

CORNELL Chronicle

Volume 26 Number 21 February 16, 1995

LIBRARY LINK

The new Mann Gateway will leave other library retrieval systems struggling to keep up.

HOME AGAIN

Cornell repurchases permanent home for future presidents.

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Rhodes outlines university needs in national science policy

By Larry Bernard

CAMBRIDGE, Mass. — The federal government must issue a clear policy of funding research in the nation's universities in order for science and technology to be advanced, Cornell President Frank H.T. Rhodes told an audience of government, university and industry officials last week.

"We need a policy of funding. I'm not talking about a budget; I'm talking about a policy of funding which underlies the research we do," Rhodes said, commenting on the future role of universities, govern-

ment and industry in research.

Rhodes was invited to give the academic perspective at an all-day colloquium Feb. 7 at the Massachusetts Institute of Technology on *Science in the National Interest*, a report by the Clinton administration issued last year that provides a basis for future research. Also attending were Norman R. Scott, vice president for research and advanced studies, and John E. Hopcroft, dean of the College of Engineering and a member of the National Science Board.

"We need now a blueprint to move this statement forward. It does not provide a

detailed plan, it does not provide a budget or a detailed timetable. We need them nonetheless. From where do they come?" Rhodes asked the group.

Rhodes, who is chairman of the National Science Board, the governing body of the National Science Foundation, said there are four key points that universities need most:

- A clear mission of all federal agencies involved in research and development. "As Yogi Berra said, 'You've got to be careful if you don't know where you're going, because you might conceivably get there.' That's the problem with the federal agen-

cies," Rhodes said.

- Having a stable and sensible funding policy. Rhodes criticized proposals in Congress now that would, for example, cut student aid and reduce indirect costs paid to universities for doing research.

- A statement of programs and budgets for all federal agencies, including the linkages between research and education. "How many graduate students do we need? How many scientists do we need?" Rhodes asked the 200 conference participants. "And where is that discussion taking place?"

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Cultivating a breath of spring



John Kumpf looks over one of many flowers at the Liberty Hyde Bailey Conservatory. The conservatory is located in front of the Plant Science building and is open Monday through Friday to visitors.

Peter Morenus /University Photography

Chancellor: Pataki budget cuts deep

Appearing before a joint hearing by the Assembly Ways and Means Committee and Senate Finance Committee in Albany on Feb. 8, SUNY Chancellor Thomas A. Bartlett said the 1995-96 budget recommended by Gov. George E. Pataki "will have far-reaching and long-term impacts on students, the university and the state."

Reporting that the governor's budget would reduce tax-dollar support for the core

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operating budget of SUNY's state-operated campuses and statutory colleges by \$289.5 million, or 31.5 percent, from last year, Bartlett noted that the SUNY system is being asked to increase its revenues from tuition, fees, patient receipts and other measures by \$215.5 million.

Even if it were possible for SUNY to raise these funds next year, the 34 state-operated campuses and statutory units would still face an expenditure reduction of \$74 million from the level they received for the current year. When coupled with additional potential losses associated with uncertain revenue projections and the loss of \$16.8 million in support of SUNY's Educational Opportunity Program, the campuses are looking at a potential shortfall that could total more than \$100 million.

Provost Malden C. Nesheim on Feb. 11 convened a meeting of Cornell's four statutory college deans and senior central administration staff to develop a detailed strategy in response to the developments in Albany. On Feb. 14, he imposed a hiring freeze, effective Feb. 20, on all endowed, non-academic external hires, to improve the opportunities for lateral transfer of statutory college employees who may be adversely affected by the budget cuts. Pataki asked SUNY to impose a hiring freeze on all statutory positions in January.

"As has been done in the past, every effort will be made to meet as much of the personnel reduction requirements through attrition," Nesheim said.

"This will be a very tough year for the statutory colleges," Nesheim added. "We've helped each other before, and we will do so again, doing everything we can to maintain the quality of offerings and services available for our students."

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Girls now take as much math as boys, study shows

By Susan Lang

High school girls are taking as many courses in math and science as boys because parents now view their daughters' futures as career-oriented as their sons', a Cornell study has found.

"In 1972, parents — acting as agents who guide early educational choices of their children — treated their sons and daughters differently in how they helped them prepare for future careers," said Dean Lillard, Cornell assistant professor of consumer economics and housing. "In 1992, however, parents treated the education of their daughters similarly to how they viewed the education of their sons in both 1972 and 1992."

Lillard, a labor economist who teaches courses on the economics of consumer policy, econometrics and the distribution of wealth and income at Cornell, analyzed data

'In 1972, female high school seniors enrolled in 20 percent fewer semesters of science and math than their male counterparts. By 1992, this difference had effectively disappeared.'

— Dean Lillard

of elementary and secondary students from three sources: the National Longitudinal Surveys of High School Graduating Class of 1972, the survey called High School and Beyond and the National Education Longitudinal Study of 1988. These nationally representative samples of students include

measures of math and science courses taken by the high school graduating classes of 1972, 1982 and 1992.

"In 1972, female high school seniors enrolled in 20 percent fewer semesters of science and math than their male counterparts. By 1992, this difference had effectively disappeared — high school girls in 1992 enrolled in 98 percent as many science and math classes as boys," Lillard said.

Lillard sought to determine whether the change was driven by demographic shifts or family background characteristics — such as the growing number of women in the labor force and in professions, the education or income of parents, or the increasing rate of divorce — or other factors. To do so, he estimated models of math and science investment separately for girls and boys in 1972, 1982, and 1992; he then tried to use

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Day of action planned Feb. 17

By Nancy Rosen

Koigi Wa Wamwere, a Cornell student in the '70s, is being tortured in detention and faces a possible death sentence in Kenya. The Center for Religion, Ethics and Social Policy (CRESP) and Cornell's chapter of Amnesty International is holding a Day of Action on Feb. 17 with the ultimate goal of freeing Wamwere.

The day will launch the "Kenyan Human Rights Initiative" campaign on Wamwere, who emerged as a human rights activist and leader of the opposition to the Kenyan Parliament. He previously was exiled to Norway under United Nations protection and was imprisoned by the Kenya secret police in 1990. He was released two years later.

"Now Kenya has imprisoned Koigi again and put him on trial for his life. Amnesty International has declared him to be a Prisoner of Conscience. International pressure has helped release Koigi and others from illegal confinement before. It can and must do so again," wrote Neil Getnick '75, JD '78, a personal friend of Wamwere's and a litigation lawyer in New York City.

The events include a write-a-thon from 10 a.m. to 4 p.m. in the Memorial Room in Willard Straight and a rally at noon outside of the Straight with remarks by Getnick. He also will give a dinner talk at 5:30 p.m. in the Commons Coffeehouse, Anabel Taylor Hall and will co-host a public talk at 8 p.m. in Goldwin Smith's Kaufmann Auditorium with Micere Mugo, an international writer and associate professor of Africana studies at Syracuse University who formerly was imprisoned in Kenya.

For more information contact CRESP at 255-5027 or amnesty@cornell.edu.

Grants available

The Women's Studies Program announced the availability of the Beatrice Brown Awards for graduate students working on some aspect of women and gender.

The awards generally are no more than \$250. They can be used for research and professional development expenses.

Grants will be awarded for expenses incurred between April 1-Sept. 30, 1995. Application should contain curriculum vitae, 1-page project description and letter from the chair of the student's special committee.

Deadline for applications to the Women's Studies Office, 391 Uris Hall, is March 30.

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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.

Cornell in times past



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

The Cornell campus looked much different from the air in 1940. There were no trees along Tower Road then. There were no malls in Lansing, either.

Getnick '75 writes in pursuit of justice

By Neil V. Getnick '75, Law '78

Koigi wa Wamwere is my friend. Twenty-three years ago, we were undergraduate classmates at Cornell. We spent much of our freshman year speaking of the future, and how ultimately we might make a difference in the world. At the end of our freshman year, Koigi and I sat talking. He told me that given the state of affairs in Kenya, "ultimately" was too long to wait. He announced that he had chosen to return to Kenya to act on his concerns.

That was the last time I saw Koigi. But such was the measure of the man that I remain profoundly affected by him. From time to time, I would hear from Kenyan exchange students of the important role he came to play in the quest for human rights in Kenya. I followed the story of his detentions, his emergence as the leader of the opposition in the Kenyan parliament, and his exile to Norway under United Nations protection.

The first time I wrote of Koigi was following his arrest by the Kenyan secret police in 1990. His release more than two years later, in the face of mounting international pressure and Kenya's pledge to lift the ban on opposition political parties, provided the hope of positive change. Once free, Koigi continued his human rights efforts.

Now Kenya has imprisoned Koigi again and put him on trial for his life. In 1994, my law firm joined with Amnesty International (AI) in focusing worldwide attention on Koigi's case. AI declared Koigi to be a prisoner of conscience. Getnick & Getnick, together with the American Lawyers Koigi Committee, circulated a detailed white paper at the highest levels of the U.S. government and throughout the international human rights community.

Since October, as a direct result of these efforts, high-level U.S. officials, including Vice President Gore, have written and otherwise communicated with Kenyan President Daniel arap Moi and others in the Kenyan government expressing their deep concern over the conduct of Koigi's trial.

Koigi's case is the tactical focal point of the Moi government's strategy to repress the democratic process inside Kenya and to crush all opposition. By 1992, the Moi government had outlawed all opposition politi-

cal parties. At that time, the U.S. and other foreign aid donors insisted on a restoration of democracy as a pre-condition for further aid. In December 1992, free elections were held, and in January 1993, Koigi was released from his then imprisonment. Upon his release, Koigi resumed his human rights activity by undertaking an investigation of government-sponsored ethnic violence. With donor aid resumed, the Kenyan government returned to its former policy of repression. In October and November 1993, Koigi and a host of others were arrested and imprisoned on trumped-up charges. The

commentary

Robert F. Kennedy Memorial Center reports that in the 12 months leading up to those events, the government arrested almost two dozen of the newly elected opposition members of parliament.

Koigi was charged with participating in a raid on a Kenyan police station to steal weapons. The trial has been a farce. All of the neutral international human rights organizations that have observed the trial have reported on the procedural abuses and the evidentiary vacuum characterizing the government's case. Koigi has strong evidence of his whereabouts some 200 miles away with an internationally renowned lawyer and his family at the time of the alleged incident.

The defense contends that the alleged raid never took place and that the charges are part of a government cover-up that the police earlier arrested and tortured to death the alleged victims of the police raid cross-fire.

During the trial, the government declared its medical examiner missing. The defense, however, found and produced him at trial. The medical examiner testified that upon his examination of the body of one of the people allegedly killed in the incident it was revealed the death had taken place many days earlier. Still the trial continues and most believe that the presiding judge is determined to return a guilty verdict no matter what.

Now the Cornell community is poised to play a pivotal role in the quest for justice for Koigi and the Kenyan people.

On Friday, Feb. 17, the Cornell Center for Religion, Ethics and Social Policy (CRESP) and the Amnesty International chapter on the Cornell campus (AI CU) are sponsoring a Day of Action focusing on this former Cornell student who is being tortured in detention and is facing a possible death sentence in Kenya. According to its sponsors, the Day of Action will serve three purposes: (1) to launch the "Kenyan Human Rights Initiative" campaign on Koigi; (2) to publicize Koigi's case in the Cornell and Ithaca communities; and (3) to rally support for Koigi in Ithaca and stir Cornellians into action. In the words of CRESP and AI CU, "The ultimate goal of this campaign is to 'Free Koigi.'"

The Day of Action's events will include a Write-a-thon from 10 a.m. to 4 p.m. in the Willard Straight Hall Memorial Room. The goal will be to generate a flood of letters particularly directed at the Kenyan government as Koigi's nearly year long trial heads to conclusion and verdict. During the day there also will be a noon rally outside the Straight and a public talk at 8 p.m. in Goldwin Smith Kaufman Auditorium.

I will have the privilege to speak at both events. For me this opportunity joins the past and present. I last spoke in front of the Straight as a student trustee in the spring of 1978. The issue then was university investment policy relating to corporations doing business in South Africa. Now the issue involves an unjustly imprisoned former Cornellian, who symbolizes the plight of the Kenya people in their quest for democratic freedoms.

The deliberately capricious trial procedures, constant harassment, wrongful detentions and unjust charges faced by Koigi and other proponents of democracy are the acts of a government determined to suppress its most ardent, effective critics. During his detention, Koigi has been threatened by prison officials, who said he would be eliminated. The Moi government is calling for a mandatory death sentence.

International pressure has helped release Koigi and others from illegal confinement before. It can and must do so again. Join with us on the Friday, Feb. 17 Day of Action and thereafter to make it so.

Mann Library makes data retrieval via Internet easy

By Blaine P. Friedlander Jr.

The new Mann Gateway at Cornell, which opened a major interchange on the information autobahn on Feb. 7, will leave other library retrieval systems struggling to keep up.

Previously, a researcher could belly-up to a keyboard and pore over 38 different databases. This week, Internet surfers may point-and-click through the 400 databases waiting to be tapped, siphoned or otherwise explored. Within a year, the library hopes to boast more than 1,000 on-line databases available through the gateway.

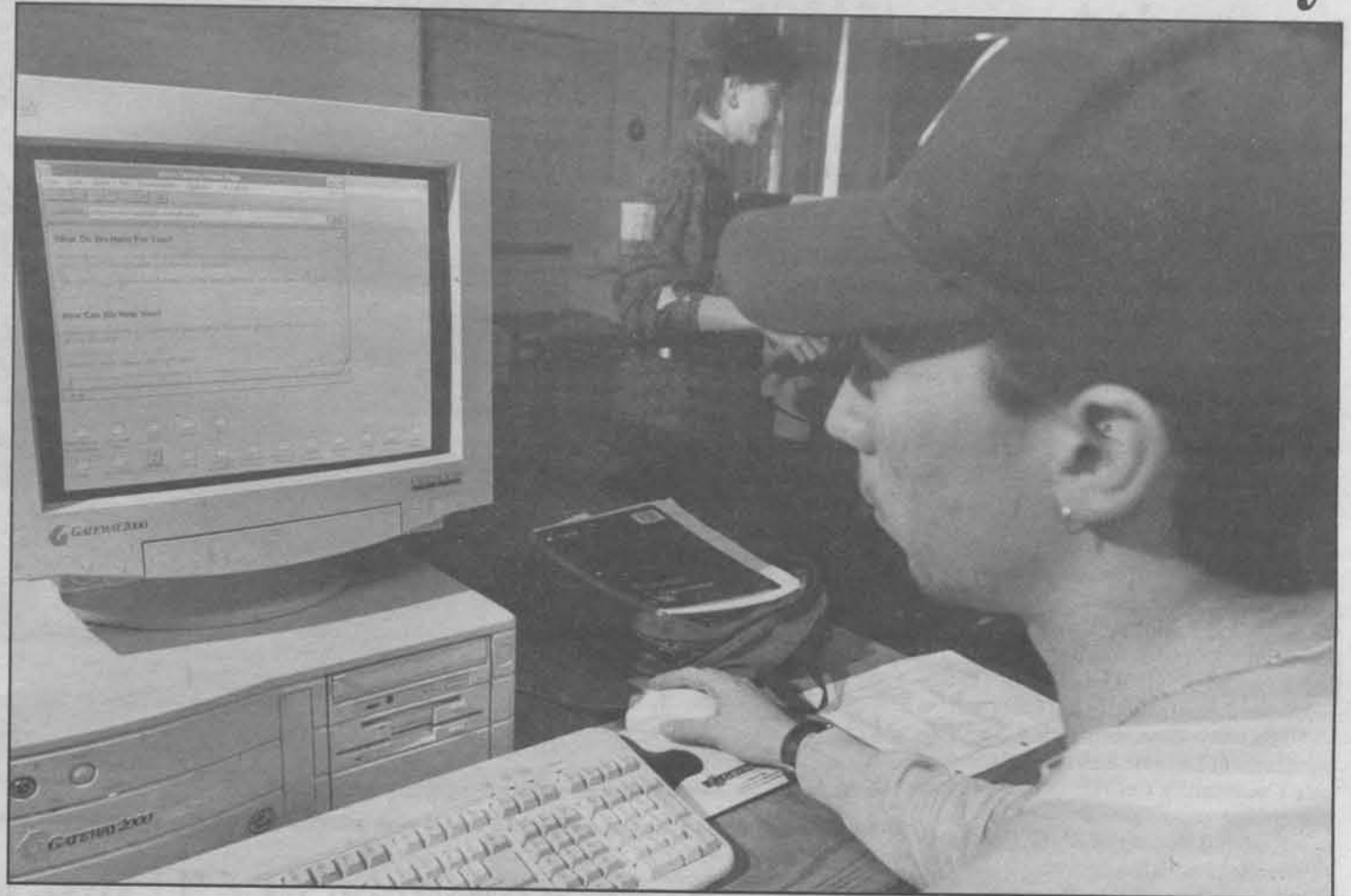
The gateway is a front-end user interface that organizes the databases either by subject or title. Like many other home pages on the World Wide Web (WWW) server, the gateway provides an easy way to access for some tough-to-find information.

"This is more than a home page, this is a true electronic library," said Susan Barnes, assistant to the director of Mann Library. "We're building an electronic library replete with full statistics, journal references and the full text of journal articles," Barnes said.

Available databases range from newspaper article text services and agricultural statistics to AIDS information and farming real estate tax histories. In fact, the Mann Gateway has signed contracts with major on-line data suppliers like Dialog, which provides the full text of all articles in 100 major newspapers. The articles could date back into the early 1980s.

Plans for building the Mann Gateway started in 1989 and it went on-line in 1991. Originally built as a research link between Mann Library and the biological sciences, it branched into providing databases of all sorts. The purpose: The Mann Gateway became an electronic database clearinghouse on the World Wide Web, liberating professors and students from the drudgery of tracking down sources.

Barnes believes one benefit is that it's



Student Geoff Kornberg uses the new Mann Gateway during a class at Mann Library Feb. 2.

Peter Morenus/University Photography

seamless — retrieving databases has become nearly invisible to the user. "You shouldn't have to know where the computer is located or where the database can be found in order to use it," she said.

The latest incarnation of the Mann Gateway started in several focus groups. Cornell students and professors gathered to explain their needs. In the spring 1993, the library's technical and collections development staff assembled the systems specifications. It was

decided soon after that the graphical interface program helps users navigate the new gateway. Barnes said it took little persuasion to prove the power of the program. It uses the hyper-linked, super-fast Netscape, recently released into the marketplace. The address for the system is <<http://www.mannlib.cornell.edu>>. It also available through the WWW on Bear Access.

Money to fund the Mann Gateway comes from the acquisitions budget, which is state-

funded through the New York State College of Agriculture and Life Sciences and the College of Human Ecology.

When Barnes began her library career in the late 1970s, she envisioned such a system. Soon, users will be able to read course reserve material on-line, renew books, or have books or articles sent by campus mail. Five years from now, she believes the system will be using artificial intelligence for information retrieval.

Ehrenberg named acting vice president

Ronald G. Ehrenberg, the Irving M. Ives Professor of Industrial and Labor Relations at Cornell, has been named acting vice president for academic programs and planning by Provost Malden C. Nesheim.

He succeeds John R. Wiesenfeld, who is leaving March 31 to become dean of science at Florida Atlantic University in Boca Raton, Fla.

"I am delighted that Ron Ehrenberg has agreed to take on this role in the months ahead. His strength as a leading member of the faculty and as a scholar of educational policy and finance will be particularly important to Cornell at this critical time," Nesheim said.

In addition to his endowed faculty post, Ehrenberg also is professor of economics, director of research for the School of Industrial and Labor Relations (ILR) and director of ILR's Institute for Labor Market Policies. A member of the Cornell faculty for 20 years, his fields of teaching and research have been labor economics and the economics of higher education. He regularly teaches a course titled "Economic Analysis of the University."

Ehrenberg's most recent book is *Labor Markets and Integrating National Economies* (Brookings Institution, 1994), which deals with the interrelationships between labor market legislation and programs and free trade agreements such as NAFTA. Much of his recent research has focused on educational issues. He is a co-author of *Economic Challenges in Higher Education* (University of Chicago Press, 1991) and co-author and editor of *Choices and Consequences: Contemporary Policy Issues in Education* (ILR Press, 1994).

Currently, he is pursuing research on issues relating to the race, gender and ethnicity of American teachers and students under grants from the William H. Donner and Andrew W. Mellon Foundations, and is working on a book on historically black colleges and universities to be published by Brookings.

Active in administration and faculty governance at Cornell, Ehrenberg has served as chair of the Department of Labor Economics (1976-1981), is active in the Faculty Council of Representatives and is co-chair of the "Faculty of the Future" subcommittee of Cornell's Strategic Planning Advisory Committee.



Ehrenberg

Study shows some birds prefer junk food

By Roger Segelken

The largest corps of volunteer researchers ever assembled for a single scientific experiment, the Cornell Laboratory of Ornithology-National Science Foundation's Seed Preference Test, has shown that some birds prefer "junk food."

Red milo, an inexpensive grain that was thought to be an unpalatable "filler" in commercial bird seed mixes, was found to be the food of choice for three Western species: Steller's jay, curved-bill thrashers and Gambel's quail. Another 12 widely distributed, ground-feeding species, including seven kinds of sparrows, preferred millet. Twelve arboreal-feeding species cast their votes for black-oil sunflower seed.

"Conventional wisdom says that birds don't like red milo, but many participants from the Southwest in another (Ornithology) Lab program, Project FeederWatch, had told us their birds love milo. We wanted to find out whether milo was getting a bad rap," said Rick Bonney, director of education at the Cornell Laboratory of Ornithology and one designer of the Seed Preference Test.

The 1993-94 Seed Preference Test, which was funded by a National Science Experiment grant from the NSF and by \$7 fees from more than 17,000 participants, gave ground-feeding birds three menu choices: On separate pieces of plain cardboard, the volunteers placed half-cup servings of red milo, millet and black-oil sunflower seed. Then they recorded the number of visits to each type of seed, referring to a bird-identification poster supplied by the Laboratory of Ornithology.

Nearly 5,000 Seed Preference Test participants, including school children in science fair projects and entire families, returned data forms from last winter's experiment. Analysts at the Ornithology Lab spent the summer tabulating the data.

Some findings were disappointing — no birds showed up to eat any kind of seed at some sites — but that doesn't mean the kitchen-window scientists failed, Bonney emphasized. "Many of us learned an important lesson: The scientific process is a bumpy road. Experimental techniques must undergo constant modifications," he said. "Most researchers re-

fine their procedures before they work properly."

So, in the full spirit of the experimental process, Seed Preference Testers will try again this winter, changing some procedures to reflect problems that were discovered last winter. This winter, for example, volunteers will set up the experiments several days before they begin recording data. That will give neighborhood birds a chance to become accustomed to the situation. Other nearby sources of food, such as bird feeders, will be left empty during the brief experiment.

The second round of the Seed Preference Test should

Volunteers may participate in the 1994-95 Seed Preference Test by sending a check for \$7 (U.S. funds) to: Cornell Lab of Ornithology, SPT, P.O. Box 11, Ithaca, NY 14851-0011, or by calling 1-800-843-BIRD to charge the \$7 fee to a major credit card.

accomplish three goals, Bonney said. It will give more people a chance to learn how science works by collecting useful data; it will show whether birds' food preferences change from year to year; and it will add more data for some species, such as the Inca dove, for which results so far are inconclusive.

Volunteers may participate in the 1994-95 Seed Preference Test by sending a check for \$7 (U.S. funds) to: Cornell Lab of Ornithology, SPT, P.O. Box 11, Ithaca, NY 14851-0011, or by calling 1-800-843-BIRD to charge the \$7 fee to a major credit card. The participant's fee helps to cover costs of data forms, analyses, newsletters and postage. Participants receive detailed instructions, a Larry McQueen bird-identification poster, data forms to return to the Cornell Laboratory of Ornithology and newsletters with new developments and results of the Seed Preference Test and other National Science Experiments.

Student projects are funded

The Community Partnership Fund Board, a part of the Public Service Center at Cornell, recently announced the awarding of eight Community Partnership Fund grants to student-developed social-action projects.

The CPF Board seeks to foster student leadership and social responsibility by encouraging students to take action against social problems by striving for the goal of empowerment. The board administers the CPF grants according to its philosophy, which seeks proposals that include elements of partnership, student management, social responsibility, evaluation and education. This year's awards, ranging from \$250 to \$1250, were presented to:

- **African and Latino Family Workshops Project** - Informational and instructional workshops involving parents of elementary school children;
- **Alpha Phi Alpha** - Dr. G. Alx. Gavin Memorial College Tour Program;
- **Hispanic Civic Association** - Establishment of an organizational center;
- **Minority Communication and Entertainment Leaders and Ithaca's Southside Community Center** - Video production studio;
- **National Society of Black Engineers** - Pre-college initiative;
- **Prison Partnership Program** - Education of at-risk youths through development programs;
- **Sigma Alpha Mu** - Ithaca-area church and community day care center improvements;
- **Urafilki** - Informational and instructional seminar series for adolescents.

If you are interested in becoming involved with providing opportunities for funding students' public service initiatives or wish to implement a project of your own, the Community Partnership Fund Board is now accepting applications for both membership and CPF grants. For further information, contact the Community Partnership Fund Board at 255-3836 or speak with Rachel Huang at 256-1408.

CU imposes hiring freeze

On Feb. 20, the university will implement an external hiring freeze for all non-academic positions. While the freeze is in effect until further notice, the university anticipates that it will last at least until June 30.

The statutory colleges have been operating under a hiring freeze since early December, designed to achieve required state budget savings this year and reduce the number of layoffs required by the proposed state budget for next year. On Feb. 20, a freeze will be extended to all regular, non-academic full-time and part-time positions in the endowed division. Although there will be a freeze on external hiring in the endowed division, open positions may be filled by individuals who already are employed by Cornell or who are in layoff status. The more restrictive terms of the statutory college freeze remain in effect.

The university is taking this action in anticipation of potential budget reductions in New York state funding that have been proposed by Gov. Pataki. These reductions, if implemented as proposed, will have a significant impact on the operations of the four statutory colleges as well as the endowed division. By freezing external hiring, Cornell will retain the flexibility to assist individuals who may be laid off from their current positions.

This freeze will apply to all searches and appointments, except where offers were extended prior to Feb. 20. Only in special circumstances will exceptions be granted. The provost, senior vice president, deans and vice presidents will administer this policy and will be responsible for granting exceptions. Additional details will be distributed to administrative offices by University Human Resource Services.



Peter Morenus/University Photography

This home at 511 Cayuga Heights Road was purchased as the permanent residence for Cornell presidents.

Gift allows purchase of CU presidents' home

Cornell President Frank H. T. Rhodes announced Monday that a special gift to the university has made possible the acquisition and renovation of a permanent residence for Cornell presidents.

President and Mrs. Hunter R. Rawlings and their family will occupy a recently purchased home that formerly housed another Cornell president. President-elect Rawlings is scheduled to succeed Rhodes on July 1, 1995.

Located at 511 Cayuga Heights Road, the seven-bedroom residence sits on 2.9 acres in the Village of Cayuga Heights and was purchased for \$880,000. The Tudor-style home, constructed of Llenroc stone, was designed by architect J. Lakin Baldrige as his own residence in the 1920's. Baldrige practiced in Ithaca in the 1920's and 30's and left his mark on the city's architecture. Among his buildings are the county court house and city jail, as well as several residences in the Cayuga Heights area.

Cornell previously owned the home during the 1960's when it served as the resi-

dence of President James Perkins (1963-1969). The university sold the property after President Dale Corson, who succeeded

Perkins, chose to remain in his current home. The Rawlings expect to move into the residence in late June.

Cornell presidents' homes over the years

- Andrew Dickson White (1865-1885) lived in the A.D. White House on the Cornell campus.
- Charles Kendall Adams (1885-1892) lived in a house that stood on the site of Baker Laboratory on East Avenue.
- Jacob Gould Schurman (1892-1920) lived in the Adams house, which was torn down in the 1920's to make room for Baker Laboratory.
- Livingston Farrand (1921-1937) lived in the A.D. White house.
- Edmund Ezra Day (1937-1949) lived in the A.D. White house.

- Deane Waldo Malott (1951-1963) lived in his current house on Oak Hill Road. The A.D. White house during this period became the University art gallery.
- James Alfred Perkins (1963-1969) lived at 511 Cayuga Heights Road during his Cornell presidency.
- Dale Raymond Corson (1969-1977) stayed in his own home after he assumed the University presidency.
- Frank H.T. Rhodes (1977-1995) lives on Cayuga Heights Road.
- President-elect Hunter R. Rawlings will live in the Perkins house at 511 Cayuga Heights Road.

Budget continued from page 1

Delivering his remarks in a low-key fashion that sought to let the facts "speak for themselves," Bartlett suggested that many of the assumptions upon which the budget was based appear to be unrealistic. For example, although the budget's revenue estimates assume a slight increase in the system's enrollment to 159,000 students next year, the lump sum reduction and targeted program eliminations are likely to result in an estimated statewide enrollment loss of approximately 8,700 students.

Tuition rates in SUNY would increase by approximately \$1,300 per year, from \$2,650 to \$3,950, to meet the \$197 million tuition portion of the estimated revenue target. When combined with the budget's proposed reductions in the Tuition Assistance Program (TAP) and the elimination of both part-time TAP and TAP for graduate and professional students, the chancellor concluded that the recommendations would inevitably "change the numbers and mix of those who can afford to attend State University."

Pledging to maintain the quality of the State University as his first priority, Bartlett informed the legislative committees that he would approach that goal through "selective reductions" rather than across-the-board cuts. Promising to cut administrative costs in Albany and throughout the system, he asked the Legislature to provide additional management flexibility to the system to assist SUNY in an "all out drive for efficiency."

Campus mergers and closings, he informed the committees, will have to be "seriously considered even though the full fiscal benefits of closures will not be achieved during this budget year." Similarly, Bartlett pledged to "reduce, eliminate and consolidate programs consistent with student and staff obligation time frames."

Estimating that each additional \$10 million reduction in funding, whether beyond the governor's recommended cuts or as a result of SUNY's inability to meet revenue requirements, equates to the loss of 250 staff, Bartlett asked the legislative committees to reduce the impacts on people by authorizing a comprehensive early retirement incentive program that would take into account the academic year cycle.

They agreed that the state-level proposals could translate into budget reductions here at Cornell of approximately \$2 million in the current academic year ending June 30, and that they possibly could be as much as \$10 million next year depending on both the outcome of negotiations between the governor and the Legislature and SUNY's ability to make targeted structural reductions.

Tentative in-state undergraduate tuition levels might increase by as much as \$500 beyond the \$8,100 level initially presented to the Board of Trustees at its January meeting. Under a long-standing agreement that reflects, among other things, the provision of ancillary services to the statutory col-

leges by the endowed side of the university, Cornell remits to SUNY one-third of the tuition increases adopted by the State University for its state-operated campuses.

Representing Cornell in a Feb. 7-8 retreat of SUNY campus presidents with the chancellor to examine the implications of Pataki's proposed budget was David L. Call, the Ronald P. Lynch Dean of the College of Agriculture and Life Sciences. Call observed, "There's no question that if the general outline of the executive budget is accepted by the Legislature, the implications for the statutory colleges will be severe."

"In addition to making every effort to see that our elected representatives in the state Legislature are fully informed of the implications of the executive budget's recommendations for Cornell, special efforts will be made to secure an early retirement incentive program to facilitate the university's ability to cope with the level of personnel reductions that may become necessary," said Henrik N. Dullea, vice president for university relations.

Representatives of the Student Assembly and the Graduate and Professional Student Assembly, as well as other student volunteers, traveled to Albany this week to let members of the Legislature know their concerns over reductions in student financial aid, tuition increases, opportunity program eliminations and institutional budget reductions. Additional trips are planned.

'Contract' could hurt, Rhodes warns

By Larry Bernard

CAMBRIDGE, Mass. — Passage of the Congressional leadership's "Contract With America," that calls for reducing federal payments to universities for the costs of doing research, would be a serious blow to universities across the nation, Cornell President Frank H.T. Rhodes said Feb. 7.

"I am concerned about the discussion of the 'Contract With America' that talks about reducing by \$1.6 billion the federal government's reimbursement to universities for the indirect costs of conducting federally sponsored research. That could seriously erode the capacities of universities to conduct research," Rhodes said at a



Donna Coveney/MIT

University, industry and government officials gathered Feb. 7 at MIT to discuss the future of science and technology research. Speaking at a news conference were, from left: John H. Gibbons, special assistant to President Clinton for science and technology; Cornell President Frank H.T. Rhodes; and Charles M. Vest, MIT president.

'We cannot transfer to the backs of students that which is the proper obligation of the federal government.'

— President Rhodes

colloquium at the Massachusetts Institute of Technology (MIT) where 200 university, industry and government officials gathered to discuss the future of science and technology research in America.

The Republican contract also proposes to eliminate work study programs and reduce financial aid to students, which would have serious consequences for America's college students, Rhodes said at a news conference at MIT.

"We have to recognize the real costs of doing research," Rhodes earlier told the 200 participants. "And increasingly, if the federal government does not support these,

they will have to be transferred to student tuition. And that, to me, is an unacceptable solution to the problem."

Rhodes, who also is chairman of the National Science Board, the governing body of the National Science Foundation, continued:

"I know that students — undergraduates and graduates — benefit within the context of a research university. But we cannot transfer to the backs of students that which is the proper obligation of the federal government. We are in great danger here of seriously weakening the independent, private universities, which have been the pacesetters in so much of the research and development that has taken place. The full costs of conducting research need to be addressed," he said.

Indirect costs refers to money included in federal grants to pay for overhead associated with research, such as buildings, utilities, electricity and equipment maintenance. The amount is a negotiated, fixed percentage for each institution.

John H. Gibbons, White House assistant to the president for science and technology, gave the keynote address and also expressed concern over the conservative agenda.

"We are particularly concerned about proposals in Congress that there could be an overall cap or an across-the-board cut on university rates for facility costs," Gibbons said. "That would force unrealistic uniformity on diverse universities."

The participants gathered to discuss the Clinton policy report, "Science in the Na-

tional Interest," issued in August.

Charles M. Vest, MIT president, said the meeting was necessary to examine the status of science and technology research in the United States. "We are in a period of fundamental reconsideration of U.S. science and technology policy," he said. "The end of the Cold War, the changing nature of U.S. economic competitiveness and the increasing direct involvement of Congress in science policy have led to a lack of stability of goals and philosophy."

Concluding his remarks, Rhodes said he was optimistic. "I've been encouraged in spending a couple of days in Washington last week . . . and seeing the bipartisan support there is for science and in reaching a solution that will address our needs."

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• And finally, what is the appropriate level of federal oversight, given the need to balance the benefits of that oversight against the costs?

"It seems to me we need federal agencies to cooperate with one another in analyzing how much scrutiny is enough," Rhodes said, citing investigations into indirect costs, audits and the Justice Department charges, settled just last year, of university price-fixing that cost the named universities more than \$20 million to defend. "Are we in danger of killing the goose that laid the golden egg?" he asked.

"Those are the questions we need to address. If we can get them right, 50 years from now those gathering in this auditorium will say the document was the defining moment of this administration and was the foundation for our nation's prosperity and strength, and we need to work together to make that a reality," Rhodes said.

Giving the keynote address was John H. Gibbons, the White House assistant to the president for science and technology. Also attending the MIT session were the Clinton administration's top three science advisers from the Office of Science and Technology Policy and the Defense Department.

Gibbons agreed that "a coherent science and technology policy" that recognizes that basic science, applied science and technology "are profoundly interdependent" was needed. "Advances in fundamental science are made possible by technological advances. Sometimes applied research provides its own surprises," he said. He added that the president's budget "is a strong commitment to fundamental science."

Gibbons also told the group that a federal government "virtual agency" — the National Science and Technology Council, formed in November to bring together all the federal agencies that have a hand in research and development at the Cabinet level — could help the nation fulfill the five goals established in

the White House report, "Science in the National Interest."

The report "also emphasizes the link between science and education," Gibbons added. "Our country needs the best scientists and engineers."

Clinton's science adviser reiterated the administration's commitment to research. "We believe government is a vital partner in protecting our needs," he said, adding that "effective utilization of technology is a key to our efforts" to reinvent government and that leadership in science, math and engineering is of critical importance.

"These are highly interconnected goals. We can't afford to limit our future by limiting our inquiry," Gibbons said.

The overriding issue for the administration, however, is the budget and deficit reduction, Gibbons said. "It's critical that the budget deficit continue to be brought down. Discretionary funding will be highly constrained, even for science," he said, with the result that the "traditional, single-agency approach to problem-solving must give way."

Rhodes, questioned the ability of the National Science and Technology Council, the "virtual agency," to handle that task.

"It represents a government council, meeting on government issues . . . and it's met only once since it was formed. I find that inconceivable. How can we provide input?" Rhodes asked, citing the federal initiative in High Performance Computing and Communications, in which "no fewer than nine" federal agencies have a hand in its research and development.

The meeting came one day after President Clinton released a budget for university research, science and technology, calling for a 7 percent increase in academic research from all government sectors, a 3.5 percent increase in civilian research and an 8 percent increase in applied research.

In addition to Rhodes, also speaking were representatives from MIT, Yale and Harvard universities, and the science heads of six major corporations — IBM, DuPont, Ford Motor Co., AT&T Bell Laboratories, Biogen and Bristol-Myers Squibb Pharmaceutical. D. Allan Bromley, former presidential science adviser now dean of engineering at Yale, also addressed the group.

Industry representatives echoed the sentiment that the government must be committed to research. "We need more new ideas; we're running out of them," said Joseph A. Miller, senior vice president for research and development at DuPont de Nemours & Co. As corporations reduce their research staffs, he said, "We have a hard time envisioning where new inventions are going to come from. We're recognizing we can't get it all done ourselves."

Cornell's Scott, vice president of research who attended the talks, said that Rhodes raised important points. "The question of graduate education is a difficult one. How do you decide to reduce fellowships and support for graduate study? That's very troubling," he said. "And how does input get into the National Science and Technology Council?"

Charles M. Vest, MIT president, said the Clinton document "can form the basis of strong national commitment to science as being essential to the development of a vibrant future."

He added that universities "remain a precious national asset," but that "they must recognize the seismic changes in their environment, and they must strive to get their costs under control and remain affordable."

He concluded: "As leaders of government, industry and academia, we must build a strong, mutually supportive system for scientific advancement and technological innovation that serves the national interest in both the near- and long-term."

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each model to predict levels of math and science for each sex.

He found that the predicted value for girls in 1972 had no relationship for girls in 1992. However, the values for boys in 1972 and 1992 successfully predicted for both boys and girls in 1992 how much math and science they would take. He also found no significant relationships among the changes in demographic characteristics.

The findings suggest that parents chose different educational trajectories for their children in 1972, assuming that their daughters would marry and largely be supported by their future husbands. As a result, they did not encourage the girls to attain the educational foundations needed for careers that required substantial investments in math and science.

"In 1992, however, parents apparently viewed their daughters' futures differently. As a result, girls in 1992 invest in math and science for the same reasons as boys."

Lillard presented his findings to the 1994 Population Association of America's meeting in Miami in May.

Next, Lillard hopes to study how the different divorce rates and relative wages of women relate to the female enrollments in math and science courses. He hopes to better understand whether the changes in enrollment are more a reflection of a cultural shift in attitudes about women in the workforce or of uncertainty about whether the girls will be and, required to support themselves.

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ognize Ph.D. candidates will be at Barton Hall, Sat., May 27, 5 p.m.; family, friends, and faculty are invited. A reception follows the ceremony. Information will be in commencement packets available in March at the Graduate School.

Dissertation/Thesis Seminars will be held in the Morison Seminar Room, Corson/Mudd Hall: Master's on Feb. 14, 2 p.m.; Doctoral on Feb. 16, 2 p.m. The Thesis Adviser will discuss preparing and filing theses and dissertations.

Elections. Voting on March 7 and 8 for Student-Elected Trustee on the Board of Trustees; sites are the Big Red Barn, 11 a.m.-2 p.m.; Willard Straight, 10 a.m.-7 p.m.; Trillium, 10 a.m.-2:30 p.m.; and RPU and Noyes Dining, 5-8 p.m.

lectures

Africana Studies & Research

"Africana Studies and the Study of Gender," N'dri Assie-Lumumba, Africana studies, Feb. 22, noon, Hoyt Fuller Lounge, 310 Triphammer Road.

Classics

"The Politics of Pericles and the Parthenon Sculptures," Jerome Pollitt, Yale, Feb. 16, 4:30 p.m., Hollis Cornell Aud., Goldwin Smith Hall.

music

Music Department

All events are open to the Cornell Community and the general public and are free unless otherwise noted. For more information call 255-4760.

Feb. 16: Soprano Judith Kellock and pianist Xak Bjerken perform Barber's *Hermit Songs*; Copland's *Emily Dickinson Songs*; and Granados' *Canciones Amatorias*. 8:15 p.m., Barnes Hall.

Feb. 17: The last concert of the Schubert Festival is the song cycle "Winterreise" with poems by Wilhelm Müller. With bass-baritone Keith Earle and pianist Blaise Bryski. 8:15 p.m., Barnes Hall.

Feb. 18: Student recital, Lisa Brannigan, soprano and William Cowdery, pianist. Works by Handel, Brahms, Offenbach, Bernstein. 8:15 p.m., Barnes Hall.

Feb. 19: "Key Elements," 3 p.m., Barnes Hall. Admission charged.

Bound for Glory

Feb. 19: Lee Murdock, a traditional folksinger and songwriter, will perform at the Commons Coffeehouse, Anabel Taylor Hall; three sets at 8:30, 9:30 and 10:30 p.m.; free and open; kids welcome, refreshments available. Can also be heard from 8-11 p.m. on WVBR-FM, 93.5.

Cornell Folk Song Club

Folksinger Peggy Seeger will appear in concert at 8 p.m. Feb. 18 in Kaufmann Auditorium in Goldwin Smith Hall. Advance tickets (\$6) are available at Borealis Books, Rebop Records and the Commons Coffeehouse in Anabel Taylor Hall.

CRESP

"Throat Singers of Tuva" will perform Feb. 16



Peggy Seeger will perform American traditional and contemporary songs Feb. 18 in Goldwin Smith Hall.

at 8 p.m. at the State Theatre, 109 W. State St. Featuring bi-tonal singing by musicians from Tuva, in Central Asia. \$10 (advance); \$12 (day of the show). Reserve: \$15. Call 273-1037 to charge tickets. Tickets also available at Rebop Records, Ithaca Guitar Works or the State Theatre.

religion

Sage Chapel

Carolyn Breese, co-pastor, First Church, Middletown, CT. and David Call, dean of Agriculture and Life Sciences, will give the sermon Feb. 19 at 11 a.m. Sage is a non-sectarian chapel that fosters dialogue and exploration with and among the major faith traditions.

Festival of Black Gospel, 1 p.m.

African-American

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

Baha'i Faith

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

Catholic

Weekend Masses: Sat., 5 p.m.; Sun., 10 a.m., noon and 5 p.m., Anabel Taylor Auditorium.

Daily Masses: Mon.-Fri. 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 every Thursday at 7 p.m., Founders Room, Anabel Taylor Hall.

Episcopal (Anglican)

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

Friends (Quakers)

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

Jewish

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

Shabbat Services - Friday, 5:30 p.m., ATH: Conservative, Founders Room; Reform, Chapel; Orthodox, Young Israel, call 272-5810 for time.

Saturday Services - Orthodox, 9:15 a.m., Edwards Room, ATH; Conservative/Egalitarian, 9:45, Founders Room, ATH.

Meetings - Hillel meeting: Mondays, 4:45 p.m., G-34 ATH.; Torah study with Jessica: Tuesdays, 9 a.m., Commons Coffeehouse, ATH; Talmud Study with the Rabbi: Wednesdays and Thursdays, 9 a.m., Commons Coffeehouse, ATH; Interfaith relationship discussion group: Wednesdays, 4:30 p.m., G-34 ATH; Basic Judaism: Wednesdays, 7 p.m., G-34 ATH.

Korean Church

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

Latter-day Saints (Mormon)

Discussions on the Book of Mormon: Wednesdays, 7:30 p.m., 314 Anabel Taylor Hall. All are invited to come and discover the religious writings of ancient American cultures.

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

Muslim

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

Protestant Cooperative Ministry

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

Sri Satya Sai Baba

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

Zen Buddhist

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

seminars

Animal Science

"Regulation of Porcine Adipose Tissue Lipogenesis by Somatotropin," Diane Harris, animal science, Feb. 21, 12:20 p.m., K.L. Turk Seminar Room, 348 Morrison Hall.

Applied Mathematics

"Nonlinear Dynamics of Oversampling A-to-D Converters," David Delchamps, Feb. 17, 4 p.m., 456 Theory Center.

"Optimization Problems Arising in Electrical

The Festival of Black Gospel highlights Black History Month

The Festival of Black Gospel, the centerpiece of Cornell's Black History Month celebration, will be held Feb. 24 to 26.

This year marks the 19th year organizers have gathered some of the most prominent voices in gospel music on campus.

Hezekiah Walker and the Love Fellowship Crusade Choir and James Hall and Worship and Praise will open the festival with a performance Feb. 24 at 8:30 p.m. at Bailey Hall. Tickets are \$10; \$7 with CU ID, and can be purchased at Logos Bookstore on the Ithaca Commons and Willard Straight Hall ticket office. Group rates also are available.

Walker and the Love Fellowship Crusade Choir have sung on the recordings of Christian music favorites Carmen, Angelo & Veronica and the Grammy Award-winning Steven Curtis Chapman. Walker recently was named an honorary Fisk Jubilee Singer by Fisk University in Nashville. The choir's performance in Toronto led to the recording *Live in Toronto*, which collected the 1993 Vision Award and numerous nominations for Stellar and Dove awards. The recording hit No. 3 on *Billboard* magazine's gospel sales chart. The group's Feb. 5, 1994 recording, *Live in Atlanta, At Morehouse College*, has been placed in a time capsule at the college.

Hall has been writing, singing and directing gospel choirs since childhood. His Worship and Praise choir, created by Hall as a gospel choir for his Brooklyn high school, consists of 18 singers and instrumentalists.

The Worship and Praise Choir received national recognition for its first recording, *God Is In Control*.

One of the most popular events of the Gospel Festival is the performance of the Mass Choir, which will be held Feb. 25 at 7:30 p.m. in Bailey Hall. Anyone interested in singing with the choir must attend rehearsals that begin at 9 a.m. In addition to the Mass Choir, gospel choirs from across the Northeastern United States also will perform. There is no fee to attend the performance, but an offering will be collected. The Mass Choir will be conducted by Michael Brooks, producer and songwriter for the nationally acclaimed recording artists Commissioned and Witness.

An African-American worship service will be held Feb. 26 at 1 p.m. in Sage Chapel and at 6 p.m. in Robert Purcell Community Center on North Campus. Speakers will be the Rev. Jacqueline McCullough and evangelist Juanita Bynum.

Sponsors of the Festival of Black Gospel include Student Assembly Finance Commission, Cornell Concert Commission, Dean of Students' Office, Department of Theatre Arts, Africana Studies and Research Center, Ujamaa, Willard Straight Hall Program Board, Cornell Council for the Arts, Third World Student Program Board, Cornell University Program Board, Minority Finance Commission, Protestant Cooperative Ministry and the Episcopalian Church at Cornell.



Sharon Bennett/University Photography

Choir members from throughout the Northeast rehearse together under Eric Reed before performing as a mass choir last year at the 18th Annual Festival of Black Gospel.

Impedance Tomography," Fadil Santosa, University of Delaware, Feb. 20 12:15 p.m., 708 Theory Center.

Astronomy & Space Sciences

"Measurements of Magnetic Fields in Dense Galactic Environments," Jackie Davidson, NASA/Ames, Feb. 16, 4:30 p.m., 105 Space Sciences.

Biochemistry

"The Major Envelope Glycoprotein of the Baculovirus Budded Viron: Expression and Role in Viral Entry into Host Cells," Gary Blissard, Boyce Thompson Institute, Feb. 17, 4 p.m., large conference room, Biotechnology Building.

Biophysics

TBA, Feb. 22., 4:30 p.m., 700 Clark Hall.

Biogeochemistry

"Northern Prairie Wetlands & Climate Change: Long-term Simulations," Karen Poiani, Center for the Environment, Feb. 17, 4 p.m., A106 Corson.

Bronfenbrenner Life Course Center

"The Scope for Poverty Alleviation among Elderly Homeowners through Reverse Mortgages," Nandinee Kuty, consumer economics and housing, Feb. 22, 12:15 p.m., 114 MVR Hall.

Center for the Environment

"New York's Water Program: Past Success and Future Directions," N.G. Kaul, Water Division of NYS's Dept. of Environmental Conservation, Feb. 23, 12:15 p.m., 401 Warren Hall.

Chemistry

"High Precision C and H Isotope Ratio Mass Spectroscopy by Novel Continuous Flow Sys-

tems," J. Thomas Brenna, nutritional sciences, Feb. 16, 4:40 p.m., 119 Baker.

"NMR Transition Metal Polyhydrides: Rotational Tunneling and Quantum Exchange," Kurt Zilm, Yale, Feb. 23, 4:40 p.m., 119 Baker.

Chemical Engineering

"The Dynamics of Semi-Dilute and Semi-Concentrated Fiber Suspensions," R.R. Sundararajakumar, chemical engineering, Feb. 21, 3:45 p.m., 165 Olin Hall.

Cognitive Studies

"An Integrated Connectionist/Symbolic Architecture and its Implications for the Theory of Universal Grammar," Paul Smolensky, John Hopkins University, Feb. 17, 3:30 p.m., 202 Uris Hall.

Ecology & Systematics

"Molecular Evolution of the Primates," Todd Disotell, New York University, Feb. 22, 4 p.m., A106 Corson Hall.

European Studies

"The 1994 Hungarian Elections: Why did the Ex-Communists Win?" Howard Pearce, British diplomat, Feb. 20, 12:15 p.m., 153 Uris Hall.

Fishery Biology

"The Reality of Power Plant Impacts and Sustainable Yield of Fish Populations in Aquatic Systems," Ray Tuttle, NYSEG, Feb. 16, 3:35 p.m., 304 Fernow Hall.

"Fisheries Resource Management in Eastern Lake Erie," Don Einhouse, NY Dept. Environmental Conservation - Lake Erie unit, Feb. 23, 3:35 p.m., 304 Fernow Hall.

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Floriculture & Ornamental Horticulture

"Species in Theory and Practice," Jerry Davis, Liberty Hyde Bailey Hortorium, Feb. 20, 12:15 p.m., 404 Plant Science.

Food Science

"Molecular Simulation of Phase Coexistence," Athanassios Panagiotopoulos, chemical engineering, Feb. 21, 204 Stocking Hall.

"New Jersey's Kosher Enforcement Regulations," Rabbi Mindy Dombroff, Bureau of Kosher Enforcement, New Jersey Consumer Affairs, Feb. 20, 7:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Fruit & Vegetable Science

"Implications of New Potato Late Blight Strains," Bill Fry, Feb. 16, 4 p.m., 404 Plant Science.

"Disease Resistant Apples: Problems and Promises," Dave Rosenberger, Feb. 23, 4 p.m., 404 Plant Science.

Geology

"Simulation Modeling of Landform Evolution from Basin to Continental Scales," Alan Howard, University of Virginia, Feb. 21, 4:30 p.m., 1120 Snee Hall.

Genetics & Development

"Asymmetric Localization of PAR-2 in *C. elegans* Embryos," Lynn Boyd, Feb. 22, 12:20 p.m., small seminar room, ground floor Biotech. Bldg.

Housing Students for Children

"There Are No Children Here," Alex Kotlowitz, journalist and author, Feb. 20, 4 p.m., Uris Hall Auditorium.

International Studies

"The 'Pathological' City: Medellin in the 20th Century," Mary Roldan, history, Feb. 17, 12:15 p.m., 115 Tjaden Hall.

Immunology

"Stimulation-Secretion Coupling in Mucosal Mast Cells: The Role of Ca²⁺ and Protein Kinase C," Clare Fewtrell, veterinary medicine, Feb. 17, 12:15 p.m., Boyce Thompson Auditorium.

Laboratory of Ornithology

"The Perils of a Nesting Warbler," David Haskell, ecology and systematics, Feb. 20, 7:30 p.m., Fuertes Room, Lab. of Ornithology, 159 Sapsucker Woods Road.

Latin American Studies

"Intensive Indigenous Agricultural Practices: Snapshots from Bolivia," Jessica Robin, soils, crops & atmospheric sciences, Feb. 21, 12:15 p.m., 153 Uris Hall.

Materials Science & Engineering

"Innovative Optoelectronic Material and Device Technologies," Yu-Hwa Lo, Feb. 16, 4:30 p.m., 140 Bard Hall.

"Hydrogenated Amorphous Silicon and Its Technologies," Chris Wronski, University of Pennsylvania, Feb. 23, 4:30 p.m., 140 Bard Hall.

Near Eastern Studies

"Rise of Bourgeoisie, Decline of Empire: Ottoman Westernization and Social Change," Fatma Müge Göcek, University of Michigan, Feb. 16, 4:30 p.m., 230 Rockefeller Hall.

Neurobiology & Behavior

"Incorporating Group Selection into the Adaptationist Program: A Case Study Involving Human Decision-Making," David Sloan Wilson, SUNY Binghamton, Feb. 16, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Synaptic Transmission is Impaired in *Drosophila* Mutants of the Cysteine-String Protein Gene," Konrad Zinsmaier, California Institute of Technology, Feb. 21, 4:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

"Behavioral Endocrinology of Alternative Male Phenotypes," Michael Moore, Arizona State University, Feb. 23, 12:30 p.m., Morison Seminar Room, Corson/Mudd Hall.

Plant Biology

"Cytoskeleton and Mitosis in Liquid Endosperm," Andrew Bajer, University of Oregon at Eugene, Feb. 17, 11:15 a.m., 404 Plant Science.

Plant Breeding

"RAPD Markers for Day-Length Genes in Beans," Weikuan Gu, NYSAES, Feb. 21, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Citrus Tristeza Virus: Genome Characterization and Biotechnological Approaches to Disease Management," Hanumantha Pappu, University of Florida, Gainesville, Feb. 21, 3 p.m., A133 Barton Laboratory.

"Marker-Assisted Strategies for Enhancing Durable Host Resistance in Rice," Susan McCouch, plant breeding, Feb. 22, 12:20 p.m., 404 Plant Science.

Physiology & Anatomy

"On Retinoids and Retinoid-Binding Proteins," Noa Noy, nutritional science, Feb. 21, 4 p.m., T1 003 Veterinary Research Tower

Rural Sociology

"Alternative Agricultural Production Trajectories: Implications for Sustainability," Rick Welsh, rural sociology, Feb. 17, 3:30 p.m., 32 Warren Hall.

Society for the Humanities

"Indian Art in the Tapestry of the Modern," Daniel Herwitz, Feb. 23, 4:30 p.m., Guerlac Room, A.D. White House.

South Asia Program

"India and the GATT," Pramit Pal Chaudhuri, University of Maryland, Feb. 17, 12:15 p.m., G-08 Uris Hall.

Southeast Asia Program

"Taking the Social Temperature: Upland and Lowland Relations in Mainland Southeast Asia," Hjørleifur Johnson, anthropology, Feb. 16, 12:20 p.m., Kahin Center, 640 Stewart Ave.

Textiles and Apparel

"The Use of Mathematical Models of Fabric Drape in Apparel Design and Manufacture," Muthu Govindaraj, Feb. 16, 12:20 p.m., 317 Martha Van Rensselaer Hall.

"A Brief History of Fabric Structures in Architecture," Kent Hubbell, Feb. 23, 12:20 p.m., first floor faculty commons, Martha Van Rensselaer Hall.

Theoretical & Applied Mechanics

"A Visit with Audiokinetic Sculptures," Bob McGuire, Rock Stream Studios, Feb. 22, 4:30 p.m., studio at 233 Cherry St.

Women's Studies

"The Status of Women's Studies in Africa: The Example of Ghana, Cameroon and Uganda," Alice Adams, women's studies, Feb. 17, 3:30 p.m., ILR Faculty Lounge, Ives Hall.

"Gender Differences in Affective Disorders," Sally Severino, Cornell Medical School, Feb. 20, 4:30 p.m., 609 Clark Hall.

symposia

Romance Studies

"Cultural Cartographies," Feb. 17-18. Keynote speakers: "Crossing the Divide in an Age of Difference," Rebecca West, University of Chicago, Feb. 17, 1:30 p.m. and "Mapping the Heart: Reinventing the Emotions in 17th-Century France," Joan DeJean, University of Pennsylvania, Feb. 17, 4:30 p.m. All events are being held at the A.D. White House, in the Guerlac Room. Call 255-4264 for schedule.

theatre

Center for Theatre Arts

A Lie of the Mind is a play by Sam Shepard exploring the destinies of two families, linked by marriage but set apart by jealousies and distrust. Feb. 16, 17, 18, 19, 22, 23, 24, 25 at 8 p.m.; Feb. 19, 25 at 2 p.m.; Class of Flexible Theatre, 30 College Ave., \$6/\$8. Call 254-ARTS.

miscellany

Amnesty International

"Day of Action," Feb. 17, Kogi wa Wamwere, a former Cornell student detained in Kenya, faces torture and possible death sentence. Schedule of events: Write-a-thon, 10 a.m.-4 p.m., Memorial Room, WSH; Rally, noon, outside WSH; Dinner talk, 5:30 p.m., Founders Room, Anabel Taylor Hall; Public talk, 8 p.m., Kaufmann Auditorium, Goldwin Smith Hall.

CRESP

Annual meeting, Feb. 19, 3-5 p.m. in the Founders Room Anabel Taylor Hall; also a fire-side chat with Ithaca Mayor Ben Nichols and Jack Goldman, of 'The Bookery,' the originators, with William Whyte, of Cornell's 'Human Affairs Program' of the 1970's. They will share their reflections on "Student Activism, Then and Now."

"The Welfare Dilemma: Do We Have the Answers?" Discussion five successive Thursdays from 4:30-5:30 p.m. in Anabel Taylor Hall. Session 1: "What is 'the System' and How Does It Work?" Mary Webber, CRESP, Feb. 16. Session



Diane Ackerman, poet, author, adventurer and sensory epicure.

Cornell can be sensed in Diane Ackerman's new NOVA series

By Roger Segelken

An amorous Cornell cockroach and some people, too, have roles in the public television series, "Mystery of the Senses," hosted by Cornell alumna Diane Ackerman and set for broadcast Feb. 19-22.

The five-part NOVA mini-series expands on Ackerman's 1990 best-selling book, *A Natural History of the Senses*, taking cameras from the Arctic Circle to New Zealand forests, from street food vendors of New York City to stroke victims in Iowa.

One of the locations is the Mudd Hall chemical ecology laboratory of Thomas Eisner, where the pheromones of a female cockroach prove irresistible for a love-starved male of the species. Eisner, the Schurman Professor of Biology at Cornell, taught a CAU (Cornell Adult University) course along with Ackerman, and was a scientific adviser to the series, for which Ackerman serves as host and executive editor.

Peggy Haine, a senior writer and consultant in Cornell's Office of Communication Strategies, makes a brief appearance in an elegant dinner scene of the hour-long "Taste" segment. A long-time resident of Ithaca, Ackerman recorded her "voice-over" narration for the series in the Martha van Rensselaer Hall sound studios of Media

Services with the assistance of staff members E.J. Miranda and Nancy Fey.

"Mystery of the Senses" was developed by the Washington, D.C., public television station, WETA, and produced by Green Umbrella Ltd. for WETA and WGBH of Boston. The series, which begins at 8 p.m. Sunday, Feb. 19, on most PBS stations and includes two episodes on Wednesday, Feb. 22, is funded by the National Science Foundation; PBS and the Corporation for Public Broadcasting; the Cosmetic, Toiletry and Fragrance Association; and the Fragrance Foundation.

Described by PBS as a "poet, author and adventurer," Ackerman earned a Cornell M.F.A. in creative writing and an M.A. and Ph.D. in English. Her most recent work of nonfiction is *A Natural History of Love*, and she is completing a new collection of nature essays, to be titled, *The Rarest of the Rare*.

"I never strive to include science in my work," said Ackerman, who writes regularly for *National Geographic*, *The New Yorker*, *Parade* and whose poetry earned her the Lavan Award of the Academy of American Poets. "I just find that I can't keep it out. That's because I take the universe literally as 'one verse.' I don't divide it up into science on the one side and humanities on the other. It's all part of the rich tapestry of being alive."

2: "Food Insecurity: What Will Be its Impact?" Christine Olsen, nutrition, Feb. 23.

Emotions Anonymous

This 12 step group which helps people deal with emotional problems meets on Sundays at 7:30 p.m. and Tuesdays at 8 p.m. at the St. Luke Lutheran Church, 109 Oak Ave., Collegetown. For more information call Ed/Karen at 273-5058.

Mann Library

Free computer classes open to the Cornell community; to be held in the Stone Microcomputer Center, first floor, Mann Library. Call 255-5406 for dates, times and more information.

• Advanced Techniques for Using MEDLINE, Food Science and Technology Abstracts, CAB Abstracts and Other Menu Databases. • Newspapers Database. • Census Information. • Maps and Data. • Surfing the Internet. • Endnote: Create a Database of References.

Writing Workshop

Free tutorial instruction in writing is offered through the Writing Workshop Walk-in Service:

• 178 Rockefeller Hall: Sun., 2 to 8 p.m.; Mon.-Thurs., 3:30 to 5:30 p.m. and 7 to 10 p.m.
• Robert Purcell Community Center, Wendy Purcell Study Lounge: Sun.-Thurs., 8 to 11 p.m.
• 320 Noyes Center: Sun.-Thurs., 8 to 11 p.m.

sports

Home games are in ALL CAPS.
Records are as of Monday.

Men's Basketball (8-12)

Feb. 17, BROWN, 7:30 p.m.
Feb. 18, YALE, 7:30 p.m.

Women's Basketball (7-13)

Feb. 17, at Brown, 6 p.m.
Feb. 18, at Yale, 6 p.m.

Women's Fencing (9-15)

Feb. 17-19, Jr. Olympics at San Jose, CA

Women's Gymnastics (2-5)

Feb. 19, at Ithaca College Invit., 1 p.m.

Men's Hockey (7-11-3)

Feb. 17, at Clarkson, 7:30 p.m.
Feb. 18, at St. Lawrence, 7 p.m.

Women's Hockey (6-14)

Feb. 18, YALE, 2 p.m.
Feb. 19, PRINCETON, 2 p.m.

Men's Swimming (5-5)

Feb. 18, DARTMOUTH, noon

Women's Swimming (7-4)

Feb. 23-25, Eastern at Harvard

Men's Indoor Track (8-7)

Feb. 18, Kane Invitational

Women's Indoor Track (10-4)

Feb. 18, Kane Invitational

Wrestling (14-5)

Feb. 16, at Syracuse, 7:30 p.m.

Cornell Sports Network: Hear live play-by-play action for men's basketball (WTKO - 1470 AM) and men's hockey (WAVE - 103.7 FM).

CALENDAR

February 16
through
February 23

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

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

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

dance

Cornell International Folkdancers

All events are open to the Cornell community and general public and are free unless otherwise noted. Beginners are welcome; partners are not necessary. Balkan music jams are held on selected Sundays at 6:30 p.m. (call 257-7711.) For information, call 387-6547.

Feb. 19: 7:30 p.m., review of Open House dances; 8:30 p.m., open dancing and requests.

Israeli Folkdancing

Thursdays, 8 p.m., Edwards Room, Anabel Taylor Hall; instruction and request dancing, beginners welcome; free and open; info. 255-4227.

CU Jitterbug Club

Beginning Lindy Hop: Six week series starting Feb. 16, 8:30 p.m., at 209 N. Aurora St. Cost: \$36 / \$42. Call 273-0126 or 254-6483.

exhibits

Johnson Art Museum

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

Admission is free. Telephone: 255-6464.

• "Whistler and His Influence: Experiments on Paper," through April 2. Highlights the museum's collection of over 90 Whistler prints.

• "Alfred Stieglitz's Legacy: Photography into Art," through April 9. Drawn from the museum's permanent collection; includes work by Alvin Langdon Coburn, Gertrude Käsebier, Karl Struss and Clara Sippell, in addition to work by Stieglitz.

• "Between Light and Shadow: The Work of James Turrell and Robert Irwin," through April 9. American artists Irwin and Turrell use light and shadow to create uniquely contemporary art.

• "Traditional Arts of Southeast Asia," through April 2. This show presents ceramics and textiles from private collections and is presented in cooperation with the Southeast Asia Program.

• "A Splendid Diversity: Mannerist Prints from Parmigianino to Goltzius," through April 2. This exhibition includes nearly 30 16th-century prints from the museum's permanent collection.

• "The Machines of Leonardo da Vinci," through April 2. Leonardo used his artistic gifts to explore scientific concepts—many of which were advanced beyond his time. Drawings include proposals for a printing press, military tanks, flying machines, high-powered gears and a spring-driven automobile.

• 12 O'Clock Sharp, Thursday Noontime Gallery Talks: Feb. 23, Nancy Green, curator of prints, drawings and photographs will discuss "Whistler and his Influence: Experiments on Paper."

• Sunday Afternoon Artbreaks: "African American Artists: A Film and Gallery Discussion," with Ray Dalton, senior lecturer in art, Feb. 19, 2 p.m.

Kroch Library

"Hans Bethe: 60 Years at Cornell," through April 15. An exhibition documenting the life and work of German-born American physicist and Nobel laureate Hans Bethe. The exhibit is located in the Carl A. Kroch Library exhibition gallery.

films

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

Thursday, 2/16

"Freedom on my Mind" (1994), directed by Connie Field and Marilyn Mulford, 7:30 p.m.

"Dead Can Dance: Toward the Within" (1994), directed by Mark Magidson, 10 p.m.

Friday, 2/17

"Grief" (1993), directed by Richard Glatzer, with Jackie Beat and Alexis Arquette, 7:20 p.m.

"The Professional" (1994), directed by Luc Besson, with Jean Reno, Natalie Portman and Gary Oldman, 7:45 p.m., Uris.

"Like Water for Chocolate" (1991), directed by Alfonso Arau, with Lumi Cavazos and Marco Leonardi, 9:30 p.m.

"Reservoir Dogs" (1992), directed by Quentin Tarantino, with Harvey Keitel, Tim Roth and Steve Buscemi, 10:15 p.m., Uris.

"Dead Can Dance: Toward the Within," midnight.

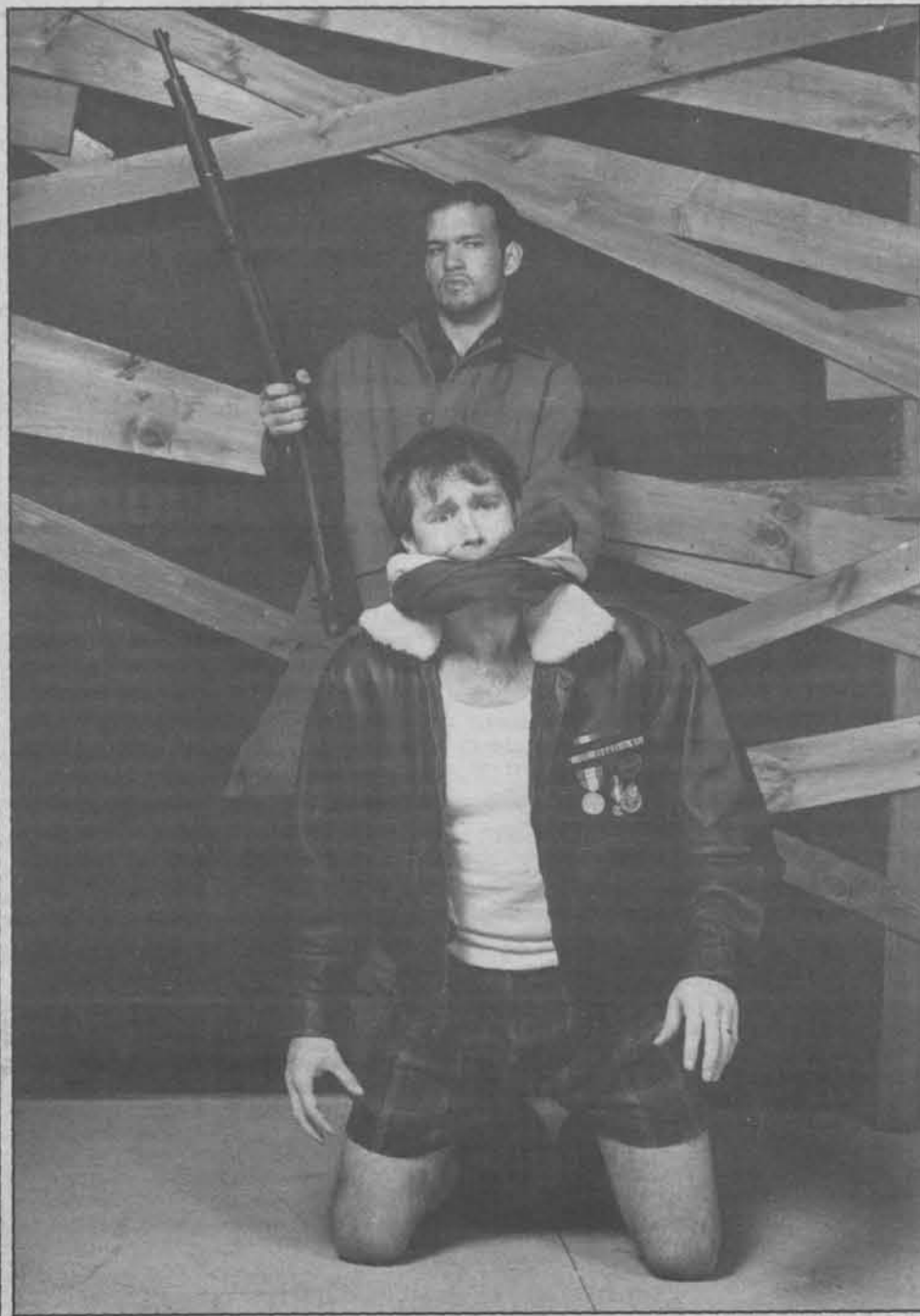
Saturday, 2/18

Ithakid film fest: "My Neighbor Totoro" (1993), directed by Hayao Miyazaki, 2 p.m., \$2/\$1.50 kids 12 & under. Also pre-register (\$5 fee) for Animation Workshop with Stephany Maxwell on Feb. 25 for 4-7 year olds by calling 255-3522 (25 children max.).

"What's Eating Gilbert Grape" (1993), directed by Lasse Halstrom, with Johnny Depp and Juliette Lewis, 7 p.m., Uris.

"The Neapolitan Mathematician" (1992), directed by Mario Martone, with Carlo Cecchi, Anna Bonaiuto and Renato Carpentieri, 7:30 p.m.

"The Professional," 9:30 p.m., Uris.



Thomas Hoebbel/University Photography

Greg Mitchell and Gabriel Rveda in Sam Shepard's *A Lie of the Mind*, playing Feb. 16 through Feb. 25 at the Center for Theatre Arts.

Sam Shepard play opens Feb. 16 at Center for Theatre Arts

A Lie of the Mind, Sam Shepard's award-winning drama, will open Feb. 16 at Cornell's Center for Theatre Arts and run through Feb. 25. Evening performances begin at 8 p.m.; matinee performances, Feb. 19 and 25, begin at 2 p.m.

The play, directed by Professor Bruce Levitt, theatre arts department chair, explores the destinies of two families linked by marriage but torn apart by jealousies and distrust.

The play's Off-Broadway run in 1988

brought numerous accolades, including the Drama Desk Award, the Drama Critics Circle Award and the Outer Circle Critics Award.

Levitt, who directed last season's *The Glass Menagerie*, has gathered an ensemble cast that features students Maria Dizzia, Carla Gallo, Eric Meyersfield, Jennifer Polansky and Gabriel Rueda and resident professionals Craig MacDonald, Greg Mitchell and Brenda Thomas.

For ticket information, contact the box office at 254-2787

"Like Water for Chocolate," 10 p.m.
"Reservoir Dogs," midnight, Uris.

Sunday, 2/19

"What's Eating Gilbert Grape," 4:30 p.m., \$3.50 matinee.

"Chan is Missing" (1981), directed by Wayne Wang, with Wood Moy Marc Hayashi and Laureen Chew, 7:30 p.m., Uris, free.

"Freedom on my Mind," 8 p.m.

Monday, 2/20

"Who's Afraid of Virginia Woolf?" (1966), directed by Mike Nichols, with Elizabeth Taylor, Richard Burton and George Segal, 7 p.m.

"Reservoir Dogs," 9:40 p.m.

Tuesday, 2/21

Southeast Asia Film Series: "Women of Telecommunication Station No. 6" and "Seventy-Nine Springtimes of Ilo Chi Minh," commentator: Christoph Giebel and Nora Taylor, 4:30 p.m., Kahin Center, 640 Stewart Ave., free.

"The Neapolitan Mathematician," 7:15 p.m.
"Pioneers in Performance and Video Art: Meredith Monk," 7:30 p.m., CTA Forum, \$2.

"Forest Gump" (1994), directed by Robert Zemeckis, with Tom Hanks, Gary Sinise, Mykelti Williamson, 9:40 p.m.

Wednesday, 2/22

"Manhattan," (1979), directed by Woody Allen, with Woody Allen, Diane Keaton and Mariel Hemingway, 7:15 p.m.

"Forest Gump," 9:30 p.m.

Thursday, 2/23

"Delicatessen" (1991), directed by Jean-Pierre Jeunet and Marc Caro, with Dominique Pinon and Jean-Claude Dreyfus, 7:30 p.m.

"Forest Gump," 9:40 p.m.

graduate bulletin

Course Changes: There is a \$10 charge for adding each course after Feb. 10. Courses may be dropped or credit hours or grading options may be changed through March 10 without penalty. Instructor of course and student's chairperson must sign the drop/add form. A course dropped after March 10 will appear on transcripts with a "W" (withdrawn). No course may be dropped or changed after May 5.

Income tax: International students with Cornell fellowships from which Cornell withheld tax will receive their Form 1042S by March 15. You need this form before filing your federal and state tax returns.

Commencement: Sunday, May 28. To receive a May degree, the deadline for completing all requirements is May 19. Deadlines are earlier to have a diploma available for pickup following the commencement exercises (March 15) or to have one's name appear in the commencement program (March 31). A ceremony to individually rec-

Continued on page 6



A scene from *Freedom on my Mind*, a documentary by Connie Field and Marilyn Mulford, and a history lesson about a key moment in the Civil Rights struggle.



Cornell International News

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Volume 5, Number 2 February 16, 1995

Larry Zuidema Retired From Cornell

Larry W. Zuidema, former Associate Director of the College of Agriculture and Life Science's (CALS) International Agriculture Program (IAP) and of the Cornell International Institute for Food, Agriculture and Development (CII-FAD), retired from Cornell University February 1, 1995. Zuidema relocated to the Netherlands, where he now works with the International Service for National Agricultural Research (ISNAR), part of the Consultative Group for International Agricultural Research (CGIAR) system. He remains affiliated with Cornell through the International Agriculture Program (IAP) in a part-time capacity as Director for European Programs.

Zuidema began his Cornell career as Assistant to the Director of the College's International Agricultural Development Program in 1964, became Assistant Director in 1973, and Associate Director eight years later. During the 30 years he was affiliated with CALS, he initiated (and in most cases also managed) many programs and activities that extended the work the College and the University around the world. In recent years his energies included a focus on Eastern and



In recognition of thirty years of service to the College of Agriculture and Life Sciences, Dean David Call presents Larry Zuidema with this plaque.

Central Europe, especially in Slovakia and Hungary, so it is fitting that Dean Call appointed Zuidema Director of IAP's European Programs. He will continue to work with and on behalf of Cornell faculty involved with programs at Nitra University in Slovakia and Godöllő University in Hungary, and in developing other programs in Eastern and Central Europe. His contact address in Europe is: ISNAR, P.O. Box 93375, 2509 AJ The Hague, The Netherlands. His e-mail address remains: LWZ1@cornell.edu.

Carol Bellamy, Director of the Peace Corps Visits Cornell



Ms. Bellamy's lecture of February 3rd opened with praise for Cornell. Not only is Cornell University the largest contributor of volunteers to the Peace Corps among institutions within New York State but, Cornell ranks sixth nationwide. Her credentials are impressive - Law Degree from New York University Law School, served in the New York State Senate for five years, Managing Director, Public Finance Department, Bear Stearns & Co. She also has the distinction of having served in the Peace Corps as a volunteer to Guatemala from 1963 to 1965.

Lecture attendees heard an impressive list of current Peace Corps efforts in Eastern Europe and Russia. From working with banks to refine operating, accounting and credit practices in Albania, to retraining workers out of work in Poland, to helping people in the Ukraine struggle with understanding "privatization" of activities, it was clear that the Peace Corps is helping developing economies. While volunteers still go to Africa, South America, or Asia and work in rural settings, there is a growing need for volunteers with business and educational backgrounds for economic development in urban areas.

While reminding listeners that the "Peace Corps is no Club Med", the point was made that the Peace Corps can be so rewarding that many volunteers serve for more than one two-year commitment. Volunteers run the gamut from teachers in their eighties to college students, with retired business people and experienced MBAs completing the mix.

Peace Corps currently has 6500 volunteers in 93 countries around the world and while new volunteers are always being sought, they get more applications in one year than they can use.

Before taking questions from the audience Carol Bellamy imparts, "I want to urge you to think about the Peace Corps as an option that is not only one in which you really do make a difference in making the world a better place to be in, but you change yourself. You enhance your own abilities and make yourself a stronger participant in this one-world economy that we live in today." As the world is changing, so too is the Peace Corps. Under Ms. Bellamy's direction, the Peace Corps will continue to be the "one government program that works."

International Graduate Exchange Network Established

by Alison Casarett

"More opportunities for graduate students to include an overseas experience in doctoral programs"



This was the very strong recommendation of the faculty when surveyed by Alison Casarett, former Dean of the Graduate School at Cornell who was charged by President Frank H. T. Rhodes with advancing international initiatives. The result is a pilot project - a small network of major universities who agree to accept doctoral students from other partners and to facilitate visits.

Many Cornell graduate students spend time at overseas institutions under arrangements made by them or their advisors, but there are often barriers. Specifically, there are financial limitations including tuition charges, institutional residence requirements, enrollment limitations, and bureaucratic processes. For the same reasons, it is not easy for students from other institutions to attend Cornell for part of a doctoral program although their presence can expand the international perspectives of faculty and students on campus, and can increase communication between academic colleagues.

A long-term solution could be an international system of shared graduate education with full portability enabling doctoral students to easily participate in the academic experience of other relevant institutions. To explore this concept, a pilot project has been initiated. An international network composed of a small set of doctoral-granting institutions agree to reduce the barriers to mobility between their institutions. These institutions agree to provide formal status to doctoral students from partner institutions, to assist in finding housing and other settling-in requirements, and to waive tuition charges. All partners agree to waive tuition but other expenses including travel and living will be the responsibility of the individual or the sending institution.

In the United States, the Universities of Wisconsin and Michigan have joined Cornell University in the network. Other members are the University of Leiden and Moscow State University. National Taiwan, Beijing and Makerere Universities and the University of Witwatersrand have indicated interest in joining. A number of other appropriate institutions are being contacted for possible membership. This is clearly a limited group and can only expedite arrangements for a few students. However, if this pilot project is successful, the group will be expanded as interest dictates.

Cornell doctoral students who are interested in spending a semester or a year at one of the member institutions as visiting graduate students should call Professor Alison Casarett (x5-7412) for details of the process. Faculty who have colleagues at one

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SOUTH ASIA PROGRAM AND NUTRITIONAL SCIENCES WELCOME NEW DELHI'S ALAKA BASU

by Karis Dorfman



Have advances in medical technology in India actually caused the status of women to deteriorate? What quantifiable impact will the predicted AIDS epidemic in India have on households? How can a demographer get beyond statistics and discover how culture affects reproductive behavior? These are a few of the research topics currently being explored by demographer Alaka Basu, Senior Research Associate in the Department of Nutritional Sciences.

Basu was a member of the Expert Group on Women and Population set up by the United Nations in preparation for the World Population Conference, and is currently a member of the Panel on Reproductive Health of the U.S. National Academy of Sciences. Before coming to Cornell, she was a fellow at the Institute of Economic Growth in New Delhi, where her teaching included classes to raise awareness among civil servants about social issues. Her research and field work has focused, in part, on women's status in the culture of India. "Currently, there is a great deal of prestige associated with child-bearing, especially the bearing of sons," stated Basu. "If women are given more economic freedom, birth rates will decline." A disturbing recent trend in-

volves the use of amniocentesis and ultrasound to determine the sex of a baby, and then to abort females. "The question is whether we can make women's education and work attractive enough to stop this practice," Basu asserted. "Unless you change society and the social norms, the legal restrictions will not have much of an impact." She is currently preparing a paper entitled "The Politicization of Fertility and its Implications for Common Security" for a meeting on *Population and Security* at King's College, Cambridge, in February of this year.

Basu is also the originator and architect of the Indian part of a United Nations Development Program (UNDP) study on AIDS in seven Asian countries. Her recently completed field work, entitled "Some Socioeconomic Implications of an Epidemic of AIDS in India," examines the impact of the predicted Indian AIDS epidemic on male-supported households. Basu is also chairperson of the International Union for the Scientific Study of Population, a group which seeks to blend the disciplines of demography and anthropology. "Traditionally, demographers have looked down on small samples. A survey can tell you data such as number of children, and whether or not a family owns a car or refrigerator. But to discover why a person wants or needs six children, you must go beyond a survey." This is where Basu hopes the techniques of anthropology, which involve few people and intense questions, will yield important data on attitudes and cultural issues affecting birth and death rates.

In addition to her academic writings, Basu is a regular contributor to various national newspapers in India, especially on gender issues which, she believes, can only benefit from more public debate. Basu received her M.S. in Biochemistry from University College, University of London and her M.S. in Medical Demography from the Centre for Population Studies, London School of Hygiene and Tropical Medicine, University of London.

FRENCH SCHOLAR TO LECTURE AT CORNELL AS VISITING HU SHIH PROFESSOR OF CHINESE STUDIES

by Laurie Damiani

Distinguished linguist and China scholar Alain Peyraube will visit the Cornell campus from February 22 through March 15, 1995 as the Visiting Hu Shih Professor of Chinese Studies. Peyraube directs the Centre de Recherches Linguistiques sur L'Asie Orientale in Paris, an institute affiliated with the Centre National de la Recherche Scientifique and the École des Hautes Études en Sciences Sociales. Educated at the University of Bordeaux, Peking University, and the University of Paris, Peyraube has lectured and taught in Hong Kong, Taiwan, the PRC, Japan, Europe, and the United States. He has served on numerous editorial boards and has authored and/or translated more than a dozen books and numerous articles on Chinese linguistics and popular culture.

Peyraube's presentations will focus on the theme of "Popular Culture and the Media in China." His keynote address, "Popular Culture and Mass Culture in China" is scheduled for Tuesday, February 28 at 4:30 pm in 122 Rockefeller Hall. From 10:00 am to noon on Saturday, March 4, Peyraube will join colleagues from Cornell and other universities in the central New York region in a panel discussion on "Film and Literature in China, Taiwan, and Hong Kong." The session, chaired by Edward M. Gunn (Professor of Chinese Literature, Cornell), will take place in 374 Rockefeller Hall. Additional panel members include Avron Boretz, Assistant Professor of Chinese at Hobart William Smith Colleges, and Cornell PhD candidates Wang Huazhi (Asian Studies) and Timothy Billings (Comparative Literature). On Tuesday, March 14, Professor Peyraube will meet with students in Professor Gunn's "Introduction to China" course to discuss the democracy movement in the context of the cultural revolution.

Individuals wishing to meet with Professor Peyraube or requiring additional information about his visit may contact Laurie Damiani at the East Asia Program office, 140 Uris Hall, 255-6222.

CIIFAD/Zimbabwe Smallholder Horticulture

CIIFAD is actively engaged in exploring the potential for improvement in income and nutritional status in Zimbabwe through increased production of fruits and vegetables. Numerous constraints that have prevented the realization of this potential are the target of CIIFAD's program activities, working with colleagues in the University of Zimbabwe, the extension service (Agritex) and the horticultural research arm of the Ministry of Lands, Agriculture and Water Resources, the Agricultural Development Authority (ADA), and private, non-government organizations.

A workshop, Smallholder Horticulture in Zimbabwe, held in Harare August 31 to September 2, 1994 was attended by about 100 participants who represented many government and non-government organizations. Cornell participants in the workshop included faculty: Enrique Figuera, Ralph Christy, Jim Hicks, Norman Uphoff and Chris Wien; and graduate student Njeri Gakonyo. Dr. Anne Turner, CIIFAD postdoctoral fellow who has completed her first year as visiting lecturer in horticulture at the University of Zimbabwe, was instrumental in organizing the workshop.

Twenty-one papers were presented in sessions focused on production and post-harvest handling, resource use and environmental sustainability, sociological and gender issues, and marketing and transport. The papers presented at the workshop and summaries of the discussion sessions are being edited for publication. Conference proceedings from a previous workshop have been published by CIIFAD: *Dambo Farming in Zimbabwe: Water Management, Cropping and Soil Potentials for Smallholder Farming in the Wetlands* (1994). Complementary copies of these proceedings are available from CIIFAD Publications, Sue Baker-Carr, 372 Caldwell Hall, Cornell University, Ithaca, NY 14853-2602.

Members of the Zimbabwe Smallholder Horticulture Program will be meeting with their Cornell counterparts in Ithaca in June to participate in a revision of the strategic plan of the program and to deliberate on future activities. In July there will be an in-country training course in postharvest handling of fruits and vegetables, led by Mr. Elvis Tembo, specialist for postharvest handling with Agritex, the government extension agency in Zimbabwe, assisted by Cornell faculty members Jim Hicks and Jim Bartsch. Mr. Tembo recently spent 12 weeks learning specialized techniques in handling and storage of perishable commodities with Drs. Hicks and Bartsch at Cornell, and another two weeks at the University of Florida learning about postharvest handling practices.

KAUSHIK BASU, FORMER PROFESSOR AT THE DELHI SCHOOL OF ECONOMICS, JOINS CORNELL

by Karis Dorfman



Kaushik Basu, recently appointed Professor of Economics and member of the South Asia Program faculty, has two major interests: development economics, and games and strategic decision making. The latter takes into account his research in industrial organization theory and the problems of knowledge and rationality. "Whether you have two countries engaging in a diplomatic deal, two companies involved in a price war, or two individuals interacting, what is 'rational' depends on what you know the other person will do. There are hierarchies of knowledge," explained Basu, who moved in August from Delhi where he was Director of the Center for Development Economics. "If you are determining how to dress for the weather, you don't worry about the games nature will play. But when dealing with a person, what I do depends on what I think he knows about me. The role of knowledge is very key in influencing rational behavior." Basu is currently writing about the problems of rationality and knowledge in game theory, and more generally in strategic environments such as politics.

His other interest, that of development economics, involves problems of developing countries. "In the 1980's, international financial institutions looked at India as one of the most reliable third world borrowers. But by the beginning of 1991, India was in a deep crisis, with everyone pulling their money out of the country," noted Basu. He explained that the cause of this crisis relates to interpersonal knowledge. "Banks which are lending to a third world country watch one another. If one bank pulls out and there is a risk that the country can't repay, the other banks will observe this. A small incident like this can spark a large crisis." He has been following and participating in the current debates on India's economic reforms, and has written works on anti-poverty programs in South Asia. Included with his earlier works are papers on the subject of agricultural economic relations, such as share tenancy, rural credit, and rural labor markets. Basu recently published *Lectures in Industrial Organization Theory* through Blackwell. He also published *Of People, Of Places: Sketches from an Economist's Notebook* (Oxford University Press) which is a book of light essays on academia with a focus on India. His current research includes international credit and export promotion; bargaining and uncertainty; and civil institutions and evolution. Basu received his Ph.D. in Economics from the London School of Economics.

MARIO EINAUDI CENTER TRAVEL GRANTS

Applications for the Einaudi Center Travel Grants are due by **March 1, 1995** and are available at the Einaudi Center, 170 Uris Hall or from your Graduate Field Representative.

CALL 255-6370 for further information.

Award letters will be sent out on **March 20, 1995**.

1994-1995 Hubert H. Humphrey Program Fellows Cornell University



Mebrat Alem

Ethiopia

Head, Fisheries Resources Development Department, Ministry of Agriculture. M.Sc., Fisheries, University of Liverpool, England.

Responsibilities: Fisheries resources management, conservation and development. Draw up short- and long-term plans and guidelines for community-based resource development and management. Evaluate fisheries policy. Formulate, monitor, and evaluate community needs-based projects.

Montfort Weruzani Chazama



Malawi

Principal Industrial Relations Officer, Ministry of Labour and Manpower Development. M.A. Development Studies

Institute of Social Studies, The Hague, Netherlands.

Responsibilities: Plan, coordinate and budget operations of the Labour services Department. Review of employment and industrial relations policies, arbitration of labor disputes and registrar of trade unions.

Saidou Sanou

Burkina Faso

Chief Officer of Resource Management, Integrated Rural Development Project (West Burkina).

Ph.D., Rural Sociology, Michigan State University.

Responsibilities: Conceive strategies and methods of natural resources management, and coordinate and assist project teams' efforts at the local level.

Grazyna Chorazykiewicz



Poland

Deputy Project Coordinator, Department of International Cooperation, Ministry of Labor and Social Policy. M.E. Economics and Organization

of Tourism, Higher Institute of National Economy, Varna, Bulgaria.

Responsibilities: Project management and coordination of various organizational, financial, and technical activities of the first Employment Promotion and Services Project in Poland; draw up and implement plans and targets; produce regular project implementation reports for policy and decision makers; liaise with internal and external experts and researchers.



Mitali Sen Gavai

India

Director, Integrated Child Development Services, Government of Maharashtra.

Master of Statistics, Indian Statistical Institute, Calcutta, India.

Responsibilities: Implement and monitor the Integrated Child Development Services Program for 3.1 million beneficiaries in 30,000 child-care centers. Services include health, nutrition, and early childhood education.

Alexandre Sgreccia,



Brazil

Principal, October 7th, Trade Union School. M.A. Sociology/Labor Relations, UNICAMP-SP, Brazil.

Responsibilities: Coordination of the educational activities developed by the school, and of the exchange and cooperation programs with similar organizations in Brazil and abroad.

Asuman Soylu



Turkey

Head, Department of Coordination and Training, Exportation Promotion Center. Prime Ministry, Undersecretariat

for Treasury and Foreign Trade. M.Sc., Plant Protection, University of Ankara, Turkey.

Responsibilities: Coordinate company-oriented integrated export promotion projects. Arrange general and sectoral export marketing training programs for Turkish exporters. Prepare publications and other materials to introduce and promote Turkish export products in foreign markets.

The Hubert H. Humphrey North-South Fellowship

The Hubert H. Humphrey Fellowship Program was established in 1978 in honor of the late Senator and Vice President to commemorate and carry forward Hubert Humphrey's lifelong commitment to cooperation and public service. It provides professionals from developing countries an opportunity to enhance their leadership potential and managerial skills. The specialized non-degree programs designed for Humphrey Fellows at selected universities are intended to strengthen and develop the Fellow's capacities to assume greater professional responsibilities, to give them an opportunity to broaden their perspectives, and to establish international professional contacts.

This is the fifteenth year Cornell has participated in this prestigious program. This year, twelve Fellows have been admitted through the Cornell Graduate School as non-degree candidates in the Field of International Agriculture and Rural Development. The program is administered by the International Agriculture Program in the College of Agriculture and Life Sciences.

Humphrey Fellows are mid-career professionals with a commitment to public service in both public and private sectors. Minimum qualifications include an undergraduate degree, substantive professional experience, demonstrated leadership qualities and fluency in English.

Fellows studying at Cornell are able to shape a personally relevant program of investigation and learning based on a combination of course work, independent projects, internships, field trips, special seminars, and consultations with faculty and off-campus experts in their field.

Faculty are encouraged to use this excellent source of expertise. Fellows may present seminars or paper, assist in the development of conferences, or act as consultants.

The Humphrey program offers all its participants the distinct privilege of learning and growing through cultural exchange.

Godfrey Turyahikayo



Uganda

Assistant Commissioner, and Head of Division of New and Renewable Sources of Energy, Ministry Natural Resources. M.Sc.,

University of Nairobi, Nairobi, Kenya.

Responsibilities: Plan, view, and advise government on policies and strategies for the development and use of indigenous renewable sources of energy.

Kesrat Sukasam

Thailand

Project Officer, Mekong Secretariat. Bangkok, Thailand. M.S.

Political Sciences, Thammasat University, Thailand.

Responsibilities: Plan, implement, and manage water resources development programs in the lower Mekong Basin (Cambodia, Laos, Viet Nam, and Thailand) focusing on agriculture, irrigation, fisheries, and forestry.

Humphrey Nzima



Malawi

Principal Parks and Wildlife Officer, National Parks and Wildlife. B.Sc.(2), Wildlife Biology and Biology and Psychol-

ogy, Colorado State University and University of Malawi.

Responsibilities: Project preparation and management; formulation of wildlife policy, supervision of wildlife education, research and control.



Fanny Szondy

Hungary

Advisor, Prime Minister's Office. M.S. Agriculture, University of Agricultural Sciences of Godollo.

Responsibilities: Consult with agricultural interest groups and associations; prepare draft proposals concerning agricultural interest groups for future legislation.



Maria Luisa Pardo

Honduras

Assistant Coordinator, RUTA Project Ministry of Natural Resources.

B.S. Civil Engineering, Universidad Nacional Autonoma De Honduras.

Responsibilities: Assist people working in project departments of the agricultural sector institutions in aspects such as project formulation and evaluation; and train them in the use of specific project appraisal and project control software.

Visiting International Fellows, Professors and Scholars

East Asia Program

ARAKI Toshio, Professor of Japanese History, Senshu University, Japan. 140 Uris Hall (mail); G02F Uris Hall (office), 255-1892. Professor Araki will conduct research on royal authority, social structure, and local history in early Japan through April '95.

CHEUNG Long Long, Teaching Associate from August '94 through May 1995 in the Department of Modern Languages and Linguistics, 203 Morrill Hall, 255-4087.

LEE Won-Duck, Vice-President, Korea Labor Institute, Seoul, Korea. Visiting Scholar, Industrial and Labor Relations International Initiative, G02F Uris Hall, 255-1892 (office). Dr. Lee will conduct research on paradigms of Korea's industrial relations through February '95.

SHIMIZU Sayuri, Assistant Professor of History, Michigan State University. Visiting Fellow, Peace Studies Program, 130 Uris Hall, 255-8917. Professor Shimizu will conduct research on U.S.-Japanese diplomatic and economic relations through May '95.

TIYAVANICH Kamala, Visiting Fellow, Southeast Asia Program, Kahin Center, 640 Stewart Ave., 255-4359; E-mail: kt13@cornell.edu. Professor Tiyanich will conduct research on religion and history in twentieth century Southeast Asia through June '95.

XUE Jinjun, Professor of Economics, Wuhan University, PRC. Visiting Fellow, East Asia Program, 140 Uris Hall (mail); G02D Uris Hall, 255-1912 (office). Professor Xue will conduct research on China's economic development through August '95.

YANG Kaizhong, Visiting Fellow, East Asia Program, 140 Uris Hall (mail); G02D Uris Hall, 255-1912 (office). Professor, Department of Geography, Peking University PRC. Professor Yang will conduct research on the changing economic structure of the South China region through April 15, 1995.

YU Sang Duk, Vice President, Korea Teachers' Union, Seoul, Korea. Visiting Scholar, East Asia Program, 140 Uris Hall (mail); G02F Uris Hall, 255-1892 (office). Vice President Yu will conduct research on teachers' union labor relations and the teaching of Korean literature in secondary schools through June '95.

ZHANG Xilu, Researcher at the Dali Bai Nationality Autonomous Prefecture Museum, Yunnan, PRC. Visiting Scholar, East Asia Program, 140 Uris Hall (mail); G02F Uris Hall, 255-1892 (office); From March 1, 1995 to June 30, 1995 Mr. Yang will conduct research in collaboration with Professor John McRae's project "Buddhism and Popular Religion of the Bai people of Yunnan" under the auspices of the Henry Luce Foundation's U.S.-China Cooperative Research Program.

ZHANG Xin, Professor of Economics, Xiamen University, PRC. Visiting Fellow, Department of Economics, 140 Uris Hall (mail); G02D Uris Hall, 255-1912 (office). From March 1, 1995 to September 30, 1995 Professor Zhang will conduct research on public sector economics in China.

Chalmers 150th Anniversary Visiting Professorship Announced

Professor Roger Trancik, College of Architecture, Art and Planning has been invited to serve as the Chalmers 150th Anniversary Visiting Professor during the academic year 1994-95.

This professorship was created by the Swedish Government when Chalmers University of Technology in Göteborg celebrated its 150th Anniversary in 1979. The appointment is offered to outstanding scientists in various fields.

Professor Trancik will be giving lectures and directing a design study of Göteborg's urban waterfront with Swedish architecture and planning students.

International Legal Studies

Visiting Faculty:

Herbert Hausmaninger

Professor, University of Vienna
Teaches in the areas of Roman Law, Comparative Law, and Russian Law

Wojciech Sadurski

Professor, University of Melbourne School of Law
Teaches in the areas of Philosophy of Human Rights and Theories of Social Justice

Fernando Tresón

Professor, Arizona State University College of Law
Teaches in the areas of International Law, International Human Rights, Jurisprudence, and Comparative Constitutional Law

Tibor Varady

Professor of Law and Director of Legal Studies of the Center Europeana University in Budapest
Teaches in the areas of Settlement of Disputes by Arbitration, Conflict of Laws, Private International Law, International Business Law, and Minority Rights

Visiting Scholars:

Judge Han-Heum Im

Seoul High Court
Seoul, Korea
Currently studying environmental problems which have become one of the most important issues in Korea

Nelson Geigel Lope-Bello

Director, Instituto de Estudios Regionales & Urbanos
Universidad Simon Bolivar
Caracas, Venezuela

Tamio Nakamura

Associate Professor of Law
Seikei University
Tokyo, Japan
Responsible for Seikei's course offerings in both European and American law, Professor Makamura is strengthening his background in American law.

New Joint-Degree Program with the Université de Paris I

Commencing in the fall of 1995, the Cornell Law School is offering an ABA-approved four-year joint-degree program with the Université de Paris I, leading to the award of the Juris Doctor degree from Cornell Law School and the French *Maîtrise en Droit* from Université de Paris I. The program is limited to a small number of highly qualified American and French students each year. The students will spend the first two years of the program at Cornell Law School and the final two years at the Université de Paris I. All participants must be fluent in both English and French.

CIIFAD* Annual Report 1993-94 Available

CIIFAD was established to mobilize and support the efforts of Cornell University faculty and students for promoting more sustainable agricultural and rural development in the poorer countries of Africa, Asia, and Latin America. The institute was set up both to support engagement in sustainable development activities overseas and to strengthen Cornell's capabilities to provide leadership worldwide in such efforts. The CIIFAD Annual Report 1993-94 provides a summary account of various joint undertakings by working groups of faculty, students, and international collaborators for improving learning and practice in these areas. Copies of this report are available from CIIFAD.

Publications, Sue Baker-Carr, 372 Caldwell Hall, Cornell University, Ithaca, NY 14853-2602.

*Cornell International Institute for Food, Agriculture and Development

Latin American Studies Program Hosts Visiting Fellow

Barbara Lynch, a development sociologist who studies natural resource management and environmental issues in Latin America and the Caribbean, is currently a visiting fellow in the Latin American Studies Program. From 1983 to 1988, as assistant director of the Irrigation Studies Group within Cornell's International Agriculture Program, she helped to coordinate interdisciplinary graduate student and faculty research and technical assistance activities. Her dissertation research on the bureaucratic transition in Peruvian irrigation was part of this larger effort.

More recently, her attention has turned to the impacts of environmental programs and policies on disadvantaged groups. Later, as extension associate in the Department of Natural Resources (1988-91), visiting assistant professor in Technology and Policy Studies at Carleton College (1991), and as a fellow Cornell's Society for the Humanities, her work focused on toxic policy, environmental justice, and environmental perspectives. Her interests in the Dominican Republic and the impacts of environmental policies on the powerless and her experience with water management issues are reflected in the Caribbean environment and development program that she designed as a program officer at the Ford Foundation from 1992-1994.

While at LASP, Dr. Lynch will study relationships between the environmental activists and scientific researchers working on water quality issues in the Dominican Republic and Cuba. It is hoped that the study will strengthen water quality monitoring efforts in both countries as well as stimulate collaboration involving Cornell students and faculty and Caribbean researchers, environmental activists and community groups.

CIIFAD Ghana NARMSAP* Conference

Cornell faculty Norman Uphoff, David Deshler, Josephine Allen and Steve DeGloria, along with graduate students Carla Denizard and Marybeth Bleecker Vargha will make up a delegation to a conference on natural resource management and sustainable agriculture in Accra, Ghana, March 20-25. Kwesi Opoku-Debrah, Cornell CIIFAD Extension Associate, is taking leadership in organizing the conference which is a collaborative effort with government officials, faculty members from the University of Ghana and the University of Science and Technology at Kumasi, World Vision Ghana, and other non-government organizations.

The NARMSAP conference will explore future directions and plans for managing natural resources and sustainable agriculture through farmer experimentation and extension of local, as well as external, knowledge. Farmer participation workshops have been held in 8 districts in preparation for regional representation by farmers in the March conference.

The conference is designed to build on the learning experience gained from a conference held a year ago that addressed community based sustainable development in the Greater Afram Plains, an environmentally fragile area that currently supports approximately 250 villages and over 650,000 rural poor. Previous efforts of collaborators have focused on community participation in potable water and sanitation education.

*Natural Resource Management and Sustainable Agriculture Program

Graduate Exchange Network

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of the partner institutions and would like to host a specific identified student from one of the partners should also call to get details. If faculty or students have suggestions of other potential partners Professor Casarett would be interested to hear of them.