

AGRICULTURE & LIFE SCIENCES NEWS

For Alumni and Friends of the College of Agriculture and Life Sciences

Fall 1990

New Institute Will Combat World Hunger, Malnutrition

THE COLLEGE OF AGRICULTURE AND Life Sciences has received the largest gift in its history—\$7.5 million—to establish a new institute to fight poverty, malnutrition and hunger facing hundreds of millions of people in poor countries in Africa, Latin America, and Asia.

The Cornell International Institute for Food, Agriculture and Development (CIIFAD) will be funded for the next five years with this gift from an anonymous donor, said David L. Call, dean of the college.

Call characterized the institute as a multidisciplinary, problem-oriented organization that will draw on faculty throughout Cornell to help less-developed countries boost their standards of living through agricultural and rural development.

Commenting on Cornell's new initiative in international development, Barber B. Conable, president of the World Bank, said, "Anyone who travels knows that Cornell is a global institution. The new institute adds a new dimension to the university's presence abroad for tech-

nical assistance, education, and development of underprivileged and poverty-stricken countries."

Call said the institute's major thrust will be to help needy countries develop their human resources to enable them to cope with their own problems through improved agricultural productivity and rural development. "Cornell has a long tradition of training students from the less-developed world and of working with academics and professionals from those regions to strengthen their capacities to attack problems facing their countries," he noted. "The institute will play a major role by educating people as to the nature of problems confronting developing countries."

Call cited rural poverty, malnutrition, population change and environmental degradation as key areas of study requiring special attention from the institute. Emphasis will be on agricultural technol-



Developing countries will gain trained graduate students and on-site research projects.

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Gene Mapping: Biotech Tools for Making Better Plants

WHAT'S HAPPENING EVERY DAY in a laboratory on the fourth floor of Bradford Hall seemed an impossibility just a decade ago. "What we're doing was only a dream, like people dream about going to Mars. There was no way to do it," says the lab's director Steven D. Tanksley.

What Tanksley, an associate professor of plant breeding, and his colleagues are up to could significantly impact the breeding of food crops: develop superior plant varieties at an accelerated rate; help insure our food supply against destruction from dramatic environmental changes; even unravel the mysteries of how plants behave as they do.

All because recent advances in biotechnology, principally the ability to replicate foreign DNA, have made it possible to create highly intricate maps—maps that pinpoint the locations of the tens of thousands of genes within a plant; maps that show where each of the plant's inherited characteristics resides within the chromosomes inside the nucleus of a single cell.

Although restriction fragment length polymorphism (RFLP) linkage maps have a rather off-putting name, their usefulness is easy to appreciate. As any driver in a strange city knows, you can reach your destination directly, without a lot of fruitless driving about, if you have a good road map at hand.

The same holds true for plant breeders, whose superior plants account for half of the increased agricultural productivity achieved in the last century. Breeders can go about their job more quickly and efficiently when they know exactly where to find particular genes.

Tanksley explains: "Traditional plant breeding is very time consuming because breeders don't have X-ray glasses to wear when walking down a field so they can tell which plant has better genes, say ones for disease resistance. To find this out took a series of tests that involve crossing different plants, growing them, applying disease agents, and waiting to see how the plant responds.

"With RFLP maps you merely clip off a bit of the leaf from a tiny plant—without having to wait for it to grow or applying the disease agent at all—run a DNA assay (test), and you will know for sure whether the plant has the gene for disease resistance or it doesn't. The maps potentially enable a breeder to develop a superior variety in a couple of years,

(Continued on page 5)

Outstanding Alumni to Be Honored

THE 1990 ALUMNI AWARDS BANQUET will be held Friday, November 16, at 6:00 p.m. at the Statler Hotel Ballroom on the Cornell campus. This year's banquet will honor four outstanding alumni as well as the 1990 Young Alumni Achievement Award winner. The evening will be hosted by Stephen Teele '72, newly elected president of the ALS Alumni Association, and William McKee '71, chair of the awards committee.

Reservations for the banquet may be made using the reservation copy on page 11. Register early to guarantee yourself a space.

1990 Young Alumni Achievement Award Winner



Charles P. "Chip" Bailey '84

Chip and his wife, Karla, farm 305 acres of apples, pears, cherries, and grapes near Lake Ontario in Wayne County. In only six years, they have created a thriving business widely known for its innovative growing techniques and environmentally sound pest control practices. In 1988 they received the New York Farm Bureau's Outstanding Young Farmer Award, and in January 1990 they were the first New Yorkers to win the American Farm Bureau's Outstanding Young Farmer Award. Chip is vice-president and board member of the Wayne County Farm Bureau and is an active member of several other agriculture organizations.



1990 Outstanding Alumni Award Winners



Donald M. Bay '55

After spending ten years in the agricultural, foreign, and commercial loan departments of Security Trust Company in Rochester, Don became general manager of the Upstate Milk Cooperatives in LeRoy, N.Y. in 1966. Under his twenty-three years of leadership, annual sales increased from \$44 million to \$210 million, and the cooperatives acquired new bottling and distribution systems as well as more than twenty dairy product companies. He was also instrumental in combining the Rochester, Buffalo, and Niagara Frontier producers into one organization. Don has served on the boards of several banks, been active in Cornell Cooperative Extension and the NYS 4-H Foundation, and is past president of the ALS Alumni Association.



T. Norman Hurd Ph.D. '36

Norm's distinguished career as both educator and public servant made him a well-known figure around New York State. He twice left teaching positions at Cornell to serve as director of the Division of the Budget under Governors Dewey and Rockefeller and later served as secretary to Governors Rockefeller and Wilson. After leaving state service, Norm spent two years in Washington, D.C. as part-time assistant to President Gerald Ford. Numerous colleagues have praised him as the role model for a generation of governmental managers. In 1987 he was the first recipient of the S. Kenneth Howard Career Achievement Award of the American Society for Public Administration.



Philip D. Gellert '58, M.S. '60

Phil joined his family's business, Pine Lane Poultry Farm, after receiving his M.S. in 1960. He assumed the presidency in 1967. After expanding the business through the 70s, he eventually discontinued egg production and became a diversified wholesale food distributor. He retired from active management of the company in 1986 and is now involved full time in real estate development. Phil has been an active member of the ALS Alumni Association for thirty years, serving as a district director. He chaired the Alumni Auditorium task force to support the furnishing of the large, modern classroom in Kennedy Hall. He is also a member of the college development committee.



Herbert R. Kling '36, M.S. '40

Herb has been an important agriculture industry leader for over forty years. As director of the Division of Dairy Services for the New York State Department of Agriculture and Markets, he was responsible for the administration of state milk marketing orders, the state licensing law, and the fair trade practices law governing the production and distribution of milk within New York State. He also played a major role in the development of the New York State Milk Promotion Program and has been an important adviser to the Empire State Food and Agriculture Leadership Institute. Since his retirement, Herb has served as a member of the staff of the New York State Legislative Commission on Dairy Industry Development and a member of the college development committee.

Alumni ALScapades '90 Postponed Alumni Awards Banquet Still on for November 16

BY UNANIMOUS DECISION OF THE executive committee of the College Alumni Association board of directors, with support from the dean, the Fall 1990 Alumni ALScapades/Leadership Conference has been postponed until 1991.

The decision is a result of staffing vacancies at both the executive associ-

ate and clerical support levels in the college alumni affairs office. Prompt filling of vacancies was delayed by severe state budget cuts affecting the entire statutory system at Cornell.

Alumni President Steve Teele '72 emphasized the need to focus attention on the following three priorities.

- ◆ Rebuilding alumni staffing

- ◆ Supporting the district directors and state coordinators at the local level

- ◆ Conducting the November 16 Alumni Awards Banquet

John C. Sterling '59, director of alumni affairs for the college, hopes the membership clerical support position will be filled by late August; the associate

director position by October 1; and the administrative assistant position by October 1. Until that time, much of the support will be provided by temporary and student help.

The Alumni board and its committees will meet November 16-17, canceling plans for an October 5-6 meeting. ◆

New Institute (Continued from cover)



Dean David Call (left) and Professor Daniel Sisler, who led group of faculty that drafted proposal for new institute.

ogy and productivity; human nutritional needs; conservation of natural resources; environmental protection; international trade; viability of families and the role of women in development; and policy improvement and implementation.

The bulk of the institute's funds will support academic training of graduate students from developing countries and research projects to be carried out in host countries by Cornell faculty and these students in collaboration with their counterparts in those countries.

Once a CIIFAD director has been appointed this fall, the institute will develop specific projects and activities, as well as identify target countries, Call said. While it is too early to discuss specific programs, preliminary contacts have been made with government officials and academics in the Philippines, Indonesia, Uganda, Zimbabwe, Honduras and Dominican Republic, he said.

"The institute will take a multidisciplinary approach to help people solve the many problems facing developing countries," Call said. "Cornell has academic resources and international experience unparalleled in their potential for contributing to resolving these problems."

More than 200 of Cornell's faculty members are interested in various aspects of international development and have expertise in the wide range of agricultural technologies and social sciences such as anthropology, business, economics, education, government, industrial and labor relations, law and planning.

Cornell agricultural economist Daniel G. Sisler, who led a group of faculty in drafting the proposal for the institute, said the majority of the world's population is concentrated in poor countries struggling to raise their standards of living.

"The threat to the balance between population, resources, and the environment, and the need for careful management to counter that threat have never been greater," he said. Sisler is the Liberty Hyde Bailey Professor of Agricultural Economics and an authority on the impact of technology and policies on food production in developing countries.

He pointed out that nearly three-quarters of the world's population of 5 billion live in the less-developed, low-income countries of Africa, Asia, and Latin America. The world population is expected to reach 6.1 billion by the year 2000.

Many of these countries already are confronted with serious problems, such as food shortages; high infant mortality; massive rural-to-urban migration; inadequacies in health care, sanitation, water, housing and education; high unemployment; and high foreign debt, he noted. These countries face a loss of fertile land because of soil degradation, lack of access to water for farming and human consumption, and extreme shortages in wood for fuel.

"One of the major challenges facing humanity is how to manage our resource and environmental endowment in a way

that will guarantee our continued survival and ensure the well-being of future generations," Sisler said.

Decades of experience

Call pointed out that over the past six decades, Cornell has addressed food problems in developing countries through research and training of professionals and students from several developing countries. As an example, he cited Cornell's involvement in rehabilitating the war-devastated University of the Philippines' College of Agriculture at Los Baños near Manila from 1952 to 1960. This rehabilitation was followed by a 10-year project from 1963 to 1972 to boost graduate education and research capacities of the college.

Cornell faculty also have been involved in a number of agricultural and rural development projects in countries such as China, Mexico, Brazil, Yemen, Panama, Sri Lanka, Nepal, India, Indonesia, Bangladesh, Peru, Ecuador, Guatemala, Botswana, Costa Rica and Kenya.

Cornell nutritionists and food economists are studying the effects of economic policies on the poor in Cameroon, Gambia, Ghana, Guinea, Lesotho, Malawi, Madagascar, Niger, Rwanda, Tanzania and Zaire. Launched in 1988 and led by Per Pinstrup-Andersen, a professor food economics, the study aims to help those countries understand how their economic adjustment programs affect the living standard of the poor and to identify better policies on incomes, employment, purchasing power, food consumption, and nutrition among low-income groups in those countries.

"These examples demonstrate that Cornell researchers and scientists have done excellent work in dealing with a multitude of pressing problems and issues confronting many developing countries," Sisler commented. "It is felt that the newly established CIIFAD, through a multidisciplinary approach, will make development efforts of Cornell faculty even more effective."

Yong Kim

From the Dean

THE COLLEGE RECENTLY GRADUATED over 900 outstanding seniors at a wonderful, sunny commencement. As the students leave campus, it is normally time to sit back, reflect, and make plans for the year ahead.

Unfortunately, because of the difficulties New York State has had in defining a budget, it is going to be a different type of summer this year. For those of you who aren't familiar with our budget situation, the state provides about 45 percent of our total budget. The remainder comes from various grants and contracts from federal and state agencies, from federal formula funds, from gifts by alumni and friends, from private corporations and foundations, and from tuition. The importance of the state funding cannot be over-emphasized; it provides the core support for our faculty salaries. Thus, when cuts are being made in the state budget, and these cuts are passed on through the State University of New York to Cornell, and ultimately to the college, it is a serious situation. Since we are treated relatively the same as all other state agencies, we can't complain, for we have benefited when state budgets expanded.

This year we find it necessary to cut about \$2.2 million out of our state budget, which includes the Geneva Agricultural Experiment Station. This will not be easy, as last year we had to reduce our budget by over a million dollars. We do not have any slack left to absorb the budget reduction, so we are making adjustments. We are trying to insulate our undergraduate program, so the major impact will be on research and extension efforts. We will be closing out some vacant faculty positions in low priority programs. I should point out that this is not a new occurrence, since we peaked in the number of people on our payroll supported with state funds back in the early 1970s. Since then, we have reduced the number of people on state funds by over 230.

But the college is larger today than it was then, for we have been successful in attracting other sources of funds, particularly in the research area and with special state initiatives in research and extension, so that the total employment is somewhat larger than it was in 1970. As our total budget is still over \$100 million, I keep telling our faculty and others to keep their eye on the doughnut and not the hole, that we still have enough funds to continue to do an outstanding job.

But I sense their frustration, because there are so many exciting new areas that we could be addressing. When faculty positions are closed out, it means we won't be able to pursue some of those areas on the cutting edge of science. Our programs in biotechnology and our support of basic science remain

strong. We have received a record gift of \$7.5 million, from an anonymous donor, to support our very strong international food, agriculture, and development efforts. Through special initiatives from the state, we have been able to maintain strong programs in support of the food and agricultural industry of the state, and we are making serious inroads in dealing with many of the environmental problems which our state and nation face.

Although budgets have to be cut again, I remain optimistic. One of the reasons for my optimism is the diversity of funds which support the college, and the ability of our faculty to attract support from a wide variety of sources. I am also optimistic because, again, we had an outstanding group of students apply for admission to the college, and the group who have signed on are as strong, or stronger, than any group of freshmen we have ever had.

I really must congratulate our faculty. They, over the years, have done a marvelous job of maintaining and expanding programs despite lower levels of core, or basic, support. They are very innovative and entrepreneurial, and our programs reflect that. Strong, continuing leadership and financial support from our alumni and friends have provided the lead with the means to do those extra things that help maintain morale and allow explorations of new ideas, even in a tight financial situation.

We thank you very much for your continuing support, which helps make this a unique academic entity. ♦

David L. Call '54



Alumni Auditorium Dedication Video Tape

Oct. 7, 1989

Purchase: \$18. Make check payable to Cornell College of Agriculture and Life Sciences.

Loan: One-week loan period, as copies are available. No charge. Copying permitted.

Write: Alumni Auditorium Dedication Tape, Office of Alumni Affairs and Development, College of Agriculture and Life Sciences, 268 Academic I.

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NEW ENGLAND ALS ALUMNI

Cornell Agriculture and Life Sciences

Alumni Day

At The Big E

(Eastern States Exposition)

West Springfield, Mass.

September 13. Reception 4 p.m.

Brooks Building

Registration Fee of \$8 includes

Big E admission tickets for the day

For ALS alumni and their families

(sent by return mail)

Please identify family members with

registration fee.

Reservation deadline:

September 4, 1990

Our host:

Eastern States Exposition

Make check payable to

ALS Alumni Association

Mail check and names to

Jane Longley-Cook, 1 Woodside Circle,

Hartford CT 06105

FACULTY NEWS

Robert C. Baker '43 has received the Distinguished Service to Agriculture Award from the New York State Agricultural Society. Baker has made many contributions to the food and agricultural system, developing 52 new poultry meat and egg products, 28 new fish and seafood products, and influencing countless students. He was director of the Institute of Food Science and Marketing and also served as the chairman of the Department of Poultry and Avian Science for seven years. Though retired after 40 years at Cornell, he can still be found there almost every day.

Thomas Eisner, the Jacob Gould Schurman Professor of Biology, has been named the 1990 recipient of the Tyler Prize for Environmental Achievement. Widely considered the largest and most prestigious award for environmentally related sciences, the \$150,000 prize is awarded to individuals and institutions of any nation who have benefited humanity in environmental fields. Eisner shares the prize with Jerrold Meinwald, the Goldwin Smith Professor of Chemistry, with whom he has collaborated for more than 30 years. The Tyler Prize Executive Committee called the scientists "the founding fathers of chemical ecology," the science that deals with chemical interactions between organisms in nature. While their studies are laying the basis for future advances in pest control and pharmaceuticals, their work also "gives voice to a disappearing resource, the biochemical ecosystem."

Lawrence S. Hamilton, professor emeritus of forestry, is the 1990 recipient of the Sierra Club's Raymond E. Sherwin Award "for his farsighted and sustained leadership in the protection of forest lands from New York to the tropics and to the Himalayas, combining the discipline of an ecologist with the intelligent care of a conservationist." Hamilton retired in 1980 after 29 years on the faculty. He currently is a research

associate at the Environmental Policy Institute of the Center for Cultural and Technical Interchange Between East and West, in Honolulu.

Robert W. Howarth, associate professor of ecology and systematics, has been named to two new committees of the National Academy of Sciences: the Committee on the Coastal Ocean and the Committee on Wastewater Management for Coastal Urban Areas. The coastal ocean committee will establish a national strategy of research and environmental management and report annually to Congress and the president. The wastewater committee has a mandate from Congress to review current practices of waste disposal in coastal cities and devise a new approach. Howarth is a specialist in the role of biogeochemical cycles in aquatic ecosystems.

Food scientist **John E. Kinsella** has been appointed dean of the College of Agricultural and Environmental Sciences at the University of California at Davis. He will assume his position Sept. 1 under CU-Davis Chancellor Theodore L. Hullar, former ALS director of research. "Dr. Kinsella is an outstanding scientist," Dean David L. Call, said, "and we are very sorry to lose him. He has played a vital role in our food science program. We wish him the very best as he accepts this very important position." Kinsella has been the Liberty Hyde Bailey Professor of Food Chemistry and the General Foods Distinguished Professor of Food Science. He served as chair of the Department of Food Science and director of the Institute of Food Science. He is an internationally recognized authority on lipid biochemistry.

Robert W. Langhans, professor of floriculture and ornamental horticulture, has been elected a Fellow of the American Academy of Arts and Sciences. A member of the Cornell faculty since 1956, Langhans is internationally recognized for contributions to his field, including

cloning chrysanthemums and carnations and doubling the yield of greenhouse roses in winter with high-intensity discharge lamps.

Simon A. Levin, the Charles A. Alexander Professor of Biological Sciences and director of the Center for Environmental Research, was awarded an honorary doctor of science degree by Eastern Michigan University during commencement exercises on Saturday, April 21, in Ypsilanti, Michigan. Levin delivered the commencement address in recognition of the 20th anniversary of Earth Day.

Joseph D. Novak, professor of science education and biological sciences, has been presented the Distinguished Contributions to Research in Science Education Award by the National Association for Research in Science Teaching. The award is the highest honor bestowed by the association, is made only periodically, and is considered the most prestigious award in all of science education. Novak was cited for research that has a major effect on the way science is taught. Additionally, his paper "Helping Students Learn How to Learn: A View From a Teacher-Researcher," received the Outstanding Paper of the Year Award of the Association for the Education of Teachers in Science.

Norman R. Scott is one of 80 U.S. engineers elected to the National Academy of Engineering this year. Scott was named "for pioneering contributions in physiological thermal regulation in animals and for engineering education and research leadership in agriculture and biology." Scott became Cornell vice president for research and advanced studies last year, moving from director of the college's Office of Research and director of the Cornell Agricultural Experiment Station in Ithaca. He also has been chair of the Department of Agricultural and Biological Engineering, where he continues to hold a professorship. ♦

FACULTY DEATHS



Wendell G. Earle, professor emeritus of marketing, died on April 3 at Tompkins Community Hospital. He was 66. Regarded as an outstanding teacher, Earle was a specialist in managerial decision-making, food distribution and food industry management, and small-business management. In 1977 he received the Professor of Merit Award presented annually by the graduating class of the college. Earle served on the board of directors of several national food firms and was widely active as a civic leader, including president of several area Boy Scouts of America organizations and of United Way of Tompkins County. Friends have chosen to honor him through gifts to the Wendell G. Earle Personal Enterprise Fellows Program.

Sedgewick E. Smith, professor emeritus of animal husbandry and a member of the Cornell faculty from 1942 until his retirement in 1977, died Feb. 11. He was 75. Smith worked for the U.S. Department of Agriculture and Animal Husbandry and was an animal physiologist with the U.S. Plant, Soils, and Nutrition Laboratory.

Leland Spencer, professor emeritus of marketing, died in June in Elmira, New York. He retired in 1964 after 44 years on the faculty, during which he also consulted widely for other universities and agencies, including the University of California, Berkeley, the New York State Legislature, the U.S. Department of Agriculture, and various milk marketing groups. At the time of his death, he was a member of the ALS alumni association and the Association of Cornell University Emeritus Professors. ♦

College Hosts First Campus Visit

SOME 30 ALUMNI AND FRIENDS OF the college invited by President Frank Rhodes attended a 24-hour visit to the campus for a close look at eight departments of the college: Food Science, Natural Resources, Nutritional Sciences, Communication, Biological Sciences, Plant Breeding and Biometry, Soil Crops and Atmospheric Sciences (formerly called Agronomy), Ecology and Systematics. Ronald Lynch '58 and John Dyson '65 were co-hosts. The program will serve as a model for future Agriculture and Life Sciences campus visits involving other alumni and friends in the future.



James Pierson '59 and John Dyson '65.

Top Right: Stephen Ashley '62, Tom Clark '63, Dean David L. Call '54



Below: Susan Lynch, Fred Hess '63, Ron Lynch '58, and David Palmer '58 listen to food safety expert, Professor Joe Hotchkiss

Center: The group learns the impact of genetic engineering with the Cornell-developed gene gun demonstrated by Karen Kindie.



Above: Dorothy and Fenton B. Sands '70 enjoy a break to sit in the Sands-sponsored seat in the Alumni Auditorium.



Right: James Tette, senior extension associate, explains the college's programs in ecological soil pest control procedures.



Left: Bob and Louisa Duemling '58

ALUMNI NOTES

by Catherine M. Coyne '90

30

Ralph S. Wilkes '34, Branchport, N.Y., retired in 1974 from Keuka College where he was the business manager/treasurer.

Inocente Fe Olivares '36 of Santander, Spain, retired in 1979 after forty years with the Department of Agriculture.

James B. Outhouse '38 of Lafayette, Ind., is President of the Lafayette Chapter's "People to People International." Since 1983 he has organized and led four overseas trips. He and his wife, **Louise (Maryland)** '34, celebrated their 50th wedding anniversary on March 25.

40

Isabelle Richards McDermid '41 of Dayton, Ohio, retired from teaching science in 1981 and is currently the chairperson of The Cox Arboretum Cactus and Succulent Collection.

Henry L. McDougal '41, Rushville, N.Y., retired in 1974 and is active in local, county, and state conservation organizations, as well as his local Lions Club Chapter. His grand-daughter, Katherine, is a sophomore at Cornell.

Longtime Ithaca resident **James S. Ainslie, Jr.** '42 is semi-retired and helping his son, **Bob** '78, operate his dairy farm.

After 36 years with Eastman Kodak Co., **John A. Wenrich** '45 retired and moved to Avon, N.Y., and is currently enjoying running his dairy farm there.

Ernest Mercier MS '44, PhD '46 was the initiator and administrator of the main policies involving the modernization of Quebec Agriculture during 1960-1966. He also implemented a joint Canada-Quebec Project at the international level between 1967-1979.

After 32 years of service, **Arthur N. Kanter** '49, Baton Rouge, La., retired from his executive vice president position with the Federal Reserve Bank of Atlanta.

50

James Preston '50 of Hector, N.Y., continues to work for Cornell Cooperative Extension on Leadership development for county agents. He continues to be involved in the Empire State Food and Agricultural Leadership Institute.

Following his retirement, **Harold R. Carpenter** '51 is serving as a consultant on international irrigation training and development policies in connection with Utah State University.

James H. Gallup '51 retired in 1984 from East Aurora Schools. He is the secretary/treasurer of Retired Agriculture Teachers of New York State.

60

Three Cornell professors attended the May 20 inauguration of **Lee Teng-hui** GR '68 to his first elected term as President of the Republic of China on Taiwan. He first became President in January 1988 upon the death of Chiang Ching-kuo. Lee studied agricultural economics for three years as a graduate student, receiving his Ph.D. in 1968. Representing Cornell at the inauguration were agricultural Economics Professors **Daniel G. Sisler** PhD '62 and **Bernard F. Stanton** '49, who taught Lee at Cornell, and **Randolph Barker** '53, who worked with him on the U.S.-China Joint Commission for Rural Reconstruction.

According to the mid-February 1990 issue of *Successful Farming*, **Russ Wicks** '69 of Port Crane, N.Y., is "enabling his neighbors to expand their dairy operations by providing complete rations and by-products." His brother, **Ronald Wicks** '75, calls the plan "a modified California-style operation."

ALUMNA PROFILE



Janathin Miller Ph.D. '75

Last year Janathin Miller took a trip to Australia, the first vacation she's had since before she arrived in California in 1975—with a backpack, a sport car, a dog, and \$64. With such meager assets, she and her friend, Lindsey Ware, launched a high-risk entrepreneurial venture that became an award-winning mom and mom company.

Access Research Corporation, Miller says, "is the only women-owned, operated, and managed test equipment, engineering, and technical training firm in the country." Specializing in safety devices and computer software that signal and diagnose malfunctions in the operating systems of ships and airplanes, ARC does about \$8 million in business each year, primarily in government contracts.

Much of the credit, Miller says, goes to Ware ("She's never taken a finance or accounting course in her life; she's just a genius with numbers.") and their 120-plus employees located in seven offices around the country.

ARC has won national recognition as a humanistic company, because, she says, "Lindsey and I have probably been moral and ethical to a fault. Our competition makes a lot more money than we do. If they loose a contract on Friday they don't keep their people on. We've only laid off one person, ever."

Such an open management style is common to women-owned companies and brings a big payoff. "Statistics show that four of five new businesses fail within the first few years, but only one of five women-owned businesses fails," Miller claims.

The company's success and the recognition Miller has garnered (including the Arthur Young/Venture Magazine Entrepreneur of the Year Award) has brought her back to her first love—teaching. "Now when I lecture at a business school I can tell them about some very hard knocks, like the day Wells Fargo Bank walked out on me just because I was a young, unmarried woman who needed \$2 million to keep a company afloat. I can tell them what I did wrong, too." And she can tell them what she did right.

For Cornell, Miller chairs the task force on women's issues in entrepreneurship for the Personal Enterprise Program and serves on the President's Council of Cornell Women. *Metta Winter*

70

According to the Jan./Feb. 1990 issue of *Inside Track*, **Steven P. Shafran** '71, an environmental scientist from Farmington, N. Mex., "was selected as an adjunct professor with the College of Engineering Sciences, Technology and Agriculture."

Michael B. Sadofsky '76, Troy, Mich., is the vice president of marketing for Olga's Kitchen, a popular 56-unit restaurant chain.

Thomas P. Scott '78, Germantown, Tenn., received his MBA from Dartmouth in 1989 and is currently a consultant with Sparks Commodities, Inc.

80

Beth Snelbaker Saunders '81 of Arlington, Va., is working on a PhD in mathemat-

cal statistics at George Washington University, while her husband, **Richard Saunders** '81, is finishing his residency in orthopedic surgery.

Jeffery C. Fearn '82 received his PhD in 1987 from the University of Illinois at Chicago. Since then, he has been working at the Boyce Thompson Institute on campus studying plant microbe interaction.

Charles P. Cotsalas '83 has been promoted to vice president of Harold D. Baker and Co., a New York City based mortgage brokerage firm.

David A. Kramer '84 of Raleigh, N.C., is currently working on a PhD in biomathematics at North Carolina State University.

Thomas W. Schmidlin PhD '84 has been promoted to associate professor of climatology in the Department of Geography at Kent State University.

Robin L. Goldstein '85, Roosevelt Island, N.Y., graduated from Columbia Law School this year and is an associate at Gibson Dunn and Crutcher. She is engaged to **William W. Baker** '87.

Thomas P. Hayes '85, Weatherby Lake, Md., graduated from Stanford Graduate School of Business with an MBA in June 1989. He is in the process of starting up a business with **Jeff Genung** '84.

Richard A. Mathes '85 is in his third year in veterinary medicine at Oklahoma State University, Stillwater, Oklahoma.

Jack Kendall '86, Rochester, N.Y., is doing business/computer consulting for Arthur Anderson in the Maryland/Virginia/Washington DC area.

In January, **Hannah M. Mathers** '86 began a PhD program at Michigan State in plant breeding and horticulture.

Michael J. Ruzich, Jr. '87 is a first year student, concentrating in environmental law, at the University of California at Berkeley. Before law school, he worked as a research assistant at the Institute of Ecosystem Studies in Millbrook, N.Y..

After completing her MBA at the University of New Hampshire in May 1990, **Kimberly Brockett** '88 plans to marry **Michael Cappelli**.

Elisa Diamond '88 of Brooklyn, is attending the SUNY College of Optometry in New York City while her fiancé, **Tom Perreault** '89, attends Brooklyn Law School.

Dina Graubart '88 received an MA from Columbia University and is working on a doctorate in human development and psychology from Harvard.

Thomas J. Hankinson '88 recently came back from Tanzania, Africa, and now he and his wife are making arrangements to return there for two years of agricultural/missions work.

Charlotte A. O'Dockerty '88, West Lafayette, Ind., has completed her MAT degree in biology. Her fiancé, **Mark E. Will** '89, is currently a freshman at Purdue University in veterinary medicine.

Renee M. Schloupt '88 is finishing her MS in horticulture at the University of Illinois, Champaign, and will continue working toward her PhD. She is marrying **Jason Gascoyne** '88.

Elizabeth Shaghalian '88 is a second-year law student at Boston University.

Jill S. Silverman '88 is an MBA candidate at the Columbia Business School.

Janyce M. Wiener '88 earned her MA degree in magazine journalism from Syracuse University in May.

Jodi Wiener '88 received her master's degree in learning disabilities from Northwestern University in the spring of 1990. She plans to pursue her PhD.

Ed Koronowski '89 plans to enter the 1994 Class of Veterinary Medicine at Mississippi State University in Starkville and return to New York once his education is complete.

ALUMNUS PROFILE



Robert W. Bitz '52 and son Mark, M.S. '85

If Bob Bitz had it to do over again he would take more advantage of his Cornell education. Had he done so in the first place, Bitz says, he would have been far more successful in business. Today, this entrepreneur is New York state's largest turkey producer.

Bitz says he's since learned the value of a broad liberal education in working well with other people. "Our society is moving along very fast technically, but in our understanding of the needs and desires of people from many different economic and cultural backgrounds, we've fallen way behind. I've made a lot of mistakes in judging people because I didn't understand where they were coming from."

As a young man there were only fleeting questions in Bitz's mind about whether to follow in his parents' footsteps. He was raised on what became known as the Plainville Turkey Farm, established by his great-grandfather in 1835. "While my family didn't say so, I felt I'd be letting them down if I didn't continue to be a farmer."

But Bitz's farming style is a far cry from his parents' day when they raised 6,000 turkeys a year as a sideline to milk and vegetable production. Today the 700-acre farm is a vertically integrated operation—including raising poultry, growing corn, making feed, processing and marketing—that annually produces 400,000 of the state's 500,000 turkeys.

In addition to whole turkeys, the business produces processed turkey products including smoked boneless breasts, raw ground turkey, luncheon meats, breakfast sausages, dressings and gravy. (This extensive line began in 1959 when a Suffolk County Cooperative Extension agent first showed Bitz how to bone a turkey by hand.)

Statewide, turkey production today is only half what it was when Bitz joined his father as a partner in 1952, yet his operation continues to increase production at a steady rate of ten percent a year. Not only is he strong on marketing and on high quality, but Bitz also credits luck and a management style that combines risk taking with an underlying conservatism.

Ever willing to branch out into areas where he's had no previous experience, Bitz and his son Mark, MS '85, who now manages the farm, recently sunk \$100,000 in an aquaculture project that proved impractical after only a year. "Sure we'll miss the money," Bob Bitz says philosophically, "but losing it didn't jeopardize anything else we're doing."

Bitz for many years has been an active alumnus of Cornell and the college. He is past president of the college's alumni association, a 1988 recipient of the Outstanding Alumni Award, and a Cornell trustee since 1985.

He is a firm believer in supporting Cornell students.

"When I went to Cornell I had the impression that I was paying my own way, but I wasn't. Students don't do it on their own, but have the help of many, many people. Let's not kid ourselves, tuition and state grants alone won't keep the place going. It behooves each one of us to do what we can—either by our time or our money—to make sure students coming along have as good an opportunity as we had, even better. Much of each of our successes happened because of our Cornell experience."

Metta Winter

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Boldt Appointed Assistant Dean



WILLIAM G. BOLDT, REGIONAL director for Cornell Cooperative Extension, has been appointed assistant dean of the College of Agriculture and Life Sciences. Boldt will provide leadership for college public affairs, including marketing, alumni affairs, and development, in the office of Dean David L. Call. Boldt received his B.S., M.S., and Ph.D. degrees from Oregon State University and has served in county, district, and state Cooperative Extension positions in Oregon, and as a marketing consultant to 24 universities in the United States and Canada.

For the past six years he has been the Southeast New York regional extension director and statewide marketing coordinator for Cornell Cooperative Extension. ♦

Walker Accepts University Research Post

TINA WALKER, ASSOCIATE DIRECTOR for alumni affairs in the College of Agriculture and Life Sciences, has accepted the position of director of corporate research outreach in Cornell's Office of University Research.

Walker joined the college alumni staff in 1987 as associate director for alumni affairs. According to John C. Sterling, director of ALS alumni affairs, "Walker has brought creativity, excellence, and direction to alumni programs that will guide us for many years." During her tenure, membership in the alumni association has grown from 4,200 to more than 6,100, and new programs have been established in young alumni, faculty speaker bureaus, alumni leadership training, and local alumni programs. Walker was responsible for the official dedication ceremonies for the Alumni Auditorium.

In accepting her resignation, Dean David L. Call said, "Tina provided the high standard of leadership we expect for our Agriculture and Life Sciences alumni. Our college is so much stronger for the spirit and leadership she brought to the alumni association." ♦

Gene Mapping (Continued from page 1)



Steven Tanksley reads an autoradiogram of a plant leaf that will be translated into numeric codes. A computer then will generate a map of the plant's genes to help guide the development of superior plants.

where by traditional methods it might have taken ten years or more."

What's more, from this tiny piece of leaf RFLP maps can reliably predict not only what a plant will be like when it matures but the performance of its successive generations by identifying recessive, or currently unexpressed, genes.

While speed in breeding new varieties is an impressive consequence of this new biotech tool, perhaps it's most significant contribution is to open the door to the immense genetic diversity available in wild plant species. Tanksley cites the tomato as an apt example. "Breeders know that all the different types of cultivated tomatoes grown around the world are based on only 5 percent of the available genetic potential. The other 95 percent, much of it found in the genes of exotic germ plasm, has in the past been largely out of reach."

RFLP has changed all that. "Genes are located along chromosomes, and they're physically linked on one big molecule of DNA. In traditional breeding techniques, for every desirable gene you transferred to a new plant, you brought along 10 or 20 other genes that surround it. And often these carried undesirable characteristics, such as poor flavor or an unattractive appearance. So it just wasn't practical to go for genes in exotic germ plasm. But with the maps, breeders can find the exact gene they want and transfer it while carrying far fewer of the other genes along."

The importance of creating more genetically diverse food crops is that such diversity acts as an insurance policy against environmental catastro-

phe. "If a plant has only one gene that makes it resistant to bacteria, when a new bacterial disease comes along that isn't affected by this single gene you've lost everything. But if you have 50 different disease resistance genes and one is ineffective you have 49 left."

As to unraveling the mysteries of growing things, Tanksley points out that while we depend on genes with economically important characteristics, like disease resistance, no one has ever isolated such a gene, no one knows how it works. "RFLP maps make it possible to someday isolate a single gene, and when we can do that we can learn the mechanisms by which genes operate, say how a plant protects itself against disease. At present we haven't any idea."

Today RFLP mapping is done in many laboratories, but the first such map for a plant was made by Tanksley's group in 1983. He and his colleagues have continued to refine this technology, which is likely to be one of the first of the new biotech tools to have an impact on plant agriculture. Thus far they have successfully mapped tomatoes, potatoes, and rice and have embarked on projects for wheat, oats, and barley. The latter work is being done jointly with Mark Sorrells, also a professor of Plant Breeding at Cornell.

Through support from the Rockefeller Foundation, which funds their work in rice, Tanksley's group has helped spread this vital new biotechnology throughout the world, training scientists from 10 different countries including China, Korea, the Philippines, and those in Europe, Central and South America. ♦

Metta Winter

Cornell Countryman

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THE YOUNG ALUMNI SECTION

by Megan Shull '91

AFTER SEEING AND TALKING WITH some of the alumni at graduation and reunion, I am starting to realize just how much I am going to miss Cornell come graduation next spring. So that I don't miss out on anything, I've compiled my own little list of must-do's before I march into Schoellkopf in June.

Top Ten Things to Do before Graduation

1. Appreciate friends. Let's get the corny but true ones out of the way first. One of the things I love most about Cornell is that I usually meet at least one new person every day. I have met some wonderful people. People who are amazing. People who are there for me when I need them. People from all different backgrounds, and places. People I have learned from and respect.

2. Tell favorite professors and instructors how much they mean to me. There are at least a dozen professors and people who have taken the time to add to my overall education at Cornell. People like Dr. Daniel Sisler, who has over 300 students in his introductory freshman class, but goes out of his way to get to know you.

3. Soak in the surroundings. Even though I have lived in Ithaca my entire life and I have had ample time to appreciate the beauty of Ithaca, there are still a couple of goals in this area. Take time out of my busy senior schedule to go to the top of the Johnson Art Museum (I may just stop and enjoy some exhibits along the way), and enjoy the breathtaking view. I also plan to visit every park in the immediate area. Taughannock, Butter-milk, Treman, Stewart Park. I must remember to catch at least one sunset at Sunset Park.

4. Get kissed on the Suspension Bridge. Go ahead laugh, but they say you're not a true Cornellian until this occurrence takes place.

5. Try every flavor of ice cream at the Cornell Dairy Store. My personal favorite is Kahlua Fudge but I still have 25 more to try out!

6. Yell at the top of my lungs when studying in the McKay Reading Room in Mann Library. Don't say the thought never crossed your mind. It gets pretty tense in there!

7. March up all 161 steps of McGraw Bell Tower. And listen to the chimes. These chimes give us all a feeling I sense will last a lifetime.

8. Eat at Every Cornell Dining Location. O.K., I admit it, food ranks up there on my priority list.

9. Invite Dean Call to dine with me at lunch. (This follows that eating theme.)

10. Learn every word to the Cornell alma mater. And then learn how to sing!

I'm sure, loyal alums that you are, you all know and sing proudly the Cornell alma mater. I invite you to come back and do some of the other things you never got a chance to do while you were here. In the meantime, I will be working all summer to meet the requirements of Goal No. 5. Hope to see you at Homecoming!

Questions asked of young alumni of the college:

What kind of events bring you back to campus?

Where do you get your Cornell news from, how do you stay in touch with the college?

What do you miss most about Cornell?

Jean Choi '87
Data Analyst
American Express Co.
New York City

Events on campus. I've only been back once, for Homecoming. I will come back for reunions and to see old friends.

Stay in touch. I am a member of the ALS Alumni Association. I get the *ALS News*. I also read *Cornell Alumni News*. Occasionally I round up a group of friends and go to Cornell events in the New York City area.

Miss most. I miss the campus. Coming from the city, it is really beautiful up there. I miss just walking around campus and being carefree.

David M. Chies '85
Assistant Vice President
Agriculture Commodities
Merrill Lynch
Saginaw, Michigan

Events on campus. Since I graduated, I have only come back one time. Fraternity events (Alpha Gamma Rho), Homecoming, and dairy cattle events are all things that I hope to come back for in the future.

Stay in touch. I just joined the ALS Alumni Association. I get *ALS News*. I also get news from past classmates, brothers, the New York Holstein Association, and professors.

Miss most. I miss the interaction with students from many different backgrounds. Working with the best professors in the country. The scenery and aesthetics of the university. I also miss all the Ithaca hills. In Michigan it is awfully flat!

Judi Schuhmeil Clippinger '85
Legal Administrator
Clippinger Law Office
Syracuse, New York

Events on campus. Seeing old friends brings me back to Ithaca.

Stay in touch. I just joined the ALS Alumni Association, and I read the *ALS News*. I also keep in touch with friends who are still in the Ithaca area.

Miss most. I love Cornell, and I miss everything about it. The stimulation of the professors, faculty and students. The beauty of the campus and the resources that are there. The libraries. The diversity of organizations, speakers, and cultural events.

Timothy Artlip '83
Grad Student,
Plant Physiology
Texas A & M
College Station, Texas

Events on campus. Since I am busy with graduate school right now, it is hard for me to come back to Ithaca. But I usually try to fit in a visit at Christmas time.

Stay in touch. I am a member of the ALS Alumni Association, and I read the *ALS News*. I keep in touch with other alumni and my fraternity house (Alpha Zeta). I also read scientific journals of research that goes on at Cornell. It really is beneficial to keep in touch with the college. It did well by me, and I'd like to help the college any way I can.

Miss most. The scenery, definitely the scenery. Turning in a close second, the eclectic atmosphere, the sense that there is always something going on.

Linda Goldsmith '88
Environmental Scientist
Thomson Laboratories,
The Stocks Cosgrove
Castlethorpe, Milton Keynes, England

Events on campus. It's a bit difficult to get back to homecoming and reunions from 3,000 miles away. It would be nice to have a Zinck's night in England and include both students studying abroad from Cornell and alumni.

Stay in touch. I have just joined the ALS Alumni Association. I get news about people from my friends. But news of events and buildings from the *ALS News*.

Miss most. The people I was there with. The challenge of Cornell. When you are there you are really challenged. And I also miss the diversity.

Thomas W. Ching '85
Director of Horticulture
Department of Parks and Recreation
New York City

Events on campus. Conferences on relevant subjects. Special events like the opening of the new Plant Science Building. And, of course, the vineyards, the Finger Lakes area, and sailing on Cayuga Lake.

Stay in touch. I am a member of the ALS Alumni Association. I also stay in touch with faculty members and Cornell Cooperative Extension in New York. I actually read my *ALS News*, and look forward to getting it.

Miss most. I miss the Orchard, Minns Gardens, and Cornell Cinema. And, of course, "Ithaca is gorges," and I miss the gorges.



Alumni Association Membership Changes

WE APOLOGIZE FOR ACCIDENTALLY omitting or listing in error the following Alumni Association members from the 1989 member roster, which appeared in the April 1990 issue of *ALS News*. If we have made other errors, we want to know about it and will do our best to make it right for you.

- Alumni Membership Additions
Auburn, NY
Winfield C. Boehler '50
Tunkhannock, PA
James H. Rice '40
Ithaca, NY
Marlin G. Cline 'GR

KEYS FOUND - EARLY AUGUST
On red Alumni Association Member key ring. Two (2) aluminum (one with yellow ribbon), and one (1) small blue key. Returned by mail.
Contact Alumni Office: (607) 255-7651.

New student director on alumni board **Stephen Black '92** (left) visits with "Young Alumni Section" writer **Megan Shull '91** (center) and **Thomas Cosgrove '90**, retiring student director on the board.

Cornell Maple Syrup
A unique gift

The college's Department of Natural Resources can ship Cornell-brand maple syrup in "mailable" plastic jugs anywhere in the United States. Each jug carries the label reproduced above, which indicates the syrup's production in Lake Placid.

Pure Cornell maple syrup is produced at the Uihlein Sugar Maple Research-Extension Field Station in the Adirondack Mountains. Sales support sugar maple research and extension.

You or alumni you know can order maple syrup as these prices:

Size	Price by Zip Code	Prefix
	01 to 50	51 to 99
Pint	\$8.90	\$9.50
Quart	13.20	14.25
Half-gallon	20.90	22.40
Gallon	35.70	38.40

Contact Lewis J. Staats, Uihlein Sugar and Maple Field Station, Bear Cub Rd., Lake Placid NY 12946. Phone, 518-523-9337.

Moving?

Stay in touch with your alma mater through uninterrupted delivery of *Agriculture & Life Sciences News* by returning the change-of-address form below.

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Boosting Sugar Maple Production Today — and Tomorrow

IN THE LATE WINTER, WHEN THE snow begins to melt and the geese are honking overhead, more than 3,500 New Yorkers fall prey to an irresistible urge. Some say it's the redolent smell of boiling sap that each year lures them out of their offices, farmhouses, factories, and classrooms and into the chilly woods.

For others, it's the joy of re-enacting a ritual that goes back to the days of their great-grandparents, and to Native Americans before them. Try though they might to think of other things, sooner or later they'll be out there pounding in the taps.

John W. Kelley, director of the Uihlein Sugar Maple Research-Extension Field Station and associate professor of natural resources, understands the impulse. "Living in a world of rapid change, it's nice to have something that hasn't been adulterated," says Kelley. What he calls the genuine item, the real McCoy, is "like reaching back and touching something from long ago. That has a unique value to a lot of people."

So it would seem, because the price of pure maple syrup has little to do with consumer demand. "Although people may not buy as much," Kelley says, "they want real maple syrup regardless of what it costs."

In New York State, second only to Vermont in maple syrup production, this translates into a \$7-million-a-year industry. But with an annual output of only 330,000 gallons there's a long way to go to match the million gallons a year the state produced back in the 1800s. (Bad weather, too, has taken its toll in syrup production. Unseasonably warm temperatures in March resulted in a 23 percent drop in production this year.)

Yet the resource is there. The sugar maple is the state tree. It's number one in terms of forest growing stock, and there are more of them today than ever before. Maple syrup production is a viable enterprise, insists Kelley, and it's the station's job to provide the latest know-how to the state's thousands of small producers.

The field station was established in 1965 through the generosity of Henry and Mildred A. Uihlein of Heaven Hill Farm, Lake Placid. The Uihleins first leased, then later deeded to the college, 205 acres of prime Adirondack sugarbush on the outskirts of Lake Placid. In addition, they provided financial support to cover equipment and other start-up costs until the station could begin to generate its own funds. "The Uihleins are our benefactors," says Kelley. "They have helped us out as needs arise."

Today 197 of the 205 acres support 4,000 taps, producing an annual yield of 1,200 gallons of syrup. It's also the site of the field station's applied research and demonstration projects in the areas of production, processing, and sugarbush management (as part of the American Forestry Council's national tree farm system). Lewis J. Staats, an extension specialist in natural resources, has been manager of the sta-

tion since its beginning and is credited with much of its success.

"At the field station we address hands-on, practical questions, then share what we learn with producers through extension bulletins and a dozen regional schools we hold each January," says Kelley. In July the station also conducts an annual maple tour and trade show in cooperation with Cornell Cooperative Extension and the New York Maple Producers Association.

The station recently completed two long-term projects. The first documents the increase in sap volume (without reducing sap sugar content) achieved by using high-vacuum pumping in closed-tubing sap collection systems. This improvement in production should result in a significant increase in syrup production.

The second addresses a question syrup producers have been pondering for the last 100 years: How to boil down sap more efficiently? "You have to remove 90 percent of the water from 43 gallons of sap to make one gallon of syrup," explains Kelley. "In the conventional oil-fired, open-pan evaporator up to 50 percent of the production cost is fuel. We've developed an electrically operated, vapor-compression evaporator that is 32 times more energy efficient and five times less expensive to operate than the century-old, open pan method. What's more, the quality of the syrup is just as good or better."

While these two innovations boost production and profits for the industry today, research at the station also takes the long view. The remaining eight of the 205 acres are devoted to a 20-year cooperative effort with the USDA Forest Service in selecting and breeding trees of superior sugar content.

"Statewide the average sap content is two percent sugar," says Kelley. "The forest service has selected trees from eight maple sugar producing states that have a higher sugar content, as high as 12 percent in some instances. At the station we have a progeny plantation and a clonal bank of mature portions of all these trees. Once we identify those that are truly superior genetically, we could make thousands of duplicates available to producers for establishing sugar maple plantations. The expense in making maple syrup is getting rid of the excess water. So producing trees whose sap has a higher percentage of sugar has a very high potential payoff."

Maple syrup is a product from the land that's not exploitive, Kelley says. "With care you can tap the same tree for 90 years without harming it. Its production is an important part of a diversified, alternative agriculture that simply doesn't exit outside of North America."

The Uihlein Sugar Maple Research-Extension Field Station is dedicated to seeing that this unique contribution of American agriculture will not only be preserved, but thrive in the years to come. ♦

Metta Winter



Henry Uihlein at home with the late Mrs. Uihlein

Henry Uihlein saw his first Adirondack sugar shack at the age of seven. "That was at Long Lake back in 1903," he recalls. "I can remember the men explaining to me how they bored holes in trees and then white water ran out. From that they made the maple syrup." Twenty years later he was doing the same thing himself on land his father had bought near Lake Placid.

These boyhood experiences, Uihlein says, whetted his appetite to someday become a maple syrup producer himself. That dream came true in 1941 when Uihlein and his wife, Mildred, bought the land near Lake Placid that became known as Heaven Hill Farm. "I wasn't interested in becoming a farmer, but I had made up my mind that I was going to make maple syrup."

"We cut logs from trees on the property to build a modern sugar house, tapping 500 maple trees the first year. It was a real family affair. I did all the boiling and preliminary filtering and Mrs. Uihlein did the final filtering and the bottling and canning. Of course, I had help from Cornell in building the sugar house and getting the project underway; it was Cornell people who really taught me how to make maple syrup. While always a small operation

our syrup eventually become reasonably famous." Uihlein turned the business over to the college in 1965.

Uihlein's first brush with college wasn't because of maple syrup, however. He was bound for Cornell to study medicine when, in 1915, he contracted tuberculosis and moved to Lake Placid. Cured four years later, he stayed on in the Adirondacks becoming an avid promoter of amateur speed skating and other winter sports. Uihlein was influential in bringing the Winter Olympic Games to Lake Placid in 1932 and helpful in 1980 by serving on the Olympic Committee.

During the 1920s and '30s Uihlein returned to New York City, where he grew up, and became a director in the family-owned business, the Joseph Schlitz Brewing Co. of Milwaukee. He served as a director for 32 years and was named the only Honorary Life Director of the company. Uihlein became a farmer too, in the end, raising premier Jersey breeding stock. At his winter home in Indian Wells, California, Uihlein shows his collection of five classic automobiles. The rest of the year is spent at Heaven Hill Farm.

The Uihleins have been long-time supporters of the college and recognized by the Board of Trustees as foremost benefactors of the University. They established the Favor R. Smith Scholarship Fund to provide financial aid to students and donated the land and provided support for the Uihlein Sugar Maple Research-Extension Field Station, the Uihlein Farm of Cornell University at Lake Placid, and the Henry Uihlein II laboratory—a research farm and laboratory for the development of disease-free seed potatoes. In 1988 they gave \$1.5 million to create a new endowed chair, the Henry and Mildred Uihlein Professor of Plant Pathology, to further seed potato research.

Metta Winter

Membership

College Alumni Association

Now is the time to join 6,100 other alumni of the College of Agriculture and Life Sciences.

Name _____ Class year _____

Student ID Number _____ Major _____

Home Address: _____

City _____ State _____ Zip _____

Telephone Number _____ County _____

Business Title or Occupation _____

Street _____

City _____ State _____ Zip _____

Telephone Number _____ County _____

Biographical Notes: _____

Use separate sheet of paper if necessary

Suggestions for college alumni activities: _____

Dues:

2-year membership at \$20 _____ Spouse at \$14* _____

4-year membership at \$36 _____ Spouse at \$25* _____

Lifetime Membership at \$250 _____ Spouse at \$175 _____

_____ First installment on my Lifetime Membership at \$90 a year for 3 years

_____ First installment on my spouse's Lifetime Membership at \$65 a year for 3 years*

* 30% discount for joint memberships only

Non-alumni Faculty/Staff Non-alumni Spouse Friend

Please make your check payable to **ALS Alumni Association**

Mail to: Office of Alumni Affairs and Development,
268 Academic I, College of Agriculture and Life Sciences, Cornell University, Ithaca, NY 14853



High in New York's Adirondack Mountains, the ancient ritual of gathering and boiling down maple sap has been improved by shiny, new technology. Inset: Lewis Staats, station manager, checks a sample.

Scenic Prints of Cornell and Ithaca

A Perfect Gift



The college's alumni association is offering 10" x 13" museum-quality, color reproductions of four oil paintings by Victor R. Stephen, professor emeritus of communication. Alumni and faculty members chose these scenes, which represent the four seasons, as the most memorable of campus and the Ithaca countryside.

Send the following:

- Libe Slope....Spring Evenings _____ prints at \$10 each.
- Beebe Lake Bridge....Summer Night _____ prints at \$10 each.
- Taughanock Falls....Winter Morning _____ prints at \$10 each.
- Cascadilla Gorge....Fall Afternoon _____ prints at \$10 each.
- The Four Season Set: _____ all prints for \$35.
- Alumni Assn. members, \$30 a set. My membership expires: _____

Please add \$5 for delivery outside continental United States.
Enclose check or money order payable to ALS Alumni Association and mail to ALS Alumni Association, 268 Academic I, Cornell University, Ithaca, NY 14853.

Name _____

Address _____

City _____ State/Country _____ Zip _____

This is a gift order. Please mail to above individual, and enclose a card reading:

Maximizing Highly Appreciated Property . . .

. . . Or Having Your Cake and Eating It, Too

ALUMNI AND FRIENDS CAN MAKE gifts of property to Cornell, receive income for life, and pass the value of the original gift on to their children. For highly appreciated securities or property, the advantages and options can be very attractive to many Cornellians.

Let's assume George and Mary Browne, both age 60, own lake-front property or a farm valued at \$100,000. They purchased the property for \$20,000 and have made \$5,000 in capital improvements. Total investment in the property - \$25,000.

If the Brownes sell the property, they are liable for a tax on the capital gain of \$75,000. Mrs. Browne would like to give the property to Cornell, receive a tax benefit, and set up a trust to receive an annual income stream. Mr. Browne would rather pass the property on to their children.

They can do both.
If the Brownes give this highly appreciated property to Cornell, and Cornell sells the property and places the proceeds of the sale into a two-life unitrust, the Brownes could realize several advantages:

- ◆ Save \$21,000 to \$24,750 in capital gains tax;
- ◆ Receive a \$20,353 charitable tax deduction;
- ◆ Have an annual income of about \$7,000 the first year and, based on our recent experience in trust growth, enjoy an increased income stream in following years;

- ◆ Avoid probate and estate costs when one spouse dies.

But how can the original value of \$100,000 be passed on to a beneficiary as Mr. Browne would like?

An attractive option might be to purchase an 8-year, paid up \$100,000 life insurance policy from their insurance agent, such as a "last-to-die" policy. The \$100,000 would be paid to beneficiaries after the second spouse dies. The annual premium might be \$2,500 for those 8 years. By combining this gift with a \$100,000 insurance policy, the Brownes could pass \$100,000 tax-free to their beneficiaries with a modest premium over a few years. (Actual costs will differ depending on variable factors.)

And, perhaps most important

The Brownes will have a life-long sense of satisfaction and pride knowing that their gift will meet pressing needs for students and programs in a great college, a great university. There is no better feeling, no better service than the giving of oneself to help others.

Of course, there are many other options for a planned gift tailored to individual interests and needs, including outright gifts and other trust options, that can be tailored to the individual needs of the donor. Contact John C. Sterling, Director, Planned Giving, Dean's Office, College of Agriculture and Life Sciences, 265 Roberts Hall (607/255-7651) or Thomas Foulkes, Director of University Planned Giving, 55 Brown Road (607/254-6180). Both Cornell University, Ithaca, NY 14853. ◆

Your Cornell Fund Gift Can Benefit the College

YOU WILL BE RECEIVING YOUR Cornell Fund phone calls and pledge cards within the next several months. For more than 30 years, the Cornell Fund has provided alumni with the opportunity to support the university's colleges and programs with unrestricted gifts.

Please remember that in order to have your gift applied to the college, you must designate its use. You can do this by checking the "Agriculture and Life Sciences" line on the pledge card or by stating in a letter that your gift should support ALS. Otherwise, it will be applied to general university funds.

As in past years, your annual Cornell Fund gift will count several ways. It counts toward supporting the college or program of your choice. It will also count toward your class fund credit and provide you with Giving Society recognition. Gifts of \$3,500 or more will qualify you for Tower Club membership. Tower Club members are given special recognition at dinners held annually at several locations throughout the country. Also, if you designate gifts for different programs, their total value is applied to your class credit and Giving Society recognition.

Here are answers to some frequently asked questions about giving:

Why are unrestricted gifts so important?

Unrestricted gifts to the college are pooled in a general fund and applied to areas of need determined by the dean. They are available for scholarships, seminars, the development of new courses, the purchase of equipment, supporting visiting faculty, recruitment programs, and other areas in need of funding. This year, in light of the college's current budget crisis, the dean is placing special emphasis on building a large pool of unrestricted funds to meet critical needs for which there is no funding source.

How does the college recognize donors?

The college uses the Giving Society program established by the university to honor its supporters. All Cornell Fund donors are recorded in an honor role that the university publishes each year. Giving Societies have been established for various levels of gifts:

Cornell Donor	\$1 to \$99
Leadership Giver	\$100 to \$499
Charter Society	\$500 to \$999
Quadrangle Club	\$1,000 to \$3,499
Tower Club	\$3,500 and above

In addition, there are several recognition levels within the Tower Club:

Founders' Circle	\$5,000 to \$9,999
Dean's Circle	\$10,000 to \$24,999
President's Circle	\$25,000 and above

Will I receive a Cornell Fund pledge card this year?

Not necessarily. You will receive a Cornell Fund pledge card if you gave a gift last year or if you are a member of a reunion class. You may also receive a phone call from a Cornell Fund volunteer before receiving your pledge card.

Does the university accept gifts in forms other than cash?

Yes. Although gifts of cash are the most common form of giving, gifts of securities, personal property, and real estate are also encouraged.

What are matching gifts?

Many Cornell alumni are employed by companies that will match their employees' contributions to non-profit organizations. If you are employed by a gift-matching company, your company's gift will be added to the total value of your gift. Be sure to enclose the matching gift form with your personal gift.

If you need a Cornell Fund pledge card or if you have any questions, please call the Office of Public Affairs/Development at 607-255-7661 or write to 272 Roberts Hall. ◆

Willman Fund Helps Youth



about quality of meat and practice in judging animals.

As one means of helping to defray some of the cost of such meetings and to buy material like rope for halter making, an endowment fund was established in 1980 in Willman's name. Since then, more than 1,000 persons, many of whom were former 4-H members, have contributed nearly \$60,000 to honor Willman and support 4-H needs.

PROFESSOR HAROLD A. WILLMAN,

former State 4-H livestock specialist who came to Cornell in 1929, is still a strong advocate of the learning-by-doing method of teaching. Recently 4-H volunteer leaders and parents brought 200 teenagers to Cornell's livestock pavilion for some practice in learning

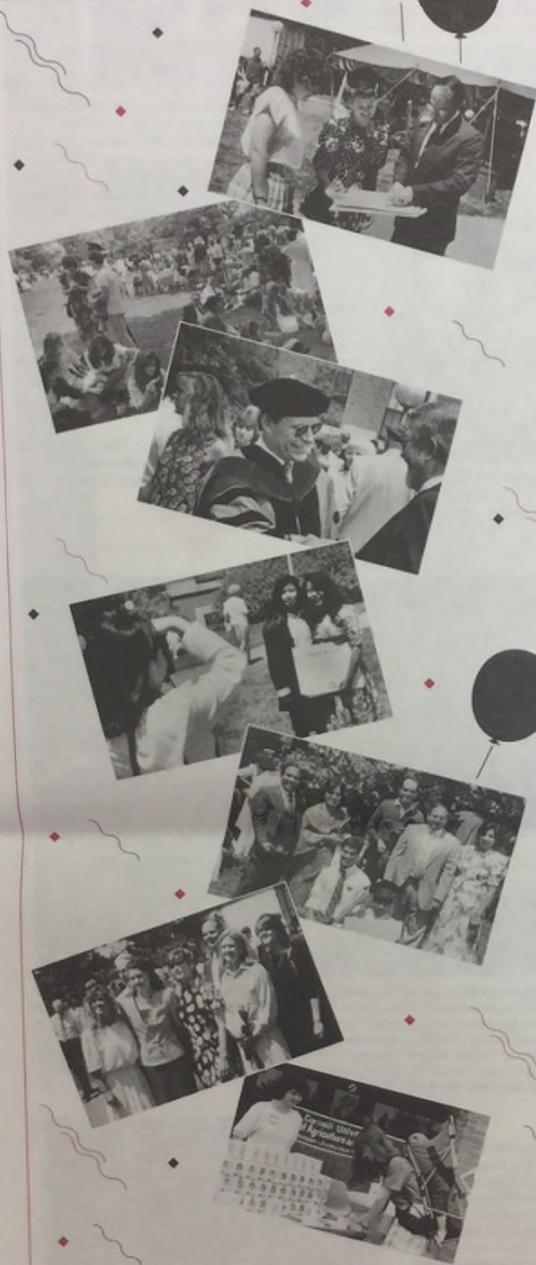
Each year, the New York State 4-H Foundation annual report lists the names of all contributors. A copy of the foundation annual report or additional gifts to the fund may be made through the State 4-H office, 354 Roberts Hall, College of Agriculture and Life Sciences. ◆



Retiring college development leaders were recognized recently for 100 years of leadership to the college. Dean David L. Call '54, Robert Ladd '43, David Nagel '49, Cliff Luders '38, Myron Fuerst '29, Jean Rowley '54, seated, Joseph King '36.

Commencement '90

785 ALS STUDENTS CELEBRATED graduation in May. Five-hundred ten new graduates joined the College Alumni Association.



Fishery Experts Restore Lake Ontario Species

IN 1986 FISHERY RESEARCHERS IN the college's Department of Natural Resources made news when they trapped 75 lake trout fry in the rock shoals off Stony Island at the eastern end of Lake Ontario. These inch-long, newly hatched fish were the first evidence that an international stocking program begun a dozen years before might someday be successful in restoring an extinct native species.

The continued efforts of Assistant Professor Charles C. Krueger and Research Associate J. Ellen Marsden are now bringing that someday ever closer.

The U. S. Fish and Wildlife Service and the Ontario Ministry of Natural Resources in Canada put a million lake trout yearlings into Lake Ontario annually, representing a sizable investment on the part of both countries. To increase the probability of creating a naturally reproducing, therefore self-sustaining, population of lake trout, four different strains of these fish have been used since the stocking effort began in 1975.

"When we found that the stocked lake trout were not only surviving to maturity but also reproducing, the question then became which of the four strains was reproducing most successfully," said Krueger. "Knowing this the management agencies in charge of the stocking program could choose the strain that would most efficiently speed up the restoration process."

The trouble was that the four different strains of fry all look alike. "Lake trout fry resemble a little blob of yolk with a wisp of fish attached to it," said Marsden. "There is no way to distinguish the strains by simply looking at the fry."

While all are similar in appearance, each is genetically distinct. Therefore, the key to finding out which strain was most reproductively successful lay in determining the fry's genetic character, something that had never been done before.

Marsden and Krueger have spent much of the last three years drawing on research from a variety of disciplines to develop a method of doing just that. With the genetic identity of each strain now known, they can take fry caught at the spawning site and determine which strains are present and in what proportions.

"When we did this, the answer we found wasn't obvious," Marsden said. "You would expect the strains to reproduce in approximately the same proportions as the stocked yearlings. Over 50 percent of all the fish stocked were Lake Superior strain and less than 6 percent were Seneca Lake strain, yet more than 70 percent of the fry we caught were Seneca Lake strain."

Further validation of Krueger and Marsden's preliminary results are currently underway. In the meantime they

have turned their attention to the fundamental biological question of why Seneca Lake strain seems to reproduce best.

"We know that fish of all four strains go to the spawning sites and deposit eggs," said Krueger. "And that these eggs, when captured and hatched in the laboratory, produce fry from all four strains. Yet the eggs that hatch in the wild are still predominantly just one strain. Somewhere between the deposition of eggs in the fall and hatching in the spring, something happens such that eggs from Seneca Lake strain seem to survive best. We want to find out what that something is."

Very little is known about the life cycle of the lake trout from spawning through the first year. Krueger and Marsden's research can greatly add to the scientific understanding of this popular species.

In so doing their work could lead to restoring a once native species to its rightful place in the ecosystem, saving the taxpayers big dollars in the bargain. For starters, the costly stocking program would be eliminated while a thriving multi-billion dollar sports fishing industry would bring enhanced state and local revenues to the Great Lakes via license fees, boat registrations, and purchase of fishing equipment, boats, and services.

Genetic research aids Great Lakes fishing and creates an indicator of the region's ecological health.

Perhaps the biggest savings of all would come from the central role of lake trout as an indicator of ecological health. "The long and the short of it is that if you have a naturally reproducing, self-sustaining population of lake trout that's good to eat, then you've got clean water," Krueger said. "We spend an awful lot of money in environmental monitoring when we could have a fish do it for us."

Krueger and Marsden work in collaboration with Bernie May, senior research associate with the Cornell Laboratory for Ecological and Evolutionary Genetics and with Charles F. Aquadro, associate professor in the Section of Genetics and Development. They receive equipment and personnel support from the N. Y. State Department of Environmental Conservation, the Department of Fisheries and Oceans, Canada, and the Ontario Ministry of Natural Resources. Funding is provided by the N. Y. Sea Grant Institute, the U.S. Fish and Wildlife Services, the Great Lakes Fishery Commission, and the Empire State Lake Ontario Derby, Inc.

Melita Winter

AUSTRALIA TOUR!

Alumni Association
College of Agriculture and
Life Sciences and Voyagers
International

Date:
November 24 - December 10, 1990

Cost:
\$4,495 - \$4,695

Contact:
Douglas T. Conti '60
Past President
ALS Alumni Association
4172 Clover Street
Honeoye Falls, NY 14472
Phone: 716/624-3344



Student director Stephen Black '92 and ALS alumni ambassador coordinator Kirsten Johnston '91 visit with Mrs. Julian (Alberta) Carter during a recent ALS alumni program. Mrs. Carter supports student ambassadors with expenses incurred for leadership activities at alumni events on and off campus.

Agenda Full at 1990 ALS Alumni Reunion



Former Dean Isaac P. Roberts (Richard Korf '46) discussed the College of Agriculture at the turn of the century and once again passed the traditional dean's hat to Dean David L. Call who discussed the issues facing today's College of Agriculture and Life Sciences.

"I can't get over seeing so many automobiles on campus. In my day it was horses. We had horses on campus that knew how to pull. And people, too—Bailey, Wing, Jimmy Rice in poultry, George Caldwell in chemistry, John Comstock in entomology. We leaned into the load together, and the students helped us pull. Later they carried what we learned all over the world. This hat is almost 90 years old. I

bought it for my successor, Dean Liberty Hyde Bailey. To Bailey and me this gentleman's hat means that education in agriculture and the life sciences is as good as the best Cornell offers. Bailey passed the hat on, and so it has come, dean to dean, through the decades."

"Isaac Roberts"
Dean 1874-1903



133 years of alumnihip were represented by Stan Warren '27 and Martin Beck '20 attending the ALS Reunion Breakfast. Youngster and Alumni President Doug Conti '60 (right) adds a mere 30 years.

In the Beginning...

"Eighty years ago, in 1910, the college was riding high, with more than six times as many students as there had been ten years earlier. A very important group were the 477 winter-course students, able students who had never been to high school. For them the experience at the college was a tremendous eye-opener. These students were perhaps the most enthusiastic and loyal alumni this college ever had. I can remember visiting with some of them 40 years or more after their college experience, and they would remember it as though it has been only a year or so before. Another important educational program was the fourth annual Farmer's Week. The estimated attendance was 2,500—farmers and their families from all over the state. In 1910, the college was in the business of linking the scientific with the practical, and this is today's goal, in a much different world."

Stanley Warren
Professor Emeritus
Farm Management



Dean David L. Call '54 (right) was awarded the 1990 "Agricultural Excellence Award" for contributing to the advancement of agriculture. The award was presented by Jeff Stewart, Northeast Chapter of the National Agrimarketing Association.



The 1990 recipient of the Edgerton Career Teaching Award is Prof. Richard Aplin, Department of Agricultural Economics. George Conneman '52 (left) presents the award at the ALS Alumni Reunion Breakfast held in the new Trillium Dining Room in Kennedy Hall.



Professor William Drake, Department of Education, accepts the 1990 SUNY Chancellor's Award for Excellence in Teaching.



Past and incoming presidents of the College Alumni Association Doug Conti '60 (left) and Stephen Teele '72.



The College Alumni Board elected five new directors in June (left to right): J. Stephen Black '92, Student Representative; Hans Kunzo '82 (Livingston, Wyoming, Genesee, and Orleans Counties); Peter Pankowski '74 (Albany, Rensselaer, and Schenectady Counties); and Dan Fessenden '87 (Seneca, Cayuga, Onondaga and Oswego Counties). They are congratulated by newly elected President Stephen Teele '72. Absent was Kate Herendeen '64 (Erie, Niagara Counties.) Officers elected, in addition to Teele: Marian Rippey '79, 1st Vice President; Bruce Wright '75, 2nd Vice President; Elaine Newcomb '65, Secretary; Thomas Hoy '70, Treasurer; Doug Conti '60, Immediate Past President.

ALUMNI HEADED SOUTH FOR THE WINTER? NORTH FOR THE SUMMER?

To help those alumni who spend six months in the north and six months in the south, the College Alumni Affairs and Development Office will implement a system for automatic transfer of addresses in October and May (only those months) as one step to help in the delivery of mail. If you would like to be on the automatic transfer dates, please send us the coupon below.

Also let us know promptly if either address changes.

Name _____ Class year _____

October-to-May Address _____

City _____ State _____ Zip _____

May-to-October Address _____

City _____ State _____ Zip _____

The above addresses will transfer automatically each year until we are notified otherwise. Mail to College of Agriculture and Life Sciences, Alumni Affairs and Development Office, c/o Barbara Littlefair, Roberts Hall, Ithaca NY 14853.

Perfect attendance for Paul Tilly '58. Upon completion of his second three-year term on the alumni board and as district director for Orleans, Wyoming, Livingston, and Genesee Counties, Paul and 300 alumni and friends celebrated his perfect attendance at every alumni board meeting (24!) and an estimated 125 college alumni meetings during his six years of leadership.



Warren Wigsten '50 (left) has the attention of Robert Hindmarsh '50 and Mrs. Hindmarsh

Karen Rice Shoup '64 stands behind her brother, Carl E. Rice '60 and her husband, Charles A. Shoup '60.



DEAN/ALUMNI GET-TOGETHERS



Lewis/Jefferson/
St. Lawrence Counties



Nassau/Suffolk
Counties



Erie/Niagara
Counties



All College Alumni Dinner



Twenty-six Cornell alumni and friends attended the special "All College Alumni Dinner" in Manhattan, Kansas at the annual meeting of the National Agricultural Alumni and Development Association. *First Row:* Dorothy Werts, Kirsten Johnston '91, Tina Walker, associate director of alumni affairs (ALS); Holly Sheffield '92; Elizabeth Nearing. *Second Row:* Sally Porter '76, Connie Powell '58, Nancy Bird Prawl '54, Jane Longley-Cook '69, Fred Cornell Baker '30, Ann Nearing '49, Lael Carter, associate director, development (ALS). *Third Row:* Doug Beech '72; Warren Prawl '58; Kevin Vergin '86; John Porter '40; Pamela Holland Sullivan '67, Midwest Cornell Regional director; Frank Nearing '42. *Back Row:* John Sterling '59, director of alumni affairs (ALS); Linda Kabalac '69, assistant director special gifts, Cornell; Merrill Werts '48; Stephen Teele '72, president of college alumni association; James Porter '76; William Boldt, assistant dean of public affairs, ALS. Absent, John Brand '55, Charles Norton (Gr).

Everyone's invited!

ALS Alumni Awards Banquet

Friday, November 16, 1990
6 PM Stalter Ballroom

Honoring five outstanding alumni of
the College of Agriculture and
Life Sciences:

Donald M. Bay '55
Macedon, NY

Phillip D. Gellert '58
Hillsdale, NY

Thomas Norman Hurd PhD '36
Loudonville, NY

Herbert R. Kling '36
Fonda, NY

Young Alumni Achievement Award
Charles P. Bailey, Jr. '84
Williamson, NY

RESERVATIONS
Return reservations by November 5, 1990

Name _____
(Please print for nametag)

Spouse or Guest _____

Guest _____

Address _____

Telephone _____

COST
\$23 a person/ \$45 a couple.
Please make checks payable to ALS Alumni Association.

MAIL TO
ALS Alumni Association, 265 Roberts Hall,
Cornell University, Ithaca, NY 14853.

LODGING
A block of rooms is being held at the Holiday Inn (607/257-3100) and
Journey's End (607/272-0100) until November 1, 1990.
If you would like a room please make reservations directly.

ALSCAPADES
Postponed for 1990.
Date for 1991 to be announced.

FOOTBALL
Saturday, November 17. Cornell vs. Penn (1 p.m.).
Obtain tickets directly from the CU athletic office.

CALENDAR 1990

- September 13**
New England ALS Alumni Get-together, Eastern States Exposition, West Springfield, Mass., 4 p.m. Brooks Building. See reservation form in ad, page 2.
- September 22**
Pregame reception, District #12, Cornell vs Colgate (at Colgate), 11:30 a.m. Contact John Brouillette 315-853-6069 or Dave Curry 315-655-3424.
- September 26**
Dedication of Roberts and Kennedy Halls 4 p.m. Ceremony in Alumni Auditorium
- September 26**
District 10 (Clinton, Franklin, Essex, Hamilton) Fall Planning Dinner Meeting, Lake Placid.
- September 27**
District 11 (St. Lawrence, Lewis, Jefferson) Fall Planning Dinner meeting, Gouverneur.
- October 5-6**
Alumni Association Board/Committee Meetings, Campus. *Postponed until November 16/17.*
- October 11-12**
College Advisory Council Meeting, Campus.
- October 19-21**
Cornell Council Weekend, Campus
- October 26-28**
Homecoming Weekend
- November 2**
Student Transfer Day (2 year colleges)
- November 2-4**
Freshman Parents Weekend
- November 10**
Student Open House
- November 16**
Alumni Awards Banquet, 6 p.m. Statler Hotel, Campus
- November 16**
Gainesville, Fla. ALS Alumni banquet, 6:30 p.m. Professor Kenneth L. Robinson, speaker. Bill Messina '76, Coordinator (see ad.)
- November 15-17**
Alumni Association Board of Directors committee and board meetings, Campus
- November 17**
Central Florida ALS and Human Ecology Alumni Gathering, 11 a.m., Lake Alfred Research Center. Professors William Wilson and Kenneth L. Robinson, Speakers. Donald '41 and Thelma '42 Robinson, Coordinators (see ad.)



FLORIDA ALS/HUMAN ECOLOGY ALUMNI TO GATHER

Gainesville
Friday, Nov. 16, 6:30 p.m.
Speaker, Kenneth L. Robinson
Place: Notification by mail
Registration
Bill Messina '76, 409-11 NE 11th Street, Gainesville, Fla. 32601; phone 904-375-4868

Central Florida
Saturday Nov. 17, 11 a.m.
Place: Lake Alfred Research Center
Prof. William Wilson and colleagues
Illustrated discussion on citrus problems
Noon: Lunch at several restaurants (Dutch)
1:45 p.m.: Professor Kenneth L. Robinson speaking on "U.S. Trade Conflicts with Europe & Japan."
Registration
Send \$1.50 per person, name, class year, address and telephone number to:
Donald G. Robinson, Sr. '41 ALS or
Thelma Robinson '42 HE
125 Camellia Trail, Leesburg, FL 34748

CORNELL UNIVERSITY

Alumni Affairs and Development
268 Academic I
New York State College of Agriculture and Life Sciences
Cornell University
Ithaca, New York 14853

Address Correction Requested

AGRICULTURE & LIFE SCIENCES NEWS

For Alumni and Friends of the College of Agriculture and Life Sciences

Fall 1990

New Institute Will Combat World Hunger, Malnutrition

THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES has received the largest gift in its history—\$7.5 million—to establish a new institute to fight poverty, malnutrition and hunger facing hundreds of millions of people in poor countries in Africa, Latin America, and Asia.

The Cornell International Institute for Food, Agriculture and Development (CIIFAD) will be funded for the next five years with this gift from an anonymous donor, said David L. Call, dean of the college.

Call characterized the institute as a multidisciplinary, problem-oriented organization that will draw on faculty throughout Cornell to help less-developed countries boost their standards of living through agricultural and rural development.

Commenting on Cornell's new initiative in international development, Barber B. Conable, president of the World Bank, said, "Anyone who travels knows that Cornell is a global institution. The new institute adds a new dimension to the university's presence abroad for tech-

nical assistance, education, and development of underprivileged and poverty-stricken countries."

Call said the institute's major thrust will be to help needy countries develop their human resources to enable them to cope with their own problems through improved agricultural productivity and rural development.

"Cornell has a long tradition of training students from the less-developed world and of working with academics and professionals from those regions to strengthen their capacities to attack problems facing their countries," he noted. "The institute will play a major role by educating people as to the nature of problems confronting developing countries."

Call cited rural poverty, malnutrition, population change and environmental degradation as key areas of study requiring special attention from the institute. Emphasis will be on agricultural technology.

(Continued on page 2)



Developing countries will gain trained graduate students and on-site research projects.

ON THE INSIDE

Five Alumni to Be Honored November 16

Fall Alumni ALScapades Postponed until 1991

1 Faculty Garner Awards

1 Adirondack Maple Syrup Gets Boost

3 Commencement '90

6-7 Deans Meet with Alumni

Dated Material August 1990