

CORNELL Chronicle

Volume 25 Number 8 October 14, 1993

UNITED WAY

Many of the 60 volunteer counselors who pick up the calls at Suicide Prevention are Cornell students, faculty and staff.

HALL OF FAME

Eleven more athletes will enter the Cornell Hall of Fame on Friday, bringing the total to 320 members.

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Rhodes seeks to establish Cornell as the 'new American university'

By Sam Segal

President Frank H.T. Rhodes told the university's most ardent alumni on Oct. 8 that, with continued focus on excellence and the reaffirmation of traditional educational values, they could help establish Cornell as "the new American university."

Rhodes talked of public cynicism about universities' costs, integrity and degree of commitment to undergraduate teaching. But he said Cornell had for some years showed "a resurgence of commitment to undergradu-

ate education as our core business."

With first-rate students and faculty, peerless alumni support, diligent budgeting, and a commitment to live by a clear statement of mission and values, he said Cornell could prevail over public distrust and the vicissitudes of exterior funding.

His rousing peroration in the packed Statler Auditorium, at the annual joint meeting of the Board of Trustees and the 440-member University Council, asked for help "to create something vital, vigorous and fresh on the educational landscape."

"With your continuing vision, leadership and support," he added, "the new American university will be Cornell."

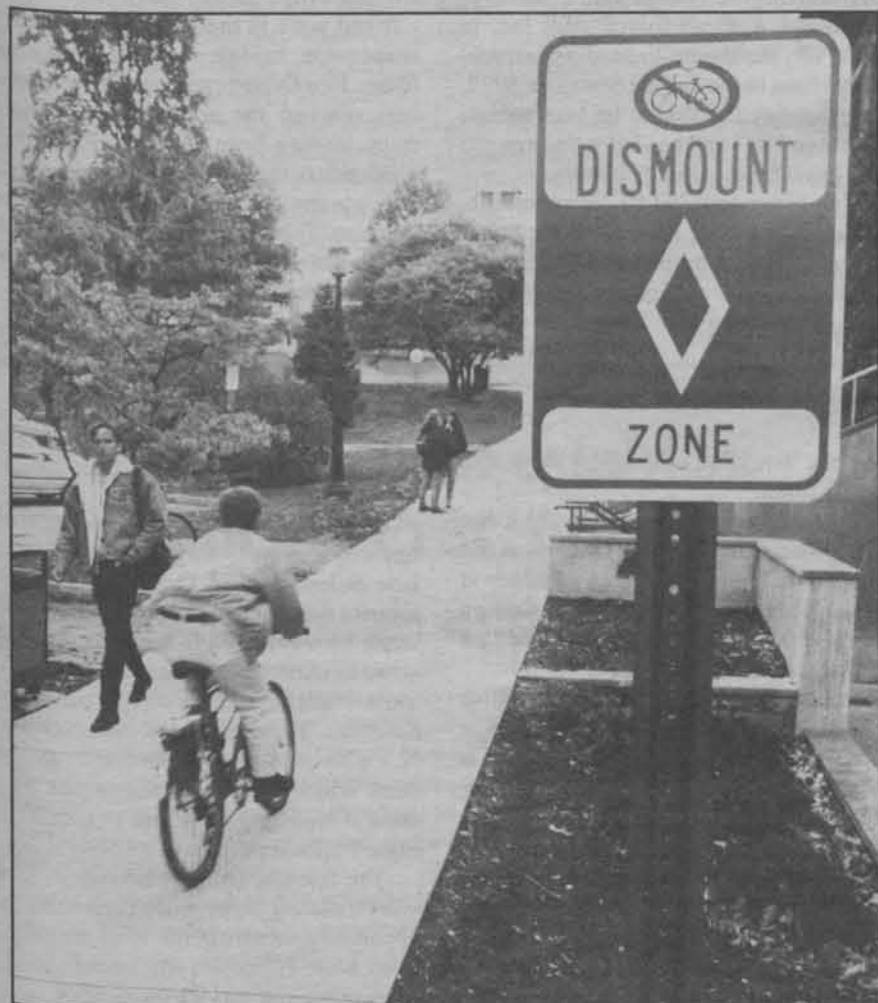
Rhodes had delivered a similar "State of the University" speech two days earlier at a joint meeting of the university faculty and the Faculty Council of Representatives.

"I want to commend the faculty and deans," he said at the time, "to applaud and salute you" for such actions as major, student-focused curriculum changes at the School of Hotel Administration, approving a new freshman colloquium at the School of

Industrial and Labor Relations, extending and revising what were pilot freshman colloquia in the Colleges of Arts and Sciences and Engineering, and involving nearly 500 undergraduates in independent research at the College of Agriculture and Life Sciences. The College of Veterinary Medicine, he noted, had thoroughly revised teaching for its professional students, so that many large lectures were replaced by small-group, interdisciplinary study.

It was at Trustee/Council Weekend a
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Caught in the act



Peter Morenus/University Photography

To create safer traffic conditions on campus, signs and markings with white, yellow and red diamonds have been posted to indicate paths that are for bicycles only, paths on which bicyclists must yield the right of way to pedestrians, and paths on which bicyclists must walk their bikes, unlike this bicyclist above. See the story on Page 3.

Two graduates win 1993 Nobel Prizes

Robert Fogel in economics

By Kristin Costello

In 1947, when future Nobel Memorial Prize winner Robert W. Fogel was a student majoring in economics at Cornell, "he was an earnest, politically active and intelligent student," recalls one of his economics professors, Alfred E. Kahn.

Kahn recently met with Fogel and his wife, Enid, when they came to Ithaca to interview Kahn for a book they are both working on.

"I remember Bob well when he was a student and have followed his career with pride," said Kahn, who taught Fogel in an advanced economics course during his first year of teaching at Cornell.

Fogel received an A.B. from Cornell in 1948. Fogel's brother, Ephim Fogel, who died in 1992, taught English at Cornell from 1949 until he retired in 1990.

John Marcham, a 1950 Cornell graduate and former editor of the *Cornell Alumni News*, remembers Fogel as an active and leading member of the Marxist Discussion Group at Cornell.

During his undergraduate career, Fogel was also a member of the Cornell History Club and several other organizations.

Speaking of Fogel's accomplishments in economic history, Kahn said, "Fogel has been one of the pioneers in the application of modern statistical econometric techniques to economic history. He is a real and complete scholar in this rather novel field," added Kahn, the Robert Julius Thorne Professor Emeritus of Economics.

The area Fogel has pioneered in — the application of statistical measurements to history — is referred to as Cliometrics, Kahn explained, adding that the name is derived from "Cli," the muse of history in Greek mythology.

Fogel, 67, is the Charles R. Walgreen Professor in the University of Chicago's Graduate School of Business, Department of Economics and Committee on Social Thought, and he is the director of the university's Center for Population Economics. Fogel is one of two recipients to be awarded the Nobel Memorial Prize in Eco-



1947 Cornellian Fogel

nomics this year; he shares the award with Douglass C. North of Washington University in St. Louis.

The Royal Swedish Academy of Sciences stated that Fogel and North were recognized "for having renewed research in economic history by applying economic theory and quantitative methods, in order to explain economic and institutional change."

Fogel's pre-eminent work examines the role of railways in the economic development of the United States, studying what would have happened if an alternative transport system had been instituted.

Kahn noted that Fogel has done remarkable work in using statistical methods to analyze the economics of the slave system in America, demonstrating that even as an abhorrent institution, slavery was economically more efficient than free agriculture.

Fogel himself commented that, at the culmination of a 23-year project studying
Continued on page 2

Toni Morrison in literature

By Carole Stone and Kristin Costello

When Toni Morrison earned a master's degree at Cornell in 1955, she wrote her thesis on William Faulkner and Virginia Woolf; today, students in the English Department are writing about Shakespeare, Woolf and Morrison.

Winner of the 1993 Nobel Prize in literature, Morrison is the author of *Beloved* (1987), *The Bluest Eye* (1972), *Jazz* (1992), *Playing in the Dark: Whiteness and the Literary Imagination* (1992 essays), *Song of Solomon* (1977), *Sula* (1974) and *Tar Baby* (1973).

Morrison's books are taught in a number of courses here and elsewhere.

"Shakespeare, Virginia Woolf and Toni Morrison have been the most popular subjects for undergraduate honors theses in the
Continued on page 2



Morrison 1988

Hartmanis wins top award in computer science field

By Larry Bernard

Juris Hartmanis, chair and professor of computer science, was named co-winner of the 1993 Turing Award in computational science by the Association for Computing Machinery on Tuesday.

Hartmanis, currently on sabbatical in Germany, was honored for co-founding the field of computational complexity with Richard E. Stearns, a computer scientist at the



Hartmanis

State University of New York at Albany.

"Arcane though computer science may sometimes appear to the world at large, scientific work of the sort done by Hartmanis and Stearns gives backbone to the technology underlying the entire information-technology industry of today and tomorrow," said Gwen Bell, ACM president and head of the Computer Museum in Boston.

The Turing Award is the most prestigious in the field, given annually for technical achievements in computing deemed to be of lasting and significant importance to the computing community. Named for the renowned British mathematician Alan M.

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Turing, the award has been given annually since 1966 and is recognized as the Nobel Prize of the field.

Hartmanis and Stearns originated the field of computational complexity when they worked together at the General Electric Research Laboratory, now the G.E. Research and Development Center, in the early 1960s. Their paper, "On the computational complexity of algorithms," marked the start of the modern era of complexity theory. Today, it forms the core of the field and is taught in every computer course. The theory makes it possible to determine and compare speed and performance of computer algorithms—the mathematical underpinnings of all computer programs—and programs without actually running them on a computer.

"This work created a new discipline by providing scientists with a framework for discussing the intrinsic difficulty of a task," said John Hopcroft, Cornell associate dean of engineering and former chairman of the Computer Science Department. "A generation of researchers has built on this work,

impacting fields from operations research to cryptography. It is hard to imagine a researcher in computer or information science whose work is not influenced by that of Hartmanis and Stearns."

Hartmanis, 65, began at Cornell as an instructor in 1955. After a brief stint at Ohio State University, he worked for the next decade at the G.E. Research Laboratory. Hartmanis returned to Cornell as chairman and professor of computer science in 1965. In 1980, he was named the Walter R. Read Professor of Engineering. Hartmanis still teaches undergraduate courses at Cornell, including Introduction to the Theory of Computing.

A member of the National Academy of Engineering and fellow of the American Academy of Arts and Sciences, Hartmanis earned an undergraduate degree in physics from the University of Marburg in 1949, a graduate degree from the University of Kansas City in 1951 and a doctorate from the California Institute of Technology in 1955, both in mathematics.

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the slave system, he and the other project researchers concluded that "slavery was ended not because it was inefficient, but because it was morally repugnant."

In recent years, Fogel has been engaged in examining causes in increases of life expectancy. His work proposes that those increases are attributable more to improvements in public health through improved sanitation systems and cleaner drinking water than to medical advances.

Fogel is the author or co-author of numerous articles and 18 books, including the two-volume *Time on the Cross: The Economics of American Negro Slavery, A Guide*

to *Business Ethics in the 1990s*, and is currently working on *The Escape from Hunger and Early Death: Europe, America and the Third World: 1750 - 2100*.

Born in New York, Fogel has served as director of the Center for Population Economics at the University of Chicago since 1981. After earning an A.M. from Columbia University in 1960 and a Ph.D. from Johns Hopkins University in 1963, he became a professor at the University of Chicago from 1965 to 1971 and at Harvard University from 1975 to 1981. Fogel has two sons and lives in Chicago's Hyde Park with his wife.

Morrison continued from page 1

last several years," said Harryette Mullen, assistant professor of English.

Associate Professor Stephanie Vaughn, director of Cornell's Creative Writing Program, teaches Morrison's *Sula* in her creative writing classes. She considers it "one of the greatest books of our century" and "an inspirational model of original style, adventurous structure and fierce vision."

Morrison has visited Cornell twice since she left in 1955. In November 1978, she gave a talk titled "A Matter of Fiction," about morality and literature and why people write and read. She said that preservation of

the oral tradition is her primary motivation. A tape recording of that address is available in Cornell's Uris Library.

In May 1988, Cornell paid tribute to Morrison in ceremonies that drew a standing-room-only crowd in Bailey Hall. The author, who had just won the Pulitzer Prize for her novel *Beloved*, read from that work. And those who praised her included President Frank H.T. Rhodes, then-Mayor John C. Guttenberger, Cornell professors Robert Harris and Kenneth McClane, and her adviser, Robert Elias.

Morrison, 62, born as Chloe Anthony Wofford in Lorain, Ohio, the second of four children in a black working-class family, graduated from Howard University in 1953.

At the recommendation of her undergraduate adviser, she came to Cornell for two years to specialize in American fiction. Her thesis was "Virginia Woolf's and William Faulkner's Treatment of the Alienated."

Although Cornell did have a creative writing program at the time under the direction of Professor Baxter Hathaway, Morrison pursued a conventional master's degree.

"I didn't help her become a writer or not," said Elias, the Goldwin Smith Professor of English Literature and American Studies Emeritus at Cornell. "My job was to make sure her writing was up to standard, which is a little ironic, you know," he added.

"She actually blossomed in creative work after leaving Cornell, but I know she said that Cornell provided an atmosphere where she felt comfortable at the time and where she could find herself," Elias said.

There were not many women in graduate school when Morrison studied American literature, nor were there many African-Americans. African-American writing did not receive much attention, Vaughn said.

"When she was doing Faulkner and Woolf, there was no formal way to study people like the one she was to become," Vaughn said.

McClane, the W.E.B. DuBois Professor of Literature, calls Morrison "one of the greatest stylists we now have. If you look at a tradition of stylists from Faulkner on," he

Ag College honors alumni

The Alumni Association of the College of Agriculture and Life Sciences will honor six alumni at the association's annual alumni awards banquet on Friday, Oct. 15.

• George H. Axinn, a 1947 graduate. A professor in the College of Agriculture and Natural Resources at Michigan State University, Axinn has made numerous contributions to international agriculture and development.

• Austin W. Curtis Jr., a 1932 graduate. Curtis is president of A.W. Curtis Laboratories, a manufacturer of cosmetics and health care products in Detroit, Mich.

• Gordon H. Gowen, a 1952 graduate. After graduating from Cornell, Gowen returned to his family's farm in Alstead, N.H., to work with his father. He eventually took over the operation. He maintains a herd of Holstein cows and is the state's number one producer for his herd size.

• Ronald P. Lynch, a 1958 graduate. Managing partner in the New York City investment firm Lord, Abnett & Co., Lynch has been one of the college's most dedicated and generous alumni.

• Richard G. Warner, Ph.D., a 1951 graduate. Warner's 38 years in the college's Department of Animal Science earned him the reputation as a teacher without peer.

• Timothy R. LaBeau, a 1977 graduate who is receiving the Young Alumni Achievement Award. LaBeau joined Aldi Inc. in Batavia, Ill., the largest limited-assortment grocery chain in the United States, in 1977. Rising through the ranks, he was named president in 1987 and has led it through the fastest growth period in its history.

Elaine Newcomb '64 of Vermontville, N.Y., heads the ALS Alumni Association. The awards committee is chaired by Denise Meridith '73 of Silver Spring, Md.

BRIEFS

■ **Flu vaccine:** Influenza vaccine clinics for Cornell students, faculty and staff are scheduled for eight days this month, beginning today, Oct. 14, at Gannett Health Center. "Flu vaccine is recommended for individuals with chronic medical conditions such as heart or lung disease, asthma or diabetes," said Leslie Elkind, M.D., director of University Health Services. "It is also recommended for those who wish to minimize the risk of contracting influenza and avoid disruption of routine activities during epidemics." Flu vaccine clinics are scheduled today (Oct. 14) from 1:30 to 4 p.m.; Oct. 15, 8:30 to 11:30 a.m.; Oct. 18, 8:30 to 11:30 a.m. and 1:30 to 4 p.m.; Oct. 19, 1:30 to 4 p.m.; Oct. 21, 8:30 to 11:30 a.m.; Oct. 22, 8:30 to 11:30 a.m.; Oct. 25, 1:30 to 4 p.m.; and Oct. 29, 8:30 to 11:30 p.m. The fee for flu vaccine is \$8, payable by cash, check, bursar billing or major credit card. No appointments are necessary. Information on the clinics is available at 255-4082.

■ **Student injured:** A student swimming in Fall Creek gorge was injured last Friday (Oct. 8) when she jumped from a ledge and hit a submerged rock. Elizabeth Robertson, 18, a resident of U-Hall 2, suffered injuries to both legs. She is a freshman in the College of Arts and Sciences and a member of the women's field hockey team. Robertson and a friend were in the gorge just west of the suspension bridge, Cornell Police said. Ithaca Fire Department rescue squad members reached the accident site using the stairs leading from McGraw Place on the south side of the gorge and carried Robertson out on a stretcher. She was taken by ambulance to Tompkins Community Hospital, where she was admitted. She was released from the hospital Sunday.

OBITUARIES

■ **Jeffrey DeGumbia**, 20, a junior biology major in the College of Agriculture and Life Sciences, died Oct. 8 as a result of injuries sustained in an automobile accident while he was traveling home for fall break.

Also injured was Eugene Chi-Hwa Wu, 19, a student in the College of Arts and Sciences. He was treated at a Newburgh, N.Y., hospital and released after the accident, which occurred on Interstate 84 just west of Newburgh at about 11 p.m. Friday, State Police reported.

The friends, from Southington, Conn., were traveling home when DeGumbia's car apparently went off the road and flipped over. State Police are still investigating.

A memorial service on campus is being planned by the Rev. Richard Murphy. Students interested in participating in the planning should call Murphy at 255-1078 or see him in Room G-15 Anabel Taylor Hall.

■ **Paul J. Chapman**, 53, professor emeritus of entomology at the Agricultural Experiment Station in Geneva, died on Oct. 6.

Chapman served as chairman of the Department of Entomology from 1948 until 1967. He retired in 1968 but remained an active member of the department. His research focused on insect pests of fruit crops.

A memorial service will be held at the Presbyterian Church in Geneva on Friday, Oct. 15, at 11 a.m.

CORRECTION

A story in the Oct. 7 *Chronicle* about two graduates injured during the unrest in Moscow misidentified Dolores Robinson. She is an administrative aide in the Government Department; graduate Julie Brooks was a work-study student in government.

CORNELL Chronicle

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Published 40 times a year, Cornell Chronicle is distributed free of charge to Cornell University faculty, students and staff by the University News Service. Mail subscriptions, \$20 for six months; \$38 per year. Make checks payable to Cornell Chronicle and send to Village Green, 840 Hanshaw Road, Ithaca, N.Y. 14850. Telephone (607) 255-4206. Second-Class Postage Rates paid at Ithaca, N.Y.

POSTMASTER: Send address changes to the Cornell Chronicle (ISSN 0747-4628), Cornell University, 840 Hanshaw Road, Ithaca, N.Y. 14850.

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Cornell University is committed to assisting those persons with disabilities who have special needs. A brochure describing services for persons with disabilities may be obtained by writing to the Office of Equal Opportunity, Cornell University, 234 Day Hall, Ithaca, N.Y. 14853-2801. Other questions or requests for special assistance may also be directed to that office.

To those who walk, ride or drive: Be careful out there!

By Nancy Rosen

On an average day at Cornell, there are about 20,000 pedestrians, 10,000 cars, 5,000 bicyclists and hundreds of buses sharing the campus roads and pathways. It comes as no surprise that amid this congestion, traffic laws are more effective if every person on the road obeys them.

For one, pedestrians must look both ways before stepping into the street, even at a crosswalk. While pedestrians already in a crosswalk have the right of way, pedestrians should not step into crosswalks in front of moving vehicles.

But, in most of the accidents that involve cars and bicycles, illegal bicyclist actions — riding on the wrong side of the road, running carelessly through intersections and night-riding without lights — are the main cause of many accidents, said Lois Chaplin, a Cornell Cooperative Extension associate involved with bicycle safety efforts.

Signs and markings with white, yellow and red diamonds have been posted by Transportation Services to indicate paths that are for bicycles only, paths on which bicyclists must yield the right of way to pedestrians, and paths on which bicyclists must walk their bikes.

"When we designate an extremely congested area as a dismount area, we make another site a shared pathway to give cyclists a chance to avoid having to walk their bikes for extraordinary long distances," said David Lieb, communication and training coordinator for Transportation Services.

Cyclists are part of vehicular traffic and must obey all the rules, including stopping fully at stop signs, riding with traffic and signaling before making turns. Ideally, cyclists should make their intentions known to pedestrians by making eye contact or verbally warning them of their intentions.

"Generally, people got the 'shove down the driveway bicycle training' when they were youngsters, without any thought to giving handling skills and orientation rules to be a safe member of the traffic community," Chaplin said.

"No doubt that there is a lot to be done to get more cyclists to be considerate. However, from the eyes of those of us who are cycling responsibly, there are problems with pedestrians and joggers who disobey traffic laws by walking or running on the right side of the road instead of facing traffic, for instance," Chaplin added.

Moreover, those involved with bike policy are trying to create environmental awareness among cyclists. Lieb said that an ecology alert has been placed on all-terrain bikes,



Sharron Bennett/University Photography

Jan Talbot (left), director of health education at Gannett Health Center, helps fit a bicycle helmet on College of Arts and Sciences student Shin Ru Lin. Gannett has helmets available for \$25.

which are tearing up lawns and landscaping. He urges cyclists to be careful and to stick to the road, where practical.

Both Lieb and Chaplin stressed that cyclists should be encouraged to ride and should register their bicycles. The more cyclists are accounted for, the better Transportation Services can lobby the university for provisions such as bike lanes to be added to renovated streets.

The key is for pedestrians, bicyclists and motorists to behave in a predictable manner. To be a safe cyclist:

- Always wear a properly fitted helmet. Gannett Health Center has helmets available for \$25.
- Deter theft by registering bicycles and locking them.
- Always wear light-colored or neon clothing. Although night-bicycling is not recommended, headlight, taillight and reflectors are vital and are required by law.
- Scan the roads for hazards such as potholes and drainage grates. Identify hazards in time to avoid them, and ride with your hands on the brakes.

University helped establish local Suicide Prevention group

By Susan Lang

Every minute, an American attempts suicide. Some 30,000 to 100,000 succeed, leaving more than 3.1 million loved ones behind struggling to understand. The Cornell community is not exempt from the helplessness, depression and loneliness that may lead to suicidal thoughts or the grief that lingers among suicide survivors.

To lend a trained and supportive ear everyday around-the-clock, Suicide Prevention and Crisis Service (SPCS) of Tompkins County takes some 10,000 calls a year to a hot line number — 272-1616 — including an estimated 1,000 to 2,000 calls from Cornell students, faculty or staff.

"People call about all problems of life from family, work and relationship issues to addiction, loneliness and sexual difficulties," says Nancy Rosen, executive director of SPCS, a United Way-funded agency. "About 10 percent of the callers are struggling with suicidal thoughts; the other 90 percent are seeking help when life feels too tough to deal with alone."

Each of the 60 volunteer counselors who

pick up calls, many of whom are Cornell students, faculty or staff, has some 55 hours of training and apprenticeship before he or she may staff the phones.

Suicide Prevention serves as backup for mental health crises on campus when Gannett Health Services is closed; and it conducts trainings and educational outreach on campus about once a month to help people recognize the signs of despair and impending crises and how to help.

SPCS also offers "postventions" and an After-Suicide Support Group. The postventions are one-time gatherings with survivors of a traumatic death — a suicide, homicide, accidental or sudden death — to help the survivors deal with the powerful repetitive images that may linger and interfere with grieving, and to foster the process of "picking up the pieces" left by the death, says postvention coordinator Kris Bertelsen.

Bertelsen also leads the support group which meets twice a month and usually has one or more Cornell-affiliated persons participating. It provides an opportunity for survivors of suicide to grieve and share their experiences with others.

But the Cornell connection is a two-way street. SPCS was actually founded by a group of Cornell people, spearheaded by the Rev. Jack Lewis, former director of Cornell United Religious Work, after a rash of suicides in 1968. Ever since Suicide Prevention's founding 25 years ago, members of the Cornell community have continued to help staff the service. Today, some 23 faculty, staff and students are among the cadre of trained volunteers.

"SPCS helps people when they really need it, and the service works, it really works," says Randy Hausner, a lieutenant with Cornell Police, who is currently serving on the board of directors of SPCS. He also participates in postventions and helped found the Cornell postvention counterpart, the Cornell Assistance Team, which helps



Sharron Bennett/University Photography

Randy Hausner (left), a lieutenant with Cornell Police, and Christian Boissonnas, director of central technical services in Olin Library, volunteer with Suicide Prevention and Crisis Service of Tompkins County.

employees deal with the sudden death of colleagues. "What I get back is knowing that I helped lighten the load for someone beginning the process of getting on with their lives after a traumatic death."

Cornell has also supplied SPCS with the reference guide *Talking with the Caller: Forty-Plus Guide Sheets for Crisis Line Volunteers*. Education Professor Jason Millman helped head a five-student team last year that distilled volumes of research into a concise guide of "do's" and "don'ts" for crisis-line counselors.

"The guide sheets help volunteers make good on-the-spot decisions when they need guidance in dealing with different problems," explains Millman, who has been active with SPCS for eight years and now is a member of the board. The guide covers topics from depression and loss, mental illness, and emergency procedures for rescue, to domestic violence, sexual assault and drug overdoses, as well as how to deal with drunk, abusive and even silent callers.

"SPCS kind of grows on you," muses

Christian Boissonnas, director of central technical services in Olin Library, who has been volunteering with the organization for about a decade and now serves on the board. "It is one of the few agencies to deal with problems before anybody else recognizes there is a problem. I like that kind of action."

Funded agencies

United Way agencies serve the special needs of your friends, neighbors and co-workers by offering a variety of outreach efforts. The Alcoholism Council, for example, is a crucial health service that provides counseling, education and referrals for residents throughout Tompkins County. Thanks to your donations, United Way's investment in this service has more than tripled since 1980. Funded agencies include:

- Alcoholism Council.
- Human Services Coalition.
- Neighborhood Legal Services.
- Offender Aid and Restoration.



TRUSTEE/COUNCIL WEEKEND 1993

Undergraduates tell of their research projects and of their work

Pregnancy, cancer, production methods are study topics

Seven alumni lunched over tuna salad, artichoke hearts and chilled pasta salad Friday afternoon as they listened to descriptions of a cure for cancer, how to stop prematurity and why a German automaker is successful.

At lunch in a Statler Hotel meeting room, three undergraduate students in the College of Arts and Sciences described their research projects, how they got involved with them and why they came to Cornell.

Semil Mehta, senior chemistry major, was blunt. "We're inventing a new cancer therapy," he said. Indeed, the work he is doing with chemistry Professor Bruce Ganem — itself the topic of a presentation later Friday — is aimed at designing a drug that slows the growth of cancer cells.

"We synthesize the drug here and then I take it to the Medical College to test it in biological systems," Mehta explained, adding that it was not just fanciful stuff: "We're expecting a new drug to come out of this."

Bidemi Olaniyi, a sophomore biology major, said she was looking for research work when she came to Cornell. She works with Dr. Peter Nathanielsz in the Laboratory for Pregnancy and Newborn Research in the College of Veterinary Medicine.

"Basically we're trying to find out what the role of a fetal hormone is in the maturation of the fetal brain," Olaniyi said. "For



"We're inventing a new cancer therapy," Semil Mehta, a senior chemistry major, told trustees and Council members. The work he is doing with Professor Bruce Ganem is aimed at designing a drug that slows cancer cell growth.

me, the question is, how can we help humans? We want to be able to know what the inputs are, what causes maturation? If we can know the chemical rate of a normal pregnancy, we will be able to combat an abnormal pregnancy."

Olaniyi came to Cornell because "I wanted a good science background, and I knew there were research opportunities here," she said.

Hans Henkes, a senior government major, described his research under Professor Peter Katzenstein to compare two German

automakers and why one survived and one did not after World War II. "Basically, both had good product lines and used flexible production," he said. BMW, however, established good government relations, securing government and military contracts while its rivals did not.

He concluded, "Flexible production is not a solution to combating markets. You have to have the facilities and resources as well."

Even before the black forest cherry cake, the diners were impressed.

—Larry Bernard

Jobs help pay the bills and offer lessons

At Saturday's annual admissions breakfast on students working their way through college, several students attempted to give alumni a better understanding of work opportunities at Cornell. The breakfast is a part of Trustee/Council Weekend and is sponsored by the Committee on Admissions and Financial Aid.

Several graphs exploring the demographics of working students were available to alumni who were also able to get information from various students attending the Statler Hotel function. Staff members were on hand to answer questions, as well. Ed Butler, chair of the Committee on Admissions and Financial Aid, Donald Saleh, director of financial aid, and Dennis Chavez, director of student employment, spoke briefly to alumni about the merits of Cornell's student work force and then introduced the real pros on working students: the students themselves.

A panel of four undergraduates shared their work experiences with alumni and answered questions afterward. Staci Tubbs, a biology major and employee of Banfi's explained that, as a captain, she has learned how to motivate people her own age and keep them moving. She believes that her experience at Cornell gives her "a good chance of being a good worker for someone else" once she graduates.

Rhodes seeks *continued from page 1*

year earlier that Rhodes announced an endowment gift from Board Chairman Stephen H. Weiss to honor outstanding teachers as Weiss Fellows. It was also last fall that Provost Malden C. Nesheim announced that he would not consider tenure nominations unless the file demonstrated rigorous evaluation of teaching as well as research.

To both audiences, Rhodes appealed for help in countering public skepticism "with the best antidote — careful elaboration and exposition of what we do on campus."

He made clear that he was not talking about empty promotion. Rather, faculty and everyone involved in Cornell must reaffirm and live by three propositions:

- That scholarship is a public trust, "supported by the grace and good will of the public."
- That service is a societal obligation, not only the extension mission implied in the practical vision of Ezra Cornell but also the service returned to society by our graduates.
- That teaching is a moral vocation, affecting not just the mind but also the character and will.

Since public mistrust is fanned by the exaggeration of a few exceptional instances of misconduct or faculty and administration indifference, it can be combated, Rhodes suggested, by recommitment to these propositions and by telling the public how today's universities actually function.

Part of that message, he said, must be that — while we must continue to seek efficiencies — "a hand-crafted Cornell education" is an incomparable investment that "does not come cheaply."

Beyond concerns about public perception, Rhodes said, three budget-related concerns are likely to be long term:

- Health-care benefits for employees and financial-aid needs of students continue to increase at rates far above general inflation.
- The relative level of state support, "over the past five or six years," has been declining. There has been an absolute reduction in some critical universitywide areas.
- There is steady erosion of the base on which the federal government reimburses Cornell for the indirect costs of doing re-

search, and there's more competition for federal support for science and technology.

He noted the Clinton administration's recent decision to build a major physics research facility, the "B-factory," at Stanford University rather than at Cornell was a "matter of regret and bewilderment." Peer review had established, he added, that either university could have performed effectively, and the Stanford plan would cost more than \$100 million more than Cornell's.

In general, he said, federal support for science is declining while public expectations are rising — along with politicization and direction from the federal government.

At a session of the board that afternoon, the dean of the faculty, Peter Stein, said that many faculty felt "a sense of disquiet and worry about the future" because of the effects of such changes in Washington.

Some 300 of the trustees and Council members had a chance to voice their views on national and campus issues during small-group discussions held from 10:30 a.m. to noon on Friday. The sessions, in the Statler or the Theory Center, were each guided by

a trustee and an administrator or faculty member and were intended to infuse alumni thinking into the current strategic-planning process. In the session led by Nesheim, for instance, suggestions touched on the draft mission/values statement itself, the potential for computers and other technology to discourage community, and the difficulty of promoting mixing among Cornell's richly varied groups of students.

Mort Lowenthal, a 1954 graduate of the College of Engineering, favored a mission statement with a more practical sound; Al Aragona, a 1963 Hotel Administration graduate, said that if we are "educating the leaders of tomorrow," we should have measurable means of explaining how.

Alice Katz Berglas, a 1966 Arts and Sciences graduate, cited Rhodes' earlier comments about the need for more positive university "citizenship" and said students should somehow be instructed in Cornell's history and traditions.

Carol Mead, a 1959 arts graduate, worried that students "are losing the ability to work together," partly because things once

accomplished through waiting in lines or other human interaction — such as registration in Barton Hall — can often be done at one's own computer screen. Chauncey F. Jones, a 1977 graduate of Architecture, Art and Planning, said advances in technology should be instruments only — "helping you get certain things quicker, so you have more time to take things from the community of people."

There was consensus that it would be better if there were more mixing among students of different backgrounds, though there was no clear sense of how to achieve that.

Berglas said her friendships as an alumna are more reflective of Cornell's diversity than were her student friendships and added that students can't get to know each other unless they live together. Barbara Benioff Friedman, a 1959 arts graduate, wondered if all freshmen might not live on the "same campus," and Aragona and George T. Schneider, engineering 1959, questioned whether freshmen should not get more direction — and less free choice — in deciding their rooming arrangements.

Campaign update

Trustee Harold Tanner, co-chair of the campaign to raise \$1.25 billion by the end of 1995, reported that, as of Sept. 30, the total had reached \$920 million.

As of the end of June, the campaign had received 181 gifts of between \$1 million and \$25 million and 871 of between \$100,000 and \$1 million.

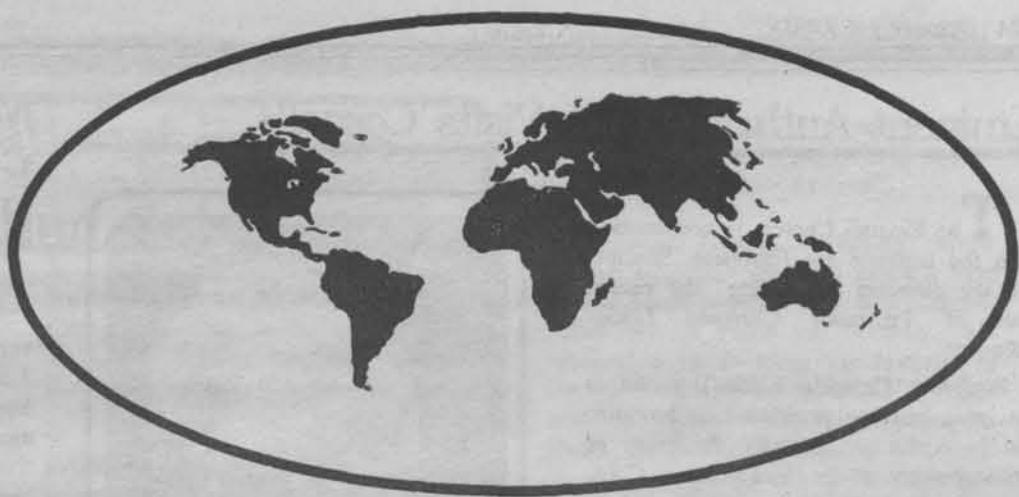
While progress is strong on building the overall endowment — with \$294 million of the \$595 million goal already reached as of June 30 — President Frank H.T. Rhodes noted the need for stronger results in the areas of endowing positions and endowing funds for building renovation.

As for the goal of \$175 million in new endowment for student financial aid, Tanner said it was 59 percent achieved and announced a new, anonymous \$12 million challenge grant that would match aid-endowment gifts of \$30,000 or more.



President Frank H.T. Rhodes (right) stands with Dean of the Faculty Peter C. Stein before Rhodes delivered his State of the University Address to the faculty.

Cornell International News



published by the Mario Einaudi Center for International Studies

Volume 4, Number 1, October 14, 1993

Cornell Professor Joins Clinton Administration



Lawrence Scheinman

Lawrence Scheinman, Professor of Government (International Law and Relations) and Associate Director, Peace Studies Program will be joining the Clinton Administration as Counselor for Nonproliferation in the Department of Energy. This will be his third tour in government since coming to Cornell in 1973. His previous service has been as Head of the Office of International Policy Planning in the Energy Research and Development Administration (successor

organization to the Atomic Energy Commission) and as Principal Deputy to the Deputy Undersecretary of State for Security Assistance, Science and Technology during President Carter's tenure. He also served for two years as Special Assistant to the Director General of the International Atomic Energy Agency in the late 1980s and in 1992. In his new role he will be charged with developing overall strategy and guidance for the Office of Intelligence and National Security which is responsible, among other things, for directing the development and coordination of DOE policies, positions and procedures in matters related to arms control, nonproliferation, export control and international safeguards, and for representing the Department of Energy on these matters in the interagency policy process. Scheinman has been asked to give direction and guidance to integrate the activities of the divisions for nonproliferation matters.

Nonproliferation has always been a matter of great importance in United States foreign policy, and one in which Washington has historically played a leading international role. In the aftermath of the Cold War, with the weakening of bipolarity, reduced major power interest in regional politics, the break-up of the Soviet Union and the nuclear issues that breakup has raised, nonproliferation has taken on greater significance and been moved by President Clinton to an even higher place on the US foreign policy agenda. The discovery by IAEA and United Nations inspectors of a substantial clandestine nuclear weapons development program in Iraq in the course of implementing the UN Security Council cease-fire resolution despite Iraq's treaty commitments not to develop nuclear weapons has raised questions about the adequacy of the nonproliferation regime. International safeguards and national and multilateral export controls have come under critical scrutiny, as has the quality and use of intelligence data. A significant effort has been underway for the past two years to strengthen and reinforce the nonproliferation regime, and to ensure that its legal, political and normative anchor, the Nonproliferation Treaty, is extended when its parties meet in 1995 to consider its extension. Scheinman remarked that for a long time he felt that there would not be another occasion as significant for nonproliferation as the time when he had been fortunate enough to be in government, but that the extraordinary events of the last several years have set the stage for a new and even greater nonproliferation challenge, this time engaging not only nuclear weapons, but other weapons of mass destruction as well. He believes that we have an opportunity now to make some real advances in controlling these weapons, but that as before, perseverance, political will, and a healthy dose of luck will be critical to a successful outcome. Now, more than ever, he says, US leadership is essential; and now more than ever, imaginative and bold strategies are needed. Scheinman is excited and now, more than ever, imaginative and bold strategies are needed. Scheinman is excited by, and grateful for the opportunity to participate in the effort to shape a new and stable order in which weapons of mass destruction might hopefully play a much diminished role and be subject to decreasing legitimacy.

Cornell's Global Initiative

At the request of President Rhodes, Alison Casarett is spending this year examining opportunities for extending Cornell's international connections in what she is referring to as the "Global Initiative". This arises from the long time vision of President Rhodes for Cornell to be a "Global University" or, more dramatically, the Land Grant University of the World. In its broadest concept this would mean that the Cornell educational environment would be expanded to include study, research and extension activities with universities abroad on almost an "open campus" basis. It would provide our students and faculty the opportunity to live and work in an international environment and prepare students to enter an international workforce. At the same time, there would be opportunities to enhance our public service and strengthen cooperative research programs as well as to strengthen relationships with our international alumni network.

Dr. Casarett retired as Dean of the Graduate School this summer after fourteen years and brings to this new assignment considerable international experience. While Dean, she was responsible for exchange programs with The People's Republic of China, administered the Provost's South African Initiative, and traveled internationally for the Institute for International Education and the African American Institute as well as for Cornell. This spring she visited universities in China, Australia and Russia in preparation for her new position as "Special Assistant to the President for Globalization."

The first step that Casarett is undertaking in her new assignment is to identify institutions around the world where Cornell already has active or potentially active research collaboration, or where faculty or staff are involved in teaching, consulting or advising activities. A number of these sites will be selected to explore possibilities for expansion of Cornell's relationships to include increased exchange of graduate students, encouragement of additional joint projects including opportunities for junior faculty to become involved in collaborative research, facilitated sabbatic arrangements for

continued on page 4

Giuliano Amato to Visit Cornell

Former Prime Minister of Italy, member of the Italian parliament and professor of constitutional law at the University of Rome, Giuliano Amato will visit Cornell on Monday, November 15th. Professor Amato has been a member of the Italian Socialist Party (PSI) since 1958 and a member of its central committee since 1978.

Professor Amato is the author of numerous books on political institutions and political thought as well as articles for newspapers and magazines. During his career he has dealt with the political institutions, government agencies and the economy, issues of civil rights and public policy. In 1983, after conducting research in Washington, D.C., he published a book on the welfare system in the United States.

Professor Amato was elected to the Italian Parliament in June 1983 and re-elected in 1987 and 1992. He served as Under-secretary to the Presidency of the Council of Ministers from August 1983 to March 1987 in the governments led by Mr. Craxi. From 1987 to March 1988 he was Vice-President of the Council of Ministers and Minister of the Treasury under Prime Minister Gorla. In the following government he was Minister of the Treasury.



Professor Giuliano Amato

*photo courtesy of
Institute for European Studies*

From 1989 to 1992, Professor Amato held the position of Deputy-Secretary of the Italian Socialist Party. In 1992 he was appointed Prime Minister, a position which he held until April 1993.

Professor Giuliano Amato
will give a public lecture
on Monday,
November 15, 1993
Kaufmann Auditorium,
Goldwin Smith Hall,
4:30P.M.

Professor Amato's visit to Cornell is sponsored by the Mario Einaudi Center for International Studies and by the Institute for European Studies.

Any inquiries about Professor Amato's visit should be addressed to Gail Holst-Warhaft at the Institute for European Studies, 120 Uris hall, 255-7592.

Eminent Anthropologist Visits Cornell

The Einaudi Center, in conjunction with the Institute for European Studies, had the pleasure of hosting the recent visit of Professor Carmelo Lisón-Tolosana.

Professor Carmelo Lisón-Tolosana is the most eminent practicing anthropologist in Spain. Currently Professor of Anthropology at the Universidad Complutense de Madrid, he has served in that capacity for more than 2 decades. He also served as chair of the Department of Anthropology and guided its development as the first large, comprehensive anthropology department in Spain.

Professor Lisón-Tolosana has served as a visiting professor at Oxford University, University of Manchester, Sussex University, the Sorbonne, the University of Rome, la Universidad Estadual de Campinas, Brazil, la Universidad de Chile, Santiago, and the University of Florida at Gainesville. He has lectured at universities and symposia in Belgium, Chile, China, Cyprus, Denmark, France, Germany, Greece, Italy, Japan, Macao, Mexico, Poland, Portugal, and at numerous U.S. universities.

He has two doctorates, one in Social Anthropology from Oxford University and the second, with highest honors from the Universidad Complutense de Madrid. He also has received prestigious academic awards. He is the first anthropologist ever elected (1990) to the Royal Academy of Moral and Political Sciences of Spain. He was also awarded the status of Officier dans L'Ordre des Palmes Académiques, is an Honorary Fellow of the Royal Anthropological Institute of Great Britain, and was just awarded the Aragón Prize in the Social and Human Sciences.

Professor Lisón-Tolosana has published 15 books to date, the first in English, *Belmonte de los Caballeros: A Sociological Study of a Spanish Town* is a



Carmelo Lisón-Tolosana

photo by
David Lynch-Benjamin

much reprinted anthropological classic. His books deal with the ethnography of Aragón and Galicia, the social anthropology of Spain, social anthropology in general, hermeneutics, witchcraft, ritual behavior, and anthropological approaches to history. His work is particularly notable for the combination of finegrained ethnography and careful historical reconstruction. He also has edited four books on Spanish anthropology and published more than 40 articles.

In addition, Professor Lisón-Tolosana has been an active force in the organization of 2 well-known series of symposia entitled, "Jornadas de Antropología Social" (a total of 17 so far) on the anthropology of Spain, as well as other conferences.

His doctoral students now hold key positions at many major Spanish universities and he has also been an active promoter of younger anthropologists who were not his students but whose work he admires.

MERRILL PRESIDENTIAL SCHOLARS CHOSEN, PROFESSORS/TEACHERS HONORED

by Laurie Damiani

Merrill Presidential Scholars are a very rare breed. Selected from some 3,650 seniors, this year's group of 35 Merrill Presidential Scholars ranked among the top 5 percent in their respective schools and colleges. They were chosen for their outstanding academic achievement, energetic leadership abilities, and their ability to contribute to the betterment of society. In a ceremony at Cornell on May 26, 1993, President Frank H.T. Rhodes, the Deans of the schools and colleges, parents, and friends honored this distinguished group of graduates and their teachers.

Two Merrill Presidential Scholars from the class of '93 chose East Asia Program faculty members as the individuals who most influenced their academic careers. Jennifer Smith selected Kyoko Selden (Lecturer, Department of Modern Languages and Linguistics); Benjamin L. Read selected Sherman Cochran (Professor of History). Both Selden and Cochran are former recipients of the Clark Distinguished Teaching Award for excellence in teaching.

Jennifer L. Smith (B.A. '93, Summa Cum Laude) first became interested in Japan during the summer of 1988, when she spent two months living with a host family near the ancient capital of Nara, under the auspices of a Youth for Understanding Japan-U.S. Senate Scholarship. Her experiences in Japan and her penchant for languages resulted in a double major in Linguistics and Asian Studies at Cornell. Although fascinated by many aspects of Japanese culture, her preferred area of study was Japanese history, particularly the history of Japan prior to the ninth century. Jennifer also explored many of the major subfields of linguistics

and wrote her senior honors thesis on "Analogical Change in the Japanese Verb Gerund." Under the sponsorship of a Japanese Ministry of Education fellowship, Jennifer is on her way to Japan for 18 months, where she will immerse herself in the language and continue her studies at a university. If time permits, she hopes to take up traditional music and calligraphy teaching at the university level.

Benjamin L. Read, (B.A. '93, Magna Cum Laude) learned his first Chinese words in 1982. As a sixth grader fresh off the airplane for a year-long stay in Beijing, he was enrolled in Fang Cao Di, a local elementary school in the city's embassy district. His interest in China resurfaced seven years later, as he began pursuing a B.A. in Asian Studies at Cornell.

Read chose as his senior thesis topic two Chinese magazines which were shut down by the government following the 1989 violence: Beijing's *New Observations* and Shanghai's *Encounter Monthly*, which probed the outer reaches of political reform and artistic ferment. Sherman Cochran's course in Chinese history and Vivienne Shue's course in Chinese politics particularly piqued his interest; both Cochran and Shue served as his thesis advisors, along with Tom Moran (Asian Studies).

He returned to China in the summer of '93 to work as an intern in the Beijing bureau of the *New York Times* (just a few blocks away from his old school, Fang Cao Di), where he conducted interviews and helped to research and edit a book. Read is now teaching English in Beijing and pursuing his interests in linguistics, literature, Chinese history, and journalism.

Program on International Science and Technology

"Highlights of Some Initial Steps to Enhance Opportunities for International Study by Scientists and Engineers at Cornell."

by Thor Rhodin,
Associate Director

This article reports some recent efforts towards developing educational opportunities associated with international study for Cornell undergraduates in science and engineering. Features of a four-prong effort towards this goal are:

- (1) Documentation and dissemination of information on options and resources for undergraduate scientists and engineers.
- (2) Coordination with the Engineering College International Committee and the Engineering COOP Program to promote international study options in engineering, the University Cornell Abroad Program and the New York State Cluster.
- (3) Evaluation of the current features of electronic technology and computer networking and their impact on enhancing long distance international education.
- (4) Preparation of a funding proposal for a major initiative in the education of scientists and engineers with a strong international component.

Efforts to implement these objectives initiated during the past year are noted below.

1. A New Educational Initiative.

An urgent challenge exists to enhance the preparation of scientists and engi-

neers to play an important role in a global world.

The writer together with colleagues at Cornell and institutions in New York State are preparing a proposed educational initiative in international science and engineering with the following objectives:

- (1) National workshop to develop a consensus on the basic function of science/engineering study abroad, on the role and support of students and faculty committed to this objective and, in general, to design a more effective approach on how institutions directed towards international education in science and engineering may coordinate their faculties and resources.
- (2) Regional discussion seminars to analyze specific themes centered on for example: curricula development, language proficiency, student aspirations and interests and the cultural/professional balance.
2. Task Force on Video Education.

It is generally considered that electronic technology will play a major role in distance education. Combined with computer networking, the electronic classroom of the future offers substantial benefits in expediting international education.

The writer is evaluating the implications of this approach to science and engineering education from the viewpoints of academic applicability, technical appropriateness and financial feasibility. One effort involves cooperation with a task on video communication chaired by David Lambert/David Watkins. This task force on video communication is particularly concerned with evaluating different approaches under exploration by other educational institutions, developing a sys-

tematized description of existing technologies and documenting the relevant technical resources at Cornell.

The capabilities of low-cost two-way instructional teleconferencing using video-computer transmission has been significantly advanced by a recent CIT-development referred to as Cornell CU-See Me. Efforts are under way to demonstrate international video teleconferencing using this approach via the Internet interface with the Cornell Abroad Program in Hamburg, Germany. It is also proposed to evaluate a research-oriented application by a small faculty group utilizing the unique resources housed at the Archives of the Indies, Seville, Spain.

It is premature now to predict what specific form electronic technology and computer interfacing will take at Cornell but international education in science and engineering is one area where a major potential impact exists and where developments are being closely followed.

3. Work Study Options in Japan and Germany.

Relatively few Cornell science and engineer undergraduates are now provided with the option to have a work study experience.

Three difficulties which inhibit participation by Cornell undergraduates in these opportunities are; a rudimentary language proficiency, lack of information on what is available and how to qualify. Networks of study options are being developed in Japan and Germany which satisfy in part these difficulties for specially qualified scientists and engineers in their junior and senior years.

A data base with detailed information on

the characteristics of each option is being prepared to be made available at the Cornell Abroad Office, 474 Uris Hall. Each situation presents detailed requirements which require a careful fitting between the student and the option in each case. This is particularly pertinent in the early stages of the program when initial relationships are being established.

The Engineering College COOP program provides the opportunity for many Cornell engineering undergraduate students to spend at least one term working in the USA at an industrial, government, national laboratory or university job during their junior year without interfering with matriculation towards the bachelor degree. The domestic program has been very successfully received by both the students and the employers.

The opportunity is now being developed for well qualified students to have a similar opportunity abroad where the benefit of an international experience would be added to the hands-on beneficial experience of the domestic program. Such opportunities need to be carefully worked out with each employer and current options for international relationships are limited. Nevertheless, it promises to be a valuable addition to the opportunity for international study offered to Cornell engineering and science students in the long run.

The above items are three examples of recent efforts being developed at Cornell with the support of the Einaudi Center to enhance international study for undergraduates in science and engineering.

East Asia Program

Choi, Song Chon, Director General, Ministry of Labour, Republic of Korea. (Labor relations and the labor market in the U.S.)

Crissman, Lawrence, Director, Australian Centre of the Asian Spatial Information and Analysis Network, Griffith University, Australia. (Analysis of attribute data, such as census materials for East, Southeast, and South Asian countries.)

Feng, Guang-Ming, Associate Professor, Hubei Academy of Social Science, PRC. (Chinese regional science and economics.)

Ka, Chih-ming, Associate Research Fellow, Institute of Ethnology, Academia Sinica, Taiwan. (Agricultural development in Taiwan.)

Kume, Ikuo, Associate Professor of Political Science, Faculty of Law, Kobe University, Japan. (Changes in Japan's industrial relations system.)

Reynolds, Bruce, Professor of Economics, Union College, Schenectady. (Economic growth in East Asian societies.)

Sakata, Yukiko, Associate Professor of Food Science, Kyoto Women's University, Japan. (Nutrition in the U.S. and Japan: a comparative study.)

Shimizu, Sayuri, Assistant Professor of History, Toyo Eiwa University, Japan. (U.S.-Japanese diplomatic and economic relations.)

Terasaki, Etsuko, Former Assistant Professor of Japanese Literature, Cornell. (Textual interpretation of early plays in the Japanese Noh theatre.)

Visiting International Fellows, Professors and Scholars

Wang, Rong, Deputy Director, School of Economics, Yunnan University, PRC. (Regional and historical aspects of industrialization in China.)

Wong, Kam-ming, Professor of Comparative Literature, University of Georgia. (Anthologies of Chinese women writers.)

Zhang, Xiaotao, Lawyer, Zhongshan Law Office, Nanjing, PRC. (The impact of economic reform on China's legal system.)

Rudden, Bernard A. - Professor of Comparative Law & Fellow of Brasenose College, Oxford, England. Professor Rudden is teaching Comparative Law.

Scholars:

Kubo, Masahito - Himeji Dokkyo University, Hyogo, Japan

Park, Jongyeon - Judge at Kanggyoung Brank of Daejeon District Court, Kanggyoung, Chungnam, Korea

International Development and Women

Barazangi, Nimat Hafez - Visiting Fellow specializing in the education of Muslims in North American Islamic/Arabic education, and adult and community education. She is currently conducting research on the education of Muslim women. Dr. Barazangi is also collaborating in a Participatory Action Research project on literacy and women's development with the Pakistan Association of Adult Education. She can be reached through campus mail at 391 Uris Hall.

International Legal Studies

Cripps, Yvonne M. - Fellow Tutor and Director of Studies in Law, Emmanuel College, Cambridge, England. Professor Cripps is teaching Law, Science & Technology.

Oda, Hiroshi - Sir Ernest Satow Professor of Japanese Law, University of London, England. Professor Rudden is teaching Comparative Law.

Latin American Studies Program

Kaarhus, Randi - research fellow at the Norwegian Institute for Urban and Regional Research, Visiting Fellow in the Latin American Studies Program. While in residence, she will conduct research on agricultural planning and environmental concerns in Ecuador from a social anthropological perspective. This is part of a comparative study of agricultural policies concerning erosion in Ecuador and Norway. Her office will be in G02H, Uris Hall.

Peace Studies Program

Arata, Ryohei - of the Ministry of International Trade and Industry (MITI), Tokyo, Japan, will be a Visiting Fellow through March 1994. He is interested in United States high-technology development policy and the industries concerned, especially related to space.

D'Amico, Francine - Visiting Fellow through the end of June 1994. She will be collaborating with Judith Reppy and Mary Katzenstein on the project on "Institutional Change and the US Military:

The Changing Role of Women." She has taught at Ithaca College and at Hobart & William Smith Colleges.

Derluguian, Georgi - Visiting Fellow for the academic year and holds a MacArthur-Social Science Research Council Fellowship on Peace and Security. He received a Ph.D. from the Institute of Universal History of the USSR's Academy of Sciences, and his interests include the political economy of ethnic cleansing in the the Caucasus of the former Soviet Union. He will be involved with the ethnicity discussion group at Cornell.

Gagnon, Jr., Valere Philip (Chip) - Visiting Fellow through August 1994 and comes to Cornell with a MacArthur-SSRC Fellowship. He will participate in the program's ethnicity discussion group and will be working on a project dealing with ethnicity and international conflict in Yugoslavia.

Pilat, Joseph - a Senior Staff Member at the Los Alamos National Laboratory, is with the program for the 1993 calendar year. He is also a Visiting Professor with the Department of Government. His research interests include the future of the Nonproliferation Treaty, post-Cold War international security, and the impact of new technologies on the security environment.

All of the Peace Studies Program visitors have offices in Uris Hall.

Southeast Asia Program

Coumans, Catherine R. (Rineke) - Post-doctoral Fellow in Anthropology, McMaster University, Hamilton, Canada; for research on "Basic Christian Communities: Changing Local Level Power Relations in the Philippines," July 1993 - 30 June 1995.

Jedamski, Doris - Tutor at the Universities of Hamburg and Bremen, Department of History, Germany; for research on "The Conflict between Literary Genres in Indonesia: a Comparative study on the educational novel and the crime story." February - August 1994.

Sung-Joo, Kim - Professor of Political Science, Sung Kyun Kwan University, Seoul, Korea; for research on "The Political Systems and Political Changes of Southeast Asian countries, Vietnam and Cambodia in particular;" March 1994 - February 1995.

Kudo, Takashi - Assistant Director, Economic Cooperation Department Keidanren (Japan Federation of Economic Organizations), Tokyo, Japan; for research on "Japan-Southeast Asia Relationships;" July 1993 - July 1994.

Tai Can, Nguyen - Professor of Minority Languages, Institute of Linguistics, Hanoi, Vietnam; for collaborative research with Cornell Professors Gerard Diffloth and Keith W. Taylor, under a Luce Foundation grant for a study of "The History of Mon-Khmer and Chinese Elements in the Vietnamese Language;" September - November 1993.

Rose, Mavis - Lecturer in Theology, Brisbane College, Australia; for research on "Environmental Programs in Indonesia;" September 1993 - February 1994.

Chee-Kiong, Tong - Department of Sociology, National University of Singapore; for research on "Ethnicity and Ethnic Relations in Southeast Asia;" July - September 1993.

Rotary Scholarships

The Rotary Foundation of Rotary International awards several types of scholarships for students from 172 countries to study in other countries where Rotary Clubs are located. The scholarships are designed to further international understanding, and the recipients are expected to act as good will ambassadors.

Currently there are eight (8) Rotary Foundation Scholars studying at Cornell. They are from Australia, Egypt, Ger-

many, India, Italy, Japan, Korea, and the Netherlands.

In addition to undergraduate and graduate scholarships, the foundation offers Vocational, Teacher of Handicapped and Journalism Scholarships. Another program offered only to applicants from developing countries is the Freedom from Hunger Scholarships, which provides support for up to two years to obtain an advanced degree in agriculture.

Rotary Scholars receive support for round-trip transportation, all academic fees, room, board, educational supplies, some educational travel, and contingencies.

Application material for 1995-96 scholars is available now. U.S. citizens living in the Ithaca area can obtain this material at the Einaudi Center, 170 Uris Hall.

Rotary Foundation Scholars Meet with Rotarians at the Einaudi Center

Standing L-R: John Kubiak (Ithaca Rotary Club, Einaudi Center), Michael Casey (Australia, Southeast Asian Studies), Prakash Bolar (Indian, Pomology), Ijsbrand Haagsma (The Netherlands, Civil Engineering), Gene Erickson (Ithaca Rotary Club, Rural Sociology), Carl Boothroyd (Ithaca-Cayuga Rotary Club, Professor Emeritus), Karl von Rohr (Germany, Law), Sitting L-R: Sung-Chul Yun (Korea, Plant Pathology), Yukiko Shizaki (Japan, Asian Studies, and Barlow Ware (Ithaca Rotary Club, University Development)

photo by Peter McClelland

Einaudi Professor, Lilia Shevtsova



Lilia Shevtsova

photo by
David Lynch-Benjamin

Over the next six months, Russia will either stagnate for the next year or collapse in the present crisis according to Einaudi Professor Lilia Shevtsova. Victory for either Boris Yeltsin or the

Parliament is unlikely because neither is strong enough, and the resources necessary for compromise have already been used up in previous attempts by Yeltsin or Parliament to control events. Nevertheless, Shevtsova found some reasons for optimism. The crisis of power is perhaps the only way for the Russian people to learn to live without a paternalistic state. The plurality of conflicts makes it difficult for a well defined bipolar conflict to develop, and stalemate prevents the development of an authoritarian regime. All of these factors may make it possible for a new political elite to emerge if elections are held this December.

Shevtsova, who is resident at the Institute for European Studies for the 1993-1994 academic year, is a leading political scientist in the Soviet Union in addition to being a journalist and having contributed to committees studying government reform. As a political scientist she specializes in the domestic and foreign politics of Russia, the Commonwealth States and Eastern Europe. She received her Ph.D. in history from Moscow State University. Currently she is Deputy Director of the Institute of International Economic and

Political Studies, the leading Soviet, and now Russian, think tank in comparative and international studies. She has written several books and numerous articles. Her work has focussed on dilemmas in the development of Soviet society, perestrojka as a contradictory process of reform, possible directions for the development of a multi-party system in Russia, the collapse of communist rule in the Soviet Union and transitions from communism in Russia, its former republics and now states, Eastern Europe and China. She is now completing a book on Russia after the coup of August, 1991.

During the Gorbachev period, Shevtsova became a well-known and influential analyst for leading periodicals and television. In Yeltsin's time she worked as an advisor to the State Council and, as a member of the Presidential team, prepared the legal proceedings taken against the Communist Party. Recently, Shevtsova organized an independent Center for Political Studies in Moscow. In the spring of this year, she was a visiting professor at the Center for Soviet and East European Studies at the University of California at Berkeley. While there, she taught a course on post-Soviet politics. As a political analyst she is frequently invited to lecture at NATO headquarters, the US State Department and other political bodies.

Shevtsova is in residence at Cornell for the academic year as the Luigi Einaudi Chair in European and International Studies. During the fall semester, she is

teaching a course in the Government Department on "Government and Politics of the Former Soviet Union."

by John Oakley

Hilary Ford, New Chair of CIEN

Hilary Ford has been appointed to Chair the Cornell International Education Network for academic year 1993-94. The network's members meet monthly during the academic year to share information and ideas on international activities on campus. Ms. Ford, Assistant Dean, Graduate Student Life, replaces Bea Szekely, Associate Director of Cornell Abroad, as Chair.

SEAP Visiting Professor Jomo K. Sundaram, Fulbright Scholar-in-Residence, Fall 1993

The Cornell Southeast Asia Program and the Johnson Graduate School of Management are pleased to have Professor Jomo Kwame Sundaram of the Faculty of Economics and Administration at the University of Malaya, here this fall under the Fulbright Scholar-in-Residence Program. His previous training includes a B.A. cum laude from Yale; an MPA from the Kennedy School of Government and a PhD degree from Harvard University.

Professor Sundaram is giving two graduate level courses in the Fall term 1993: Asian Studies 601, Seminar on Modern Malaysia, which meets Mondays, 4:30-6:30 pm, at the Kahin Center. It covers aspects of modern Malay his-

tory, the course of the country's economic, political and cultural development, an assessment of current socioeconomic problems, and its international relations.

Cornell students have the opportunity to take a rather unique course, NBA 529, The Business Environment in Southeast Asia, which Professor Sundaram teaches on Mondays and Wednesdays, 9:30-9:35 am, in Room 403 Malott Hall. This latter course is a survey of business conditions and the investment environment in the high growth economies of Southeast Asia, with particular attention to resource endowments, economic, political and social

Lourdes Benería Appointed Director of the Latin American Studies Program

Professor Lourdes Benería was elected to the post of Director of LASP by its core faculty members in June 1993, replacing Billie Jean Isbell whose term ended. She is an Economist whose work in Latin America has focused mostly on Mexico—dealing particularly with issues related to the labor market, the informal sector, decentralization of production, women's work and, more recently, the effect of structural adjustment on households and daily life. Her book (with Martha Roldan) *The Crossroads of Class and Gender: Industrial Homework, Subcontracting and Household Dynamics in Mexico City* (1987) has become a classic for studies dealing with the informal labor market and its links with the formal sector, and household and gender issues. Her research on the social costs of structural adjustment initially focused also on Mexico; more recently, however, her attempt to evaluate the policies of adjustment during the past decade has focused on Latin America as a whole. This work has been published in several anthologies and journals. To carry on this research, she has received grants from The Ford Foundation, the Social Science Research Council, the Wenner Gren Foundation, Rutgers and Cornell University. This research has also been translated into teaching not only at Cornell University but also in Latin America (the Dominican Republic and Honduras) and elsewhere (Canada and Spain); and it has resulted in collaborative work with Latin American researchers and institutions in Costa Rica, Mexico, Nicaragua and Panama. Currently, she is working on a project dealing with global restructuring and the relocation of capital from the U.S. to Mexico, with collaborative work being done with Center for Pacific Studies, University of Guadalajara and with the Autonomous University of Barcelona, Spain.

Global Initiative

continued from page 1

faculty (both directions), and, where needed, better communication between the universities and research groups through e-mail and CU-SeeMe. It is anticipated that it will also be possible to coordinate undergraduate course offerings in order to offer academically integrated programs for participants in Cornell Abroad. Initially, focus will be on the departments or research areas where relationships already exist, but Casarett expects that interest will expand to other departments and activities. After the initial focus institutions have been selected, she will be looking for external funds for seed money to get these networks started.

These arrangements will differ from the more traditional institution-institution agreements which may be arranged without specific plans for collaborative work. Those are often unsuccessful, lacking a base for interactions. Likewise, the proposed plan differs from individual-individual agreements which are limited to a single research project or student exchange. It is anticipated that the proposed agreements will be based on existing inter-institutional contacts with a high potential for expanding into additional activities.

Casarett has expressed cautious optimism about this project and indicates "it is an interesting challenge to undertake this with the conditions which have been imposed, namely that these activities should not divert funds from other activities on campus, they should not interfere with existing activities and they should have educational benefits to faculty, graduate students and undergraduates." The next steps in the "Global Initiative" have not been finalized although there are many interesting possibilities; "any and all suggestions are welcome."

Agricultural Economics faculty to teach program at the University of Agriculture in Nitra, Slovakia

by Olan D. Forker

Faculty in the Department of Agricultural Economics of the College of Agriculture and Life Sciences will be collaborating with colleagues in Slovakia to develop an economic studies institute. The project is funded by a \$491,000 grant from the Andrew W. Mellon Foundation. The Institute of Advanced Economic Studies will be at the University of Agriculture in Nitra, which lies in the heart of the productive agricultural area of Slovakia. Cornell faculty will teach courses at Nitra in applied economics, business management, regional economic development and environmental policy. About 30 fifth-year students at the Slovakian university will participate.

Professor Olan D. Forker of the Department of Agricultural Economics is director of the project. Two or three pilot courses will be offered during spring term 1993. A complete set of course offerings will be presented during the academic year 1994-5. Twelve faculty from Cornell will travel to Nitra to teach. The courses, representing a full academic year

program, will be offered in modules of 5 week duration. An exchange of professional ideas and concepts will occur as Faculty from Nitra assist in the development and teaching of courses. The Cornell International Institute of Agriculture, Food and Development (CIIFAD) is responsible for administration. Larry Zuidema of the International Agriculture Program will assist.

The courses will be designed to familiarize students with western economic thought and western management concepts. In this way it is hoped that the graduating students will be better able to function in a market-oriented economy. As faculty of the two institutions exchange ideas and share teaching, the Nitra faculty will develop new course material. The Cornell faculty will also learn from the experience and will develop a better understanding of the process of economic transformation taking place in Central Europe.

TRUSTEE/COUNCIL WEEKEND 1993

Global managers must create atmosphere of understanding

Trustees and Cornell Council members heard two of their own share the ideas and experiences they have gained working in a global business environment during a Johnson Graduate School of Management seminar on "Issues in Global Management."

Dean Alan G. Merten moderated the question-and-answer sessions that followed presentations by J. Roger O'Neil, M.B.A. '61, and Glenn Sacra, M.B.A. '54.

O'Neil is executive vice president of Statoil Group. Sacra is former vice president of GTE Spacenet International and co-chair of the board of SOVINTEL.

"Business firms today have to be organized internationally," said O'Neil, "and as a result, we have to update our practices."

O'Neil focused his presentation on the inherent complications facing international businesses implementing companywide re-engineering. Citing three main issues, O'Neil said international companies are confronted with differing national laws, the conflict employees see between national company objectives and global company objectives, and cultural differences.

O'Neil stressed the need to create an atmosphere of understanding, adding that global managers must recognize that employees develop a strong identity with their local company and that they have different "value reactions" to conflicts that are endemic to their own cultural background.

The challenge for global managers, O'Neil said, is to mold these cultural differences into a positive, creative force within the global company. "Unless the whole workforce is involved in some integral way," O'Neil concluded, "fundamental change and progress cannot be made."

Sacra, in turn, focused on a discussion of GTE's joint venture in creating a Russian-American international communications business called SOVINTEL. The company's initial goal, he said, was "to become the leading hard currency provider of international voice, fax and data communications for Moscow hotels and businesses."

The critical element of integration was determining how GTE in America could effectively bring their business philosophies to a joint venture in Moscow, Sacra said. To address that vital issue, they created a management team in Moscow, composed of American and Russian managers, both of whom would be actively involved in formulating decisions on major issues.

Sacra noted that one of the initial challenges they confronted was the cultural difference in dealing with the customer. Transforming Russian philosophy on customer service, Sacra said, was a change they were able to make relatively quickly through training and by finding people in Moscow who were ready to initiate such dramatic change.

—Kristin Costello



Peter Morenus/University Photography

William E. Phillips '51 (far right) and President Frank H.T. Rhodes are among those looking on as Rhodes' wife, Rosa, cuts the ribbon to open the Phillips Outdoor Program Center, the new headquarters of Cornell Outdoor Education, at Alberding Field House. Phillips is chair of the Cornell Outdoor Education Advisory Council, a trustee fellow of Cornell and chairman of the board of directors of International Outward Bound. The new 5,500-square-foot center features a classroom, offices and a library, a trip preparation area and an equipment rental center.

Human-oriented agencies fund veterinary research

While veterinary scientists continue to study animal diseases and promote livestock health, most research funding now comes to the College of Veterinary Medicine from human-oriented agencies such as the National Institutes of Health, Dean Robert D. Phemister told a session on "One Medicine." To receive that funding, researchers must show applications of their work to human health funding, the dean said.

The circle is completed, Phemister said, when all animals are the beneficiaries of human-directed research for which they were the animal models. He introduced leaders of three major animal-based research projects at the college.

Dr. Bud C. Tennant, the James Law Professor of Comparative Medicine and director of a \$12 million study involving woodchucks, told how animals that are naturally infected with a closely related virus to humans' hepatitis B have furthered understanding of the disease's treatment and prevention.

Dr. Peter W. Nathanielsz, professor of physiology and director of the Laboratory for Pregnancy and Newborn Research, said animal-based studies of prematurity in infants led to improved techniques that are being reapplied to animals, including horses. At Cornell's equine neonatal intensive care unit last year, 74 percent of the cases survived. "You could say," Nathanielsz said, "that the human baby is the 'animal model' for the neonatal foal."

Also working on a human-equine problem is Dr. John F. Cummings, the professor of veterinary anatomy who made horses with equine motor neuron disease an animal model for Lou Gehrig's disease. Findings in horses may help explain the affliction in humans and also prevent the equine disease, Cummings said. One tantalizing clue is a nutritional deficiency — vitamin B and betacarotene — shared by most horses with equine motor neuron disease, he said.

—Roger Segelken

Creating the next generation of disease-fighting drugs

In a darkened classroom at Baker Laboratory, trustees and councilors donned 3-D viewing glasses for pictures resembling convoluted scrambles of colorful pasta.

The spiraling ribbons in three-dimensional pictures were, in fact, one way of depicting the atomic structure of macromolecules — as determined by X-ray crystallography — that are involved in sickness and of the pharmaceutical agents with the potential to cure.

Only by determining the location and shape of surface receptors — the "lock-and-key" binding sites where the biochemistry of disease occurs — can pharmaceutical scientists design new drugs with the appropriate "keys" to intervene, explained Steven E. Ealick, director of the Macromolecular Crystallography Resource (MacCHESS) at the Cornell High Energy Synchrotron Source (CHESS).

Ealick, a professor of biochemistry, was joined by Bruce Ganem, the Roessler Professor of Chemistry and department chairman, and by P. Andrew Karplus, associate professor of biochemistry, molecular and cell biology, in describing the work of the Cornell Laboratory for Structure-based Drug Design.

Cornell's is one of seven such efforts funded by the National Institutes of Health

and is currently supported with a \$3.31 million grant.

Ganem said the interdisciplinary drug-design program draws on the resources of CHESS, which produces the world's most intense X-rays and has the only biological isolation facility for crystals of hazardous viruses; the Theory Center, with its powerful supercomputers and high-speed network links; and the Biotechnology Program, with its analytical and chemical engineering capabilities.

Compared to two-dimensional pictures, the 3-D images contain so much more information that scientists can virtually crawl inside the macromolecules and try to understand how disease happens, Karplus said. "If we inhibit some of these [disease-causing] enzymes, we can cure disease or kill infections," he said. "We have very good pictures of what these proteins look like; now our job is to design the pharmaceutical agents."

The next time trustees and councilors return, Ealick said, they may not have to watch old fashioned slide shows. The drug-design program is planning large-screen, computer-based "theater" for analyzing the macromolecular structures by researchers. And for illustrating their science to visitors.

—Roger Segelken



Peter Morenus/University Photography

Trustees and Council members voiced their views during small-group discussions. In a session led by Provost Malden C. Nesheim (right), suggestions from Mort Lowenthal '54 and others touched on the potential for computers and other technology to discourage community and the difficulty of promoting mixing among Cornell's richly varied groups of students.

Lecturers tell of innovations in teaching biological sciences

The unsung heroes and heroines of biology teaching at Cornell, the non-faculty lecturers, had a chance to tell their stories in a session hosted by Peter Bruns, professor of genetics who is the director of the Division of Biological Sciences. With more than 1,300 undergraduate biology majors or pre-majors, and with nearly a third of incoming freshmen hoping to major in biology, the demand for introductory classes is met, in part, by the division's 16 lecturers, he said.

One lecturer, Carol Reiss, was quick to share the credit with the division's teaching assistants, both graduate students as well as senior biology majors. But someone has to teach the TAs, she noted, and that's another job for lecturers. One large class, the 750-student introductory biology for majors, has 23 TAs in 44 laboratory sections a week, and the TAs have to know laboratory procedures before they work with students.

Carol H. McFadden, a senior lecturer in physiology, said, "We [lecturers] are fortunate because we can devote 100 percent of

our time to teaching and to students." She described the one-on-one relationships that develop in a type of teaching that otherwise would be impersonal, the auto-tutorial or self-paced classes. While auto-tutorial students teach themselves from textbooks and study guides, they are individually tested in oral exams for "mastery learning" as many as 14 times a semester, McFadden said.

"When students are not restricted to paper-and-pencil testing, we can actually see how they think, and if we find misconceptions, correct them," McFadden said.

Bruce Johnson, a senior research associate in neurobiology and behavior and a biology lecturer, described physiology experiments he designs to teach how body electricity works in nerves and muscles. His undergraduate physiology students use the same research-grade equipment as researchers in the department, he said, thanks to funding from the National Science Foundation and other groups.

—Roger Segelken

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p.m., Guerlac Room, A.D. White House.
 "Nawal El Saadawi in the Prison of Patriarchy,"
 Fedwa Malti-Douglas, Indiana University, Oct. 22,
 3:30 p.m., ILR Faculty Lounge, Ives Hall.

University Lectures

"The Political Trials of Vitamin C and AZT,"
 Evelleen Richards, University of Wollongong, Aus-
 tralia, Oct. 14, 4:30 p.m., 700 Clark Hall.

"The Mousetrap: The Problem of the Leftover
 in Early Modern England," Stephen Greenblatt,
 University of California at Berkeley, Oct. 21, 4:30
 p.m., Hollis Cornell Auditorium, Goldwin Smith.

MUSIC

Music Department

Piano recitals by students of Jonathan Shames
 will take place Oct. 21 at 8:15 p.m. in Barnes Hall.

Bound for Glory

Oct. 17: Cornerstone, an outstanding blue-
 grass band, will perform in three live sets in the
 Commons Coffeehouse in Anabel Taylor Hall.
 Sets are at 8:30, 9:30 and 10:30 p.m. Free.

readings

South Asia Program

Bapsi Sidhwa will read from her new novel, *An
 American Brat*, Oct. 20 at 4:30 p.m. in 374
 Rockefeller Hall.

religion

Sage Chapel

Michael Buckley of Boston College will give the
 sermon Oct. 17 at 11 a.m. Music by the Sage
 Chapel choir, under the direction of Thomas Sokol,
 and William Cowdery, Sage Chapel organist. Sage
 is a non-sectarian chapel that fosters dialogue and
 exploration with and among the major faith tradi-
 tions.

African-American

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

Catholic

Weekend Masses: Saturday, 5 p.m.; Sunday,
 9:30, 11 a.m. and 5 p.m., Anabel Taylor Audito-
 rium. 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 Thurs-
 day 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 Tay-
 lor 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.

Muslim

Friday prayers, Founders Room at 1 p.m.;
 Edwards Room at 1:25 p.m. Daily prayer, 1 p.m.,
 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

Agricultural & Biological Engineering

"Closing the Loop: The Roles of Composting in
 Agricultural Systems," Tom Richard, Oct. 20, 4
 p.m., 400 Riley-Robb.

Applied Mathematics

"Recognition and Audio Formatting of Struc-
 tured Information Objects," T.V. Raman, applied
 mathematics, Oct. 19, 12:20 p.m., 708 Theory
 Center.

Astronomy & Space Sciences

"Neptune and Jupiter: Atmospheric Dynamics
 and Thermodynamics," Peter Gierasch, Oct. 14,
 4:30 p.m., 105 Space Sciences.

Thomas Gold Lecture Series Colloquium:
 "Looking into the Past and Future With Gravitational
 Lenses," Irwin Shapiro, Harvard-Smithsonian
 Center for Astrophysics, Oct. 18, 4:30 p.m.,
 Schwartz Auditorium, Rockefeller Hall.

Biochemistry

"Aspects of the Mechanisms of Transport of
 Vitamin A Derivatives," Noa Noy, nutritional sci-
 ences, Oct. 15, 4 p.m., large seminar room, Biotech-
 nology Building.

"Isolation and Characterization of Enzymes
 From the Hyperthermophilic Bacterium *Pyrococcus
 furiosus*," C.B. Anfinsen, Johns Hopkins Univer-
 sity, Oct. 21, 4 p.m., large seminar room, Biotech-
 nology Building.

Biophysics

"How Proteins Stabilize Buried Charges: Les-
 sons From the Photosynthetic Reaction Center,"
 Marilyn Gunner, City College of New York, Oct. 20,
 4:30 p.m., 700 Clark Hall.

CIIFAD

"The Rough Road to Agricultural Sustainability,"
 Ambassador Robert Blake, Committee for Agricul-
 tural Sustainability in Developing Countries, Oct.
 14, 4 p.m., 135 Emerson Hall.

City & Regional Planning

"Land Use Conflicts in Albuquerque: The Case
 of Intel," Teresa Cordova, University of New Mexico,
 Oct. 15, 12:15 p.m., 115 Tjaden Hall.

Cognitive Studies Program

"Moral Questions Do Not Have Objective An-
 swers," Gilbert Harman, Princeton University, Oct.
 14, 8 p.m., 124 Goldwin Smith Hall.

"Rationality in Cognitive Science," Gilbert
 Harman, Princeton, Oct. 15, 3:30 p.m., 202 Uris.

Ecology & Systematics

"Sea Turtles of the Northeast: Sojourners or
 Waifs?" Stephen Morreale, Center for the Environ-
 ment, Oct. 20, 4 p.m., A106 Corson Hall.

Electrical Engineering

"Femtosecond Exciton Dynamics of II-VI Semi-
 conductor Multiple Quantum Wells," Anthony
 Johnson, AT&T Bell Labs, Oct. 19, 4:30 p.m., 219
 Phillips Hall.

Environment

New York Land Use & Environmental Steward-
 ship: "Urban Influences on Farmland Use in New
 York State," Nelson Bills, agricultural economics,
 and Tom Hirsch, rural sociology, Oct. 19, 12:20
 p.m., 304 Fernow Hall.

Fruit & Vegetable Science

"Integrated Pest Management of the Diamond-
 back Moth: Collaborative Approaches in Asia,"
 N.S. Talekar, Taiwan, Oct. 14, 4 p.m., 404 Plant
 Science Building.

"Berries in Your Basement and Arugula in the
 Attic: Is Controlled Environment Agriculture in Our
 Future?" Robert Langhans, floriculture & orna-
 mental horticulture, Oct. 21, 4 p.m., 404 Plant
 Science.

Geological Sciences

TBA, John Costain, Virginia Polytechnical In-
 stitute, Oct. 19, 4:30 p.m., 1120 Snee Hall.

"Mountain Climate Interactions in the Andes
 and Himalayas," Bryan Isacks, Oct. 21, 4:30 p.m.,
 1120 Snee Hall.

Human Service Studies

"Being Chronically Ill in America: Does the
 Service System Serve?" Andrea Kabcenell, Sloan
 Program in Health Services Administration, Oct.
 21, 4 p.m., 114 MVR Hall.

Immunology

"IL-12 Functions as an Effective Adjuvant in a
 Vaccine Against *Leishmania major* by Directing
 the Development of *Leishmania*-specific Th1 Cells,"
 Phillip Scott, University of Pennsylvania, Oct. 15,
 12:15 p.m., Lecture Hall 1, Vet. Education Center.

International Political Economy

"Globalization and the Emerging World Order,"
 Stephen Gill, York University, Oct. 15, 1:15 p.m.,
 G-08 Uris Hall.

Materials Science & Engineering

"Electronic Structure and Interband Transitions

Continued on page 7

October University Lectures are set

By Ericka Taylor

The University Lectures given in Octo-
 ber will cover subjects often considered to
 be at opposite ends of the academic spec-
 trum — the fields of science and technology
 and of English.

Evelleen Richards will speak on "The Po-
 litical Trials of Vitamin C and AZT" today,
 Oct. 14, at 4:30 p.m. in 700 Clark Hall.

An associate professor in the Department
 of Science and Technology Studies at the
 University of Wollongong, Australia,
 Richards' awards have included five Aus-
 tralian Research Council Awards and an Inter-
 national Travel Award from Harvard Uni-
 versity and the Fidia Research Foundation,
 another ITA from the British History of
 Science Society, and a third from the Wel-
 come Trust for the History of Medicine.

Currently, Richards is chair of the Na-
 tional Coordinating Committee for History
 and Philosophy of Science of the Australian
 Academy of Science and a member of the
 British Society for the History of Science.

Her scholarly activity ranges across three
 fields of historical and sociological research:
 the analysis of contemporary scientific and
 medical controversies and their policy im-
 plications; the social history of evolutionary
 biology; and science, medicine and gender.

Her first book, *Vitamin C and Cancer:
 Medicine or Politics?* was published in 1991
 and has been well-received in the field.

After earning her B.S. in biomedicine at
 the University of Queensland, Richards ob-
 tained her master's and doctorate at the Uni-
 versity of New South Wales.

Harvard astronomer to give Gold Lecture

Irwin Shapiro, an astronomer and physi-
 cist at Harvard University and director of the
 Harvard-Smithsonian Center for Astrophys-
 ics, will deliver a talk here on measuring the
 universe.

Shapiro will give the Thomas Gold Lec-
 ture Series talk, "Reckoning the Size of the
 Universe With Gravitational Lenses," on
 Thursday, Oct. 21, at 4:30 p.m., in Schwartz
 Auditorium, Rockefeller Hall.

The lecture is free and open to the public.

Shapiro, a member of the National Acad-
 emy of Sciences, also will deliver a joint
 physics and astronomy colloquium, "Look-
 ing Into the Past and Future With Gravitational
 Lenses," on Monday, Oct. 18, at 4:30

October's second University Lecture will
 be presented by Stephen Greenblatt, the Class
 of 1932 Professor of English at the Univer-
 sity of California at Berkeley. Greenblatt
 will lecture on "The Mousetrap: the Problem
 of the Leftover in Early Modern England"
 on Thursday, Oct. 21, at 4:30 p.m. in Goldwin
 Smith Hall's Hollis Cornell Auditorium.

Awarded the John Addison Porter Prize
 in 1969 for the most distinguished doctoral
 dissertation in the humanities and social
 sciences at Yale University, Greenblatt's
 more recent honors include delivering the
 plenary address at the Fifth World
 Shakespeare Congress in Tokyo and having
 the status of Fellow of the American Acad-
 emy of Arts and Sciences. Included in his
 numerous fellowships and grants are a
 Fulbright Scholarship, a Carnegie, and two
 Guggenheim Fellowships.

Although Greenblatt has been a member
 of the Department of English at Berkeley
 since 1969, he has also had various visiting
 professorships. He has taught at Peking Uni-
 versity, the University of Bologna, the Uni-
 versity of Chicago, Ecole des Hautes Etudes
 en Sciences Sociales, and the University of
 Florence, among others.

His most recent book, *Marvelous Posses-
 sions: the Wonder of the New World*, has had
 Japanese, French, Italian and Portuguese
 translations.

Greenblatt earned a B.A. at Yale, another
 B.A. and an M.A. at Pembroke College in
 Cambridge, and returned to Yale for his
 M.Phil. and Ph.D. He has lectured widely in
 the United States, Canada, Europe, South
 America, Asia, and Australia.

p.m., also in Schwartz Auditorium. His visit
 is sponsored by the Astronomy Department.

A gravitational lens is a massive object
 such as a galaxy, that distorts more distant
 objects in the same line of sight so that light
 from the distant source is bent by the object's
 gravitational field, similar to the way light
 bends when passing through a glass lens.

Shapiro, who earned an undergraduate
 degree at Cornell with highest honors in
 mathematics in 1950, has been director of
 the Harvard-Smithsonian center since 1983.
 Previously he was on the faculty at the Mas-
 sachusetts Institute of Technology from 1967
 to 1980. He earned a doctorate in 1955 and a
 graduate degree in 1951, both from Harvard.

Levine will visit as Professor-at-Large

Chemical physicist Raphael Levine will
 be making his second visit to Cornell as an
 A.D. White Professor-at-Large from Oct. 16
 to 23. Levine will give several public talks
 during his visit, the first of which will be "Do
 Large Molecules Ionize?" on Tuesday, Oct.
 19, at 4:30 p.m. in Room 200 of Baker
 Laboratory.

Levine was made a Ramsay Memorial
 Fellow from 1964 through 1966 and re-
 ceived the Annual Prize at the International
 Academy of Quantum Molecular Science in
 1968. He was made a fellow in 1987.

Recipient of the Wolf Prize in 1988,
 Levine has been a professor of theoretical
 chemistry at the Hebrew University of Jerusa-
 lem since 1969. He is also a fellow of the
 American Physical Society and has held
 various lectureships internationally.

Levine earned his master's of science in
 chemistry at Hebrew University, his Ph.D.
 in mathematics at Nottingham, and his
 D.Phil., also in mathematics, at Oxford.

Levine's faculty host is chemistry Pro-
 fessor Simon Bauer. For information on
 Levine's visit, call Bauer at 255-4028.

Real estate experts to meet Oct. 15 and 16

"Real Estate Capital: Where Do I Find
 It?" will be the topic of discussion when
 experts gather to discuss strategies to access
 traditional and emerging capital markets at
 the annual Cornell Real Estate Conference
 on Friday and Saturday, Oct. 15 and 16.

The conference will feature executives
 from institutions active in supplying capi-
 tal. In addition, professionals engaged in
 operating and developing Real Estate In-
 vestment Trusts will share their views on
 this growing source of real estate capital.

Kenneth M. Campia, a 1964 Cornell
 graduate and vice chairman, chief invest-
 ment officer and co-founder of LaSalle Part-
 ners Limited, will deliver the luncheon ad-
 dress on Friday afternoon. LaSalle Partners
 is a national real estate advisory firm with
 \$4.2 million in assets under management.

Larry H. Dale, a 1968 Cornell graduate
 and senior vice president of Fannie Mae,
 will speak at a dinner held in Willard Straight
 Hall on Friday evening. Dale is the execu-
 tive director of Fannie Mae's National Housing
 Impact Division, which is responsible
 for the company's program to produce \$10
 billion in commitments and deliveries that
 meet low- and moderate-income and spe-
 cial housing needs by the end of 1994.

The real estate conference will center
 around two panel discussions to be held on
 Friday, Oct. 15, in the Biotechnology Con-
 ference Facility.

The first session, from 9:45 to 11:45
 a.m., will address "Conventional Sources of
 Capital." The second session, from 2:15 to
 4:15 p.m., will be on "Raising Capital
 Through REITs."

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of Ceramics: Critical Point Analysis of AlN and Al₂O₃, Hamaker Constants and SREELS," R.H. French, DuPont, Oct. 14, 4:30 p.m., 140 Bard.
"Delta Doping in Silicon," Hans Grossmann, AT&T Bell Labs, Oct. 21, 4:30 p.m., 140 Bard.

Mechanical & Aerospace Engineering

"Management for the 21st Century," John Rodewig, president and CEO of Eaton Corp., Oct. 14, 4:30 p.m., 155 Olin Hall.

Microbiology

"Energetical Aspects of Syntrophic Fatty Acid Degradation," Bernhard Schink, University of Konstanz, Germany, Oct. 21, 12:20 p.m., large conference room, Biotechnology Building.

Neurobiology & Behavior

"Sensory Cell Regeneration in the Ear: From Sharks to Humans," Jeff Corwin, University of Virginia Medical Center, Oct. 14, 12:30 p.m., A106 Corson Hall.

Nutritional Sciences

"The Companionship of Lean and Fat: Some Lessons From Body Composition Assays," Gilbert Forbes, Rochester Medical Institute, Oct. 18, 4 p.m., 100 Savage.

Ornithology

"Whaling, Sailing and Diapering: A Family Voyage Across the Pacific to Study Sperm Whale Dialects," Lindy Weilgart, Bioacoustics Research Program, Oct. 18, 7:45 p.m., Fuertes Room, Lab of Ornithology, 159 Sapsucker Woods Road.

Peace Studies Program

"The Role of the Military in the Democratization of South Africa," Jacklyn Cock, University of Witwatersrand, Johannesburg, South Africa, Oct. 14, 12:15 p.m., G-08 Uris Hall.

Physics

"Physics 101/102 Revision Project: The Second Year," Betty Richardson, senior lecturer, physics 101/102; Janet Finch and Michael Reynolds, graduate students, education; and Erica Park, undergraduate, biology and society; Oct. 21, 4 p.m., G-08 Uris Hall.

Physiology & Anatomy

"How Can We Study the Evolution of Physiological Systems?" Timothy Bradley, University of California at Irvine, Oct. 19, 4 p.m., G-3 Veterinary Research Tower.

Plant Biology

"Regulation of the Spinach Nitrite Reductase Gene Expression," Rajeev Rastogi, University of Guelph, Oct. 15, 11:15 a.m., 404 Plant Science Building.

Plant Pathology

"RAPD Fingerprinting of a Fungal Insect Pathogen," Kathie Hodge, Oct. 20, 12:20 p.m., 404 Plant Science Building.

Plant Breeding & Biometry

"Cereal Improvement at ICARDA," Habib Ketata, ICARDA, Oct. 19, 12:20 p.m., 135 Emerson.

Russian Literature

"Bilingual Word Play in the Work of Russian Writers of the Third Wave of Emigration: The Heritage of Nabokov," Arnold McMillan, University of London, Oct. 19, 4 p.m., 177 Goldwin Smith.

Science & Technology Studies

"The Mangle of Practice: Agency and Emergence in the Sociology of Science," Andrew Pickering, University of Illinois, Oct. 18, 4:30 p.m., 609 Clark Hall.

Soil, Crop & Atmospheric Sciences

"Color Pictorial Decision Support Systems for Diagnosis of Nutrient Deficiencies and Other Applications," Lindsay Campbell, University of Sydney, Oct. 19, 3:30 p.m., 100 Caldwell.

South Asia Program

"From Pedagogy to Praxis: Transformative Community Education in India," Jaya Shrivastava, director of ANKUR, New Delhi, India, Oct. 14, 4:30 p.m., 374 Rockefeller Hall.

"What Can Ancient Vedic Geometry Say to Us?" David Henderson, mathematics, Oct. 15, 3:30 p.m., 153 Uris Hall.

Southeast Asia Program

"The State of Southeast Asian Studies in Vietnam," Thaveeporn Vasavakul, graduate student, Oct. 14, 12:20 p.m., 640 Stewart Ave.

Stability, Transition & Turbulence

TBA, Ugo Piomelli, University of Maryland, Oct. 19, 12:30 p.m., 178 Theory Center.

symposiums

Cognitive Studies

The annual graduate student research forum will be held Oct. 16 at the Miller Heller House on Eddy Street in College town. Topics include:

- "Computer-Assisted Logical and Mathematical Reasoning," Paul Jackson, computer science.
- "The Significance of CP to the Pro-drop Parameter: An Experimental Study of English-Spanish Comparison," Zelmira Nunez del Prado, linguistics.
- "Mental Causation," David Robb, philosophy.
- "Activity Theory and Vocabulary Acquisition in L2," Regina Roebuck, linguistics.
- "Identification of Text Relations During Automatic Hypertext Linking," James Allan, computer

science.

- "'Unscrambled Objects' in the Acquisition of Dutch," Isabella Barbier, linguistics.
- "Categorical Effects in the Perception of Faces," James Beale, psychology.
- "Tracking Non-Rigid Objects in Complex Scenes," William Rucklidge, computer science.
- "Number-based Expectations in Human Infants: Guiding Visual Behavior," Elliot Smith, human development and family studies.
- "Scholastic Philosophers on the Passivity of Cognition," Robert Pasnau, medieval studies.
- "Increases in Cognitive Flexibility Over Development and Evolution: Candidate Mechanisms," Linda Hermer, psychology.
- "The Acquisition of Wh-Questions and Topicalized Structures in Swedish," Lynn Santelmann, linguistics.

theater

Theatre Arts Department

FeFu and Her Friends, by Maria Irene Fornes, will play in the Class of '56 Flexible Theatre in the Center for Theatre Arts on the following dates: Oct. 21, 22, 23, 27, 28, 29 and 30 at 8 p.m.; and Oct. 24, 30 and 31 at 2 p.m. Tickets are \$6 and \$8. An off-Broadway success, *FeFu and Her Friends* follows the lives of eight women through the mysteries and shared hallucinations of the female experience.

Risley Theatre

Risley Theatre kicks off its fall season with *Mephistopheles in America*, *homunculus in vitro*. This is a combination of several performance art pieces. There will be several individual pieces, written and performed by members of the Cornell community, followed by the title piece, put together by Michael Bailey and Daniel Stokes. The piece combines images through dance, slides, and set with taped and live sound effects into an avant-garde multimedia presentation. The show will play Oct. 15 and 16 at 8 p.m. in Risley Theatre. Admission is \$1 at the door. Due to on-going construction, patrons are requested to enter through Risley's front doors, not the theater entrance. The next production will be two one-acts, *The Real Inspector Hound* and *Chamber Music*, and will play Oct. 21 through 24 and Oct. 28 through 30.

miscellany

Book Sale

Cornell University Press will hold a "hurt book" sale Oct. 18 and 19 from 9 a.m. to 6 p.m. at the

Cornell University Press Warehouse, 750 Cascadilla St. (behind Purity Ice Cream). Thousands of books on such topics as history, philosophy, women's studies, literary criticism, political science, natural history, anthropology, classical studies, Asian studies and the arts will be sold by the pound.

Cooperative Extension

Facilitator training for the widely used parent education program, Systematic Training for Effective Parenting (STEP), is being offered by Cooperative Extension on Nov. 5 from 5:30 to 9:30 p.m. and Nov. 6 from 9:30 a.m. to 4:30 p.m. Martha Brewster will lead the training. The fee is \$35 per person, which includes materials, snack and lunch. For more information and to register, call Sandy Wilkins at 272-2292.

Hotel School

• Cafe Pacifico, run by the graduate students at the Hotel School, is in operation at Banfi's Restaurant on Friday nights from 6 to 9 p.m. Dress is casual. Prices are reasonable, with appetizers starting at \$4 and entrees from \$9.75. Parking is free in the hotel parking lot or the Cornell garage. Reservations are recommended. Major credit cards and Cornellcard are accepted. Call 257-2500.

• The theme Oct. 14 for Terrace Cafe and Bistro is "A Taste for All Seasons," organized by Gerard Donkersloot, Bernard Yu and Brian Donovan. "La Casa Da Cornell," organized by Peter Petrina, James Escarzegza and Jeff Brown, will be the theme Oct. 18. The theme for Oct. 19 has yet to be decided, while "Shabu-Shabu Night," by Grace Huang, Sang Min Lee and Holly Kim, will be Oct. 20. Bill Callahan, Susan Pillmeier and Andrew Aronson will present "Restaurante dell' Amicizia" on Oct. 21.

Plantations

Garden Trough Workshop, a demonstration and instruction in making an attractive addition to patio or sitting area, will be held Oct. 16 from 9:30 a.m. to 12:30 p.m. at the Cornell Plantations Service Building. Advance registration with payment required. Call 255-3020 for further information.

Roof replacement

Construction crews are beginning a 10-month project to replace old and leaking roofs on several North Campus buildings. The first phase of the project begins this week.

Crews will remove all shingles, including those that contain asbestos. The removal will be done in accordance with federal asbestos-abatement regulations and will be monitored by the university's Office of Environmental Health and Safety. Steps are being taken to reduce the potential for individual exposure to asbestos during the roof project.

By the end of 1994, all campus facilities will have been surveyed as part of a universitywide asbestos-abatement study. The database of information developed will help determine priority projects to remove or repair damaged asbestos-containing building materials.

Questions about asbestos-abatement projects should be directed to Environmental Health and Safety at 255-4862.

sports

(Home games in ALL CAPS)

Men's Cross Country (2-1)

Oct. 17, National Invit. at Penn State

Women's Cross Country (3-0)

Oct. 17, National Invit. at Penn State

Field Hockey (4-4)

Oct. 16, PENNSYLVANIA, 10 a.m.
Oct. 17, HOFSTRA, 1 p.m.
Oct. 20, YALE, 2 p.m.

Varsity Football (1-3)

Oct. 16, FORDHAM, 12:30 p.m.

Lightweight Football (1-1-1)

Oct. 15, ARMY 7:30 p.m.

Men's Varsity Soccer (5-2-1)

Oct. 15, Lanzera/Sheraton Classic at Virginia
Oct. 17, Lanzera/Sheraton Classic at Virginia

Women's Varsity Soccer (5-2)

Oct. 16, Puma Classic at Rutgers
Oct. 17, Puma Classic at Rutgers

Women's Tennis (1-3)

Oct. 16-17, NYS Tour at Albany or ITA Regional Team Champs.

Women's Volleyball (9-4)

Oct. 15, at Harvard, 7 p.m.
Oct. 16, at Dartmouth, 4 p.m.

Eleven to be inducted into athletic Hall of Fame

Eleven more athletes will enter the hallowed halls of the Cornell Hall of Fame when they are inducted on Friday night, Oct. 15. The 16th annual ceremony will take place at the Statler Hotel. With this year's class, the Hall of Fame will total 320.

Once again, a variety of sports will be represented, as the 11 inductees participated on 12 different teams. Five of the athletes played more than one sport during their undergraduate days at Cornell.

Excellence abounds with all of the athletes, as five were All-Americans and one went on to Olympic fame. Terry Kent '86, who wrestled his freshman and senior years at Cornell, winning All-Ivy honors both seasons, went on to worldclass kayak racing in the 1984, 1988 and 1992 Olympics. At the '84 games in Los Angeles, he placed fourth in the 1,000-meter doubles for the highest finish ever for a U.S. pairs boat.

All-Americans being honored this year are women's soccer player Laurie Collier '88; Mary-Beth DeLaney '88, who played field hockey and lacrosse; Tim Goldstein '88, a record-setting lacrosse player; football defensive end Tom McHale '87; and Bob Smith '68, who played lightweight football and varsity football but earned his All-America honors in lacrosse. Collier, DeLaney and Goldstein were taken into the Hall in their first year of eligibility (athletes

are eligible for election five years after graduation).

Collier, named 1986 Ivy League Player of the Year, was a three-time All-America, All-Ivy and All-Northeast selection as a forward at Cornell, and was *Cornell Sun* and *Ithaca Journal* Athlete of the Year. DeLaney was a Brine Northeast Regional All-America first-team selection for three years, named national second team in 1988 and received honorable mention in 1987. Goldstein, a two-time first-team All-America attackman, was named the nation's outstanding player in 1987 and played on the 1990 Team USA lacrosse squad in the World Games.

McHale, who transferred to Cornell from Maryland, was named to the Kodak and Associated Press I-AA All-America first teams in 1986. He is an offensive guard with Tampa Bay of the NFL.

Smith, the only player to earn Eastern Lightweight Football League first-team honors on both sides of the ball in 1966 as a split end and defensive safety, received All-America second-team honors as a lacrosse midfielder in 1968.

Also being honored at the Hall of Fame ceremonies will be Elise Lincoln Meyer '85, a four-year letter winner in volleyball, helping the Big Red to a 156-28-1 record during her career; John Furmarl '39, who rowed for three years and was commodore

of the 1939 crew while playing two years of football and who has been a strong supporter of Cornell athletics; and Clyde Russell '16, a three-year letterman as an outstanding pitcher who went on to play on all minor levels of professional baseball.

Barbara H. Dean Stewart '62 will enter the Hall of Fame for her prowess in field hockey and tennis at Cornell and as a masters athlete. She played goalie on an undefeated field hockey team for four years and played No. 1 singles in tennis. At the age of 44, she began competing in masters track and field events and has won 43 national championships in 20 different events, setting 14 national and four world records.

The final incoming member is Russ Wiggin '72, who became the first Cornell gymnast to qualify for the NCAA championships, placing seventh on the pommel horse in 1972. Cornell won the Ivy League championship all four years he was with the team and Wiggin was named 1972 *Cornell Daily Sun* Athlete of the Year.

The Cornell Athletic Hall of Fame was initiated in 1978 and became a reality through the thoughtfulness and generosity of the late Ellis H. Robison '18, whose gift to the University resulted in the construction of the Robison Hall of Fame Room that houses the induction plaques and Hall of Fame memorabilia in Schoellkopf Hall.

CALENDAR

October 14
through
October 21

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 general public. Admission is free, unless stated otherwise. No partner needed. For further information, call 277-3638.

Oct. 17: 6:30 p.m., Balkan music jam; 7:30 p.m., teaching; 8:30 p.m., review and request dancing, North Room, Willard Straight 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.

• Kandinsky's "Small Pleasures," on loan from the Guggenheim Museum and supplemented by Kandinsky works on paper from the museum's permanent collection, will be on view Oct. 15 through March 30.

• Jack Squier: Sculpture Retrospective, 1953-1993, through Oct. 17. Squier, a professor in Cornell's Art Department, has created an impressive portfolio of work over the past four decades in a variety of media. This exhibition will present a selection of sculptures, providing the viewer with an in-depth look at this acclaimed artist's development and accomplishments.

• A traveling bilingual exhibition, "Contrasts: Photographs by Jack Delano/Contrastes: Fotografias de Jack Delano," which documents 40 years of life in Puerto Rico, will be on display through Oct. 17.

• The museum has assembled a selection of 20th century prints, entitled "Sculptors as Printmakers," that examines the relation between two- and three-dimensional media in the prints of several acclaimed artists, including Alberto Giacometti, Alexander Archipenko and Bryan Hunt. This exhibition runs through Oct. 31.

• "Our Century on Paper," an exhibition of 20th century drawings from the museum's permanent collection, is on view through Dec. 12. Works by some of the most influential and progressive modern artists, such as Matisse, Picasso and Milton Avery, are featured, as well as pieces from more contemporary artists, such as Willem deKooning, Jacob Lawrence and Mark Tobey.

• **Thursday Box Lunch tours:** As part of the Box Lunch Tours: Art Through the Ages series, the museum will offer the topic of Renaissance art on Oct. 14. This series includes an hourlong talk

every other Thursday from noon to 1 p.m. Afterward, lunch can be enjoyed in the sixth floor conference room.

• **Art After Five:** On Wednesday, Oct. 20, at 6:45 p.m., a member of the curatorial staff will lead a discussion of Kandinsky's masterpiece "Small Pleasures" and the accompanying exhibition.

• **Weekend walk-in tours:** Every Saturday and Sunday during the academic year from 1 to 2 p.m., the museum offers a free tour of either a special exhibition or an aspect of the permanent collection. Please check at the museum for topics and speakers.

Hartell Gallery

"FemaleConstructs: A Tradition of Women Architects From Cornell University" is on view through Oct. 16 in Sibley Dome. The exhibit focuses on

significant built work and unbuilt projects by 40 alumnae. The drawings, photographs, models and other historical documentation on view will present a cross-section of work from different time periods.

Kroch Library

"In Her Own Hand," an exhibition of women's diaries, letters and memoirs, is on view through Dec. 17 at the Carl Kroch Library - Rare and Manuscript Collections, Exhibition Hall, Level 2B, Monday through Friday from 9 a.m. to 5 p.m. and Saturdays from 1 to 5 p.m.

Tjaden Gallery

Multimedia works by Sandra Toro and Miguel Mir, through Oct. 16.

Photographs by Gwendelyn Daniels, Oct. 16 through 23.



David Heald/The Solomon R. Guggenheim Foundation

From Oct. 15 through March 30, the Johnson Museum will have on loan from the Guggenheim Museum the masterpiece "Small Pleasures" (1913) by the influential Russian-born artist Wassily Kandinsky. This painting will be accompanied by additional works by Kandinsky, drawn mostly from the museum's permanent collection. Museum Director Frank Robinson says, "In many ways, Kandinsky's work in the early years of this century marks the beginning of modern art. To have a major painting from this period is to be in touch with, and to understand, our own century in a profound way."

films

ATTENTION FACULTY AND ORGANIZATIONS: Co-sponsorship proposal deadline for Spring '94 films and series with Cornell Cinema is Oct. 15. Call 255-3522 for application and information.

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, 10/14

"Orlando" (1992), directed by Sally Potter, with Tilda Swinton, Quentin Crisp and Billy Zane, 7:40 p.m.

"In the Line of Fire" (1993), directed by Wolfgang Peterson, with Clint Eastwood and John Malkovich, 10 p.m.

Friday, 10/15

"Orlando," 7 p.m.

"Stolen Children" (1992), directed by Gianni Amelio, with Enrico Lo Verso, Valentina Scalici and Giuseppe Ieracitano, 7:30 p.m., Uris.

Student Film Festival, eight of the best films by students from around the country, 9:15 p.m.

"In the Line of Fire," 10 p.m., Uris.

"Gift" (1993), directed by Perry Ferrell and Casey Niccoli, with Sunshine, Roxane, Kiki Rose and Ice-T, 11:30 p.m.

Saturday, 10/16

"Aventure Malgache" and "Bon Voyage," directed by Alfred Hitchcock, with John Blythe and the Moliere Players, 7:30 p.m.

"Stolen Children," 7:30 p.m., Uris.

"Orlando," 9:40 p.m.

"In the Line of Fire," 10 p.m., Uris.

"Gift," midnight.

Sunday, 10/17

"Orlando," 4:30 p.m.

"Oedipus Rex" (1967), directed by Pier Paolo Pasolini, 7:30 p.m., Uris, free.

"Aventure Malgache" and "Bon Voyage," 8 p.m.

Monday, 10/18

Avant-Garde Sound Program, 7 p.m.

"Orlando," 9 p.m.

Tuesday, 10/19

"The Widows of Vrindavan" (1993), directed by Pankaj Butalia, followed by a discussion regarding recent events in India, 4 p.m., free.

"Esok Masih Ada," Southeast Asia Film Series, Kahin Center, 640 Stewart Ave., 4:30 p.m., free.

"Rules of the Road" (1993), with guest filmmaker Su Friedrich, shown with "The Lesbian Avengers Eat Fire Too" (1992), 7:30 p.m., CTA Film Forum, \$2.

"Stolen Children," 7:35 p.m.

"In the Line of Fire," 10 p.m.

Wednesday, 10/20

"Jit" (1990), directed by Michael Raeburn, with Dominic Makuvachuma and Sibongile Nene, 7:45 p.m.

"Vampires in Havana," directed by Juan Padron, presented by CUSLAR, 8 p.m., Goldwin Smith D, free.

"Sleepless in Seattle" (1993), directed by Nora Ephron, with Tom Hanks, Meg Ryan and Ross Malinger, 10 p.m.

Thursday, 10/21

"Olivier Olivier" (1992), directed by Agnieszka Holland, with Francoise Cluzet, Brigitte Rouan and Jean-Francoise Stevenin, 7:25 p.m.

"Sleepless in Seattle," 10 p.m.

graduate bulletin

• **Course Changes:** There is a \$10 charge for adding each course. Courses may be dropped or credit hours or grading options may be changed through Oct. 15 without penalty. After Oct. 15 a petition is needed to drop a course or to change grading options or course credit. A course dropped after Oct. 15 will appear on transcripts with a "W" (withdrawn). No course may be dropped or changed after Dec. 3.

• **Pre-enrollment for spring '94:** Graduate student course pre-enrollment will be Oct. 20 through Nov. 3, Sage Hall. Forms are available at graduate field offices and Sage Graduate Center.

• **Degree Requirement:** To receive a graduate degree, students must have the final transcript on file with the Graduate School showing the conferral date of their undergraduate degree.

lectures

Africana Studies

"Surviving Ruin: Destruction and Reconstruction of Cultural Integrity in Julie Dash's *Daughters of the Dust*," Harryette Mullen, English, Oct. 20, noon, Hoyt Fuller Room, 310 Triphammer Road.

Agricultural Economics

W.I. Myers Memorial Lecture: "Political Economy of a Crop Insurance Experiment," Jerry Skees, University of Kentucky, Oct. 14, 4 p.m., 401 Warren Hall.

Arts and Sciences

James H. Becker Alumni Lecture: "Genetic Counseling: Implications for Health Care Professionals in 1993," Lee Shulman, University of Tennessee, Oct. 15, 4:30 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

Astronomy

Thomas Gold Lecture: "Reckoning the Size of the Universe With Gravitational Lenses," Irwin Shapiro, Harvard-Smithsonian Center for Astrophysics, Oct. 21, 4:30 p.m., Schwartz Auditorium, Rockefeller Hall.

Chemistry

Baker Lectures by John Bercaw, CalTech, 11:15 a.m., 119 Baker: "Olefin Insertion into Transition Metal-Carbon Bonds: Ziegler-Natta Polymerization of Olefins," Oct. 14; "Mechanisms of Olefin Insertion/ β -Alkyl Elimination: Part I," Oct. 19; and "Mechanisms of Olefin Insertion/ β -Alkyl Elimination: Part II," Oct. 21.

European Studies

Germany and the New Europe DAAD Lecture Series: "Incomplete Undertakings? Aspects of Functionality of East German Literature - The Scapegoat Christa Wolf," Claudia Mayer-Iswandy, University of Montreal, Oct. 15, 12:15 p.m., 153 Uris Hall.

Hotel Administration

"Health Care and Homelessness," Jacquelyn Gaines, Health Care for the Homeless, Baltimore, Oct. 19, 11:55 a.m., 465 Statler Hall.

Jewish Studies

"The Danish Exception: Why Did We Survive?" Herbert Pundik, senior foreign correspondent and former editor in chief of *Politiken*, Oct. 19, 3:30 p.m., 374 Rockefeller Hall.

Landscape Architecture

"A Paved Paradise," Terry Schnadlbach, landscape architect, Oct. 15, 11:15 a.m., 101 W. Sibley Hall.

Plantations

"Our Vision for Cornell Plantations," Carl Gortzig and Don Rakow, Oct. 14, 7:30 p.m., 404 Plant Science Building, free.

"From Dachau to Rooftop - Urban Gardening in Russia," Bob Kozlowski, floriculture and ornamental horticulture, Oct. 21, 7:30 p.m., 404 Plant Science Building, members and Cornell students free; \$2 donation for non-members.

Professors at Large

Raphael Levine of the Hebrew University will give the following public lectures at 4:40 p.m. in 200 Baker Laboratory: "Do Large Molecules Ionize?" Oct. 19; "Dynamics of Very High Rydberg States," Oct. 20; and "Mode-Selected Laser Chemistry," Oct. 21.

Religious Studies

"Spectacle, Specters and Specula: Figures of Theater in the American Imagination," Alan Hodder, Harvard University, Oct. 18, 4:30 p.m., Guerlac Room, A.D. White House.

Society for the Humanities

TBA, Robert Perelman, poet, Oct. 19, 4:30

Continued on page 6