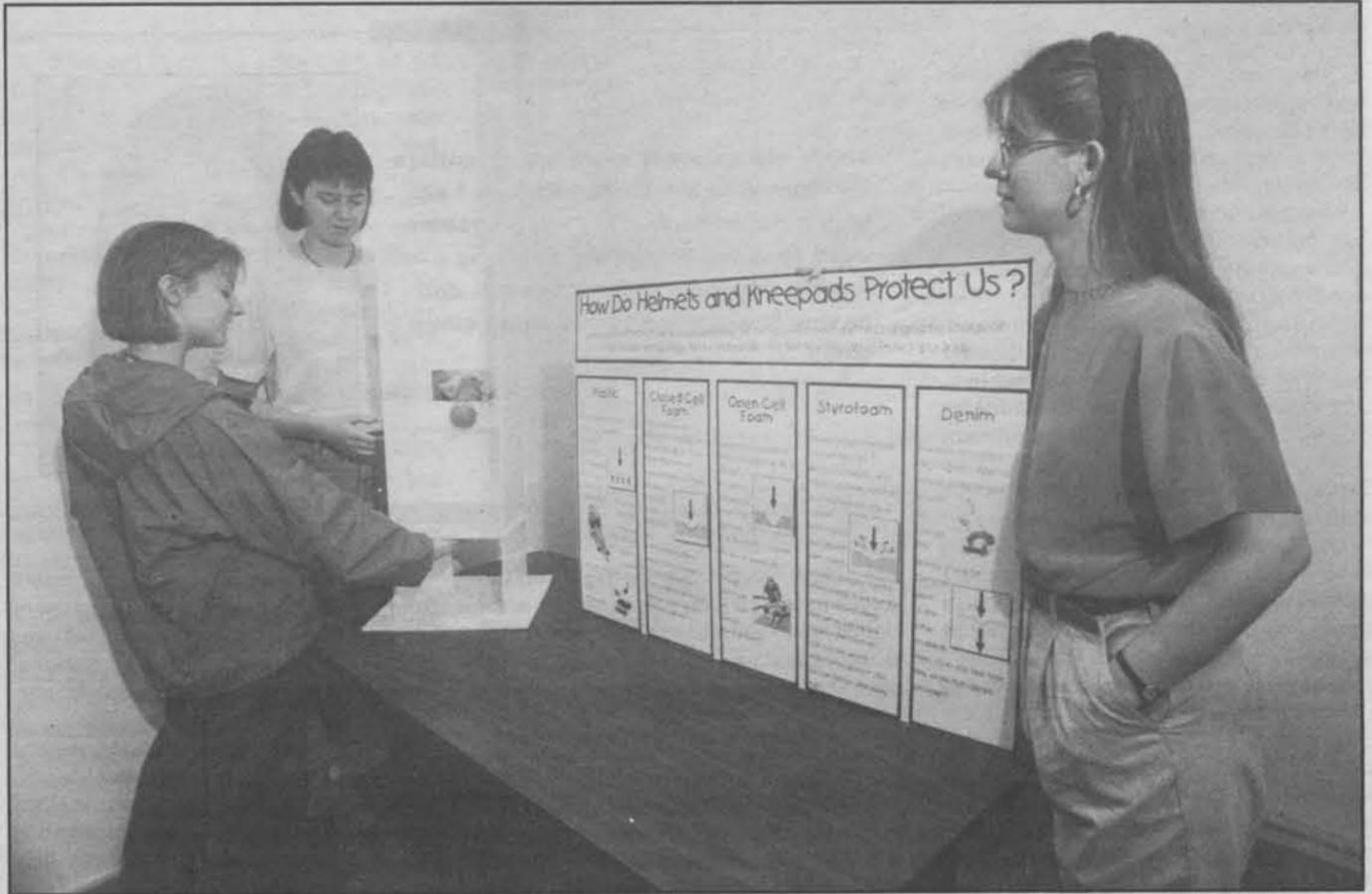
The students' assignment: in groups of four, develop a hands-on, interactive, inexpensive, safe, handicapped-accessible, durable, easy-to-build and easy-to-maintain, educational and interesting exhibit using clothing that teaches a scientific concept to children and adults.

"I wanted the students to experience the design process — to see what it takes to pull a project together that meets a set of criteria and see how the process continually must be modified and improved upon — while trying to teach a scientific principle in an inviting way," Watkins said.

To improve the design process, the class met three times with the Sciencenter. First, Director Charles Trautmann explained the goals and criteria for scientific exhibits; safety, space, cost and other constraints; what an interactive exhibit really means; how to simplify designs down to only one scientific concept; and how to prevent misuse of the exhibit.

One group of students, for example, had chosen impact protection as their concept and envisioned a display in which visitors would use a hammer to pound on sports equipment, such as knee pads or bike helmets. Trautmann warned that children, however, might use the hammer to pound each other, and the exhibit would need to be modified to prevent that.

Next, the students met with the chair of the exhibit committee, Bob Orrange, and exhibit builder Bruce Herring and carpenter Bill Ashdown to discuss maintenance. They pointed out that the shorts for the slide exhibit, for example, would wear out quickly, and asked how the students thought they should be replaced. (Their solution: buy bolts of fabric and have a stock of shorts



Peter Morenus/University Photography

From left: Shannon Ratay, Erin Iverson and Carolyn Tschanz, students in Professor Susan Watkins' freshman-level textiles course, set up a display on protective clothing at the Sciencenter in Ithaca.

sewn by volunteers; then compare the degradation of the fabrics on a histogram.)

And finally, the students presented their designs to the exhibit committee, which evaluated each one using the 21 Sciencenter criteria that had been given them.

though, gave us an incentive and made us really focus on the projects."

Murray's group designed a station with several portholes to simulate night driving. Visitors look over a miniature steering wheel into a darkened room with light dimmers

from Cornell gave us an opportunity to access some of the scientific expertise and creativity of students and apply them to the Sciencenter while the students satisfied the needs of their course."

Said Sigrid Benedetti, 20, a textiles and apparel sophomore from New York City, who worked on the friction and slide project: "It was not a dry exercise, but one that was fun, tangible and accessible.

"The Sciencenter coming to hear our ideas really helped to point out where the projects could use improvements, as well as the best aspects of each. The Sciencenter representatives were full of ideas which often helped us focus our projects even better. They seemed to want to make all the projects work out, even if there was no way they could all be used. It was really encouraging," she said.

Next semester, the students may choose to carry their projects to fruition through independent studies, by building prototypes and actual exhibits for the Sciencenter, Watkins said.

'This was the best class I've ever taken, and the Sciencenter assignment was really valuable because it brought us as close as possible to a real-life situation.'

— Sigrid Benedetti

"This was my first course with a link to the community, and I think if this were just a project without the Sciencenter, we would have merely handed in a paper and walked away from it," said Jennifer Murray, 22, a senior textiles and apparel major from Fairport, N.Y.

"Doing an exhibit for the Sciencenter,

where dolls are dressed in various materials. Visitors compare how visible the different dolls are in the dark and in the "car headlights." (Fluorescent orange turned out to be a terrible choice for night visibility.)

"The students were very clever in their designs and met our criteria very well," Trautmann said. "Working with a group

CU scientists manipulate milk protein to cook up better yogurt

By William Holder

By manipulating the molecular structure of a milk protein, Cornell scientists have demonstrated the feasibility of creating new dairy ingredients and products with enhanced economic value.

The researchers have borrowed genetic engineering techniques now used by the pharmaceutical industry, in which properties of a molecule are predictably changed based on a knowledge of its three-dimensional structure.

To illustrate the technique's potential, they have slightly altered the structure of a milk protein normally found in whey, beta-lactoglobulin, so that it almost eliminates the annoying tendency of yogurt to form pools of liquid during storage, said Carl Batt, associate professor of food science.

"Improvements to beta-lactoglobulin that enhance its performance during food processing will have a profound effect on its economic value," he said.

"We've shown that genes can be altered to produce variants of beta-lactoglobulin. We have every reason to believe that these genes eventually can be expressed in cows, which would open new markets for the use of whey proteins."

This approach, said Batt, will increase the value of milk-derived ingredients and

enhance the economic balance of dairy farming. "We're trying to increase the ability of protein in milk to form gels, which in turn adds economic value," he added.

Beta-lactoglobulin is found in the milk of many but not all ruminants. An interior cavity in the protein binds a vitamin, retinol, and scientists believe beta-lactoglobulin's physiological function may be, in part, to deliver retinol to the developing nursing

protein. Knowledge of the precise three-dimensional arrangement of atoms in the protein gained through the X-ray structure enabled the Cornell researchers to select likely targets for modifications. They used a technique known as site-directed mutagenesis to substitute, in a highly precise fashion, one naturally occurring amino acid for another. The newly substituted amino acid, which is present elsewhere in the protein,

'We're trying to increase the ability of protein in milk to form gels, which in turn adds economic value.'

— Carl Batt

animal. Humans do not make this substance, although placental protein 14 is very similar. This latter protein is not found in human milk, but is present in the placenta during the early stages of pregnancy.

Batt and his colleagues are among the first to use a rational design approach to modifying the properties of a milk protein. The work began in 1986 when their collaborator, Lindsay Sawyer at the University of Edinburgh, determined the X-ray crystallographic structure of beta-lactoglobulin — still the only crystal structure of a milk

enhances the gel-forming properties of the protein when inserted at the new position.

The researchers published their findings in the April issue of the *Journal of Biochemistry, Biotechnology and Biochemistry* and the February issue of *Protein Engineering*. Co-authors are graduate students Sam Pin Lee and Yunje Cho; John Brady, associate professor of food science at Cornell; Wei Gu, a postdoctoral associate; and Steve Watkins, an undergraduate student.

Yogurt made with small amounts (0.075 percent) of modified beta-lactoglobulin

forms a gel six to 10 times as easily as ordinary yogurt, Batt said. The process also cuts the processing temperature from 85 degrees Celsius to 70 degrees or less, eliminates the need to add starch to obtain a better gel and reduces the time needed for curd formation. All these factors could lower the cost of yogurt manufacturing. In addition, the modified protein cut down on separation of whey that pools on top of yogurt by as much as 83 percent, he said.

The researchers also are exploring using modified beta-lactoglobulins as transport agents for pharmaceuticals. Site-directed modifications to the interior cavity may permit the protein to carry drugs such as L-dopa through the stomach, Batt said. After passage through the stomach, these drug-carriers would then deliver their contents and effectively increase the efficacy of the therapeutic drug.

The principal remaining hurdle is producing modified proteins economically. The researchers have isolated genetic signals to direct the expression of beta-lactoglobulin and have constructed several minigenes that produce beta-lactoglobulins.

"These minigenes, coupled with technology to generate transgenic cattle, will yield the next generation of dairy cows capable of producing whey proteins with improved functional properties," Batt said.

Senior wins Hotel School's \$15,000 Drown Prize

By Kristin Costello

When senior Sole Mingo-Ordonez was writing her application for the School of Hotel of Administration's annual Drown Prize, she quoted Conrad Hilton's phrase, "world travel fosters world peace."

It is a phrase she lives by and a philosophy that points to why she was chosen this year's winner of the Joseph Drown Foundation Prize, worth \$15,000.

Mingo-Ordonez's independent spirit, self-reliance and appreciation of other cultures shine through her accomplishments at Cornell as well as her ambitions beyond college. Hotel School Professor Chekitan Dev wrote on her behalf, "Sole represents the future leadership of the hospitality industry."

A six-member committee selected Mingo-Ordonez as the Drown Prize-winner from her senior class. Five other Hotel School graduating students won \$1,000 each as Drown Prize finalists.

The Drown Prize was established and endowed at Cornell in 1985 in honor of the late Joseph W. Drown, who owned and operated hotels in Hollywood, San Diego, Las Vegas and Los Angeles. The prize is intended "to enhance not only the knowledge of young people but their independence and self-reliance so that they in turn may contribute to the free society to which Mr. Drown credited his own success."

One of the questions posed to applicants was how they planned to spend the prize money. For Mingo-Ordonez, the answer

'There are so many more opportunities for women in the United States. I am very independent, and I have become used to doing things my own way - to having my goals and my dreams and having the chance to see them come true.'

- Sole Mingo-Ordonez



was simple: to pay for the legal fees involved in applying for a work permit in the United States and, she said enthusiastically, to cover travel expenses in her quest to learn more about the global hospitality industry.

A 23-year-old native of Argentina, Mingo-Ordonez recognizes the value of discovering and understanding other cultures. Raised in a traditional Argentinian family of four girls, she attended all-girl schools through high school and was determined not to settle for a clerical or hostess job. Those are the only positions, she explained, typically open to young women in Latin America regardless of their education. "Coming to Cornell," she says, "opened up a wealth of opportunities for me."

Mingo-Ordonez graduates this month from the Hotel School, with a long list of honors and accomplishments. She was invited to join the Golden Key National Honor Society and the Ye Hosts Honorary Society.

During her four years here, she assisted in planning two Hotel Ezra Cornell weekends. She was a student adviser at the Hotel School and a representative for Cornell at two international student conferences held in Canada and the Netherlands. She is fluent in Spanish and English and speaks conversational French and Italian.

As a sophomore and vice president of the Cornell International Hotelier Association, she organized the first international student

conference at the Hotel School. "I had a \$10,000 budget to use for a four-day weekend," Mingo-Ordonez said. The conference was "a huge success," bringing together 120 students from the United States and Europe, and a second conference is being planned for 1995.

For Mingo-Ordonez, meeting classmates from all over the world was as much a part of her education as taking classes. "Meeting so many different people has enriched my life," she said.

Planning to continue her interest in international business, she has accepted a position with Kenneth Leventhal Company as a consultant to the hotel industry in Miami. The position will afford her opportunities to travel as well as work in Latin America.

Looking beyond her first job and further traveling, Mingo-Ordonez said she is considering business school as a prelude to her long-term goal of becoming a general manager of a five-star, independent hotel. Whether she will return to Latin America to live is a tougher question. "There are so many more opportunities for women in the United States," she said. "I am very independent, and I have become used to doing things my own way - to having my goals and my dreams and having the chance to see them come true."

The Drown Prize winner and finalists were announced at the Hotel School's Tribute to Seniors on May 10. The Drown Prize finalists, who received \$1,000 each, are Andreas Flaig, Betsy Forbes, Joel Gehman, Eliseo Rios and Leo Yen.

Munger receives world seed prize

Henry Munger, Cornell professor emeritus of plant breeding and vegetable crops, is the recipient of the World Seed Prize from the International Seed Trade Federation (Federation Internationale du Commerce des Semences, FIS).

Munger was cited for his "contribution to the promotion of the use of improved seed varieties to increase food production in the world."

He will receive the award on Monday, May 30, from the Belgium minister of agriculture at the FIS Congress in Ostende, Switzerland. The FIS is an international organization of seed producers in more than 50 countries.

Among Munger's many achievements are his work with multiple disease resistance in cucumbers, melons and squash, and the discovery of male sterility, which is used in producing seed of hybrid carrot varieties throughout the world.

Munger, 78, joined the faculty in 1942 and was named professor emeritus in 1983; he received his B.S. and Ph.D. at Cornell and his M.S. degree at Ohio State University.

Honorary doctorate awarded to Murra

John V. Murra, professor emeritus of anthropology at Cornell, recently was recognized for a lifetime of anthropological accomplishments as the recipient of a doctorate *honoris causa* from the University of Barcelona in Spain.

Honorary doctorates rarely are given in Spain and in this case is even more unusual because it was awarded to an individual whose life's work has focused on the Andean region of Latin America and whose main relationship to Spain consisted of serving in the International Brigades during the Spanish Civil War.

Murra received his original doctorate from the University of Chicago in 1956 for work done in Andean ethnohistory. He taught at Vassar for many years before coming to Cornell in 1968 to occupy a position in the Department of Anthropology.

Murra lives in Ithaca and remains an active researcher in Andean studies.

On the move



Graduate student Barry Werger loads up as he helps a friend move out of Balch Hall Friday.

Peter Morenus/University Photography

Human Ecology junior speaks at White House forum

By Susan Lang

Jared Genser, 21, a junior in the College of Human Ecology, spoke before First Lady Hillary Clinton at a White House forum on national service April 20. He discussed the new national service program and its implications for communities nationwide and recounted his own volunteer experiences.

Genser was one of two young people chosen to speak before the forum sponsored by the Corporation for National Service, the new federal initiative that will be implementing the national service plan. Some

20,000 national service participants will be working full-time by December in communities across the country.

Genser was one of two people to receive the 1993 Voluntary Service Excellence Award from New York Gov. Mario M. Cuomo's office. Given the award in December by Matilda Cuomo, the governor's wife, Genser was cited for serving "as a powerful example of what advocacy and active involvement can accomplish for the common good."

Genser, from Potomac, Md., started volunteering in a soup kitchen in the seventh grade and went on to become the youngest

hospice respite volunteer at age 17 for the District of Columbia Hospice Care. He has organized fundraisers for drug rehabilitation programs, toiletry drives for the homeless, has taught a college course on homelessness, taught adults to read and started a Best Buddies chapter in Ithaca, pairing students with developmentally disabled adults.

Genser took last year off to work as a Youth Engaged in Service (YES) Ambassador, one of nine positions nationwide, to work as an advocate for young people in community service.

Music eases academic pressure

By Darryl Geddes

The Yamaha baby grand in the Statler Hotel's Regent Lounge is fine, but it's the Steinway grand in the Memorial Room of Willard Straight that sings his music best.

"There is nothing like hearing your music on a grand piano," Cornell senior Seth Kaufman said.

For the 21-year-old Wayne, N.J., native, playing the piano soothes a soul and mind weary from the rigors of a biology major's schedule. "It's a way for me to release the pressure and stress of college and to be creative at the same time," he said. "If I didn't have this artistic outlet I would go crazy."

Fascinated by the organ in his grandmother's apartment, Kaufman gave up the clarinet for the piano in sixth grade.

ised him a well-rounded education.

"I wanted to go to a school that would train me to be the best doctor I could possibly be," he said. "I wanted to learn as much as possible not just about science but about life. That's why I chose Cornell."

Kaufman has taken advantage of every opportunity Cornell could offer. His most favorite courses have been those taught by some of Cornell's celebrated faculty. He said astronomy Professor Carl Sagan's Critical Thinking class taught him how to think and English Professor Alison Lurie's course in children's literature helped stretch his artistic bent.

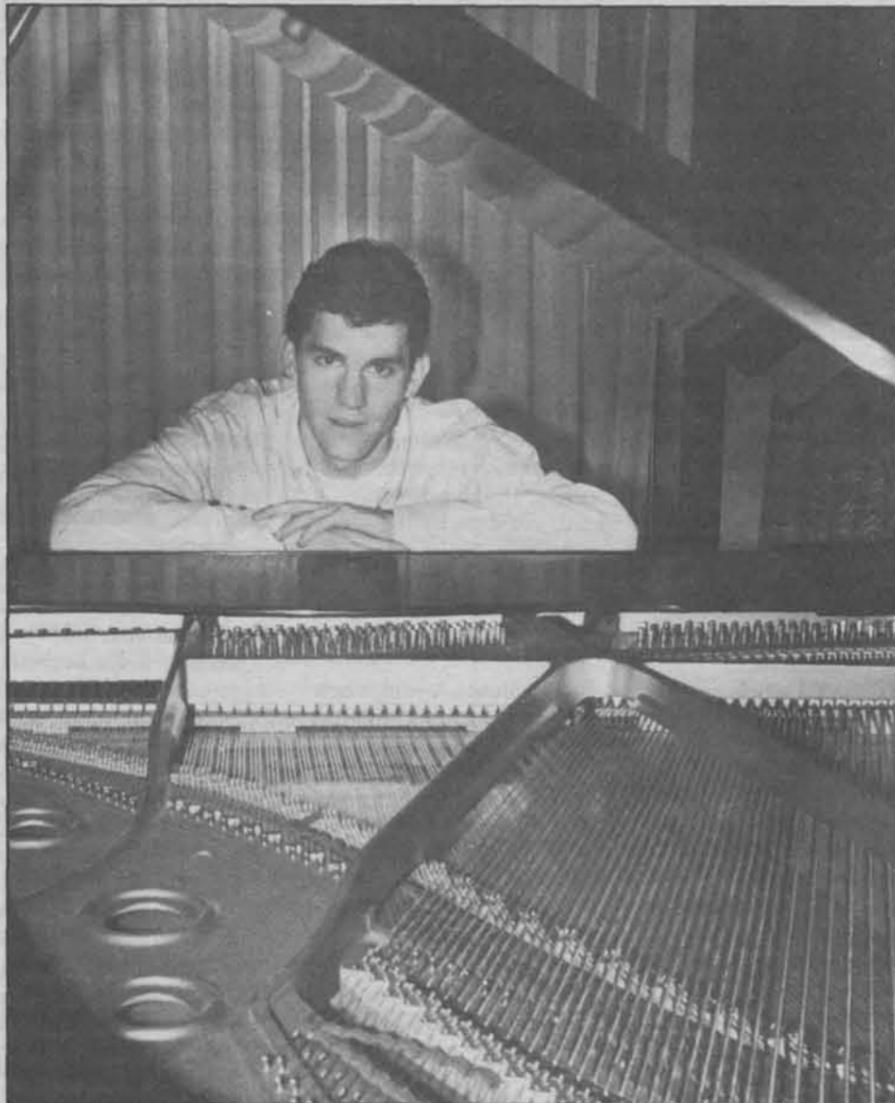
Not only has the piano been Kaufman's security blanket, it's been his diary. When his hands touch the keys, he shares the aches, pains, joys and wonders of his days at Cornell with whomever is listening.

Kaufman's diary comes in the form of an audio cassette, which he recorded last summer. *Cascadilla* features 14 original songs, including his arrangement of the Cornell alma mater, *Cayuga's Waters*. In his liner notes, Kaufman writes, "*Cascadilla* is about optimism — finding intensity in moments, adventure in calm, laughter in loneliness, summer in winter."

"All the songs have real meaning for me," he said. "They help me remember the little moments that have meant so much."

The cassette has sold nearly 2,000 copies since it was introduced at Kaufman's September 1993 appearance at the Willard Straight Coffeehouse. More than 300 people attended the performance. "All my friends were there, my fraternity brothers, everyone," he said. "It was an amazing feeling performing in front of all those people."

Others have seen Kaufman perform at the Willard Straight Noontime Music Series and at the Regent Lounge in the Statler Hotel, where he appeared nightly last summer. His final Cornell performances will come Commencement Weekend when he plays at the Campus Store, where his cas-



Sharron Bennett/University Photography

Seth Kaufman at the grand piano in the Regent Lounge of the Statler Hotel, where he appeared nightly last summer.

sette is on sale for \$10, and for Cornell Night for Seniors.

Meanwhile Kaufman awaits word on his acceptance to medical school. Several schools have put him on their waiting lists. He has used the proceeds from his

cassette to pay the costs of applying to medical school.

"No matter what happens after graduation, I will continue to keep up my piano playing," he said. "I like to create, not just for my own enjoyment but for that of others."

'I wanted to learn as much as possible not just about science but about life. That's why I chose Cornell.'

— Seth Kaufman

He took lessons from the neighborhood piano teacher and played incessantly. "I couldn't do any homework until I played the piano," he recalls.

Almost from the outset, Kaufman began to compose his own music, much to the chagrin of his piano teacher who was more interested in having her student master the basics. "We compromised," he said. "She let me play one of my songs and then I would play her lessons."

Despite winning a high school talent contest, Kaufman set his sights on becoming a doctor. He sent his application to Cornell, where admissions officials prom-

Rosenblatt continued from page 1

ing for a Macy's training program in Manhattan. Most of her male friends were leaving for the war, including her fiance, and she knew the campus in Ithaca was in turmoil.

"I just couldn't go back and have a great time at school while all this was happening," she said.

So she put her education on hold by staying in New York to work. She married just before the end of the war and soon was pregnant with her first of five children.

The next 20 years were busy raising her four boys and one girl in Scarsdale, N.Y. In 1962, when her youngest was in junior high school, Rosenblatt went into real estate part time "but the hours were too terrible." Her experience in real estate, however, landed her a job as one of the first female estimators to work for a moving company.

She stayed there 20 years, helping to finance her children's college educations at Princeton, Yale, Columbia, Vanderbilt and Manhattanville universities.

In 1989, Rosenblatt and her husband, Robert, were on a long drive home from a weekend at his alma mater, Hamilton College, when Robert suddenly turned to her and said, "You know, you've always wanted to someday go back to school and get your degree. If you want to do it, I'll go with you."

Rosenblatt immediately conferred with administrators in the College of Human Ecology, never considering another school for even a moment.

"Once a Cornelian, always a Cornelian," Rosenblatt said. "I always loved it up here, and it was my unfinished Cornell experience that nagged at me."

She was reassured that her freshman credits would be accepted but was advised to brush up on her academic skills before tackling the Cornell grind. She spent the next two years taking algebra and sociology courses at Pace University, learning how to use a computer, while her husband worked out a transfer as a senior hearing representa-



Peter Morenus/University Photography

Senior Helene Rosenblatt recently scores a survey for a gerontology project she has been working on.

tive on workers' compensation for the New York State Insurance Fund. The Rosenblatts moved to Ithaca in the fall of 1991.

The College of Human Ecology immediately connected Rosenblatt with its group of

we work together."

"Her decision to return to school at her age and her abilities, I think, helped shatter stereotypes that younger students might have had of older people stuck in their ways,"

'The younger students didn't ignore me or overrespect me. I'm just another student, and we work together.'

— Helene Rosenblatt

"non-traditional age" students. Although the average age in the group was 25 and she was at least a decade older than anybody else, Rosenblatt wasn't fazed. "The younger students didn't ignore me or overrespect me," she said. "I'm just another student, and

said Donald Barr, professor of human service studies and Rosenblatt's first professor at Cornell when she took the course, Human Services in Contemporary Society. "Her energy and commitment to learning and her desire to use her education to help improve

the lives of others, I think, also had a big impact on students who just wanted to get their degrees."

The only concession the college made to Rosenblatt's mature age was that her physical education requirements, including the swimming test, were waived and she was allowed to park on central campus.

The major challenge was schoolwork. She went to school during the summer semesters to keep each semester a little lighter than usual. Taking exams and getting through accounting and microeconomics, for which she enlisted the help of tutors, were her greatest challenges.

"I wanted to know that I could do it," said Rosenblatt with satisfaction. "And I wanted to work on issues that have an impact on my own age group."

"The amazing breadth of courses that cover the life course were perfect for me. I wouldn't have come back for a liberal arts education but really liked the Human Ecology courses because they had a human touch and understanding."

Rosenblatt's college experience also included an internship with Assemblyman Marty Luster and an independent study with Phyllis Moen, the Ferris Family Professor of Life Course Studies.

So what will she do with her new degree? Enter the job market?

"Celebrate! We're having a big blowout for about 50 people, including my 10 grandchildren. After all, it's the end of something and the beginning of something."

Rosenblatt plans to stay in Ithaca, working at her current job as a head interviewer for the Retirement and Well-being Study with the Cornell Applied Gerontology Research Group, which is part of the Bronfenbrenner Life Course Institute in the college.

In fact, she sounds like many new grads: "I don't know what I'll do beyond that — I'll network, talk to people and see what develops."

Students and faculty honored for their achievements

This list of faculty and student awards is only a sampling of the honors presented this year. Congratulations to all!

College of Agriculture and Life Sciences

The Degree Marshalls are **Clara Chang** and **James Novak**, and the Banner Bearers are **Carrine Burns**, **Jennifer Herstein** and **Shari Weisenfeld**.

The Senior Service Award, sponsored by the ALS Alumni Association, is based on voluntary service activities beyond undergraduate academic requirements. Winners are **Kimberly Bossard** and **Paul Webster**.

Brian Penny received the Paul Schreurs Memorial Award to recognize excellence in undergraduate research, sponsored by the college's honor society, Ho-Nun-De-Kah.

The Professor of Merit award, voted on by the senior class, was awarded to **Richard Baer Jr.**, professor of natural resources.

The Distinguished Adviser Award, also selected by the senior class, went to **Harold "Skip" Hintz**, professor of animal sciences.

The Young Faculty Teaching Excellence Award, a new award given by the college for a faculty member with less than 10 years of teaching at Cornell who demonstrates excellence in undergraduate teaching went to **Deborah Streeter**, associate professor of agricultural, resource and managerial economics.

Another new teaching award given by the college, the Innovative Teacher Award for developing new approaches to instruction in undergraduate teaching, went to **George Hudler**, professor of plant pathology.

The Chancellor's Award for Excellence in Teaching, awarded by the State University of New York, went to **Joan Roos Egner**, professor of education, and **Lois Willett**, assistant professor of agricultural, resource and managerial economics.

The Chancellor's Award for Excellence in Professional Service, also awarded by SUNY, went to **John Finamore**, director of administrative services for the college.

The Chancellor's Award for Excellence in Librarianship went to **Samuel Demos** of Mann Library.

Chemistry Department

The following undergraduate prizes have been awarded:

A.W. Laubengayer Prize to **Matthew Palmer**, **Ivy Chen** and **Robert Andler**. The ACS Analytical Prize to **Lecia Van Dam**. The American Institute of Chemists Medal to **Jacqueline Chang**. George C. Caldwell Prizes to **Katherine Hutchison** and **Thomas Cameron**. The Harold Adlard Lovenberg Prize to **Michael Krochmal**. The Merck Index Award to **Steven Harford**, and the Leo and Berdie Mandelkern Prize to **Brent Stockwell**.

The following graduate prizes have been awarded:

The Clark Teaching Award went to **Glen Kowach**. DuPont Teaching Prizes went to **Charles Brandenburg**, **Mark Harris**, **Greg Landrum**, **Glen Kowach** and **Julie Mueller**. The Howard Neal Wachter Prize went to **Avik Chatterjee**. Winners of the Outstanding Graduate Student Symposium were **Angela Lee**, **Sara Perkovic** and **Mike Senko**. The Richard Evans Prize went to **Deborah Wilcox**.

Class of 1963 Student Organization Award

The Cornell Class of 1963 Student Organization Award went to the **Asian American Coalition**. The award recognizes a student organization whose projects have educated diverse groups of students on a wide range of cultural experiences.

Cornell Tradition

The Cornell Tradition Fellowship, an alumni-endowed program, offers qualified students up to \$2,500 each year to replace loan obligations. Students in turn work 250 hours during each academic year and perform 75 hours of community service, while maintaining a grade point average of at least 2.3. This year the Cornell Tradition has selected 12 graduating students who best exemplify the program's ideals. They have been presented with Senior Recognition Awards. The awards give each of the winners the privilege of choosing to designate either a not-for-profit agency as the recipient of a \$2,500 award or to create a one-year \$2,500 Tradition Fellowship. This year's winners and the agency they designated are:

William Belleville Jr., a Tradition Fellowship; **Kristin Black**, Tradition Fellowship; **Martina Hoppe**, American Rivers and the Student Conservation Association; **Jonathan Miller**, Tradition Fellowship; **Kris Minor**, Youth to Youth Program of Greater Rochester and the Coalition of Student Service Groups/Cornell Public Service Center; **Kirsten Mixer**, Tradition Fellowship; **John Schultz**, Tradition Fellowship; **A. Paige Shipman**, Planned Parenthood of Tompkins County; **Randall Stas**, Tradition Fellowship; **Nikkisha Stephenson**, Tradition Fellowship; **Kele Stewart**, Southside Community Center; and **Felicia Tucker**, HEALTH WATCH Information and Promotion Services Inc.

Design & Environmental Analysis

Christopher Budd, a first-year master's candidate, won a \$5,000 IBD Foundation/Wilson Art Graduate Fellowship.

Three undergraduate interior design students won in the top six places in the 1994 Hans Kreiks Portfolio Competition. **Julian Liu** placed third with a \$1,500 award; **Roger Lee** placed fifth; and **Gloria Wu** placed sixth. Twelve schools were represented with 22 entries, and each school was limited to three entries at the junior or senior class level.

English Department

The 1994 Corson-Bishop Poetry Prize went to **Christopher Nealon**, first place, and **Angela Shaw**, second place.

The George Harmon Coxe Prize went to **Koll Jorgen Jensen** for his essay, "Revelation of the Hidden: The Mask in African American Literature."

Institute for European Studies

The European Summer Research Program undergraduate student awards went to **Claudia Clemente**, comparative literature, Italy; **Suzanne Schwartz**, government, Italy; and **Gary Sernovitz**, history, England.

Michele Sicca Summer Research Grants for graduate students went to **Diamantoula Anagnostou**, government, Bulgaria; **Jean Agras**, economics, Slovak & Czech Republics; **Asuncion Martinez-Arbelaiz**, linguistics, France and Spain; **Lauren Lee**, romance studies, Italy; and **Margaret McKinnon**, city & regional planning, Czech Republic.

Yvonne Houy won the Manon Michels Einaudi Travel Grant and will go to Germany.

1994 Luigi Einaudi Fellowships went to: **Stefan Senders**, anthropology, "Aussiedler and Human Rights in Germany: The Legal and Social Articulation of Post-Cold War Identities"; **Robert Weddle**, architecture, "The Cites-jardins of France"; and **Sydney Watts**, history, "History of Parisian Butchers in the Eighteenth Century."

Geological Sciences

Nathan Niemi was awarded the Chester Buchanan Memorial Scholarship of \$1,000 that goes to the outstanding senior majoring in geology.

Jeffrey Abbruzzi was awarded the Michael W. Mitchell Memorial Prize of \$1,000, given to an outstanding senior geology student who has proved adept in other fields as well as geology.

Department of German Studies

The Simmons Award went to **Craig Hallstrom**, senior in the College of Arts and Sciences.

Government Department

The Sherman-Bennett Prize was awarded to **Sanford Gordon**, **Michael Wiggins** and **Steven Wulf**.

The Clyde A. Duniway Prize went to **Stacy Futter**.

Peter Fidler won the Kasdan-Montessori Peace Prize.

History of Art Department

The Frances Sampson Fine Arts Prize, for a senior who has sustained outstanding performance throughout his or her academic career and shown superior understanding and appreciation of the visual arts, has been awarded to **Glenn Douglas Adamson**.

School of Hotel Administration

Excellence in Teaching Awards of \$2,000 in cash and \$1,000 to use for developmental materials and innovations in the classroom were presented to **Dennis Ferguson**, **Elizabeth Huettman**, **Craig Snow**, **Bob White**, **Giuseppe Pezzotti**, **Chekitan Dev** and **Leo Renaghan**. **J. Bruce Tracey** was voted best teacher by the student body and received a cash award of \$4,000 and \$2,000 for innovations in the classroom.

The Clyde Robinson Awards, given by the National Society of Hotelmen, went to: **Michelle Lim**, outstanding freshman award; **Zeke Marshall**, the scholar athlete award; **Vieven Chen**, the academic excellence award; **Elaine Chang**, the service award; **Sharonda White**, the leadership award; and **Leo Yen**, the dean's award.

The Dean's Awards were presented to freshman **Jeffrey Hancock**, sophomore **May Kao**, junior **Wayne Hartley** and senior **Matthew Vonertfelda**.

The Class Marshalls and Banner Bearers are **Niki Charilaou**, **Amelia Lim**, **Leo Yen**, **Stephen Halikas**, **Betsy Forbes**, **Zeke Marshall** and **Matthew Schroeder**.

Knight Writing Program

The Knight Writing Program has announced the following fall 1993 Freshman Writing Seminar prize winners:

The \$100 James E. Rice Jr. Prizes for excellent expository writing went to **Michelle Kim** for "The Litany of Freedom"; **Vanessa Margolis** for "Basic Instinct(s): Misogyny and Homophobia in American Culture"; and **Ivy Shing Chen**, honorable mention, for "A Dragon's Leap: Dependent Development in East Asia."

The John S. Knight Assignment Sequence Award of \$350 is given to the instructor submitting the best sequence of writing assignments for a freshman writing seminar. The award went to **Pamela Hammons**.

The \$100 Adelpic Awards for the best essay written by a student whose native language is other than English went

to **Beatriz de Mattos Motta** for "That Obscure Object of Desire" and **Jun Eu Tang** for "Darkness and Daylight."

The Gertrude Spencer Prizes, given jointly to a student and instructor (\$350 each) for work that culminated in the student's finished essay, went to student **Nancy Chi Han** and instructor **Nate Johnson** for "A Case of Mistaken Identity"; and to student **Emin Ozgur** and instructor **Paula Moya** for "The World of Dreams."

The Elmer Johnson Markham Prize of \$100 for excellent expository writing went to **Brent Gibson** for "Phrenology Recovered" and to **Brielle Rosa** for "Gauguin and Matisse: Ethnic Eclecticism and the New Aesthetic."

Romance Studies Department

The J.G. White Prizes were awarded to **Maribel Garcia** for excellence in Spanish and to **Magdalena Cerda**, for a student from a Latin American country for excellence in English.

The winners of the J.G. White Scholarships for excellence in Spanish with good performance in all other disciplines were **Esther Liberman**, **Celina Thompson** and **Justin Mull**.

The following awards for the Corson French Prize were made: First prize, which carries an award of \$500, went to **Michelle Donah**, a graduate student in French literature, for her essay on poet Louise Labé; second prize, with an award of \$200, went to **Tim Hoekstra**, senior in the College of Arts and Sciences, for his essay on Voltaire's *Candide*.

College of Veterinary Medicine

The Veterinary College's Multi-Ethnic Veterinary Student Association honored nine faculty members and eight graduating students.

Faculty honored as mentors were: **Drs. Hussni Mohammed**, **Donald Smith**, **Nathan Dykes**, **Andrea Looney**, **John Saidla** and **John Hermanson**.

Three awards were presented to individuals who contributed for more than 15 years "toward a more culturally rich environment in the Veterinary College." **Dr. Donald Postle** was recognized for leadership in directing the college's first minority programs for high school and college students. **Dr. Neil Norcross** was cited for sponsoring the USDA/NIH Research Apprentice Program for Minority High School Students. **Dr. Daniel Tapper** was recognized for contributions toward the principles of diversity.

Service awards were presented to the following graduating students: **Edward Arrington**, **Jeremy Bowers**, **Tregel Cockburn**, **Luis Fernandez**, **Jennifer Gardner**, **Khayya Kelly**, **Charla Smith** and **Julia Smith**.

Women's Studies Program

The winners of the 1994 Beatrice Brown Awards, given to graduate students working on some aspect of women and gender, were: **Jacqueline Hatton**, history; **Beth Aplin-Rollins**, African studies; **Sara Friedman**, anthropology; **Pamela Hammons**, English; **Amy Zalman**, English; and **Irene Alejandra Molina**, romance studies.

Guggenheims awarded

Three Cornell researchers have won Guggenheim Fellowships this year. They are among 147 artists, scholars and scientists out of 3,157 applicants to be chosen:

- **Moses V. Chao**, professor cell biology in medicine, Cornell Medical College, to study the signal for myelination;
- **Veit Elser**, associate professor of physics, to study quasicrystalline minimal surfaces; and
- **Robert E. Oswald**, professor of pharmacology, to study glutamate receptors.

Guggenheim Fellows are chosen on the basis of unusually distinguished achievement in the past and exceptional promise for future accomplishment.

CU junior is Beinecke Scholar

Sandra L. Shagat, a junior majoring in English from Barnegat, N.J., has been awarded the Beinecke Brothers Memorial Scholarship. The scholarship consists of a \$2,000 grant payable upon the completion of her senior year of study and a two-year \$30,000 grant to be applied to her first two years of graduate study.

Aside from an impressive academic record, which includes three semesters on the Dean's List, Shagat also has a significant extracurricular resume, including service as managing editor of *Praxis*, a Cornell Journal of Arts and Letters, and as co-editor of *La Lucha*, a publication of Cornell's La Asociación Latina.

Students from a select group of 45 colleges and universities are invited to apply for the scholarship. Scholarships were awarded to 16 students this year. Recipients must demonstrate unusual ability in the field of study they wish to pursue in graduate school. The scholarship was established by the board of directors of the Sperry and Hutchinson Co. to honor Edwin, Frederick and Walter Beinecke.

Kreiswirth *continued from page 1*

comprised of trustees of the scholarship. Kreiswirth recalls driving to Philadelphia in an ice storm in January for the interview.

"I practically got killed getting there, but it really was an amazing interview," Kreiswirth said. As one of nine finalists, Kreiswirth spoke to the review committee about his goals for studying in England, his Cornell experience and his honors thesis on black poverty, which, he said, "is obviously a very germane issue in Philadelphia."

Kreiswirth, of Pound Ridge, N.Y., deferred his acceptance at Yale Law School for two years and will be working toward a second bachelor of arts degree in "Philosophy, Politics and Economics." He said he hopes to build on the education he has received as a student in Cornell's School of Industrial and Labor Relations.

As he reflects on leaving Cornell, he sees himself as someone who is less obsessed with academics than he was as a freshman. "I am more concerned with seeking intellectual challenges and experiences," he said.

Kreiswirth's academic and extracurricular record at Cornell exemplify his enthusiasm for intellectual pursuits, politics and social activism. During his four years at Cornell, he has been a member and business manager of the capella singing group Key Elements.

As a Cornell Tradition Scholar, he fulfilled the employment, community service and G.P.A. requirements of that scholarship, as well as playing an integral role in coordinating a new student orientation program and community outreach programs through his service on the Cornell Tradition Student Advisory Council.

Kreiswirth said the highlight of his

'More than anything else, my education here at Cornell has given a foundation to my personal views on social and political issues.'

— Brian Kreiswirth

Cornell experience was studying in Washington, D.C., during the fall semester of his junior year through the ILR-in-Washington program. While there, Kreiswirth worked 30 to 35 hours a week on Sen. Edward M. Kennedy's staff for the U.S. Committee on Labor and Human Resources.

"It was an exciting time to be there," Kreiswirth said. "Clinton had just been elected president, and, in preparation for

Clinton's proposed economic stimulus project, Kennedy wanted to suggest areas where money could be spent." Kreiswirth helped to prepare the list of potential projects which included building new schools, head-start centers and hospitals and others parts of the human resource infrastructure.

During the last year, Kreiswirth completed his senior honors thesis on black poverty in the United States, a topic that grew out of studying with ILR Professor Nick Salvatore, who teaches an African-American history course. In his thesis, Kreiswirth examined the different ideological perspectives within the African-American community, reaching a conclusion that the problems facing the black community are a product of the larger economic and social problems of society as a whole.

"More than anything else, my education here at Cornell has given a foundation to my personal views on social and political issues," Kreiswirth reflected. Led by a desire to continue to enhance his ability to think through problems, Kreiswirth said he hopes to one day work in Washington on a policy committee that addresses important social and economic issues.

For the moment, he seems happy just thinking about all the places to go in the next two years.

125 wild horses to be auctioned

Veterinarians and staff members of the College of Veterinary Medicine will be on hand to monitor the public adoption of wild horses from Western rangelands, scheduled by the U.S. Department of Interior's Bureau of Land Management (BLM) for June 4 at the Cornell Equestrian Center, Pine Tree Road, Ithaca.

The wild horse adoption is run by the BLM at the equestrian facility, which is leased for that purpose from Cornell. Cornell personnel will inspect the animals to determine their health status and will be available to provide veterinary care if needed.

According to BLM plans, approximately 125 healthy and trainable wild horses will be offered for adoption between 7 a.m. and 5 p.m. If any horses are still available, they can be adopted June 5 from 8 a.m. to 5 p.m. Horses are scheduled to arrive at the equestrian center June 3, with viewing hours from 1 to 5 p.m.

Information is available from the BLM at (414) 297-4443.

CALENDAR

from page 12

Immunology

"Glycoproteins of *Trichinella spiralis* and Their Role as Targets for Protective Antibodies," Laurie Ellis, doctoral candidate, Baker Institute, May 27, 12:15 p.m., Boyce Thompson Auditorium.

SYMPOSIUMS

Cornell Cooperative Extension

On June 2 at 3 p.m. in Alumni Auditorium of Kennedy Hall, there will be a symposium on Outreach in the Land Grant System. A presentation on Minnesota's outreach plan will be part of the celebration to honor Lucinda Noble as she retires as director of the Cornell Cooperative Extension system.

MISCELLANY

Alcoholics Anonymous

Meetings are open to the public and will be held Monday through Friday at 12:15 p.m. and Saturday evenings 7 p.m. in Anabel Taylor Hall. For more information call 273-1541.

Astronomical Observing

The Cornell Astronomical Society hosts an open house every clear Friday evening from 8 p.m. to midnight at Fuertes Observatory on campus.

SPORTS

(Home games in ALL CAPS)

Men's Hvywt. Crew

May 28, PENNSYLVANIA
June 2-4, IRA at Syracuse

Men's J.V. Hvywt. Crew

May 28, PENNSYLVANIA
June 2-4, IRA at Syracuse

Men's Freshman Hvywt. Crew

May 28, PENNSYLVANIA
June 2-4, IRA at Syracuse

From Russia With Love:

Olga Itskhoki takes Cornell tennis by storm

By Patrick Gillespie

Love in tennis terminology means zero. Zip. Nada. The big doughnut.

Zero. That's exactly how many losses sophomore Olga Itskhoki (Moscow, Russia) was dealt in this spring's Ivy League tennis season. The 19-year-old Russian recorded a perfect 7-0 slate in league matches while playing at the No. 1 singles position for the Big Red after transferring from Moscow State University for the fall semester.

Not only did Itskhoki go undefeated in her seven singles matches against Ivy League competition, she didn't lose a set in those bouts. Not bad for a walk-on who hadn't really played competitively for two years.

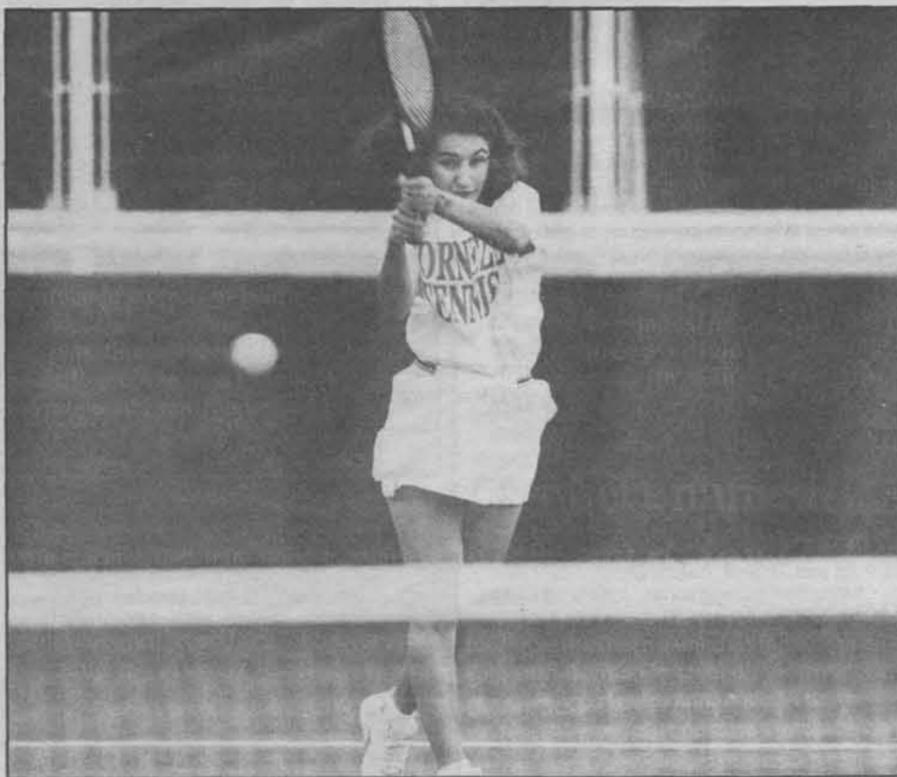
"I wasn't surprised by my performance this year," said Itskhoki, "because I played at this level in high school. At Moscow State, tennis wasn't taken all that seriously. We were good, but other schools did not treat it as seriously as we did."

"I played No. 1 for Moscow State and thought I could play here," she said. "I knew from reading literature from Cornell that sports were popular."

Itskhoki finished the spring season with a 16-2 singles mark, winning her last 12 matches of the season, and was 10-5 in doubles play. With her battling at the No. 1 position, the Big Red tied for third place in the Ivy League with a 4-3 mark and had its best season ever with a 13-5 overall slate. When the Big Red beat Columbia 4-3 on April 1, it was the team's first Ivy League victory since the conference began round-robin play in 1983.

"Olga has an excellent work ethic," said head coach Linda Myers. "In fact, sometimes she has to be told when to quit. She is always trying to improve her game. She has that never-give-up attitude."

Knowing that academics were her top priority, Itskhoki wanted to get her feet on the ground first when she arrived in Ithaca. One day late in August when she felt comfortable at Cornell, she set out in search of the tennis coach. "I approached Coach Myers after a morning practice and told her I wanted to play tennis," Itskhoki said. "She looked at me and explained that not everybody who comes out to play makes the team. After we talked for a while, she told me to come back for that afternoon's practice and I would be given the chance to try out for the team."



Tim McKinney

Tennis star Olga Itskhoki keeps her eye on the ball.

Itskhoki played Jigisha Pathakji, who was supposed to be the team's No. 1 or No. 2 player, and lost 7-5, but impressed Myers enough that afternoon that she earned a spot on the squad. "I made the team that day, but, you know what, Coach Myers never once took off her sunglasses when she talked to me," Itskhoki said with a chuckle.

"I'm not sure Olga really knows how good she is," Myers said. "She wasn't this good when she came here. She has seen improvement in her game. Olga also has a great sense of humor and that keeps the team upbeat. She loves representing Cornell. Usually when you get a player this good, they don't have these qualities. That's what makes Olga special."

After attending Moscow State, Itskhoki decided she wanted to complete her education in the United States and was looking for an institution strong in economics.

"I knew Cornell was one of the best institutions in the U.S.," said Itskhoki. "I heard it was a good school in general and was one of the best to go to for economics."

When she first came to Cornell, Itskhoki was enrolled in the College of Arts and Sciences but has since transferred to the College of Agriculture and Life Sciences, where she is majoring in applied economics and business management. "I thought the economics theory curriculum in the Ag School would suit me better. I will be better prepared to get a job right out of school or I can go on to graduate school if I desire," Itskhoki said.

Like most Cornellians, Itskhoki should have several offers on the table once she earns her degree, but hasn't decided what she's going to do or where she's going to wind up after graduation. "It all depends on what kind of job offers I get," Itskhoki said. "I think I'd like to work for an American company and work in Europe. That way I'll be closer to my family in Moscow."

Looking a little closer in the future, Itskhoki hopes the women's tennis team can maintain its pace next season. "I'd like us to win as many or more in the Ivy League next season," Itskhoki said. "Maybe we can even win the Ivy League next year."

CALENDAR

May 26 through June 2

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.

dance

Cornell International Folkdancers

All events are open to the Cornell community and the general public and are free unless otherwise noted. Beginners are welcome, and no partner is needed. For information, call 387-6547.

May 29: 7:30 p.m., dance instruction, international dances; 8:30 p.m., request dancing; Atrium, Veterinary Research Tower.

CU Jitterbug Club

Fee charged. Open to all ages. No partner needed. For information and registration, call Bill at 273-0126 or 254-6483.

- Survival dance series at 8 p.m. at the Maplewood Park Community Center, 201 Maple Ave.: "Couples Dancing for All Occasions": Slow Dancing, May 26; Latin, June 2; Swing, June 9.
- Intermediate jitterbug series, June 8, 15 and 22, 7:45 p.m., 209 N. Aurora St.
- Advanced jitterbug series, June 8, 15 and 22, 6:45 p.m., 209 N. Aurora St.

Israeli Folkdancing

Israeli Folkdancing, Thursdays, 8 p.m., Edwards Room, Anabel Taylor Hall.

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. and Wednesdays to 8 p.m. Admission is free. Telephone: 255-6464.

- "Contemporary Japanese Prints" will be on view through June 26. The richness and diversity of modern Japanese printmaking techniques and styles are illustrated in this show of 50 contemporary prints.
- "Rural Japan: Radiance of the Ordinary" will be on view through June 26. These photographs by Linda Butler document the vanishing culture and lifestyle of rural Japan.
- "An American Portrait," a collection of photographs owned by two alumni, Diann and Thomas Mann, Classes of '66 and '64, respectively, will be on view through June 12.
- "Emblems of Authority: Ancient Greek and Roman Coins" is on display through June 12. The coins are from the collections of two Cornell alumni, David Simpson '60 and Jerry Theodorou '79.

Kroch Library

Through June 17 the Guild of Book Workers traveling exhibition, "Fine Printers Finely Bound

Too," will be at the Kroch Library to end its two-year tour of the country. The exhibition focuses on the two interdependent arts of fine letterpress printing and fine binding (edition or one-of-a-kind).

Plantations

Cornell Plantations, the university botanical garden and arboretum, is open free of charge seven days a week from sunrise to sunset. For information, call 255-3020.

"Crabapples in Bloom," an assemblage of 23 of the best crabapple varieties for use in central New York, is on view through May 27. The collection is located on north campus, on the slope between the Fuertes Observatory and Helen Newman Hall.

"Spring Wildflowers Native to the Cayuga Lake Basin," Mundy Wildflower Garden, through May 27. The entrance to the garden is located at the intersection of Caldwell Road and Forest Home Drive. Limited parking is available.

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), except for Tuesday night Cinema Off-Center (\$2) and Sunday matinees (\$3.50). Films are held in Willard Straight Theatre except where noted.

Thursday, 5/26

"The Graduate" (1967), directed by Mike Nichols, with Dustin Hoffman, Anne Bancroft and



Cornell Cinema presents "Cinema Paradiso" this week at Willard Straight Theatre. Check the Films listing for information.

Katharine Ross, 7:15 p.m.

"Jurassic Park" (1993), directed by Steven Spielberg, with Sam Neill, Jeff Goldblum and Laura Dern, 9:40 p.m.

Friday, 5/27

"One Nation Under God" (1993), directed by Teodoro Maniaci and Francine Rzezniak, 7:30 p.m.
"The Graduate," 9:40 p.m.
"Jurassic Park," midnight.

Saturday, 5/28

"Cinema Paradiso" (1989), directed by Giuseppe Tornatore, with Philippe Noiret, Salvatore Cascio and Marco Leonardi, 7 p.m.

"Much Ado About Nothing" (1993), directed by Kenneth Branagh, with Denzel Washington, Emma Thompson and Kenneth Branagh, 9:35 p.m.

"The Terminator" (1984), directed by James Cameron, with Arnold Schwarzenegger, Linda Hamilton and Michael Biehn, midnight.

Sunday, 5/29

"Much Ado About Nothing," 4:30 p.m.
"The Terminator," 8 p.m.

Monday, 5/30

"Much Ado About Nothing," 7:35 p.m.
"The Terminator," 10 p.m.

Tuesday, 5/31

"Cinema Paradiso," 7:20 p.m.
"Jurassic Park," 10 p.m.

Wednesday, 6/1

"Cinema Paradiso," 7:15 p.m.
"Jurassic Park," 9:50 p.m.

Thursday, 6/2

"Children of Paradise" (1945), directed by Marcel Carne, with J.L. Barrault, 6:40 p.m.

"The Wedding Banquet" (1993), directed by Ang Lee, with Winston Chao and May Chin, 10:25 p.m.

graduate bulletin

- **Commencement reception:** A reception will be held for all graduate degree recipients, families and friends in the Lounge, Sage Graduate Center, immediately following the May 29 Commencement Exercises.

- **Diploma distribution:** Diplomas will be available at the post-commencement reception for May 1994 degree recipients who completed requirements by mid-March (bring ID). Diplomas will be mailed for 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 28. Family, friends and faculty advisers are invited; reception will follow.

- **Faculty:** Graduate faculty meeting will be held on Friday, May 27, at 4 p.m. in the Sage Graduate Center. The meeting is solely for the purpose of voting on May degrees.

- **Summer registration:** Summer graduate registration continues at the Graduate School information desk, Sage Graduate Center. Student ID is required, and students receive a summer 1994 ID sticker.

- **August degree deadline:** Friday, Aug. 19, is the deadline for completing all requirements for an August degree, including submitting the thesis/dissertation to the Graduate School.

- **Fellowship and training grant payments, 1994-95:** Fellowship and training grant recipients for 1994-95 who receive their stipend checks through the Graduate Fellowships Office will receive their fall stipend checks in one lump sum, available upon proof of registration, starting Mon-

music

Department of Music

Senior Weekend Concerts:

- The Cornell University Wind Ensemble will perform May 28 at 3 p.m. on the Arts Quad.
- The Cornell Glee Club and Chorus will perform May 28 at 8:15 p.m. in Bailey Hall.

Bound for Glory

May 29: Albums from the studio. The next live performance will be June 26. Bound for Glory can be heard Sundays from 8 to 11 p.m. on WVBR-FM, 93.5.

religion

Baccalaureate Service

Dennis O'Brien, president of the University of Rochester, will speak at the University Baccalaureate Service on May 29 at 8:30 a.m. in Bailey Hall.

African-American

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

Baha'i Faith

Fridays, 7 p.m., speakers and open discussion, meet at the Balch Archway. Sunday morning dawn prayers. For details, call 253-2401.

Catholic

Weekend Masses: Saturday, 5 p.m.; Sunday, 9:30 a.m., 11 a.m. and 5 p.m., Anabel Taylor Auditorium. Daily Masses at 12:20 p.m. in Anabel Taylor Chapel. Sacrament of Reconciliation, Saturday, 3:30 p.m., G-22 Anabel Taylor Hall.

Christian Science

Testimony and discussion meeting every Thursday at 7 p.m., Founders Room, Anabel Taylor Hall.

Episcopal (Anglican)

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

Friends (Quakers)

Sundays, 9:45 a.m., adult discussion; 11 a.m., meeting for worship, Edwards Room, Anabel Taylor Hall.

Jewish

Morning Minyan at Young Israel, 106 West Ave., call 272-5810.

Reform: Fridays 6 p.m., chapel, Anabel Taylor Hall; Conservative/Egalitarian: Fridays, 6 p.m., Founders Room, and Saturdays 9:30 a.m., Founders Room, Anabel Taylor Hall; Orthodox: Friday, call 272-5810 for time, and Saturday, 9:15 a.m., Edwards Room, Anabel Taylor Hall.

Korean Church

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

seminars

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.

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

Thursdays, 5 p.m., chapel, Anabel Taylor Hall.

seminars

Baker Institute

"Solid-Phase Techniques for the Isolation of Tissue/Genome-Specific Genes," Ignacio Rodriguez, National Eye Institute/NIH, June 2, noon, conference room, Baker Institute for Animal Health.

Boyce Thompson Institute for Plant Research

BTI Distinguished Lecture in the Life Sciences: "Signaling and Defense Gene Activation in Plant/Fungus Interactions," Klaus Hahlbrock, Max-Planck Institut fur Zuchtungsforschung, Cologne, Germany, June 1, 3 p.m., BTI Auditorium.

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