

# agriculture & life sciences

news

New York State College of Agriculture and  
Life Sciences at Cornell University

August 1988



## "FOOD FOR THOUGHT"

Cornell University  
College of Agriculture and Life  
Sciences  
Alumni ALScapades '88  
and  
Department Reunions  
for  
Animal Science, Communica-  
tion, and Food Science

FOOD FOR THOUGHT

September 16-18, 1988

A weekend that reflects the  
essence of Cornell

**ALUMNI ALSCAPADES '88**  
*A Weekend to Remember*

### THE HIGHLIGHTS

- Keynote Speakers:  
Dr. Robert Gravani  
Associate Professor,  
Food Science  
Dr. David L. Call '54, Dean
- The unveiling of a new,  
dynamic food product named  
after a distinguished Cornell  
character at the After Game  
Party
- Cornell vs. Princeton Football
- Cornell Chicken B-B-Q
- Department Reunions
- Golf with Laing Kennedy,  
Director of Athletics, and  
members of the faculty
- Early morning jog with the  
coaches

**Registration form on page 11**

#### Inside:

Student Scholars Picked	3
Pest Control Improves...	4
Local Events Draw Alumni	7
Women Scientists	
Confer.....	9

# agriculture & life sciences

## news



### "FOOD FOR THOUGHT"

September 16-18

Alumni ALScapades '88 and Department Reunions

#### THE WEEKEND SCHEDULE OF ACTIVITIES

##### Friday, September 16, 1988

6:15 p.m. **Outstanding Alumni Awards Banquet**  
Sheraton Inn, The Ballroom

##### Saturday, September 17, 1988

7:30 a.m. **Jog with the coaches**  
Begins at Teagle Hall

8:00 a.m. **Registration and Reception**  
James Law Auditorium  
College of Veterinary Medicine

9:00 a.m. "Food for Thought"

**Keynote Speaker:** Dr. Robert B. Gravani, Associate Professor, Food Science. Dr. Gravani works primarily with food retailers, processors, the service industry, and regulatory agencies on food safety, sanitation, and regulation. He teaches and does research on food safety and quality, and he is the director of the Empire State Food and Agricultural Leadership Institute.

Recognitions and Awards

Remarks by Dr. David L. Call, Dean

10:15 a.m. **Department Reunions**  
For everyone! Take a closer look at three outstanding departments of the College and meet their alumni, faculty, and students.

**Animal Science**  
Morrison Hall, Turk Seminar Room (348)

**Communication**  
Boyce Thompson Auditorium

**Food Science**  
Food Processing Development Laboratory (Behind Stocking Hall)

11:45 a.m. **Chicken Barbecue**, Ag Quad

1:00 p.m. **Cornell vs. Princeton Football Game**

1:15 p.m. **Tours:**  
•Heritage Garden and the Cornell Plantations  
•Cornell's new Equestrian Center and the Sheep "STAR" System  
•Biotechnology Building and a review of developments in the field as reflected at Cornell

After Game **After-Game Party**  
Ag Quad  
•The unveiling of a new dynamic food product named after a distinguished Cornell Character  
•Lots of Fanfare

##### Sunday, September 18, 1988

10:00 a.m. **Play golf with Laing Kennedy** '63, Director of Athletics, and faculty members of the College, Cornell Golf Club  
Tee-off times between 10:00 a.m. and noon

#### Douglas Conti '60, Chairman, Alumni ALScapades '88

"I am very excited about the new program that the committee has put together for '88. The special programs offered by three academic departments in the college and the athletic events will make the weekend one of the best ever. Then add Bob Baker's chicken barbecue for lunch! This is a weekend that you cannot afford to miss. The Committee hopes to see you for this rare occasion."

**Committee:**  
Doug Conti '60, Chairman  
Dale Coats '69  
Ben Davis '88  
William Drake '55  
Peter Dygert '61

Murray Elliot 'Gr  
Diane O'Shaughnessy '86  
Carl Specht '60  
Patrick Spoth '88  
Stephen Teele '72

#### DEPARTMENT REUNIONS

Department reunions offer a time to reminisce with classmates and professors and an opportunity to see your department, its current students, faculty and programs.



Department of Animal Science  
Chairman, J. M. Elliot

"Exciting things are happening in the Department of Animal Science. I urge you to come to the alumni reception and rub shoulders with our teaching/ research/extension team—old and new. We'll proudly tell you about activities such as our latest research on animal growth, somatotropins, genetically-engineered rumen bacteria, and embryo manipulation; or about the new dairy management program, or the latest sire selection scheme. We are also interested in your ideas and concerns. See you there!"

**Reunion Reception, 348 Morrison Hall**  
Kenneth L. Turk Seminar Room

- Reception
- The Department, Its Faculty and Its Programs
- The Excitement
- Tour of Large Animal Research and Teaching Unit (optional—for those with an interest in the facility)

Light Refreshments

Dr. Murray Elliot,  
Chairman

Presentations by a Faculty Member, a Graduate Student, and an Undergraduate Student



Department of Food Science  
Chairman, Richard A. Ledford

"We are so happy that you, our alumni, will be the first to explore our new building, the Food Processing Development Laboratory. Although it is scheduled for dedication on November 2, 1988, we are anxious to show it off. We will hold our alumni department reunion there and talk about some of your ideas and our pursuits here in the department. We would love to see you and share this great occasion."

**Reunion Reception, The New Food Processing Development Laboratory (Behind Stocking Hall)**

- Reception
- Welcome and Overview of the Department
- Student Activities
- Tour of the Food Processing and Development Laboratory

Light Refreshments

Dr. Richard A. Ledford,  
Chairman

Ann Roland 'Gr  
President, Food Science Club



Department of Communication  
Chairman, Royal D. Colle

"There's so much happening in this information age that interests our communication students. One of the things that they (and we) value is interacting with alumni who can share their experiences and ideas with us. So we've taken the liberty of inviting some students and faculty members to meet alumni at the reception. Of course, it will be an excellent chance to renew acquaintances. Whether you've been out 30 years or three months, we'd like to have you back—and maybe talk a bit about this "Information Age."

**Reunion Reception, Boyce Thompson Auditorium (tentative)**

Reception

Light Refreshments



"Hillers" Visit Arnot Forest



On June 9, the Department of Natural Resources hosted a reunion of alumni who shared a common student experience before their significant careers in wildlife conservation. Known as the "Hillers," they surveyed the famed ruffed grouse at nearby Connecticut Hill

during their student days in the 1930s and 1940s. This year, under the direction of Associate Professor Harlan Brumsted, they met to discuss fund raising for internships at Connecticut Hill and Arnot Forest for natural resources undergraduates. The project is being spearheaded by Benjamin O. Bradley '34 (left) who played center field for Cornell's baseball team in 1933 and 1934. Hillers gathered in front of the totem pole were (left to right) Steve Fordham '38, Cornelius Kuhn '38, W. Mason Lawrence '38, Donald J. Spitzer '40, Robert Darrow '31, C. William Severinghaus '38, Paul Christner '38, Albert G. Hall '40, James Otis '38, Royce Brower '33, Richard E. Reynolds '36, and Harvey Warner '44.

## Alumni and Friends at the College's Largest Reunion Breakfast on June 11



## Daniel Decker Awarded First Young Alumni Award



Daniel J. Decker '79 has been honored with the College of Agriculture and Life Sciences Alumni Association's first Young Alumni Achievement Award. The award was presented at the college's annual alumni breakfast in Ithaca, which attracted some 325 alumni, faculty, and friends.

Albert Beard '52, Milford, N.Y., president of the 5,500-member association, said the award was established to recognize and encourage professional, college, and community leadership among younger alumni of the college.

Since his arrival at Cornell as a first-year undergraduate, Daniel Decker has forged a reputation as one of the most energetic and productive individuals ever associated with the College of Agriculture and Life Sciences. He earned his B.S. degree in natural resources in 1974 and

an M.S. degree in natural resources conservation in 1976. In March of this year he was appointed assistant professor in the Department of Natural Resources.

Decker's professional reputation at the college has rapidly spread to the national level. His work in wildlife and human studies research and extension has resulted in frequent requests for his expertise from extension people in other states. He has written almost 300 articles, papers, monographs, books, and book chapters for scholarly publications and the popular press. With colleague Tommy Brown, senior research associate in natural resources, he has inaugurated an entirely new discipline within the field of natural resources—human dimensions research. Outside the department, he has served as a member of many professional organizations and committees, and he is a partner and principal consultant for Environmental/Natural Resources Consultants in Ithaca.

The Alumni Association is proud to select Daniel Decker as an alumnus whose past has contributed so much and whose future holds such promise for Cornell University and the College of Agriculture and Life Sciences. ■

Jane Longley-Cook '69  
1987-88 Chair-Awards Committee

## Four of 25 National Scholars Choose Agriculture and Life Sciences

"We are delighted that 4 of the 25 RJR Nabisco National Scholars in agriculture and life sciences will be attending Cornell this fall," said Coordinator of Admissions Richard A. Church. "They're a great group."

Indeed they are, for these four high school students demonstrated the outstanding scholastic ability and leadership qualities necessary to receive this scholarship. It's a cooperative program established between the National Association of State Universities and Land-Grant Colleges and RJR Nabisco Company, a food manufacturer that produces more than 100 brand names sold in 160 countries and territories around the world.

Since the purpose of the scholarship program is to promote careers in agriculture, the winners need to have demonstrated an interest in the field, achieved an SAT score of 1200 or an ACT score of 28 or higher, and be recommended by a high school science or math teacher. Financial need is not a factor in the selection process for the \$6,000 annual

scholarship, which is renewable for four years.

The college's four scholarship winners are:

John S. Black, a general agriculture/international agriculture major from Prairie Grove, Arkansas.

Darrell J. Cherniske, a landscape architecture major from New Milford, Connecticut.

Mitschka J. Hartley, a natural resources major from Turner Center, Maine.

Pamela Scheper, a floriculture and ornamental horticulture major from Howard Beach, New York.

More information about the program is available from: Division of Agriculture, RJR Nabisco National Scholars, NASULGC, One Dupont Circle, Suite 710, Washington, DC 20036. ■

Metta Winter

**Agriculture & Life Sciences News** is published three times a year by the New York State College of Agriculture and Life Sciences, a statutory college of the State University, at Cornell University, Ithaca, N.Y. Cornell University is an equal opportunity, affirmative action educator and employer.

### Dean

David L. Call

### Associate Dean

Kenneth E. Wing

### Director of Alumni Affairs and Development

John C. Sterling

### Associate Director of Development

Lael C. Carter

### Associate Director of Alumni Affairs

Tina Walker

### Editor

James P. Titus

### Writer

Metta Winter

### Designer

Lorraine M. Heasley

### Production Coordinator

Donna S. Vantine

### Photographers

Donald Albern

Claude Levett

John C. Sterling

### Contributing Writers

Mark Eyerly, Yong H. Kim

### Editorial Assistant

Jeanne Astor

### Student Writers

Laura VanderVliet Rodgers '89

Correspondence should be addressed to John Sterling, Alumni Affairs, Cornell University, Ithaca, NY 14853-5901.

Produced by Media Services at Cornell University  
8/88 35.2M LL E88060703G

# Honors Pile up for Presidential Scholar

Metta Winter



Robert Johnson receiving a Presidential Scholars Award from Cornell President Frank H.T. Rhodes. Looking on are two teachers Johnson named as most influential to him, Jean B. Hunter, assistant professor of agricultural and biological engineering, and Johnson's high school biology teacher, Linda H. Austin (far right).

"You wouldn't believe how excited I was," says Robert Johnson, of the week all the good news came. "First I heard that all three graduate schools I applied to said yes. Then a letter from the Winston Churchill Foundation said that I got a year's scholarship to Cambridge. Then the National Science Foundation called to say that my graduate research fellowship came through."

But before undertaking the challenges these accomplishments bode for the future, Johnson had a unique opportunity to savor those of the past. On the eve of graduation, this agricultural engineering major was one of the college's nine seniors to be honored as a Presidential Scholar.

Drawn from the top five percent of the Class of 1988, Presidential Scholars are young people chosen not only for their outstanding scholastic ability, but for their intellectual curiosity, their energetic leadership, and their demonstrated potential for contributing to the better-

ment of society. Johnson fits the criteria well.

Before entering as a freshman, Johnson spent a year as an exchange student in Australia. He chose to go abroad with the Youth for Understanding Program for reasons that were anything but academic, yet he credits the experience as critical to his outstanding scholastic achievement as an undergraduate—in his freshman, sophomore, and junior years he earned the highest grade point average in the college.

Johnson hopes that he will be similarly geared-up for graduate work at the California Institute of Technology by taking time out next year to do research at Churchill College, Cambridge.

If the past is any indication, he will be, because this New York State Rhodes Scholarship finalist seems unusually capable of taking what is useful to him from one experience and using it to his advantage in the next. What's more, he describes himself as a "planner-type person" who isn't content with using his

time in ways that do not further his long-range goal—doing fundamental research in biochemistry.

How Johnson made the most of the work-study jobs he needed to stay in school says a lot about this inquisitive and energetic young man. The first was with the Cornell Local Roads Program where he saw the chance to learn basic research techniques. Then he moved on to become a field and lab technician at the Boyce Thompson Institute for Plant Research. When the assigned tasks there offered few research-related learning opportunities he looked for something else.

It was Jean Hunter, assistant professor of agricultural engineering, who suggested that Johnson approach John Kinsella, the Liberty Hyde Bailey Professor of Food Science, with an unusual proposal. She knew Kinsella needed a lab technician to culture a particular organism that produces a heat-stable enzyme of potential use in the food industry. She also knew Johnson wanted to pursue some research questions about biochemical processes and that working with this enzyme could serve the purpose nicely. Johnson negotiated a deal whereby he would do the technical work Kinsella needed and have access to the lab, at other times, to pursue his own interests.

"My relationship with Kinsella was much more like that of a half-time master's student than an undergraduate," Johnson says. "It started out as a tech job but became a research one when the cultures wouldn't work. I spent all of last year figuring out why. Once I got it going we hired someone else for the culturing so that I could continue my own research." Before leaving for Cambridge in September, Kinsella and Johnson hope to publish the results—Johnson's first professional paper—before the ink is barely dry on his diploma.

Jean Hunter's advice is an example of why the Presidential Scholars award honors not only the graduating senior but also two influential teachers, one a university faculty member, the other a high school teacher.

"Jean Hunter was the catalyst that changed my direction, providing inspiration and guidance at just the right time. Most importantly she directed me to Kinsella, to a place where I fit in and where I could pursue something I was interested in, while at the same time learning so much."

It was another woman—Linda Austin, Johnson's biology teacher at Greenwich Central School in Schaghticoke, N.Y.—who got him started. "I can still remember the day she drew the DNA molecule on the board with her colored chalk. But she didn't just draw it, she talked about it as if it were alive. And I realized, right at that moment, that this is the stuff that makes life work."

In reflecting on his four years here, Johnson said: "What I'm really proud of is that I took something from within and by working with those willing to give me the opportunity to shine and grow and mature, I've been able to accomplish what I set out to do. I've gotten the grades for my parents, because I know it makes them proud and that makes me happy; but the research I've done for myself."

The Johnson family's ties to Cornell began with Robert's great aunt, Estella Barnhart '26 (Arts). Robert's father, Raymond Johnson '54, is president of the American Dairy Association and Dairy Council, Inc. His mother, Estella Kling Johnson, is also an Arts graduate, class of '55. And his brothers are Cornell graduates, William Richard Johnson '80 (Eng.) and Edward Johnson '83.

## Dean Call Heads Study on Animal Fat

Federal regulations should provide more incentive for the production and marketing of lower-fat meat and dairy products, a panel of 16 scientists headed by David L. Call, dean of the College of Agriculture and Life Sciences, recommended in a study released in April.

Although total fat in the American diet has gone down somewhat in recent years, consumers still are eating more fat and cholesterol than experts consider healthy, said the study supported by the National Research Council's Committee on Technological Options to Improve the Nutritional Attributes of Animal Products.

"Our panel is convinced that Americans can improve their diets with currently available foods, such as low-fat milk products and lean cuts of beef, pork, poultry and fish. We are equally convinced that changes in federal policy to encourage, rather than discourage, the production and marketing of lower-fat and lower-cholesterol animal products will make healthy eating easier for American consumers."

The panel stressed the need to overhaul government regulations on grading, labeling, and product standards. The current beef grading system, for example, encourages producers to overfatten their cattle, they said. In addition, labeling and nutrition information fail to inform consumers adequately about lower-fat animal products available in the marketplace.

New technologies, such as the use of growth hormones that produce leaner meat, and others involving breeding, feeding, and managing livestock and poultry, could make production of leaner animals more profitable to producers if the government's regulations were revamped.

## Development Restructure to Serve College Needs

In our untiring efforts to be pro-active in meeting the needs of the college, its faculty and students, Dean David L. Call and I, with the help of a special task force, have begun a new initiative for supporting alumni giving to the college.

Four standing committees will divide the work of the 25-to-30-member Development Committee. These committees will have the bulk of the responsibilities of gift efforts needed by the college. They will support identified college needs in student support, faculty support, project identification, and special projects (such as the alumni auditorium planned for the new ALS building, the Personal Enterprise and Small Business Management Program, and Mann Library).

ALS alumni selected to lead the four standing committees include:

### Annual and Reunion Giving

Chair, Glenn Dallas '58  
Vice Chair, Michael Nolan '77

### Major and Special Gifts

Chair, Robert Nagler '50  
Vice Chair, David J. Palmer '54

### Donor Prospect Identification

(by region)  
Chair, Jane Longley-Cook '69  
Vice Chair, Judith Riehlman '80

### Special Projects

Chair, Michael Holloway '73  
Vice Chair, Robert Smith '42

We should have some major announcements in our next issue of *ALS News*. It's a great time to help a college which has been so helpful to us.

Jan Rowley, Chairman  
College Development Committee

P.S. Don't forget to designate your Cornell Fund gift this fall to the College of Agriculture and Life Sciences.

## 1988 College of Agriculture and Life Sciences Presidential Scholars

### SCHOLARS

Melissa S. Berkowitz  
2478 Kerry Lane  
Bellmore, NY 11710  
CU Dept: Stat. & Biometry

Hillary S. Brodsky  
69 Omni Parc Drive  
Spring Valley, NY 10977  
CU Dept: Ag. Economics

Audrey Chan  
166 Wayne Avenue  
Suffern, NY 10901  
CU Dept: Biological Sci.

Eric W. Huang  
22 Galileo Way  
Latham, NY 12110  
CU Dept: Neurobiology & Behavior

Robert D. Johnson  
Box 76 Duellwood Farm  
Schaghticoke, NY 12154  
CU Dept: Ag. Engineering

Deborah L. Kall  
911 South Manlius Street  
Fayetteville, NY 13066  
CU Dept: Ag. Economics

Tobe L. Mellman  
18 Madison Avenue  
Jericho, NY 11753  
CU Dept: Biology

Susan M. Redick  
1731 Seneca Trail  
Waterloo, NY 13165  
CU Dept: Communication

James R. Voickhausen  
472 Central Chapel Road  
Brooktondale, NY 14817  
CU Dept: Plant Sciences

### CORNELL FACULTY

Margaret J. Hubbert  
Ag. Economics  
Lecturer

Edward W. McLaughlin  
Ag. Economics  
Asst. Professor

Geoffrey W. G. Sharp  
Veterinary Pharmacology  
Professor & Chair

Mary Basil  
Genetics  
Research Support  
Specialist

Jean B. Hunter  
Ag. Engineering  
Asst. Professor

Lois E. Gosse  
Ag. Economics  
Lecturer

Cynthia Chase  
English  
Asst. Professor

Brian O. Earle  
Communication  
Sr. Lecturer

Peter L. Marks  
Ecology & Systematics  
Assoc. Professor

### SECONDARY TEACHERS

William Swenson  
J.F. Kennedy High School  
Bellmore, NY 11710  
Subject: English

Brenda Brunelle  
Nanuet Sr. High School  
Nanuet, NY 10954  
Subject: Business

Edward Petrillo  
Suffern High School  
Suffern, NY 10901  
Subject: Biology

James Barton  
Bel Air High School  
Bel Air, MD 21014  
Subject: Science

Linda H. Austin  
Greenwich Central School  
Schaghticoke, NY 12154  
Subject: Biology

David Bender  
Fayetteville-Manlius High School  
Manlius, NY 13104  
Subject: Guidance

Judith Broadwin  
Jericho Sr. High School  
Jericho, NY 11753  
Subject: Math

Georgia Derby  
Waterloo Sr. High School  
Waterloo, NY 13165  
Subject: Math

Rod Zwirner  
RR 2, Box 437  
Antrim, NH 03440  
Subject: History & Forestry

# Calendar

## Wednesday, September 7

Reservation deadline for Outstanding Alumni Banquet and Alumni ALScapades '88

## Friday, September 16

College Development Committee Meeting, 9:30 a.m., 401 Warren Hall  
Alumni Association Board Meeting, noon, 401 Warren Hall  
Outstanding Alumni Banquet and Reception, 6:15 p.m. Sheraton Inn. Reservations required

## Saturday, September 17

Annual Alumni ALScapades, 8:00 a.m., James Law Auditorium, campus  
Jog with the coaches, 7:30 a.m., Teagle Hall

## Sunday, September 18

Golf Tournament with Laing Kennedy

## Friday/Saturday, October 14-15

Cornell Council Meeting, campus

## Saturday, October 29

Prospective ALS Student Open House

## Wednesday/Thursday, November 2-3

College Advisory Council Meeting

## Friday, November 4

Student Transfer Day

## Friday/Saturday, November 18-19

Alumni Association Committee and Board Meetings, noon, campus



Some 30 students, as ambassadors for the College of Agriculture and Life Sciences, work with alumni events such as fall team planning meetings in districts, Dean/Alumni Get-Togethers, and ALScapades. Here, Lisa L. Hill, Cattaraugus, and David L. Sampson, Jamestown, both 1988 graduates, plan their speeches for the late winter Dean/Alumni Get-Together in Bemus Point.



## Scholarship Reception

Veterinarian Frederick F. Hess '63, DVM '66, his wife Linda, seated, and son Jonathan visited with Maria Cecilia Mark, the current Cornell-Swedish exchange scholar during a reception April 9. More than 230 donors, scholars, and faculty attended the special reception, which honored distinguished alumni and friends who have established scholarship funds on behalf of the College of Agriculture and Life Sciences. Hess and his sisters established the Bertha Fleming Hess Memorial Scholarship Fund in honor of their mother to support the Cornell-Swedish Exchange Student program, one of the oldest exchange programs at the college.

# Fewer Pests, Healthier Environment through Integrated Pest Management

Last year alone, just 61 of New York State's apple growers prevented 19.3 tons of pesticide from entering the environment by participating in Cornell's Integrated Pest Management (IPM) program. Onion growers who used IPM's weather-based forecasting system reduced their annual fungicide applications by 25 percent. Potato farmers who practiced IPM-recommended crop rotation, cut their insecticide use in half. And grape growers applied 60 percent less pesticide when guided by IPM sampling procedures.

At the same time these crops flourished and the growers saw substantial savings in production costs. They demonstrated that New York State can have a thriving agriculture while protecting public health and environmental quality.

"Integrated Pest Management bridges the gap between two camps," said the program's director, Senior Extension Associate James P. Tette. "On the one hand, there are those who want to farm the traditional way, using pesticides as the only method of pest control, and on the other hand, there are the environmentalists who want to get rid of pesticides altogether. Instead of condemning pesticides, we view them as a last resort to be used only when all other control methods fail."

Discovering what those other methods are, and then showing growers how to use them, is what IPM is all about. As the name suggests, IPM requires the cooperation of many disciplines. It combines new non-chemical control methods with the judicious use of pesticides, not to eradicate pests, but rather to manage them in such a way as to prevent economic loss.

The approach is applicable to all commodities: fruits, vegetables, milk, ornamentals, turfgrass, even Christmas trees. And it's holistic. IPM strategies start at the beginning, by breeding the most resistant varieties, and go on from there, through growing, harvesting, and storage.

"In breeding potato varieties, for example, the breeder would enlist the expertise of other researchers: a plant pathologist, an entomologist and a weed scientist, each bringing their own perspective to the problem of pest control. The plant pathologist would focus on disease resistance; the entomologist on physical characteristics of plants that can

thwart insects; and the weed scientist on plant growth rate necessary to inhibit development of weeds. By making use of all their expertise the breeder is able to develop a cultivar with a diversity of pest-resistant qualities."

At the planting stage IPM scientists employ an array of techniques to make the environment inhospitable to pests. Cultural controls are the oldest and simplest. Some, like crop rotation and the sanitation of greenhouse tools, can be effective on their own. Others work best in combination with limited amounts of pesticide. In the case of alfalfa, plowing a steep-sided, 8-inch trench around the perimeter of the field will trap the flightless alfalfa snout beetles as they attempt to migrate. In one experiment in 1987, spraying just the trench with insecticide, instead of the entire field, resulted in an 83 percent decrease in beetles with 39 percent less chemicals.

Biological controls — the use of naturally occurring organisms to control pests — are an important component of IPM. Treating sweet corn seeds with a microorganism that controls soilborne pathogens produces plants twice the size of those protected by traditional chemical treatments.

Determining economic thresholds is yet another IPM strategy. "We've found over the years that you don't need to get rid of the pests on crops, but rather keep their numbers below economically tolerable thresholds," said Tette. In the case of apples, for example, Growers often treat summer pests on a routine basis. By waiting to determine the actual numbers of pests present during a given season, growers in some areas of the state can eliminate these insurance sprays altogether; in other areas they can be reduced by 50 percent. Saving four pesticide applications per orchard in just a four-county region of the Hudson Valley would eliminate the use of 244 tons of pesticide each year.

Just keeping an eye on the weather can have significant impact on pest control, since certain weather conditions favor disease and influence the arrival of insects. The IPM program has developed forecasting systems for a number of commodities to provide early warning of potential pest outbreaks. In the case of snap beans, half the fields routinely sprayed with a fungicide on a calendar basis need not be chemically treated at all

when growers follow the white mold weather forecasting system.

At harvesting time, equipment that bruises crops, such as potatoes, leaves them vulnerable to soft rot disease. Agricultural engineers associated with the IPM program have made recommendations on how to adjust equipment to prevent this kind of damage. They have also developed infrared thermometers and traps to monitor for soft rot microorganisms in bulk piles of potatoes during long-term storage.

Other new technologies that IPM scientists are working on include twist-ties that grape growers can attach to their vines. The ties are impregnated with a sex pheromone, the scent female grape moths emit to attract males. When this odor is interspersed throughout the vineyard the male moth becomes disoriented and cannot locate the female; hence there is no reproduction.

All of these strategies, either singly or combined into comprehensive IPM packages, are offered to the state's growers through Cornell Cooperative Extension.

"We feel that for growers to change their perspectives on how to manage pests, they need to see results first hand, on their own farms," said Tette. Therefore the program offers a cost-sharing arrangement whereby IPM specialists will work with a grower for three years. Support is offered in the form of schools and workshops, video tapes and manuals, computer software, and more than 200 publications.

With a full-time staff of eight, the program has thus far trained 438 producers and 52 scouts, who are seasonal workers who carry out the pest sampling procedures. It is estimated that pest management practices on more than 150,000 acres of the state's cropland have been influenced by the implementation of IPM strategies.

Many growers prefer to hire private consultants to provide IPM services rather than doing it themselves. To insure the presence of more of these people in New York, Cornell now offers a Masters in Professional Studies degree in the area of plant protection, emphasizing the IPM approach.

According to Tette, the New York State Integrated Pest Management program is the best in the country. "We have the know-how here in the college to make it work," he said. "Support for research and implementation comes from college, state, and federal sources. Over the past three years funds provided through the New York Department of Agriculture and Markets has enabled IPM to go statewide." ■

Metta Winter



## Edgerton Teaching Awardees Honor Richard Warner

The 1988 Edgerton Career Teaching Award was presented to Richard G. Warner, professor of animal science, at the ALS Alumni Breakfast on June 11. Prof. Warner was recognized for his 37 years of teaching at Cornell, during which he has taught the livestock nutrition course 26 times to more than 2,000 students, regularly advised 25 to 30 undergraduates, and served as chairman for

nearly 40 graduate students. Here Prof. Warner poses with some previous award recipients, left to right: front: John G. Seeley (1983), Robert H. Foote (1980), Ari van Tienhoven (1985), William C. Kelly (1984). Rear: Louis J. Edgerton, Richard G. Warner (1988), Russell D. Martin (1982), and Kenneth L. Robinson (1987). Missing were Dana C. Goodrich, Jr. (1986) and Adrian M. Srb (1981). ■



Cornell faculty and alumni gathering for the North American Wildlife and Natural Resources Conferences in Louisville, Kentucky, this spring included alumnus Jim Allen '84 and Cornell faculty member Milo E. Richmond (right).



Students Eve L. Pouliot '90 (center), Franklin, Massachusetts, and Thomas W. Cosgrove '90 (right), Clinton, New York, explain the role of Cornell students in ALS alumni activities with Dr. David Mugler, Kansas State University.

# Alumni Notes

80

**Carol D. Baccile** '86 of Tampa, Fla., will be getting married this month to Larry Rosenberger, a University of Virginia graduate of the commerce school. The couple will reside in Clearwater.

**Paul A. Barresi** '84, No. Reading, Mass., received his law degree from George Washington University in May and joined the Boston law firm of Goodwin, Procter and Hoar as an associate in their environmental department.

**Brent A. Buchanan** '86 of Tampa, Fla., is attending graduate school at Michigan State University.

**Regina H. Clarke** '85, Pearl River, N.Y., recently completed her MS in molecular biology and is doing some scientific writing on the "sixth sense."

**Scott A. Crego** '86, Tonawanda, N.Y., is the newly elected secretary of the Cornell Club of Buffalo.

**Patricia Patynski-Darnauer** '86 received a commission in the U.S. Army upon graduation. Two weeks later she was married to Eric Darnauer '84, who is currently an aviator in the Army. They are stationed at Hickam AFB, Hawaii.

**Edward B. Dicker** '86 of Wantagh, N.Y., is a medical student at SUNY Health Science Center at Syracuse. He will be graduating in May 1990.

**Laine Guiley-Dilger** '82 and **Christopher Dilger** '83 of Palatine, Ill., announce the arrival of a second baby boy, Travis, born on April 25.

**Michael E. Dym** '86 of Oceanside, N.Y., has completed his freshman year at the School of Veterinary Medicine at the University of Pennsylvania.

**Cynthia A. Edelstein** '86 has moved to Philadelphia and is a tax consultant for Deloitte Haskins & Sells.

**Kathleen R. Erwin** '85 is working in Washington, D.C., for two foundations that sponsor educational and medical programs in China.

**Kimberly Ann Farrell** '87, Auburn, N.Y., works in youth development as a 4-H agriculture agent.

**Jasmine Adham-Faubert** '82, Falls Church, Va., is married to **Eduardo Faubert** (Hotel '79) and works for Price Waterhouse, Washington, D.C., as a senior consultant.

**Jeffrey C. Fearn** '82 of Ithaca received his Ph.D. in biological chemistry from the University of Illinois. He is a post-doctoral associate at Boyce Thompson Institute working with Dr. T. A. LaRue on expression of host pea gene products involved in symbiosis.

**Susan F. Feldinger** '84, New York, is a creator of home videos for children. Watch the toy and book stores for her material, which will be released in September.

**Paul M. Gallagher** '82 of Sangerfield, N.Y., will be attending Albany Law School this fall. His wife, **Cindy Peck** '83, will be working as herdsperson on her home farm, Welcome Stock, in Schuylerville, where the couple will live.

**Kristin M. Garbinski** '86, Westfield, N.J., is an associate buyer with the Wakefern Food Corp. She buys appliances, small electronics, and specialty programs for the 190-store chain of ShopRite supermarkets.

**John D. Ten Hagen Jr.** '86 was married to **Kelly E. Grieb** '86 in August 1987. John is an officer with the Wells Fargo Bank and Kelly is a graduate student studying genetics at Stanford.

**Betsy D. Hale** '86 and her husband Steve are managing a

13,000-acre, 1,000-cow ranch in Bartlett, Neb.

**Kathleen O'Donnell Helenbrook** '83, Ontario, N.Y., spent three weeks in China this year with the People-to-People Citizen Ambassador Program. The trip was an agricultural technological exchange in meat science.

**Corinne R. Hermann** '86 of Scarsdale, N.Y., is a fashion writer for Vogue magazine. She will be moving to Manhattan shortly.

**Lt. Daniel L. Hooker** '86, Camp Pendleton, Calif., is a logistics officer in a Marine Infantry Battalion which headed to the Far East in June.

**Stephen L. Jacobson** Ph.D. '86 received an award for the outstanding dissertation in educational finance from the American Education Finance Association.

**Stephen T. Lacasse** '80, is general manager of Shoreham Cooperative Apple Producers Association, Shelburne, Vermont. He and his wife, Arlene, have two young children.

**Patricia E. McKenna** '84 is the coordinator of technical training for Sire Power, Inc., Tunkhannock, Penna.

**Timothy** '86 and **Mary Oonk** '85 of Watford, N.Y., had their first child on October 20, 1987.

**Kevin A. Myer** '83, Burke, Va., is working for the City of Fairfax as a paramedic/firefighter. He will be getting married October 1988 to Lorelle Marly, a graduate of the University of Virginia.

**Mary Lee Parsons** '82 of Sharon Springs, N.Y., is currently running a dairy farm of 65 milking cows.

**Lori Judd Rider** '84, Bridgeville, Del., married to **Robert F. Rider** '85, works for the University of Delaware Cooperative Extension Service as an extension assistant in vegetable crops.

**Gary R. Schott** '86 and **Andrea M. Malnendier** '86 were married October 17, 1987 in Horseheads, N.Y. Gary is employed by Nabisco Brands, Inc. and Andrea by Griffith Laboratories.

**Michelle A. Singer** '86 is attending the College of Veterinary Medicine at Cornell.

**Peter W. Skura** '86, South Hadley, Mass., is making good use of his horticulture degree at the Montgomery Rose Company.

**Lauren A. Spina** '84, Mt. Kisco, N.Y., is a corporate associate at the law firm of Skadden Arps, working primarily on mergers and acquisitions.

**Pamela J. Stanyon** '85 has moved to Elizabethtown, Penna., and works for a division of Hershey in Lancaster.

**Lorrie A. Ziobro-Tritt** '83, Blue Mounds, Wisc., married Edward Tritt of Kenosha in January. Both are veterinary students at the University of Wisconsin.

**Susan E. Webb** Ph.D. '88 is living in Leesburg, Fla., and does research at the University of Florida involving insect pests of grapes.

**Karen S. Williamson** '80, Bethlehem, Penna., recently joined the Allentown office of Spotts, Stevens and McCoy, Inc., engineers, planners and scientists, as project manager, landscape architect, and site planner.

## Corrections

In the last issue we misprinted **Mary Browne** as Nancy Browne in our Alumni Notes. Mary Browne '87, Cleveland, is the leading scorer in the top grade of female basketball in Ireland. She averages 25 points a game.

70

**Charles H. Antholt** '72, Washington, D.C., is the assistant director for USAID's agricultural

program in India. He has been spending some time in India as a result.

**David Boor** '79, Horseheads, N.Y., moved back to the dairy farm after working for three years at the Farmers Production Credit Association of St. Johnsbury, Vt.

**John L. Brankamp** '76, San Gabriel, Calif., works as a salesman for Robinson Fertilizer Company, selling chemicals and fertilizer to golf courses, city parks, and related customers.

**Rodney A. Brook** '75, Arlington, Va., is the deputy managing editor/money for USA Today.

**Sayre Fulkerson** '75, Dundee, N.Y., grows grapes and operates a juice plant and home winemaking shop.

**Marlene Angel Harper** '74, Washington, D.C., has been very active as a salesperson and an actress. She has appeared in several movies and is a member of several area advertising and media organizations.

**Steven J. Halperin** '79, Columbia, Md., is a systems coordinator with Shimadzu Scientific Instruments. His wife Debby and daughter Dana are active in the Columbia Ski Club.

**Margaret Rosenberg Hood** '76, Silver Spring, Md., is the executive director of a small non-profit organization, the Human Environment Center. She is married and the proud mother of two Korean girls, Elizabeth and Allison.

**Ann Voorhees Kirchner** '76, Bel Air, Md., is a finance manager of the Mid-Atlantic region of Maryland Casualty Company.

**Joshua D. Klein** '77, Rehovot, Israel, received an M.S. in horticulture from Penn State and a Ph.D. from Michigan State. He has been involved in research on fruit storage.

**Nancy Kollisch** '72, San Diego, Calif., earned her M.D. from Johns Hopkins in 1976. She is married and has two daughters.

**Leslie A. Leinwand** '72, Pelham, N.Y., is involved in research on heart disease, using hearts rejected by transplant patients to learn more about heart disease and its causes.

**Frederick A. Oese-Siegel** '76, Waterloo, N.Y., is an assistant dairy manager and is busy remodeling an old farm house. Last May he and his wife had their first son, Emory Robert.

**Lewis Weinstock** '77 and **Marian Ruderman** '79 (Arts) have just completed a new house in Greensboro, N.C. Lewis is an air quality specialist and Marion is a behavioral scientist with the Center for Creative Leadership.

**Alan Reed** '78 is operating a dairy farm partnership with his two brothers.

**Harriet Seldin** '73 has a dental practice in San Diego, Calif.

**Cynthia Terry** '73, Watkins Glen, N.Y., is an internist practicing in her hometown. Her husband, John, works in the Cornell chemistry dept.

**Robert Tillman** Ph.D. '72, Washington, D.C., is a team leader for a three-year socioeconomic and environmental survey in Somalia under a USAID contract.

60

**K. G. Baker** '62 is a veterinarian with the San Diego (Calif.) County Department of Animal Control.

**John R. Crankilton** '69, Blackburg, is a program area leader in agriculture education at Virginia Polytechnic Institute and State University.

**John A. Gaines** '67 and his wife **Patricia** '68 are living in Groton, N.Y. Their oldest son and his wife (John and Shelly) have just graduated CALS (1987) and their other son, David, is in the class of 1990.

**Paul E. Green** '66 of Chazy, N.Y., has a daughter, Kimberly, now at

tending CALS as a communications major. Another daughter, Kristen, has been accepted by Cornell Hotel School and Boston College and is still undecided.

**Michael S. Hall** '68 of Ithaca is a brigadier general in the New York Air National Guard. He is commander of the 174th Tactical Fighter Wing based in Hancock Field near Syracuse.

**Toby Tucker Hecht** '67, Bethesda, Md., is a program director in the division of cancer treatment at the National Cancer Institute. She is married and has two sons.

**Joe McKay** '61, New York, is a career counselor of business executives and professionals, many of whom are seeking career changes after 20 to 30 years in their field.

**Gregory G. Pogson** '69, Ithaca, is marketing manager of Cortland Line Co. and general manager of the company's precision sports division. He was founder and part-owner of Precision Sports Inc. before it was acquired by Cortland Line.

50

**J. Douglas Dodds** '50 of Deforest, Wisc., retired as dairy marketing manager at American Breeders Service in 1987.

**Carl F. Gortzig** '52, Ithaca, is on sabbatical leave after stepping down after 12 years as chairman of the Floriculture and Ornamental Horticulture Department at Cornell University.

**Clare I. Harris** '55, Silver Spring, Md., recently received the Presidential Rank Award "for sustained superior accomplishment in management of programs of the United States Government and for noteworthy achievement of quality and efficiency in the public service."

**Theodore Hymowitz** '55, Champaign, has been a professor of plant genetics at the University of Illinois since 1967. This spring he visited the Asian Vegetable Research and Development Center, Shanhua, and collected germplasm in Taiwan.

**John W. Mellor** '50, Alexandria, Va., director of the International Food Policy Research Institute, recently received a Presidential award from the End Hunger Network that was sponsored by the U.S. Agency for International Development.

**James C. Preston** '50 and **Gretta** '68 retired to Hector, N.Y., on Seneca Lake last summer. James was a professor of rural sociology at CALS and Director of the Empire State

Food and Agricultural Leadership Institute. He will work part-time at Cornell.

**Bernard Roddey** '55, Caledonia, Ill., has been employed by Upjohn Company's Agricultural division since 1960. His two children **Celia** '81 and **Mel** '84 are also Cornell graduates.

**Robert W. Snyder** '53, Minneapolis, Minn., will be retiring this summer as an extension land economist at the University of Minn. He will then practice law.

**Nevon W. Tarbell** '59 of Sinclairville, N.Y., is employed by FmHA Chautauque Co. Agriculture Center. He is also a town of Charlotte assessor.

40

**Edgar H. Behrens** '45 of Highland Farm, Old Chatham, N.Y., has retired from dairy farming and is now enjoying his grandchildren and his first love — horses.

**Charles E. Haslett, Jr.** '43, Horseheads, N.Y., is semi-retired as a special agent for Metropolitan Life. He has three children who are also Cornell alumni.

**Torry Lascala** '43 has moved to Santa Rosa, Calif., after spending six years in South America. He is now in real estate and fishing.

**Elvin G. Tyler** '49 of Penn Yan, N.Y., is retired from Taylor Wine Company.

**John H. Van Ness** '43 is temporarily living in Richmond, Va., where he is recovering from surgery. He recently retired from oral and maxillofacial surgery and is considering a part-time teaching position at the Medical College of Virginia.

30

**Richard** '38 and **Barbara Mandigo** '37 of Pulaski, N.Y. have sold their farm to their son **Daniel Mandigo** '71. Richard has five sons and one daughter, all graduates of Cornell University. Several have earned graduate degrees at Cornell and traveled extensively, visiting every state and 50 foreign countries. The farm has been in the family since 1876.

**Evelyn Wilson Monroe** '39, Newark, Del., is one of the governors-at-large of the Cornell Club of Delaware.

**William C. Twaddle** '39, Chateaugay, N.Y., has retired from the dairy equipment business. He is serving as NYS Code Enforcement Officer for the town and village.

Laura VanderVleit Rodgers '89

# Moving?

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

Mail to Office of Alumni Affairs and Development, 242 Roberts Hall, College of Agriculture and Life Sciences, Cornell University, Ithaca, NY 14853-5901.

NAME \_\_\_\_\_ CLASS YEAR \_\_\_\_\_  
ALUM? \_\_\_\_\_ FACULTY? \_\_\_\_\_ FRIEND? \_\_\_\_\_ I.D. \_\_\_\_\_  
FORMER ADDRESS \_\_\_\_\_  
NEW ADDRESS \_\_\_\_\_  
TELEPHONE (HOME) \_\_\_\_\_ (OFFICE) \_\_\_\_\_  
OCCUPATION \_\_\_\_\_  
PERSONAL NEWS \_\_\_\_\_

(Use separate sheet of paper if necessary)



New members of the ALS Alumni Association board of directors, left to right, front: Richard Keene '57, David Currey '65. Back, front: Paul Tilly '58, Frederick Frank '79, Marion Rippey '79, and Thomas Cosgrove '90. Absent were Charlene Baxter '74, Larry Brown '57, and Bruce Wright '75.



SUNY Day in Albany. Alumni president Albert Beard (center) and Associate Director for Alumni Affairs Tina Walker (right) discuss college needs and accomplishments with New York State Senator James Seward.

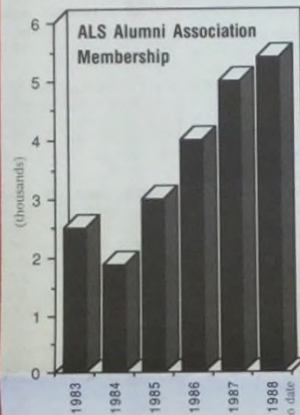
## From the Director

John C. Sterling  
Director  
Alumni Affairs  
and Development

### Alumni memberships at all-time high

There must be a law that says "an error in a publication won't be found until it is finally printed." The Alumni Association membership growth chart included on page 2 of the membership roster (April Agriculture and Life Sciences News) was inadvertently reversed during printing. A corrected slip sheet was inserted in each copy, and we hope it remained inside until it reached you.

The good news is that the news is even better! As of May 31, membership in the College Alumni Association has grown to another all-time high of about 5,400! Thanks go to the Class of 1985 for a 65 percent renewal rate and to the class of 1988 for 600 new members of the association.



### Alumni news

The "Alumni News Notes" page in each issue of *ALS News* was started about two years ago, with news on only 14 alumni. Today we could fill several pages of each issue. Notes of every kind and form come in from hundreds and hundreds of ALS alumni. The notes are collated, deciphered, and written in much abbreviated form by students from the Communication Department. During the past year, the difficult job was performed by students Steven M. Werblow '88, Cathryn S. Keene '88, and Kirsten M. Fowles '88. This issue Laura VanderVliet '89 tries her hand. A new crew of writers will tackle the pile of notes this fall. It's an important job, and we appreciate the news from alumni and the work of these fine writers.



Past presidents of the College of Agriculture and Life Sciences Alumni Association met for the first time in April. Standing, left to right: Floyd E. Morter, Jr. '52, Canton; Philip A. Green '64, Plattsburgh; Robert W. Blitz '52, Plainville; Louis Matura '58, Ontario, Canada; Clifford F. Luders '38, East Aurora. Seated: Albert Beard, Jr. '52, Milford; John J. Sullivan '62, Rochester; Steve M. Smith '35, Yorkshire; and Don C. Whiteman '39, Adams. Not pictured, Judy Riehlman '82, Homer.

### Office volunteers

Giving to the college and ALS alumni involvement with the college are combined responsibilities of the Office of Alumni Affairs and Development (we also are responsible for publishing the News three times a year for 35,000 alumni). Significant growth at all points have caused a strain on existing office staff to respond to alumni and college needs. Recently, alumni volunteers Jean Houghton '62 and Kay Barnes '42 have committed major time to help with alumni membership processing—and student Eve Pouliot '90 with development and alumni tasks. We sure appreciate their help as volunteer staff.

### Gifts to the college

As tax dollars are squeezed, tuition increases, and the costs for maintaining a first-rate college with the best faculty and facilities to do the job, the need for private gifts becomes increasingly important.

Jean Rowley '54, Chair of the College Development Committee, Dean David L. Call '54, and others have restructured the Development Committee into four action oriented standing committees: Major and Special Gifts; Annual and Reunion Giving; Donor Prospect Identification; and Special Projects (such as Personal Enterprise and Small Business Management Program; Mann Library; and Alumni Auditorium). Rowley announces committee chairs elsewhere in this *News*.

Giving to the college increased by 10 percent in 1987 over 1986, not including the \$3.8 million bequest from the Baker estate. Figures for 1988 were not available at press time. Yet needs by the College in the areas of student support, faculty support, general college support (for departments, equipment, etc.), and programs for teaching, research, and extension far exceed present levels of giving.

Certainly the twenty percent increase in Cornell Fund gifts designated for the college from our alumni readers will be of great help. And the 25 new funds established during the past year for financial aid to students will ease the burden on the student side. More and more alumni are saying, "Now it's time for me to partially repay what Cornell and the College of Agriculture and Life Sciences did for me." And do we ever appreciate your generous help!

It's a great time to be a part of Cornell. Join us on September 16 and 17 for AL-Scapades '88 (or anytime) and see for yourself. You'll be glad you did. ■

## Alumni Association Members Deleted

For an unknown reason, the computer failed to give us the names of all Life Members in the Alumni Association for the College of Agriculture and Life Sciences for our 1987 Member Roster printed in the April 1988 issue of *ALS News*.

Those unintentionally deleted were:

Eric D. Allen '75 Schaghticoke, NY  
Charles H. Antholt 'GR Washington, DC  
William A. Babiarz '81 Rushville, NY  
David P. Barthol '66 Batavia, NY  
Tod A. Bay '83 Auburn Hills, MI  
Morton Bishop III '74 Portland, OR  
Howard Borkan '81 New York, NY  
Royce B. Brown '33 West Eaton, NY  
D. Sheldon Brown '68 Salem, NY  
Eric G. Brown '85 Albion, NY  
Peter L. Callan '76 Caledonia, NY  
Frank Carroll '37 Portlandville, NY  
Wayne F. Currie '67 Ottawa, Ontario  
Rex J. Dorman '63 New York, NY  
Ned N. Diamond '77 Jericho, NY  
Harry M. Elliott '64 Dallas, TX  
John G. Franclemont '35 Ithaca, NY  
John P. Freeman '84 Caledonia, NY  
Donna Iannotti Frost '81 Akron, OH  
Paul M. Gallagher '82 Sangerfield, NY  
James H. Gallup '61 East Aurora, NY  
Ronald Geren '59 Severna Park, MD  
Michael J. Gerling '76 New York, NY  
Pedro L. Gomez-Cuervo 'GR Bogota, Colombia  
Kenneth Goodwin '48 State College, PA  
Victoria Gregory '78 New Berlin, NY  
Fabio G. Grossi '81 Long Beach, CA  
Kevin J. Haddock '82, Swan Lake, NY  
Robert M. Harrison '81 Marcellus, NY  
David F. Henke '70 Harford, NY  
J. Michael Holloway '73 Fairport, NY  
Linda J. Howard '77 Alexandria, VA  
Nancy J. Imhof '83 Greenwich, NY  
Thomas M. Kelsey '72 Laredo, TX  
Merrill N. Knapp '35 Ithaca, NY  
Toilo Kong '84 New York, NY  
David C. Lyon '60 Marion, NY  
Godfrey C. Malchoff '43 Sodus, NY  
Bernice Potter Masler '82 Truxton, NY  
Mark G. Masler '82 Truxton, NY  
Scott A. Matolka '81 Dover, NJ  
Denise P. Meredith '73 Sante Fe, NM  
Bruce B. Nichols 'SP Ogdensburg, NY  
Richard K. Overton '66 Medway, MA  
Kenneth G. Parnap '69 North Bangor, NY  
Kelvin D. Pierce '83 Hammond, NY  
Christine Raschke 'GR Metairie, LA  
Alan G. Reed '78 Adams Center, NY  
Alice K. Reynolds '80 San Antonio, TX  
Frank J. Roberto '43 Highland, NY  
James S. Rock 'GR Norwich, CT  
Robin E. Rosenberg '81 New York, NY  
John H. Ross '51 Lowville, NY  
Trina R. Russell '83 Elkins Park, PA  
Doris A. Ryan '85 Ithaca, NY  
Gordon L. Seward '61 Bergen, NY  
Pamela J. Stanyon '85 Elizabethtown, PA  
Samuel D. Sterusky 'SP Little Falls, NY  
Arnold T. Tschanz '64 Gaithersburg, MD  
Dirk K. Vanderwall '82 Montgomery, NY  
Richard C. Yates '24 Denver, CO  
Connie A. Young '83 Rome, PA  
Jessica Pearlstein Zachs '81 New York, NY

Those with APO and FPO addresses who should have been listed with their home addresses include:

Helen R. Godfrey '81 White Plains, NY  
Robert D. Davids '85 No Home Address  
Barton M. Hayward '52 Camden, SC  
Eugene L. Stillions, Jr. 'GR Fort Lee, VA  
Andrew A. Duymovic '62 Bethesda, MD  
David W. Carey '66 No Home Address  
Daniel Salazar '86 Scarsdale, NY  
Jon B. Christopher '71 Tuscaloosa, AL

### Florida ALS and Human Ecology Alumni to Meet on Grape Research and Opportunities

Saturday, November 12, 1988  
11:00 a.m. to 3:00 p.m.  
Lake County Agricultural Center  
Route 19  
Tavares, Florida

#### PROGRAM

Morning:  
The Research

J. A. Mortensen '58 Ph.D. and Susan Webb '88 Ph.D., Central Florida Research and Education Center, Institute of Food and Agricultural Sciences, University of Florida  
The Opportunities  
Lafayette Vineyards and Winery

#### Noon:

Lunch at The Golden Lamb and Perkins Restaurants—your choice (Dutch)

#### Afternoon:

"Cornell on the Cutting Edge," Kenneth E. Wing '58, Associate Dean, College of Agriculture and Life Sciences, Cornell University

#### REGISTRATION

Send \$1.50 per person, name, class year, address, and telephone number to:

Donald G. Robinson '41 ALS or  
Thelma Robinson '42 HE, 125  
Camellia Trail, Leesburg, FL 32748.



District #3, New York City



District #3, New York City



District #6, Columbia, Dutchess and Greene counties



District #16, Monroe, Ontario and Wayne counties



District #6, Richard Church '64 counsels prospective students and their parents on the application process for the College of Agriculture and Life Sciences.



District #16, Monroe, Ontario and Wayne counties

## Event Draws 1,900 in Three Years

# 750 Attend '88 Dean/Alumni Get-Togethers

More than 750 alumni and friends of the college attended the seven 1988 Dean/Alumni Get-Togethers with Deans David L. Call and Kenneth E. Wing.

This spring's gatherings of ALS alumni complete the first three-year cycle of Dean/Alumni Get-Togethers, which are sponsored by the Alumni Association for every New York State district. Nearly 1,900 alumni and friends have attended since the rotation began in 1986. The

events are a time when the dean reports to alumni at the local level and a time for alumni to meet and stay in touch with their alma mater.

This photo page is devoted to districts with recent Dean/Alumni Get-Togethers. Get-Togethers for 1989 are scheduled for Fonda, Oneonta, Cortland/Ithaca, Perry, Saratoga Springs, and New York City. Watch for the announcement on spring dates. ■



District #16, Monroe, Ontario and Wayne counties



President Paul Tilly '58 discusses the college Alumni Association with Atlanta and Athens area ALS alumni.

## From Your Alumni Association President—Paul Tilly



What a delightful opportunity. I became president of your Alumni Association at a time when membership is at an all-time high and increasing; the board is strong and committed to alumni, students, faculty, and college needs; students are graduating with leadership skills needed in the world; and the climate on campus is positive!

Past President Robert Bitz '52 said at the first meeting of the Past Presidents' Honorary Council:

"The College Alumni Association gives each of us an opportunity to recall what Cornell did for us. It's a chance to help young people enjoy the opportunities we had, to share experiences with other alumni, to thank and help in any way we can that which has meant so much to us. We weren't at Cornell just because of what we did, but because many people helped us to get what we got. Now we have the opportunity to help others."

Fortunately, our 1988 graduating class feels the same way about the need to stay

in touch and help others. A record 600 joined the Alumni Association this year. As a matter of fact, at least 400 graduates have joined the Alumni Association each year since 1985!

I follow a long line of very strong Presidents. But it was during 1985, under the presidency of Judy Riehlman '80, that the alumni board moved to expand the role of directors from board members to leaders of teams working in districts and states. It was the beginning of local alumni activity, leadership teams, state coordinators, county captains, and alumni involvement everywhere.

Past President Al Beard '52 was committed to strengthening and stabilizing the finances of the association, promoting ALS alumni activity in local areas, and adequate staffing for the college's Alumni Office. He has achieved all of his goals. Alumni everywhere have benefited from his commitment.

I look forward to helping alumni everywhere keep in touch with the college, faculty, and classmates. As Al Beard said, "It's a great time to be president." ■

Paul Tilly '58  
President, 1988-89



District #16, Monroe, Ontario and Wayne counties



District #21, Cattaraugus and Chautauque counties



District #21, Cattaraugus and Chautauque counties



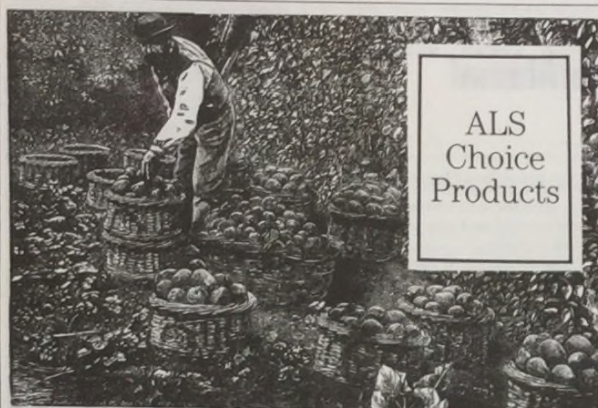
District #21, Cattaraugus and Chautauque counties



District #6, Columbia, Dutchess and Greene counties



A joint event by District #7, Albany, Schenectady, and Rensselaer counties, and District #8, Saratoga, Warren, and Washington counties



## ALS Choice Products

Produced by the Departments of Food Science,  
Pomology, and Natural Resources

### A. THE NEW YORKER \$27.00

A bouquet of flavors from New York State featuring Chocolate Herkimer (6 oz.), Chutter (8 oz.), 10 oz. ea. Sainte Rachel (creamy havarti type), Castleborg (swiss type), 2 lb. sharp cheddar wheel, Old York cheddar with horseradish (12 oz.), and, for the sweet tooth, a half-pint of maple syrup.

### B. THE NEW YORK INTERNATIONAL \$18.00

A collection of international flavors of cheese all produced in New York State. It features 10 oz. pieces of Grand Gouda, Grand Edam, Sainte Rachel (creamy havarti type), and Castleborg (swiss type) surrounding a 1.5-lb. block of New York Sharp Cheddar Cheese.

### C. THE UNIQUE NEW YORK BOX \$31.50

A choice selection of New York State apples and cheddar cheese (approximately 24 apples and a 2-lb. cheese wheel) and two brand new products developed by members of the Cornell community: Satin Honey (12-oz. jar) and Apple Wafers (8-oz. bag).

If you are thinking of an elegant and tasteful gift this holiday season, consider our gift selections as an expression of good feeling and best wishes to family, friends and business associates.

If these fine selections do not meet your holiday shopping needs, contact us by mail or phone and we will be happy to send you information on our other quality gift selections.

Send all orders and inquiries to Food Science Department, Box G Stocking Hall, Cornell University, Ithaca, NY 14853.

Phone: Cornell Dairy Store 607-255-3272  
Cornell Orchards 607-255-4542

### Shipping and Handling Charges (All shipments by UPS)

If destination zip codes begin with:  
Selection A, B 010-299 300-599 600-994  
Selection C \$3.70 \$5.60 \$6.80  
\$5.50 \$7.25 \$9.50

This year we will be offering charges through Visa and MasterCard. If you would like to charge your gift selection, please fill in the following information.

( ) MasterCard ( ) Visa

Card Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Card Holder's Full Name \_\_\_\_\_

### ORDER FORM

Orders being accepted now for shipments anytime.

Person ordering \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Gift Box Selection	Description	Unit Price	Ship. Chrg.	Total

Greetings From (card supplied): \_\_\_\_\_ (Please Print)

Send to: \_\_\_\_\_

Address: \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

ZIP CODE \_\_\_\_\_ SHIP BY DATE: \_\_\_\_\_

### College Alumni to Cruise to Galapagos Islands



Join College of Agriculture and Life Sciences alumni on a trip to Ecuador and the Galapagos Islands next winter. The Galapagos are rightly regarded as one of the world's great natural wonders. Isolated by thousands of square miles of sea, these islands form a living laboratory of natural history, geology, and evolution. Here you can experience the natural world as nowhere else on earth, for the birds and animals that inhabit these magical islands have absolutely no fear of humans.

You'll spend several days cruising on the *Galapagos Explorer*, an air-conditioned ship recently outfitted for

Galapagos touring. You'll be accompanied throughout the cruise by trained scientists who come from all over the world to serve as leaders in this unique habitat. These licensed guides will provide lectures and orientations on each day's activities. From the ship you travel by launch to each island in small groups, accompanied by your guide, who will explain the natural history of the islands.

In mainland Ecuador you'll travel by train through the Avenue of the Volcanoes on one of the most scenic and exciting railway journeys in the world. At Cotapaxi Volcano National Park you may catch sight of the rare Andean Condor. You'll visit a colorful Indian market and spend the night in a historic colonial manor house. In Quito there will be time to explore the city's fascinating historical and cultural heritage.

Sponsored by the ALS Alumni Association, this 14-day trip is scheduled for February 10, 1989. The cost is \$2,995, which includes air fare from Miami, all accommodations, and most meals. For a detailed itinerary contact Voyagers International, P.O. Box 915, Ithaca, NY 14851; or call 607-257-3091. ■



Nearly 500 years of service to the college are represented by these retiring faculty, who were honored by the ALS Alumni Association at the annual breakfast. Left to right, Albert Beard, Jr., immediate past president of the alumni association; Arthur A. Muka, entomology (32 years); Raymond T. Fox, floriculture/ornamental horticulture (41 years); James C. Preston, rural sociology (37 years); Bernard E. Dethier, agronomy (30 years); Edwin B. Oyer, international agriculture (30 years); Ronald E. Anderson, plant breeding and biometry (34 years); Keith H. Steinkraus, food science/technology (36 years); Maurie Semel, entomology, Long Island (34 years); Natalie W. Uhl, Bailey Hortorium (42 years); L. Dale van Vleck, animal science (29 years); and William B. Ward, communication (43 years).

### Scenic Prints of Cornell and Ithaca A Perfect Gift—Any Time

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 communications. 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.
- ☐ Taughannock Falls... Winter Morning: \_\_\_\_\_ prints at \$10 each.
- ☐ Cascadilla Gorge... Fall Afternoon: \_\_\_\_\_ prints at \$10 each.
- ☐ The Four Season Set: all prints for \$36.
- ☐ 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, 242 Roberts Hall, 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:



### Purina Research Fellow

Yves Boisclair is one of five outstanding graduate students nationwide to receive a Purina Mills research fellowship in this year. A Canadian, Boisclair is studying how growth in cattle is affected by changes in feed and by regulation of somatotropin, the natural growth hormone. The fellowships, worth \$8,000 each, have been awarded annually for the past 38 years by Purina Mills, the largest animal feeds producer in the United States, to further nutrition and physiology research in animal agriculture.

## Women in Science Conference

Metta Winter

In mid-February more than 20 of the college's women faculty participated in the first Conference on Women in Science held at an Ivy League university. Sponsored in cooperation with the National Science Foundation (NSF), the day-long event was designed to provide both encouragement and practical, career-related information for women graduate students and postdoctoral associates who aspire to succeed in male-dominated professions.

Nationwide, and in the college, women are 50 percent of the college population. Yet of the quarter of a million scientists and engineers working in the United States only 16 percent are women. One of the most productive ways to decrease this disparity, said keynote speaker Sheila Widnall, is to give women graduate students the kind of career-related skills needed for a "highly professional, highly autonomous, independent scientific career with the kind of leverage needed to make one's mark in such competitive fields." Widnall is professor of aeronautics and astronautics at the Massachusetts Institute of Technology and chair of the board of the American Association for the Advancement of Science.

Three recent surveys conducted at Stanford University and at MIT show that women graduate students do not experience the support system, which is the source of developing professional skills, in the same way their male counterparts do. To make matters worse, the long-range importance of the skills acquired in the support process is rarely made explicit to women students.

"Cornell faculty were concerned that their graduate students might not be competitive with students from other universities, who might be not as technically knowledgeable, simply because they might not get the training on professional issues while in graduate school," said conference director, space physicist Alice Newman. Hence the idea of the conference that brought together 13 eminent women scientists from industry, academia, and medicine to give women students just that.

Of the more than 400 faculty, staff, graduate students, and postdoctoral associates who participated, 188 were from the college. Alison P. Casarett, dean of the Cornell Graduate School, said, "It

was an excellent opportunity for graduate student women working in the sciences to interact with their peers, to learn what to expect when they leave Cornell, and to find out some of the opportunities, perils, and pitfalls of balancing home and career."

There were advantages for the faculty as well. "We know that to hire more women and minorities on the faculty we need a larger pool of applicants," said Elizabeth Oltenacu, associate director of instruction. "For women who felt discriminated against in graduate school, a conference like this shows them there are women scientists succeeding at Cornell, that academia is a viable career option to look at."

The Offices of the Vice President for Academic Instruction, the Vice President for Research and Advanced Studies, and the Associate Vice President for Human Relations have committed funding to sponsor Women in Science Conferences at Cornell for at least the next three years. "This year's event had a very general focus," says planning committee member Maureen Hanson, associate professor of plant molecular biology. "In the coming years we plan in-depth explorations of those issues that we learned were particularly important to women graduate students."

Although designed specifically for women, there is much that will occur of relevance to men, said planning committee member Molly Kyle, currently a postdoctoral associate in genetics who will join the faculty in plant breeding next year. "When we begin to deal with issues of importance to women, a host of complementary issues are raised for men. It is a recognition of the fact that a better environment for women in science is a better environment for all scientists."

The next Women in Science Conference will be held April 22, 1989, at the start of the NSF-sponsored National Science and Technology Week. This week of events promotes research and encourages students to enter scientific fields. Alumni who wish to contribute their own experiences as conference participants are encouraged to attend. For more information write to Katherine Doob, Director of Special Programs, Office of Academic Programs, 309 Day Hall, Cornell University. ■

## Alumni Association Leadership 1987-88

### BOARD OF DIRECTORS

#### President

Paul Tilly '58  
(District 19: Genesee, Livingston, Orleans, Wyoming counties)  
1891 Rochester Street,  
PO Box 37 A  
Lima, NY 14485  
(716/226-2107H)  
(716/582-1660Y)

#### First Vice President

Douglas Conti '60  
(District 16: Monroe, Ontario, Wayne counties)  
4172 Clover Street  
Honeye Falls, NY 14472  
(716/624-3344H)  
(716/424-2500Y)

#### Second Vice President

Stephen E. Teale '72  
(District 11: Jefferson, Lewis, St. Lawrence counties)  
North Road Route 1, Box 7  
Labson, NY 13658  
(315/393-3067H)

#### Secretary

Thomas Hoy '70  
(District 9: Saratoga, Warren, Washington counties)  
25 Pershing Street  
Glens Falls, NY 12801  
(518/793-3520H)  
(518/793-4121, Ext. 403Y)

#### Treasurer

George J. Conneman '52  
192 Roberts Hall  
Ithaca, NY 14853  
(607/257-1470H)  
(607/255-3081Y)

#### Immediate Past President

Albert Beard, Jr. '52  
R.D. #, Box 111  
Milford, NY 13807  
(607/547-8072H)  
(607/547-6033Y)

#### Student Representatives

Tom Cosgrove '90  
Cornell University  
Ithaca, NY 14853

Laura J. Rodgers '89  
Cornell University  
Ithaca, NY 14853

#### District Directors

Frederick Frank '79  
(District 1: Nassau, Suffolk counties)  
PO Box 423  
Glen Head, NY 11545  
(516/626-1417H)

Thomas Dyeovich '81  
(District 2: Kings, Queens, Richmond)  
149-41 19th Avenue  
Whitestone, NY 11357  
(718/767-3714H)  
(201/446-2500Y)

Marya Dalrymple '70  
(District 3: Bronx, New York)  
Apt. 3W, 40 West 24th Street  
New York, NY 10010  
(212/989-4155H)  
(212/505-2255Y)

Carl Specht '60  
(District 4: Putnam, Rockland, Westchester counties)  
Finch Road, RD -1  
North Salem, NY 10560  
(914/669-5198H)  
(914/232-7118Y)

William A. McKee '71  
(District 15: Cayuga, Onondaga, Oswego, Seneca counties)  
7138 Bayview Drive  
Sodus Point, NY 14555  
(315/424-3178Y)

Finley M. Steele '36  
(District 17: Chemung, Schuylers, Yates counties)  
653 Euclid Avenue  
Elmira, NY 14901  
(607/732-6885H)

Charles Hebbelwhite '49  
(District 18: Allegany, Steuben counties)  
64 South Street  
Belmont, NY 14813  
(716/268-7491H)

J. Peter Dygert '61  
(District 20: Erie, Niagara counties)

Robert Kaplan '69  
(District 5: Sullivan, Orange, Ulster counties)  
Box 74, Glen Wild Road  
Woodridge, NY 12789  
(914/434-5624H)  
(914/434-4519Y)

R. Peters Hubbell, Jr. '80  
(District 6: Columbia, Dutchess, Greene counties)  
RD #1, Box A-1  
Old Post Road  
Red Hook, NY 12571  
(914/758-5274H)  
(914/229-5367Y)

Joseph Chuckrow '58  
(District 7: Albany, Rensselaer, Schoharie counties)  
78 Birchwood Lane  
Schenectady, NY 12309  
(518/785-7305H)  
(518/783-6158Y)

Bruce Wright '75  
(District 8: Fulton, Montgomery, Schoharie counties)  
54 N. Grand Street  
Cohoeskill, NY 12043  
(518/234-4280H)

Catherine Butts '81  
(District 10: Clinton, Essex, Franklin, Hamilton counties)  
Mannix Road  
Box 415-A, RD #1  
Peru, NY 12972  
(518/643-2897H)

David Currey '65  
(District 12: Herkimer, Madison, Oneida counties)  
RD #1, Box 348  
Eriville, NY 13601  
(315/662-3613H)  
(315/470-5419Y)

Richard Keene '57  
(District 13: Chenango, Delaware, Otsego counties)  
Box 31  
Gilbertsville, NY 13776  
(607/783-2328H)

Dr. Rochelle Evette Woods '74  
(District 14: Broome, Cortland, Tioga, Tompkins counties)  
114 Glenside Road  
Ithaca, NY 14850  
(607/277-3497H)

William A. McKee '71  
(District 15: Cayuga, Onondaga, Oswego, Seneca counties)  
7138 Bayview Drive  
Sodus Point, NY 14555  
(315/424-3178Y)

Finley M. Steele '36  
(District 17: Chemung, Schuylers, Yates counties)  
653 Euclid Avenue  
Elmira, NY 14901  
(607/732-6885H)

Charles Hebbelwhite '49  
(District 18: Allegany, Steuben counties)  
64 South Street  
Belmont, NY 14813  
(716/268-7491H)

J. Peter Dygert '61  
(District 20: Erie, Niagara counties)

64 S. Edgewood Drive  
Springville, NY 14141  
(716/592-2263H)  
(716/686-2043Y)

Larry Brown '57  
(District 21: Cattaraugus, Chautauque counties)  
11 Snell Place  
Jamestown, NY 14701  
(716/487-0515H)

Charlene Baxter '76  
(District 22: New England region)  
201 Wallace Road  
Bedford, NH 03102  
(603/526-6275H)  
(603/668-0700Y)

Donald Grive '72  
(District 23: West. Western Canada)  
University of Guelph  
238 Animal Science Nutrition Bldg.  
Guelph, Ontario, Canada N1G 2L8  
(519/824-4120 ext. 3693Y)

Aileen Merriam '60  
(District 23: East. Eastern Canada)  
RR3  
Manotick, Ontario, Canada K0A 2N0  
(613/692-4455H)  
(613/239-5379Y)

Marian Rippy '79  
(District 25: Midwest/Central region)  
50 Circle Drive  
Monticello, IL 61856  
(217/762-4301H)

**Ex-Officio**  
Jean F. Rowley '54  
Marine Midland Bank  
1 Marine Midland Plaza  
Buffalo, NY 14240  
(716/841-4155Y)  
(716/662-0059H)

**STATE COORDINATORS**  
Donald G. Robinson, Sr. '41  
(Florida)  
125 Camellia Trail  
Leesburg, FL 32748  
(904/787-3644)

Denise P. Meredith '73  
(New Mexico)  
PO Box 15491  
Santa Fe, NM 87506  
(505/988-6565Y)

Richard Baldwin '71  
(Massachusetts)  
5 Birch Terrace  
Westfield, MA 01085  
(413/568-4981H)  
(413/786-7600Y)

Neal E. Hall, MD '78  
(Pennsylvania)  
815 N. Mount Pleasant Road  
Philadelphia, PA 19119  
(215/248-4865Y)

Judith R. Cox '61  
(California)  
749 Solana Circle West  
Solana Beach, CA 92075  
(619/755-8343H)  
(619/452-2805Y)



A View of Central New York

### Poster Shows Unique View of Finger Lakes Region

"A View of Central New York" is a new, unique poster recently produced by the Cornell Laboratory for Environmental Applications of Remote Sensing (CLEARS). The poster measures 18" by 24" and shows the heart of the Finger Lakes Region in Central New York as photographed by astronauts on NASA's Skylab satellite on September 10, 1973 from an altitude of 250 miles. Recognizable are water bodies, farm fields, roads and an occasional cloud. Cornell's CLEARS promotes the value and applications of remote sensing through formal academic classes, short courses, workshops, newsletters, fact sheets, and brochures. The poster is available through CLEARS at 464 Hollister Hall for \$6. For mail orders, add an additional \$2.50 to cover shipping and handling; checks should be made payable to Cornell University. Inquiries can be directed to: Eugenia Barnaba, 607 255-0800.

## Real Estate Gifts: Your Options and Benefits

Increasingly real estate is being used to provide support for the university. For a donor, part of the advantage of donating real estate includes taking a charitable deduction for the property's current fair market value and, if you are holding highly appreciated property, avoiding capital gains taxes.

The simplest way to make a gift of property is either outright or by making a provision for a gift in your will. You may of course designate a particular college or program at Cornell that you would like to support with your gift.

Another alternative is to use real estate to establish a *life income arrangement*. Your gift of real estate goes into a trust that eventually provides lifetime income for one or two beneficiaries that you may name. Your gift can actually increase your income and provide several tax advantages. A prime time to consider this arrangement is when you are anticipating a sale of your property and would like to find a way to avoid capital gains tax liability.

Also, you may donate a residence or vacation home in a way that allows you

to continue to have lifetime use and occupancy after making the gift. With this option, your property will be available to provide support to our college after your lifetime, but it will immediately give you an income tax deduction and later save on estate taxes.

Lastly, in certain instances you may make a gift that gives you a tax deduction and cash in return. The *bargain sale gift* is a part-sale part-gift arrangement. It might be considered if the value of your property exceeds the amount you can consider for a gift.

Our development staff can provide further information on any of these arrangements and furnish you with illustrative examples of the actual tax advantages, all in confidence and without an obligation. Feel free to write or call David Schwartz, Director, Real Estate Gifts, Sage House, 607-255-3918; or contact John Sterling, Director of Development, College of Agriculture and Life Sciences, 242 Roberts Hall; 607-255-7651. ■

David Schwartz

# membership

## Join 5500 Other ALS Alumni Today!

If you aren't listed with our 1988 members... there is no better time to join the fastest growing college of agriculture alumni association in the country!

Name \_\_\_\_\_ Class year \_\_\_\_\_

Alum? \_\_\_\_\_ ID# \_\_\_\_\_ Faculty? \_\_\_\_\_ Friend? \_\_\_\_\_

Address \_\_\_\_\_

If an address change, former address \_\_\_\_\_

Telephone (home) \_\_\_\_\_ (office) \_\_\_\_\_

Occupation \_\_\_\_\_

Personal news \_\_\_\_\_

Use separate sheet of paper if necessary

### Dues:

2-year membership \_\_\_\_\_ \$20 4-year membership \_\_\_\_\_ \$36

Spouse \_\_\_\_\_ \$14\* Spouse \_\_\_\_\_ \$25\*

Life membership \_\_\_\_\_ \$250

Spouse \_\_\_\_\_ \$175\*

3-year installments

\$90/year—3 years

\$65/year—3 years (Spouse)

\*30% discount on spouse for joint

spousal memberships only

Make checks payable to **ALS Alumni Association**

Mail to Office of Alumni Affairs and Development, 242 Roberts Hall, College of Agriculture and Life Sciences, Cornell University, Ithaca, NY 14853-5901

## Centenarians Die

Two alumni who were born a year apart and lived more than a century died recently. Alumni obituaries normally are sent to *Cornell Alumni News*, but we thought the longevity of these gentlemen deserves an exception in *ALS News*.

**Rolla Lawry**, Class of 1910, was interviewed at his oceanside California home by Molly Cummings '85, a communication student, two years before his death in 1987. He reminisced about coming to Ithaca to talk with Professor Jimmy Rice about problems with his Plymouth Rock chickens, then staying on to study and do incubation and hatching experiments under Rice. Andrew Dickson White, first Cornell president, was a frequent visitor to the experiments. Liberty Hyde Bailey was dean of the College of Agriculture, and it was expected that he would offer Lawry an assistant professorship. But Purina Mills lured him back to his home state of Missouri, and his long association

with industry began. "My four years at Cornell were the best of my life," he told Cummings.

**Kenneth C. Livermore**, who died last September, graduated in 1909 and did graduate work at Cornell until 1912. He taught in the college for several years, then bought a farm near Honeyoe Falls, New York, to establish Quaker Hill Pedigreed Seeds to produce potato seed and certified grains. A writeup in the *Honeyoe Falls Times* in 1986 also credited him with starting Empire Farm Days, one of the largest farm shows in North America, which began on the Livermore farm in 1930. More than 3,500 people attended to see new farm machinery, potato cultivation, and storage techniques. His company continues today as Livermore Seed and Chemicals and is owned by K.C.'s grandson, David Livermore. It produces certified farm seed, grass seed, lawn and garden chemicals, and bird food. At his funeral, it was noted that he died at harvest time.

## New funds since the April 1988 issue of ALS News (as of June 1, 1988).

**Clifford Berg Entomology Endowment** fund has been established from the estate of Prof. Clifford O. Berg. Income will be used to defray the expenses of academically worthy but financially needy graduate students to attend regional or national meetings of the Entomological Society of America, the North American Benthological Society, or the Ecological Society of America.

**Herbert Harrison Fuller Cornell Tradition Fellowship Fund** has been established by Richard A. Fuller of Marina Del Ray, Calif., in honor of his father, Herbert '28. The fund will provide financial assistance to worthy, needy undergraduate students with preference to those from Madison, Indiana or from elsewhere in Indiana.

**James B. Palmer Graduate Assistantship**, established by James B. Palmer '21. The fund supports a graduate assistantship to be awarded at the discretion of the Dean of the College.

**Robert A. Polson Endowment Fund** has been established by Miss Margaret R. Polson '54 in honor of her father. The

fund will assist graduate students in rural sociology.

**Edward & Charlotte Raney Memorial Fund for Ichthyology** has been established by colleagues and friends in honor of Edward and Charlotte Raney. The income will be used to buy books for Mann Library on all aspects of ichthyology.

**Abraham Shenn Scholarship Fund**, provided through the estate of Abraham Shenn, will assist a needy Jewish student to attend the College of Agriculture and Life Sciences.

**Douglas Whitney Prize Fund** has been established by Douglas E. Whitney '61 for a junior or senior Cornell student interested in pursuing a law degree and who has sound technical knowledge in engineering, biological, or physical sciences, including math and computer science, or any of the natural sciences. ■

Lael C. Carter  
Associate Director of Development  
Judy P. Lewis  
Fund Records Manager

## Ecological Research for the Long Term

Metta Winter

"At Hubbard Brook Experimental Forest, we measure just about everything you can think of," said Timothy J. Fahey, associate professor of natural resources. That's essential. So is continuing these measurements over a long period of time, if public policy makers are going to have the kind of reliable scientific information they need to take informed positions on issues like acid rain.

"Environmental policy decisions are too often made in a vacuum," Fahey said.

"In many cases the available scientific information is poor and politicians are forced to vote according to the whims of the public's perception of a problem. The only way to improve the situation is to carry out decade long research projects in a well instrumented place like Hubbard Brook."

A long-term commitment is necessary because there's a lot going on in a forest—all at the same time. This multiplicity of interdependent factors, some of which, like climate, vary from year to year, and the slow change in natural systems make studying forest ecology a complex business, one that requires decades of painstaking work. The typical research funding cycle of a couple years isn't sufficient to reach conclusive results. Fahey, an expert in forest ecology, was recently awarded a five-year, \$2-million grant from the National Science Foundation (NSF) to do Long-Term Ecological Research (LTER); he hopes it will be renewed for many years to come.

The fact that Hubbard Brook, a three mile by six mile stretch of U.S. Forest Service land in the White Mountains of New Hampshire, has already been studied for 25 years makes it an especially valuable site for the kind of work Fahey is doing. Take a straightforward question like why trees die. "There are many factors that may cause this," Fahey said. "Acid rain is only one. Others include air pollutants, natural pathogens such as pest and insects, old age, and so on. Because Hubbard Brook is so well measured and understood, we'll have a much better idea of why trees die than if we see them die in some other place."

Fahey and a team of seventeen scientists from eight institutions hope to discover the reasons for tree deaths as they observe how the forest changes over time. In addition, several studies funded by the current LTER grant focus specifically on how large-scale disturbances affect the relationships between the air, rain, soil, and water of the forest and the plants and animals who live there.

Tree harvesting, a big business in the

northeast these days, is one such disturbance. "At the end of the 19th century the area was cleared of forest, then abandoned. So now the trees are all 80 or 90 years old and there's money to be made from cutting them," Fahey said. Typically, so-called even-aged forests are harvested by a method called clearcutting, in which all the trees from a given area are removed at one time. Fahey's group is looking at the ecological implications of this common management practice.

Acid rain also is being observed by the group. So are the climatic changes predicted to occur in the next thirty years. One little understood aspect of the anticipated global warming trend is the extent to which the forest itself contributes to the phenomenon.

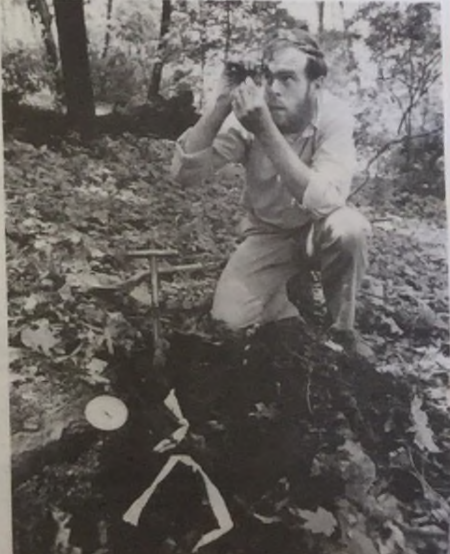
"It turns out that some of the atmospheric gases—nitrous oxide, methane, and some hydrocarbons—that are causing the temperature changes come not only from industrial sources, but are released by natural systems as well. So, from the long-term point of view, it's helpful to know how land use practices over huge areas will affect how much of these gases is released into the atmosphere."

Fahey is engaged in three other research projects at Hubbard Brook that come under the umbrella of LTER. One looks at what happens to soil fertility over time when trees are harvested by a clear-cutting method that removes not only the trunks of trees, but the branches, twigs, and bark as well. "A lot of the nutrients in a forest are held in the trees themselves. In traditional harvesting methods, only the trunk is taken, leaving the rest of the tree to be recycled into a new forest. We want to find out what happens when all that remains is the roots of the trees and the forest floor."

In a related project Fahey is investigating the role that the quick-growing pin cherry tree plays in conserving nutrients after a forest has been harvested by the whole tree method. In a third he takes a look at what happens to the soil when it becomes acidified, as it does by pollutants such as acid rain.

Fahey's co-principal investigator on the LTER project is research associate Jeffrey Hughes, who received a Ph.D. from the college in 1987. A number of former Cornellians are participating in the project, including Gene Likens from the Institute of Ecosystem Studies, as well as alumni Arthur Johnson '75 Ph.D., Jon Cole '82 Ph.D. (Arts), and Charles Driscoll '80 Ph.D. (Engineering). ■

Timothy Fahey heads a team of scientists seeking answers to question of why trees die.



# Animal Scientists Develop Leaner Meat

Metta Winter



It sounds too good to be true. A diet that's lower in fat yet still contains the foods we love, particularly meat. We can have our steak and eat it too, according to Donald H. Beermann, associate professor of animal science, if we put aside some prejudices of the past.

"Forty-five years ago pigs were much fatter," Beermann said. "Often half of the carcass was fat because the lard was needed for baking, cooking, and as an energy source. With the advent of vegetable shortening, swine breeders began to genetically select for animals with more meat and less fat. Today the fat content of the animal is half what it used to be."

The fat content of foods is published in the *USDA Nutritional Value of Foods, Handbook 8*. "Because *Handbook 8* was last revised in 1980, the information on pork composition, for example, has not been updated in 10 years. It doesn't reflect both the recent improvements in breeding or changes in management practices, especially the closer trimming of external fat from cuts of meat."

Beermann cites his own research data and those from surveys done at Iowa State University showing that the fat content of the lean portion of a broiled pork chop, is only 2.0 to 4.3 percent—less than half the listed 11 percent.

"This is well within the dietary guidelines set forth by both the American Heart Association and the National Academy of Sciences' Food and Nutrition Board. But consumers haven't been told this. People still believe fresh meats have far too much fat in them. It simply is not true."

Even though the picture is brighter than most of us think, Beermann said it can be even better. He's just completed four years of research on methods of raising meat animals that are dramatically leaner than the best of what's available today. These animals grow more quickly and eat less feed, which should mean lower prices in the supermarket.

The methods being studied use repartitioning agents—substances that actually alter the way an animal transforms the feed it eats into muscle and fat. The repartitioning agent most successful in swine is called somatotropin. However, somatotropin is a hormone, a word that when used in relation to food, conjures up negative associations in our minds.

"People have the perception that all hormones are bad hormones, that they taint the meat, making it somehow unhealthy." This idea stems primarily from two controversies of the 1960s and 70s. The first involved diethylstilbestrol, commonly known as DES. It was developed as a growth promoter in cattle, but it was also given in vastly larger doses directly to women for the therapeutic maintenance of pregnancy and to induce abortions in cases of rape and incest.

Later the drug was shown to be carcinogenic at high doses in rats and in those cases where it was administered as a medication—not by ingesting trace

amounts in meat. Federal legislation prohibits the use of any compound in food that is shown to cause cancer in laboratory animals, regardless of the size of the dose or the way it's taken into the body. Hence all uses of DES, including as a growth promoter in cattle, was banned.

Memories of the nitrite controversy—but not how it was ultimately resolved—also add to consumer concern about substances added to food. Nitrite is added to cured meats like hot dogs and bologna in the curing process to increase shelf life and to create a unique kind of meat product. Beermann maintains that the study that purported to show that nitrites caused cancer in laboratory animals was flawed. "It was full of inaccuracies and we know that the amount of nitrites used in cured meat today is not harmful."

Nevertheless, once a negative association has been made it is difficult to break. To allay concern Beermann points out some of the differences between somatotropin, DES, and nitrites. The first is that somatotropin is a naturally occurring peptide hormone secreted by all mammals (humans and animals alike) that is responsible for growth rate and regulation of metabolism. By contrast DES is an estrogen-like synthetic compound that does not naturally occur in the body. Nitrites are non-hormone food preservatives that are not administered to the animal directly.

"There is absolutely no potential for human health hazard from eating meat from any animals that have been given a naturally occurring peptide hormone like somatotropin. Somatotropin is completely digested in the stomach in the same way that muscle and vegetable proteins are."

In Beermann's research with swine the results were dramatic. By giving the animals more somatotropin than their own pituitary glands would normally secrete, they developed 23 to 25 percent more protein and 55 to 57 percent less fat at the same weight.

Another discovery from Beermann's work is that swine given somatotropin eat less while gaining weight at a faster rate. "An increase in average daily weight gain by 15 to 16 percent with as much as a 21 percent decrease in feed consumption improves overall efficiency of meat production by as much as 30 percent. This is the kind of efficiency we need to strive for to remain competitive in both national and international markets."

Research in repartitioning agents is headed by Associate Professor R. Dean Boyd, in collaboration with Beermann and Professor Dale E. Bauman, all of the Animal Science Department. Support for their work with swine is sponsored by AMGen Company. Similar studies on the repartitioning effects of somatotropin and its releasing factor, GRF, with sheep are sponsored by Pitman-Moore. ■



Alumni ALScapades '88  
and Department Reunions  
September 16-18

## "FOOD FOR THOUGHT"

### Registration Form

Event

Number  
Attending Total

#### Outstanding Alumni Awards Banquet

Friday, September 16

\$20 per person

\_\_\_\_\_ \$ \_\_\_\_\_

#### ALScapades '88

Saturday, September 17

(Costs listed below include all weekend activities except the Outstanding Alumni Awards Banquet and golf)

\$25 per ALS Alumni Association member and per spouse

\_\_\_\_\_ \$ \_\_\_\_\_

Membership expiration date \_\_\_\_\_

\$29 per ALS Alumni Association nonmember

\_\_\_\_\_ \$ \_\_\_\_\_

\$20 per member of the Classes of '84 - '88

\_\_\_\_\_ \$ \_\_\_\_\_

\$12 per child 12 years or under

\_\_\_\_\_ \$ \_\_\_\_\_

Season football ticket holders deduct \$7 from total cost

\_\_\_\_\_ \$ \_\_\_\_\_

#### Golf with Laing Kennedy '63

Sunday, September 18

\$16 per person

\_\_\_\_\_ \$ \_\_\_\_\_

**Total Cost** \$ \_\_\_\_\_

Please make your check payable to ALS Alumni Association and mail it with this form to:  
Alumni ALScapades '88  
Office of Alumni Affairs and Development  
College of Agriculture and Life Sciences  
242 Roberts Hall  
Cornell University  
Ithaca, NY 14853

Time conflicts require that you choose from the following partial list of activities for Saturday, September 17. Please make your selections below.

Number Attending

\_\_\_\_\_ Jog with the coaches, 7:30 a.m.

\_\_\_\_\_ Food Science Department Reunion, 10:15 a.m.

\_\_\_\_\_ Communication Department Reunion, 10:15 a.m.

\_\_\_\_\_ Animal Science Department Reunion, 10:15 a.m.

\_\_\_\_\_ Cornell vs. Princeton Football Game, 1:00 p.m.

\_\_\_\_\_ Heritage Garden and the Cornell Plantations Tour, 1:15 p.m.

\_\_\_\_\_ New Equestrian Center and Sheep "STAR" System tour, 1:15 p.m.

\_\_\_\_\_ Biotechnology Building tour; review developments in biotechnology field, 1:15 p.m.

Name tags will be prepared in advance. Please print names exactly as they are to appear on name tags.

Your Name \_\_\_\_\_ Class Year \_\_\_\_\_ Major \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ County \_\_\_\_\_

Telephone \_\_\_\_\_ Profession \_\_\_\_\_

Business Address \_\_\_\_\_ Phone \_\_\_\_\_

Your Guests

Name \_\_\_\_\_ Class Year \_\_\_\_\_

Name \_\_\_\_\_ Class Year \_\_\_\_\_

Name \_\_\_\_\_ Class Year \_\_\_\_\_

Name \_\_\_\_\_ Class Year \_\_\_\_\_

Tickets will not be mailed. They will be available for you at the registration desks. Please make reservations by September 9, 1988

You are responsible for your own accommodations. If you have questions about the weekend, contact the ALS Office of Alumni Affairs and Development at 607-255-7651.

## 1988 Outstanding Alumni Awards

George (Doc) '39 and Katherine (Kay) Abraham '43



Horticultural journalist; owner/operator of a landscape and florist business; authors of the "Green Thumb," a self-eroticated newspaper column appearing in 126 papers; authors of "Ask the Gardeners," newspaper column syndicated through *The Christian Science Monitor*; *Los Angeles Times*; wrote and appeared on weekly radio and TV gardening programs aired in Rochester, New York; wrote or contributed to 10 books on horticultural topics; winners of 10 national or international awards for garden journalism; advisers to Cornell Plantations and Master Gardeners program; members, ALS Leadership Team.

Gordon L. Conklin '49, M.S. '50



Editor, *American Agricultural Magazine*; influential voice in promoting agriculture and rural affairs in the Northeast; chair, New York State Agricultural Resources Commission; vice president, New York Forest Owners Association; director, American Agriculturist Foundation; member, Agricultural Advisory Council to the New York State Department of Environmental Conservation; involved in creating many new programs, including the Empire State Agricultural Leadership Institute; recipient of honors from Farm Credit Banks of Springfield, Ohio, and Council of Agricultural Organization; member, ALS Advisory Council.

Robert W. Bliz '52



President and general manager, Turkey Farm, entrepreneur in development of largest vertically integrated turkey operation in New York State; currently diversifying into commercial aquaculture; owner/operator, Plainville Farms Restaurant and Store in

Cicero, New York; president, New York State Turkey Growers Association; adviser to New York City Federal Reserve Board (representing agriculture); past president, Onondaga County Cooperative Extension Board; past president, ALS Alumni Association; currently Cornell University Trustee.

Robert L. Thompson '68



Dean of Agriculture since March 1987 and professor of agricultural economics since 1974; Purdue University; first recipient of Purdue's Agricultural Research Award for cumulative research contributions; Assistant Secretary for Economics, U.S. Department of Agriculture, 1985-87; senior staff economist, President's Council of Economic Advisors, 1983-85; member, Board on Agriculture, National Academy of Sciences, International Policy Council on Agriculture and Trade; the Dana and Edith Bennett Agriculture Roundtable; and the food and agriculture committee of the National Planning Association; studied in Denmark in junior year at Cornell and has worked or taught in Laos, Brazil, and Austria; foreign languages are a hobby; raised on a farm in Ogdensburg, N.Y.; outstanding speaker at ALS conferences.

## agriculture &amp; life sciences

Office of Alumni Affairs and Development  
242 Roberts Hall  
Cornell University  
Ithaca, New York 14853-5901  
Address Correction Requested

Dated Material  
August 1988

Nonprofit Org.  
U.S. Postage  
PAID  
Cornell  
University

## agriculture &amp; life sciences

news

New York State College of Agriculture and Life Sciences at Cornell University

August 1988



## "FOOD FOR THOUGHT"

## THE HIGHLIGHTS

- Keynote Speakers:  
Dr. Robert Gravani  
Associate Professor,  
Food Science
- Dr. David L. Call '54, Dean
- The unveiling of a new, dynamic food product named after a distinguished Cornell character at the After Game Party
- Cornell vs. Princeton Football
- Cornell Chicken B-B-Q
- Department Reunions
- Golf with Loring Kennedy, Director of Athletics, and members of the faculty
- Early morning jog with the coaches

Registration form on page 11

## Inside:

- Student Scholars Picked 3
- Pest Control Improves... 4
- Local Events Draw Alumni ..... 7
- Women Scientists ..... 9
- Confer.....