

# AGRICULTURE & LIFE SCIENCES NEWS

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

Spring 1992



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## INSECTS THAT PROTECT PLANTS

The college advances biological control, and an alumna applies the findings commercially. See page 1.

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## Biological Control Gets a Grip on Insects

**T**hink for a moment of your fingers, how they all work together yet depend on the thumb to get a sure grip.

So it is with the role that biological control plays in meeting a social and environmental imperative—that of creating a non-polluting, cost-effective means of managing agricultural and other pests.

Integrated Pest Management (IPM) works like a hand. The fingers are made up of a number of techniques: pest-resistant plant varieties, pest-averse growing techniques, pheromones, a judicious use of chemical pesticides, and the like. The system's opposable thumb is biological control—purposefully employing insects as natural enemies of undesirable organisms.

Biological control is essential to IPM for a very simple reason. "Why try to kill something twice?" says Maurice J. Tauber, professor of entomology. "Why waste time, energy, and money applying something artificial, i.e., a chemical pesticide, to do a job that could happen naturally and economically?"

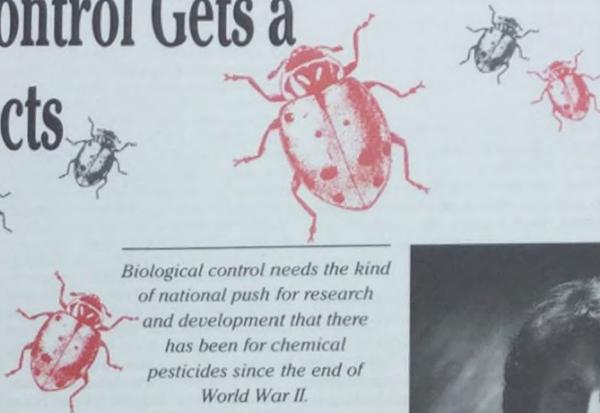
If biological pest control is this straightforward, why then isn't it more commonly used by commercial growers and home gardeners alike? Although a variety of biological control programs have been commercially successful, biological control has received minuscule national investment in resources relative to chemical pest control.

"We need to know as much about biological controls as we know about chemical control," Tauber says. And we don't, he points out, because while there is broad social acceptance of the idea of biological control, there hasn't been the same kind of national push for research and development in this area that there has been for chemical pesticides since the end of World War II.

"Today the concept of using biological control is part of the mainstream of environmental consciousness, like motherhood and apple pie," Tauber says. "People are receptive to the idea, but that's not enough. The nation has to put sustained effort into making this naturally occurring phenomenon function for society's benefit."

Does this mean that biological pest control is a more fragile, unreliable system or more inherently complex than using chemical pesticides? "Not at all," counters Catherine A. Tauber, a senior research associate who has collaborated with her husband in entomological research for more than 20 years.

"To many people, chemical control looks comparatively easy only because we've put an enormous amount of resources into learning how to use it," she says. To make her point she cites the decades of research that have gone into learning how to produce, distribute, store, and apply chemical pesticides. The same kind of knowledge is needed to make biological control commercially



*Biological control needs the kind of national push for research and development that there has been for chemical pesticides since the end of World War II.*



Cornell entomologists Maurice and Catherine Tauber (left photo) have twenty years of research collaboration, including work on beneficial bugs. One of their graduate students, Carol Glenister (above), has a thriving business based on such work.

successful against a broad range of pests; just scattering a few ladybugs around the garden won't take care of anything.

"Insect natural enemies don't just eat any kind of insect pest," Maurice Tauber hastens to say. "They're fastidious, they have preferences and dietary needs, so we have to learn which beneficial insects eat what pests, how many of them are needed to give optimum pest suppression, when they should be released, and how to rear, store, and distribute them to growers at the time the grower needs them."

This seems like an enormous undertaking, but it's really the same kind of process that has been taken for granted in other aspects of agriculture. "It took centuries of very conscious human effort to develop the cultural methods used in growing crops," Maurice Tauber notes. "With considerable investment from the public and private sectors, chemical pesticides were incorporated into agricultural practices within just a couple of generations. Given its environmental and social benefits, why don't we do the same thing for biological control?"

This college has made a solid start in undertaking both the basic biological and applied research that's called for. "The college has shown great foresight by increasingly investing resources in the area of biological control over the last 20 years," Maurice Tauber says, "but much remains to be done."

Research programs are going strong in the Ithaca and Geneva Experiment Stations, e.g., in the entomology and plant pathology departments. Among them is Maurice and Catherine Tauber's work with a variety of natural enemies, including green lacewings—natural predators of aphids, a common pest in vegetable, field, forage, and fruit crops.

"Now we must take advantage of what's already begun by continuing to increase the support of these programs," Tauber recommends. "Only then will society benefit from the investment, which has been made in moving toward cleaning up the environment in an economically, socially, and ecologically acceptable way."

## Birthing Bugs Is a Booming Business

EACH SPRING, BEFORE THE BARN flies get to buzzing, Carol Glenister's staff at IPM Laboratories Inc. makes ready a supply of small white paper bags. Into each bag will go two cups of parasitized fly pupae, each the size of a dash, nestled cozily in a packing of fresh wood shavings. Each bag will yield 10,000 parasitic wasp adults. Soon they'll be settled in some upstate New York dairy barn where their offspring will avidly devour young flies before they can mature into airborne adults.

Once a week for twenty weeks each summer Glenister's company—the only commercial insectary in the state—mails out these half-pound bags of live insects so that New York's dairy farmers can keep down their pest management costs (a bag of fly-eating wasps costs just \$16), while reducing their reliance on agri-chemicals. Businesses such as hers, as the name signifies, are the bedrock of commercial applications of Integrated Pest Management (IPM).

Tim Fessenden, one of Glenister's customers who was featured in a *Syracuse Herald American* article last December, found that releasing the parasitic wasps in his barn on a regular basis throughout the summer was so effective in controlling flies that he need not use any chemical pesticides at all.

Donald Rutz, an associate professor of veterinary entomology, observed in the article that Fessenden's experience wasn't unusual. If used properly, Rutz said, the wasps can be twice as effective and cost half as much as any chemical fly control agent.

It was faith in the commercial success of biological controls that prompted Glenister, with financial backing from her mother, to go into business in Locke, New York, a decade ago. "When I started I wanted to serve IPM in any way I could," recalls Glenister, MS '82. "At first we were called IPM Services and did field scouting and pest monitoring. In 1985, with help from Don Rutz, we began raising insects on our own."

And raise them she does, by the millions. Four species of so-called beneficials—two of fly parasites for fly control in livestock manure and two of mites that control thrips in greenhouses and nurseries—are reared to sell. She also raises three other species for research purposes or as food for the beneficials. At any one time there are a million house flies being fed and cared for, just to lay enough eggs to feed her growing stock of young parasitic wasps.

IPM Laboratories also distributes, through its mail order catalog, 12 other

## MESSAGE FROM THE DEAN



*"The problems we face today are increasingly complex and require collaboration between experts from many disciplines. Such interdisciplinary research will improve the flow of information between scientists, not just in the college, but from across the university and other institutions."*

Sometimes a tough situation can generate positive change. For three years now the College of Agriculture and Life Sciences has been forced to absorb continual cuts in state support. Next year will see even further reductions.

Adjusting to these cuts has demanded that we "downsize" the college. This reduction in scale has had its major effect on the number of faculty and support staff. We have been able to maintain student numbers, but our research and extension programs have suffered. In the process we've found that, just as industry can make itself leaner and more productive, so can we. Our theme for the future must be "smaller, but even better."

Accomplishing this requires some honest self-assessment. A comprehensive, college-wide, strategic planning process is underway to determine how we can best enhance the quality and relevancy of the college's educational programs over the next twenty years. For this important process we are involving the faculty and administration of the college along with input from our numerous advisory committees of informed citizens—those that depend on our programs. We are looking at the college's strengths, its limitations, and the trends that will affect it in the future.

This process will give us a new focus that will help us rethink and reorganize the college curriculum and its research and extension programs. It will also improve coordination between ALS and other Cornell colleges, divisions, and centers that share our goals.

We have identified six major program areas that will define the college's efforts for the coming years:

- Agricultural competitiveness and profitability
- Biological sciences and biotechnology
- Community and rural development
- Environmental science
- Food science and nutrition.
- International agriculture and development

These six areas will be emphasized in our teaching, research, and extension programs and will allow the college to continue as a leader in creating the knowledge and human resources needed to confront these issues.

We will continue the high priority given to undergraduate and graduate education. We will increase our efforts to nurture the interaction between instruction and research activities. Every day new technologies become available that can be used to enhance the quality of instruction, and in a number of cases our own faculty are developing the technologies. Our goal is to continually upgrade our capability, so our students may benefit. We continue to search out the finest educators for our faculty and sharpen their skills through additional training and the best support system we can afford.

The nature of our research will see changes. The problems we face today are increasingly complex and require collaboration between experts from many disciplines. Such interdisciplinary research will improve the flow of information between scientists not just in the college, but from across the university and other institutions. The results of their efforts will be used to create more effective extension programs and reach growing numbers of people both here and abroad.

Refocusing the college's goals is just part of our task. We must also recognize that the funding situation for the college continues to change. In the 1950s, we received more than 70 percent of our funding from New York State. Today that figure has shrunk to less than 40 percent. Although I hope we will always receive state funding, it is clear that our future depends on a combination of public and private support. This trend is not unique to our college but reflects a change in state and national policy. The students and their parents have also contributed to this trend by bearing the cost of increased tuition.

Over the past two decades the college has increased the emphasis on attracting external support. The faculty have done an outstanding job in attracting support from various state and federal agencies. At the same time, we have invested in our alumni and development efforts, and the response has been excellent. Only in this way have we been able to partially offset the major reductions in state support.

Now we find ourselves as full partners in the university's \$1.25 billion Capital Campaign. We have already raised \$70 million of our \$95 million goal. However, we still need to work hard to raise endowment gifts for professorships, graduate fellowships, and undergraduate scholarships.

We now have a network of more than 100 regional volunteers across the country informing alumni about the needs of the college and assisting with fund raising. Our own emeritus faculty members have contributed more than \$2 million to the campaign. Each department and unit has established a campaign committee and will be helping to raise private support for high-priority campaign goals.

I hope you will become a partner in the campaign to help endow the College of Agriculture and Life Sciences and strengthen the teaching, research, and extension efforts that mean so much to so many. We've drawn our plan for the future. With your help, we can carry it out.

David L. Call '54

## Update on the International Institute for Food, Agriculture, and Development

During the past year, the Cornell International Institute for Food, Agriculture and Development (CIIFAD) has developed collaborative, interdisciplinary programs with universities concerned with sustainable agricultural and rural development in three countries.

In the Dominican Republic, faculty and students at the Universidad Nacional Pedro Henriquez Ureña (UNPHU) have been working with Cornell counterparts to establish a regional sustainability strategy for the Los Haitises region. This is rapidly becoming deforested and is losing soil and biodiversity as population grows and fallow cycles with slash-and-burn cultivation are shortened. This region includes the main watershed for the major aquifer serving the Santo Domingo metropolitan area.

The CIIFAD-UNPHU group is embarking on a variety of surveys and studies to determine which farming systems and land use practices, as well as broader policies, incentives, and cultural influences, can reverse the environmental decline. Preserving a vulnerable core ecological area by promoting sustainable activities in and around it is a problem in many countries. CIIFAD and UNPHU expect to develop strategies and methodologies that can help protect other vulnerable areas while meeting human needs on a sustainable basis.

A \$1.4 million research training grant awarded by the National Science Foundation for the next five years will help Cornell and UNPHU give students in the natural resource management area a more interdisciplinary and practical, field-oriented training. The chair of UNPHU's Natural Resources Department, Hilton Cabral, recently spent five weeks at Cornell working on a conservation and sustainable development course and learning to train Dominicans in geographic information systems for monitoring and evaluating changes in natural resources.

In Zimbabwe, CIIFAD is collaborating with the University of Zimbabwe and the Horticultural Research Station at Marondera to help smallholders move from subsistence cultivation in the so-called "communal areas" to sustainable, beneficial cash production of fruits and vegetables once they are given access to

better land under a new land reform program. Horticulture, efficiently done, can produce more jobs and nutritional benefits per acre, but growing fruits and vegetables is complicated.

The University of Zimbabwe plans to establish a new horticulture department to work with other parts of the university and with the government's research and extension services. The transition for smallholders to commercial production will require varietal improvement, crop protection (integrated pest management), small-scale irrigation, post-harvest technologies, marketing, and new allocation of household resources, in which women have a particular stake.

The first UZ faculty member to use Cornell facilities has just completed a three-week stay at the State Experiment Station at Geneva. Mrs. Rufaro Madakadze, a lecturer in horticulture, worked with Prof. Anwar Khan on matriculation of seed. This technique for improving the percent and uniformity of seed germination could help small farmers enter commercial production more securely.

Prof. James Hicks of Cornell's Department of Fruit and Vegetable Sciences is spending a sabbatical semester in Zimbabwe at the Marondera research station studying post-harvest technologies used by small-scale and large horticulturalists. He is videotaping their post-harvest practices for teaching purposes in Zimbabwe and at Cornell. He was joined in March by Prof. James Bartsch (Agricultural Engineering) and Prof. Enrique Figueroa (Agricultural Economics) to offer two courses on post-harvest crop handling and marketing.

CIIFAD has been invited by the Ministry of Agriculture in Indonesia to work with it in an agricultural development. This collaboration was launched in January with a national seminar on "Sustainable Agricultural and Rural Development with Poverty Alleviation in Indonesia." The meeting was opened with speeches by the Ministers of Agriculture and of Planning. Research workshops produced a 12-point collaborative research agenda that will cover sectoral, spatial, and organizational issues for sustainable development.

Norman Uphoff, Director

Dean David L. Call has been named chairman of the National Nutrition Monitoring Advisory Council by President Bush. Call was named to a four-year term on the council, which will evaluate the scientific and technical quality of a ten-year plan in nutrition monitoring and provide guidance to the Secretary of Agriculture and the Secretary of Health and Human Services.

## Alumni Life Members Aid Scholarships

Earnings from the \$100,000 Endowed Life Memberships (established in 1985 by membership dues from the first 1,000 alumni to join the college Alumni Association as life members) are used, in part, for financial aid scholarships to four entering freshmen.

This year's recipients of the Alumni Association awards are

**Epsueholige L. Evans**, Iron River, Wisc., Animal Science

**Collin G. McCarthy**, Gansevoort, N. Y., General Agriculture

**Jeffrey T. Prout**, Clifton Park, N. Y., Plant Sciences

**Adam B. Unger**, Middleburgh, N. Y., Agricultural Economics

Awards ranging from \$750 to \$1,000 are made annually from the fund, depending upon earnings and needs of other college program support.

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## Birthing Bugs (Continued from page 1)

beneficial species, among them ladybugs and lacewings. Glenister plans to offer commercial growers an additional five beneficial species next year.

"I built the business by filling requests from growers," she says. "Catalog sales are now nationwide. But the fly parasites are marketed only in the Northeast and in Canada."

It's not just the bugs that Glenister offers her customers but personalized service as well. The section of her catalog describing the pest-eating virtues of ladybugs recommends that farmers consult with IPM Laboratories staff for specific release rates "as they vary with crop and time of year."

"Giving this kind of grower support in how to use beneficials takes a great deal of our time," says Glenister. "But without it our customers won't be as successful."

She also publishes a newsletter, edited by part-time employee Abby J. Seaman '80, MS '90, that features articles on pest species and their natural enemies written by leading researchers in the field of IPM. Glenister also speaks on the subject across the country. "It's our way of getting people in tune with the idea of using biological controls. They can only work within the IPM context so we promote IPM wherever we go."

Glenister admits there is a downside to committing her life's work to what is a new frontier. "It's like riding a roller coaster because the business is so seasonal," she says. "And everything about it is tricky. You don't know what the market will be, yet we have to have the

right number of beneficials ready just when our customers need them. If you introduce the beneficial to the pest a week or two too late, or in insufficient numbers, biological control won't work."

Glenister says she had always been motivated toward the out-of-doors, growing up taking walks with her parents and grandparents. She credits Rachel Carson with luring her toward the roller coaster life of the bug farmer. "I wrote a big paper on pesticides when I was 17 based largely on *Silent Spring*," she recalls. "That started my interest in pest control from an ecological standpoint."

She studied forestry at the state College of Environmental Science and Forestry at Syracuse University, then spent two years with the N.Y. State Department of Environmental Conservation doing forest pest surveys and gypsy moth control.

She came to Cornell for a master's degree in entomology where she studied with Maurice and Catherine Tauber and other biological control and pest management experts, then went into business on her own.

Now Glenister is co-owner of a second enterprise, Tucker Hill Farm, a beef operation where she lives with her husband and five-year-old daughter. It's just a few miles down the road from the site of IPM Laboratories Inc., housed in a 14-year-old, 8,000-square-foot building that bulges with bugs, all patiently awaiting their calling from the barns of New York State and beyond.

Metta Winter

## Computer Models Used to Study the Climate . . . Not the Weather

IN KERRY COOK'S LINE OF WORK, nothing is certain. Even the purview of her subject wouldn't be obvious to most of us. Cook uses computer models to study climate change, and what captivates her isn't if it rains or snows, is warm or cold, right here today, yesterday, or tomorrow. That's weather.

Cook's interest is in the big picture. She wants to understand the mechanisms that cause changes in the climate—the decade or longer averages of weather occurring in large geographical areas, say the size of continents.

"With the press attention given the greenhouse effect and the recently observed hole in the ozone level, society is demanding more and more information about climate change," Cook says. "Yet our scientific field isn't well enough developed to give any answers with perfect certainty. What we do is give our best guess then try to communicate clearly how much of a guess that really is. And that's tough."

Why is it that climate modelers are so unsure of what's happening in the atmosphere from one decade to the next? After all, it's not a new notion that burning coal would increase the carbon dioxide concentration in the atmosphere, hence possibly changing the climate. This idea dates from the late 1800s, Cook points out.

"There were very spirited debates in the early part of this century about how big the effects of this would be," she says. Nor is the problem that we know little about climate change over thousands of years. Quite a lot is known about about climatic differences since the Ice Age. And we know a lot about seasonal variations within a year, as well.

"But we know virtually nothing about the natural processes of how the climate changes on ten-year time scales," says Cook. "This is the big caveat, because it could be that what we're observing—that the warmest five years on record have all occurred during the decades of the '80s and '90s—could just be a result of natural variability. Then again it could be caused by the measurable increase in greenhouse gases. What we do know is that the atmosphere seems to be getting warmer. What we don't know is why."

Computer-generated mathematical models, though imperfect, are the only tool for finding the answer. And Cook is the only person at Cornell working with what is called the General Circulation Model—a three-dimensional model that is on the forefront of this infant science.

In studying climate, Cook's most immediate concern is that segment of the earth's atmosphere that extends only about six miles upward from the surface. In a way it's a bit of a comedown. As an undergraduate she set her sights mil-



lions of miles out into space, thinking she wanted to be an astronomer.

"When I was a sophomore, I knew I wanted to go into astronomy because I'd watched 'Star Trek' on TV and it seemed really interesting. I told my teachers and they said they'd put together a physics course for me since none was offered—if I could get 10 more girls to take it. I talked only one other person into it, but they brought in a new teacher and all the equipment anyway. The course must have been taught very well because I got 98 percent on the New York State Regents physics exam!" This opened the door to a career Cook says she loves because "it offers useful applications of math and physics to present-day problems."

Cook joined the Department of Soil, Crop, and Atmospheric Sciences last August after holding a research appointment for six years at the National Oceanic and Atmospheric Administration's Geophysical Fluid Dynamics Laboratory at Princeton. The drawing card was the chance to teach.

Over the next year Cook will design and introduce three new university-wide undergraduate courses: climate and climate change, tropical meteorology, and numerical modeling of the atmosphere. And she'll continue her research using computer models to understand the physics of what causes decade-long spells of drought, as is happening now in northern Africa.

"In terms of climate change, we are most vulnerable in the area of food production. Our agricultural systems are finely tuned for certain temperatures and levels of rainfall, so we are vulnerable to changes in temperature and water availability.

"There are many questions that must be answered before we can say for certain that the changes in climate we observe today are due not to nature but to human activity. That should keep me in business!"

Metta Winter

## Aplin and Sisler Honored by New Fellowships



Daniel G. Sisler

Richard D. Aplin

**TWO NEW ENDOWMENT FUNDS** honoring longtime agricultural economists Richard D. "Doc" Aplin and Daniel G. Sisler have recently been established by the college. Aplin and Sisler have a combined total of 64 years of teaching experience in the college and have served as mentors to thousands of ALS students.

The funds will be used initially to improve undergraduate teaching by supporting new graduate teaching fellowships. As the funds grow, they may be used to endow graduate fellowships, support lectureships, or perhaps ultimately, professorships.

"Doc and Dan have established standards for excellence in teaching that deserve lasting recognition," said ALS Assistant Dean William G. Boldt in announcing the new funds. "They are enormously popular with students and have received many teaching awards. Establishing funds that will be used to improve undergraduate teaching is certainly an appropriate way to acknowledge their contributions to the college."

Aplin received a B.S. degree from the University of Vermont in 1951 and M.S. and Ph.D. degrees from Cornell in 1952 and 1959. He joined the college faculty in 1959 and for many years has taught the department's large introductory management course. He also teaches the business policy course for senior majors.

Sisler joined the Cornell faculty in 1961 and is the Liberty Hyde Bailey Professor of Agricultural Economics. He received B.S. and M.S. degrees from Purdue Uni-

versity in 1956 and 1958 and a Ph.D. degree from Cornell in 1962. He has taught Introduction to Global Economic Issues, Research Methods in Agricultural Economics, and seminars on agricultural trade policy.

The idea for the funds was initiated by former students of the two professors. Cheryl Parks Francis '76, Michael J. Gerling '76, and John Patrick Mulcahy '66 have begun a project to contact Aplin's former teaching assistants and students.

"Professor Aplin not only taught me useful things," said Francis "He cared about me in a way that made a difference in my life." Mulcahy credits Aplin for "putting me on the right track. He encouraged me to be better than I thought I could be."

Many of Sisler's students have also expressed an interest in honoring their former teacher.

"Dan Sisler provided me with guidance and support," said David O. Marguleas '83. "He was a terrific friend to me and to other students." Jan Low, a graduate student currently working with Sisler, said, "He treats all those who work with him with an immense amount of respect, understanding, and positive reinforcement."

Assistant Dean Boldt said that establishing the funds during the Cornell Campaign would provide Aplin's and Sisler's former students with a particularly relevant gift opportunity.

"It's always nice to know what your gifts are being used for," he said. "Securing endowment gifts for teaching support is the largest part of our campaign goal. We hope that Doc and Dan's former students will see this as a good way to give to the college and honor their former teachers at the same time."

Gifts for either of the two funds may be sent to the ALS Development Office at 272 Roberts Hall. For more information, call Rebecca Smith, ALS Director of Development, at 607-255-7635.

Mike Powers

## Alpha Zeta Plans for Rebuilding



Brothers of Alpha Zeta fraternity plan their \$1.25 million campaign to rebuild the Cornell Alpha Zeta Chapter House. The campaign exceeded the \$800,000 mark at the April print date of the News. Left to right: Bob Perl '86 (back to camera), Maynard Vance '71, Kevin Malchoff '74, Charlie Collins '74, Jeff Hathorn '75, Leon Ryan '56, Dave Henke '70, Bruce Osadchey '61, Roger Grov '61. The group gathered at the Plainville Turkey Farm headquarters of campaign chairman Bob Blitz '52.

## Cooperative Extension Retirees at Their Annual Luncheon

Nearly 100 retired agents, specialists, staff and friends of Cornell Cooperative Extension gathered in Venice, Florida, in January. The speaker at the annual gathering was Gordon Conklin '49.



Mary Creal, Don Wickham '24, Florence Wickham, and Margaret Potter.



W. Dale Brown '39, William Cheney '50, Harold Carley '39, and Richard Reynolds '36



**Cornell  
Cooperative  
Extension**

*Helping You  
Put Knowledge  
to Work*



Leslie Lamb '36 and Don Wickham '24 seated. Margaret Lamb '36 and Robert Winger '42 standing.



Fred McLuskey '41, Joe Pendergast '38, Wally Washbon '35, and Marge Washbon.



Clockwise from lower left, Joan Sabin, Sam Sabin '78, featured speaker Gordon Conklin '49, Fio Davis, Larry Davis '57, Jesse Hannan '51, and Betsy Hannan.



Fio Davis '57, Larry Davis '57, Betty Gallamore, Bill Gallamore, Jack Adams '49, and Kenneth '35 and Bertha Coombs.

## Career-Related Assistance for ALS Alumni

**THE ALS CAREER DEVELOPMENT** Office has a long tradition of providing helpful services to graduates of the college. For years, alumni of all vintages have visited the office for career counseling appointments, job search strategy discussions, use of the career library and job files, help with resumes and cover letters, and, more recently, videotaped mock interviews. Those who find it difficult to visit the office subscribe to the monthly job bulletin, call for advice or request information sheets on resume writing, interviewing, government employment, etc. Alumni use of the Career Development Office reached an all-time high this past year. The two counselors, Bill Alberta and Amy Benedict Martin, recorded 260 individual meetings with alumni, a great increase from the previous year's total of 106!

### About the exciting new service

It's called "SUNY Search" and it's an electronic candidate referral service. ALS alumni complete a form that captures information on their qualifications and preferences. The form is returned to our office where the information is keypunched into our database. We can then search our database of candidates for any employer wishing to fill a position. Searches are performed on several key candidate criteria, e.g., degree, academic major, career interest, and geographic preference. Data sheets of the candidates who "match" the requested search criteria are quickly generated and forwarded to the employer.

### About some plans for the months ahead

As we continue to structure our services to better meet the needs of students and alumni we find that interactions between students and alumni can be extremely positive. ALS alumni enjoy talking with current students and are wonderful sources of career or employment infor-

mation for seniors and undergraduates. Alumni are very interested in connecting with other ALS alumni as they ponder career changes or conduct an active job search. Why not create a database to facilitate these connections? Working first in conjunction with Professors Ron Furry and Lou Albright in the Agricultural & Biological Engineering Department, we invited the 900 alumni on their mailing list to take part. About 70 have joined to date. Each completed a two-page sheet, profiling his or her career and each has volunteered to offer one or more of the following eight types of career-related assistance to students and alumni:

- Discuss their job/career by phone
- Discuss their job/career in person
- Host a tour of their workplace
- Provide job search advice by phone
- Provide job search advice in person
- Host or arrange a "shadow" visit
- Assist in arranging an interview at their organization
- Assist in arranging an interview in their field or community

We can search the database for both students and alumni to identify people

by career specialty, geographic location, and type of assistance they are willing to provide. The "admission price" for alumni who wish to use the network is their active participation. Each must agree to offer at least one type of assistance to fellow alumni and one to students.

We hope to include still more departments as this new service unfolds and proves to be valuable. We plan to experiment with Saturday hours starting in August of this year. Many students and alumni have asked us to consider this so we're going to give it a try. We anticipate a 12:00 noon to 5:00 timeframe.

We are proud of the breadth and quality of the career development services we offer our students and alumni - we have won five "excellence in programming" awards in the past ten years. By serving and actively involving our alumni, we will be able to expand the scope and value of our services still further. Contact our office for a list of alumni services and further information. We're in 177 Roberts Hall and our phone number is (607) 255-2215.

Bill Alberta  
Coordinator  
ALS Career Development Office



Some 40 alumni from six states returned to campus to discuss careers with nearly 500 students of the college. They explained their career choice during Career Conversations Day sponsored by the College's Career Development Office. Alumnus Phil Cirulli '78, statistician in quality assurance for IBM, Endicott, N.Y., talks with Jeff Schildkraud '93.



### A Symposium in Honor of R. H. Foote

August 12-13, 1992

#### "Reproduction in Farm Animals: Science, Application and Models"

Cornell University, Ithaca, NY

All former students and staff associated with Bob Foote's program over the years who are interested in further information should contact Dr. W.E. Berndtson, Department of Animal and Nutritional Sciences, Kendall Hall, University of New Hampshire, Durham, NH 03829.

### CORRECTIONS TO THE 1991 DONOR ROSTER

(Winter issue, ALS News)

Mark Bitz '85 should be listed as a donor to the college in the \$2,500 to \$4,999 category of the alumni gift section.

Mrs. Alberta Carter, wife of the late Julian M. Carter '37, was listed incorrectly in the friend gift section, \$2,500 to \$4,999 category.

We hope readers will notify us of other errors so we can correct them in this publication and in our records. We are sorry for incorrect or incomplete information.

## Wildlife Managers Help Keep Pesky Animals at Bay

Majestic though they may be, deer are getting pretty expensive to have around.

- In Westchester County, New York, homeowners spend more than \$9.5 million each year cleaning up and replacing ornamental plants damaged by these 150-pound herbivores.

- Motorists in New York State can expect to pay an average of \$1,000 in car repairs if they hit a deer; between 38,000 and 57,000 do so annually.

Some wildlife managers, such as Paul Curtis, extension associate in the Department of Natural Resources, believe there may be more deer in North America now than ever before. The increased numbers of these dignified, voracious diners is felt most acutely where suburbs meet rural areas.

"In parts of some cities in the Northeast United States, deer populations exceed more than 100 animals per square mile," Curtis says. "This is a much higher concentration than you'd find in rural areas, where 25 to 35 deer per square mile may be more typical."

In most communities it's deer that cause the greatest economic loss, but there are more than 20 other, so called nuisance species—from voles to coyotes—that Curtis and his colleagues in the Wildlife Damage Management Program help New York's homeowners, commercial growers, and extension specialists figure out how to deal with.

Gulls have become such a hazard to aircraft that this winter the U.S. Department of Agriculture took to gunning down 15,000 laughing gulls to protect the airspace over John F. Kennedy International Airport in New York City.

"Forty-five percent of the bird air strikes involving commercial planes are from gulls," Curtis says. "From 1976 to 1984, ring-billed gull breeding pairs in the Great Lakes increased from 281,000



to 647,000. Numbers of other gull species also have increased dramatically."

Raccoons, too, are on the rise. In the Ithaca area, there are 1,000 to 1,200 of these masked garbage can raiders. In the four months after the first rabid one was identified in Tompkins County last September, 17 more were found.

What's going on here? Why does the balance of people and wildlife seem so suddenly, drastically out of whack? "More and more people are moving into woods, near wetlands, and abandoned farmland where animals have lived all along," Curtis says. "Suburbs are being built adjacent to large parks and other high quality animal habitats. If you put homes in these areas you're likely to have problems with deer, rabbits—a whole host of wildlife species."

During the '60s and '70s hunting and trapping, the most cost-effective ways to control nuisance wildlife species, fell out of favor. In many parts of the country, local ordinances were enacted making the discharge of firearms illegal. "There are no natural predators that

control suburban deer populations," Curtis says. "Once you remove hunting, a primary deer mortality factor, the next one is the front bumper of a car."

### Society's values

The program that Curtis coordinates takes a two-pronged approach to developing effective and humane wildlife management strategies. First it looks at current societal values to determine the methods with which people can philosophically agree. This is done through citizen's task force panels set up in some of the 100 Department of Environmental Conservation (DEC) deer management units across the state and through surveys conducted by the human dimensions research arm of the program.

Fifteen citizen's panels that convened last year brought together sportsmen's

clubs and commercial growers for the first time with conservation organizations and neighborhood associations.

The surveys of homeowners, nursery producers, and landscape contractors have shown, that personal safety—deer-car collisions and the spread of Lyme disease—are of greater concern to the public than the loss of crops or ornamental plants. The surveys also show that people continue to accept hunting as a management tool. Seventy percent of home-owners surveyed say they favor regulated hunting to control deer.

"The DEC, which has the regulatory authority for deer management, realized that there are a lot of people in suburbia with a stake in management decisions, and the agency needed to involve these folks," Curtis says. Cornell Cooperative Extension staff facilitate in these potentially volatile meetings, where debate ensues over the virtues and costs of hunting, trap and transfer programs, sterilization, and even birth control.

On the research side, the program serves commercial growers and homeowners alike. One project investigates various ground cover manipulations to reduce vole damage in apple orchards. Designing less expensive and less obtrusive electric fencing for home gardening is another. A third is developing more effective deer repellents.

Pesticide restrictions and hunting ordinances vary across the country. Contact your local cooperative extension office or environmental conservation authority for more information on wildlife management strategies permissible in your community.

Metta Winter

## FACULTY NEWS

**Robert F. Becker**, extension specialist and associate professor of horticultural sciences, was honored twice at the 1992 N.Y. State Vegetable and Direct Marketing Conference. The first award honored him for chairing these statewide vegetable conferences for the past 25 years. The second, presented by the N.Y. State Cabbage Research Association, was given in appreciation for 33 years of service to the state's industry.

**G. David Blanpied**, professor of fruit and vegetable science, has won the Golden Apple Award from the Western New York Apple Growers and the N.Y. Cherry Growers Associations for his research in apple maturity and apple storage.

**Harlan B. Brumsted**, professor emeritus of natural resources, was one of two people named as the state's Conservationists of the Year by the N.Y. State Conservation Council Inc. and the N.Y. Power Authority. Brumsted, who joined the faculty in 1954, is a director of the American Wildlife Research Foundation and has worked closely with the state's Fish and Wildlife Management Board.

**Harlene R. Dillard**, associate professor of plant pathology at the Agricultural Experiment Station in Geneva, was awarded a special citation for extension faculty by the N.Y. State Association of County Agricultural Agents. She was honored for her partnership with agents on research and extension projects and for her accessibility and responsiveness to growers' and agents' needs. Dillard is a specialist in diseases of vegetables.

**Paul Eberts**, associate professor of rural sociology, won an Innovator Award from the N.Y. State Association of Counties for organizing the 15-year-old Social Trends and Outlook Conference, which provides a forum for academics and practitioners on child abuse, racism, welfare policy, and other topics.

**Dennis Gonsalves**, professor of plant pathology at the Agricultural Experiment Station in Geneva, was named a fellow of the American Phytopathological Soci-

ety. His research focuses on viruses that attack fruit and vegetable crops, and he is a recognized leader in controlling plant viruses using cross protection.

**David L. Grunes**, professor of soil, crop and atmospheric sciences, was named a senior research scientist for 1991 by the U.S. Department of Agriculture's Agricultural Research Service. The award recognizes Grunes as the top senior scientist in the ARS North Atlantic region, which includes 12 states. He was honored for his research on grass and wheat pasture tetany, a magnesium deficiency disease that occurs in cattle and sheep.

**Roger Pearson**, a professor of plant pathology, and research associate **David Gadoury** received the Lee Hutchins Award by the American Phytopathological Society for the best research on diseases of fruit crops. Pearson and Gadoury were honored for their pioneering work on powdery mildew, the most serious disease of grapes throughout the world's grape growing regions.

**Rosario Providenti**, professor emeritus of plant pathology at the Agricultural Experiment Station in Geneva, has been presented with the Meritorious Service Award by the Bean Improvement Cooperative, an association of bean researchers from 40 countries.

### FACULTY DEATHS

**John P. Watson**, a former fruit breeder at the Agricultural Experiment Station, Geneva, died recently after an extended illness. During his 37 years at the station, Watson helped introduce 17 varieties of grape, including Cayuga White, Einset Seedless, and Chardonel, and the Iroquois, Seneca, Oneida, and Mohawk varieties of plums. In 1988 a new raspberry introduced by the station was named in his honor.



Ron St. John '68 (right) during a recent visit by Dean David Cail.

It took 48 trips to move his entire dairy, but Ron St. John pulled it off without a hitch! "All the cows were fine," St. John says of the 1,300 holsteins he ferried from Batavia, New York, to Chiefland, Florida back in 1987.

St. John grew up on a farm in western New York that his dad, Ronald St. John '35, started in 1946. A year after graduating with a degree in agricultural economics, St. John, who had been an active member of Alpha Zeta, became a partner in the dairy. Eighteen years later he moved the business south.

"Quite frankly we were tired of fighting the elements—the snow and freezing weather," St. John says. "But the main reason was we thought being in north central Florida would give us an economic advantage over staying in the Northeast."

It would seem that it has. St. John and his New York partner established Levy County Dairy in Chiefland, then brought the herd up to 1,800 head during the next two years. At that point St. John found another partner and established a second dairy, thirteen miles away. Alliance Dairies now encompasses 1,200 acres and has a herd of 2,500 holsteins. St. John maintains a 50 percent interest in each business, but spends his time managing the operation at Alliance.

"Expanding is how I stay occupied," St. John says. "Building, expanding, to me that's fun!" But his current success depended on getting his original herd safely south. How, exactly, do you move 600 heifers and 700 cows overland 1,130 miles? Consider that each mature animal weighs about 1,500 pounds and produces about 18,000 pounds of milk a year. Thinking of that 25-hour trip brings all manner of images to mind to the farming disadvan-

taged. Roadside milking? Sunrise rendezvous with milk haulers along the route?

The maneuver was really quite simple, St. John maintains. First the heifers, who don't yet produce milk, were trucked down. Then it was all a matter of timing. "Seven months after a cow conceives, she goes dry for about two months. She eats, rests, and recharges before calving. So we moved them down during their dry period, 36 to 38 animals at a time."

The first of the herd became dry in April and were moved right away so they would have time to acclimate to their new surroundings. Then they had their calves and began producing milk again. So the cycle went from April through summer: shipping, settling the animals in, and then calving all summer long. By October the dairy was back up to full production.

"The most challenging thing down here has been getting the right systems in place to keep the cows cool during the hot, humid summer," St. John notes. "In the daytime we keep them in the barns with fans running and sprinkle them with water. At night they go out into the pasture."

St. John also changed crop growing practices. "We grow enough crops—40 percent of our forage needs—to utilize the manure from the dairy," he says. "Basically, we recycle nutrients from the dairy into corn, sorghum, and rye which we feed to the animals."

Making the necessary technical adaptations to a new climate—a winterless one, St. John cheerfully notes—was made much easier because of being a Cornellian. "There are four prominent former Cornell faculty now at the University of Florida who are in positions that have been very helpful to us in establishing the new farms," he says. "It's nice that where ever you go you always have some contacts."

Metta Winter

## 4-H Program Tempts Teens with Science Careers

FIVE YEARS AGO IT LOOKED LIKE A sixty-year-old campus tradition was about to bite the dust. Each summer since the 1930s the Cornell Cooperative Extension 4-H Youth Development Program had brought high school students to campus to spend three days learning what college life is all about.

By the mid-'80s touring a campus and living in the dorms was no longer the big deal it once was to many of the state's teenagers. Enrollment in the 4-H Congress dropped radically, and the program was about to close. It didn't, thanks to the ingenuity of faculty in the Department of Agricultural and Biological Engineering.

"We did a lot of soul searching about whether to just let it go, then decided to give the department's idea a try," says Glenn Applebee '73, program coordinator for Cornell Cooperative Extension administration. "Instead of general, college-wide tours, they suggested getting down to the core of a specific subject area by bringing young people right into the labs in Riley-Robb, giving them some hands-on experiences so they'd know what agricultural engineers really do."

This science-based, career-oriented approach was a hit among kids and faculty alike. Last summer nearly four hundred young New Yorkers locked to campus for what is now called the 4-H Focus for Teens Program. So many 14- to 18-year-olds applied that there had to be a waiting list.

Since the pilot program in Ag and Bio Engineering three years ago, ten more departments, from Space Sciences to Natural Resources, joined in offering hands-on laboratory experiments, lectures, and field trips to commercial sites where new scientific technologies are used. Six new departments, including Chemistry, Geology, and Physics, have signed on for this year. With this kind of diversity kids can choose to

- ◆ Build a telescope
- ◆ Transform colonies of bacteria into plasma DNA
- ◆ Process and preserve a food product
- ◆ Examine the radon-generating capabilities of rocks
- ◆ Propagate a plant in an artificial environment
- ◆ Use laser beams to make their own hologram
- ◆ Evaluate the weight, air permeability, flammability, and durability of fabrics used in flight
- ◆ Visit a local community organization to see how teen leadership skills can be applied to societal needs

Sound like fun? Past attendees think so. "You meet great people who teach interesting things in fun ways," one said. "No matter what program you do, you'll have a blast," commented another. "It's brain stimulation." "It lets you know what you're going to face in the future!" "I'm

### Cornell units participating in Focus for Teens in 1992:

Agricultural and Biological Engineering  
Astronomy  
Biotechnology  
Chemistry  
Consumer Economics and Housing  
Design and Environmental Analysis  
Food Science  
Geological Sciences  
Floriculture and Ornamental Horticulture  
Human Service Studies  
Natural Resources  
Physics  
Textiles and Apparel  
Veterinary Medicine

glad I went, and I'd come again next year," said others.

Many young people reported that they became more excited about science and the variety of science-based careers—the overall goal of the program. Since more girls than boys participate in 4-H activities statewide, it's an ideal way to boost the enthusiasm of young women, who, as a group, traditionally have not been encouraged to consider careers in science. There are plenty of role models for them among the women faculty who have strongly backed the program, as have women's professional organizations including the Society of Women Engineers.

On the afternoon of the last day everyone comes together to share what they've done. It's a notoriously rowdy and fun-filled gathering. Royal D. Colle, chair of the Department of Communication, went last year to see what Focus for Teens was all about.

"I was so impressed with the poise and dedication that young people developed through the program that I wanted to recruit some into the department," he says.

There's no denying what a fine recruitment opportunity this is for Cornell, says Applebee. "It opens an avenue of communication between the youth extension arm of the university (that's what 4-H really is) and the faculty. It creates an exciting awareness of each other that otherwise wouldn't be there."

And it brings to the fore for young people all of the different aspects of science inherent in the sponsoring colleges, the College of Agriculture and Life Sciences and the College of Human Ecology. "The 4-H Youth Development Program had all the resources it needed right here to meet the growing interest young people have in science head-on," says Applebee. "Sticking to the experiential approach is working."

Metta Winter

## Nearly 200 Charter Life Members "Buy Up" Memberships

Add nearly \$30,000 for alumni-sponsored programs

AS OF THE FIRST OF FEBRUARY, 191 of the 932 charter life members of the ALS Alumni Association responded to a single letter from leaders of the association to "buy up" their original \$100 membership to the present \$250 level.

The decision to provide this one-time offer to charter life members was made after two years of study by the alumni board. Each original \$100 membership was placed in an endowment fund (for \$100,000), whose proceeds are used solely for student scholarships and college programs. The new \$28,650 has

also been placed in an invested account, but the earnings can be used to conduct alumni programs and meet Alumni Association costs, including partial subsidy of ALS News, Outstanding Alumni banquets, and Dean/Alumni Get-Togethers.

Charter members may still buy up their memberships by mailing \$150 to the ALS Alumni Office, 265 Roberts Hall, Ithaca, NY 14853. Further contacts will not be made directly to charter members, as promised by the board at the time the offer was made.



## AND ALS ALUMNI ASSOCIATION ANNUAL MEETING



Louise Russell '26, celebrates her 65th reunion.

Their first return to Cornell in 50 years! Irving Drantch '41 and Lily Drantch enjoy the 1991 Cornell Reunion.



### Your Reunion Year?

The very popular ALS reunion breakfast is scheduled for **Saturday, June 6, 1992**. We hope you will join us for breakfast at the Sheraton Inn, located on north Triphammer Road and Route 13.

Breakfast starts at 7:30 a.m. (doors open at 7:00) and will be followed by a program featuring Dean David Call '54 with an update on your college.

The recognition of retiring faculty and

the ALS Alumni Associations' annual report are also on the agenda.

The program will conclude by 9:00 a.m., allowing you plenty of time to socialize with friends and return to campus for the rest of the day's activities.

**Register separately for this event.** It's not part of your reunion registration package.

### ALS ALUMNI REUNION BREAKFAST

## RESERVATION FORM

June 6, 1992  
Sheraton Inn  
Triphammer Road and Route 13  
Space is Limited

Reservations are recorded on a first-come, first served basis. Please note that your reservation is not complete until the breakfast fee is paid.

Reservations should be made no later than Monday, June 1, 1992.

\*Confirmations will not be mailed. There will be a name tag for each registered guest upon arrival at breakfast.

\$14.50 per person (\$13.50 if member of the ALS Alumni Association)

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

Name \_\_\_\_\_ (please print)

Class Year \_\_\_\_\_ Major \_\_\_\_\_

Address \_\_\_\_\_

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

Telephone \_\_\_\_\_

Is this your 25th reunion?  Your 50th reunion?   
(please check)

Guests \_\_\_\_\_ Class \_\_\_\_\_

\_\_\_\_\_ Class \_\_\_\_\_

\_\_\_\_\_ Class \_\_\_\_\_

Number of Reservations \_\_\_\_\_ Total Amount Enclosed \$ \_\_\_\_\_

Please make your check payable to the ALS Alumni Association or pay with VISA/MC

VISA  MasterCard Expiration Date \_\_\_\_\_

Account # \_\_\_\_\_

Signature of Cardholder \_\_\_\_\_

Mail to:  
ALS Alumni Association, 265 Roberts Hall, Cornell University, Ithaca, NY 14853  
by June 1, 1992.

# AGRICULTURE & LIFE SCIENCES ALUMNI ASSOCIATION

## 1991 MEMBER ROSTER

### A MESSAGE FROM THE PRESIDENT

The excitement and enthusiasm generated at our Alumni Association-sponsored events across the country and at board of directors meetings reflect the best for our college, our alumni, and Cornell. It is certainly a thrill to be your president.

Nearly 6,200 alumni were members of our College Alumni Association in 1991. Programs sponsored by the Alumni Association for alumni in regions and districts have increased significantly, with the Leadership Training Conference at Cornell in March and the Dean/Alumni Get-Together in San Francisco (as a part of Cornell's 125th anniversary celebration) being two highlights of our year.

Alumni Leadership Teams strategically stationed across the country are responsible for local ALS Alumni programs, membership, and leadership. We are recognizing each of them on page 15.

If your name isn't listed below, there is no better time for you to become a member of the College of Agriculture and Life Sciences Alumni Association. Our board is committed to helping alumni stay in touch with the college, Cornell, classmates and faculty — for the reasons listed on the next page. For your convenience, a membership coupon appears on page 9.

*Marian K. Rippey*



Marian K. Rippey '79  
President

#### ALABAMA

- Albion
- Alton, Mark H. '90
- Mullen, Gary R. GR
- Mullin, Jacqueline Kopey GR
- Nasham, Kenneth E. '72
- Wiant, David B. '87
- Birmingham
- Doster, Thomas E. IV '91
- Huntsville
- Whitlock, Gerald C. GR
- Lafayette
- Beuch, Charles D. '51
- Tombigbee
- Wiegans, Mary Irish '77
- Wetumpka
- Corcoran, Margaret Markey '80

#### ALASKA

- Anchorage
- Briggs, Roland C. '37
- Galt, Robert L. '91
- O'Rourke, Thomas C. GR
- Condon
- Coon, Claudia E. '90
- Fairbanks
- Burginal, Roger C. '85
- Dodge, Nancy H. Jr. GR
- Harvey, Judith B. '66
- Homer
- Cherney, William H. '50
- Palmer
- Leiner, Roseann Harke '81
- Washtow, Mary Redder '41

#### ARIZONA

- Flagstaff
- Hammison, Donald W. '39
- Peoria
- Holt, Edward E. '71
- Quartzsite
- Ferrer, Steve M. GR
- Sedona
- Finkelstein, Nancy Riccardi '82
- San City
- Foot, Norman H. '32
- Fordham, Stephen C. Jr. '38
- Robinson, Robert M. '38
- Tempe
- Smith, Harold C. '38
- Tucson
- Dawson, Steven J. '87
- Daugherty, Lewis S. '52
- Helm, Ingeborg Bruner
- Wilson, Margaret A. '82
- Schwer, Gail M. '37
- Schweizer, Jennifer Patal '63
- Smith, Donald J. '90
- Scott, Sylvia B. '90

#### ARKANSAS

- Conway
- Thomas, Alexandra Murray '89
- Hot Springs
- Healy, Harry E. '48
- Hot Springs
- Gray, Deborah K. '52
- Morrison
- Tammam, James A. GR

#### CALIFORNIA

- Agoura
- Alhambra, Brendan M. '90
- Los Angeles
- Lucy, Ruby '77
- Hayward
- Song, Stanley K. '90
- Anaheim
- Frederick, Jay P. '78
- Los Angeles
- Apex
- Wallace, Douglas R. '91
- Alhambra
- Blaskoff, Peter R. GR
- Ardenwood
- Bernard, Joyce Scheg '84
- Alhambra
- Cocoma, Robert A. GR
- Masters, Arthur E. '43
- Taylor, Isabel Lawrence '37
- Zaslavsky, Marko '50
- Zeller, Robert K. '48
- Berkeley
- Batalay, Amrajat '87
- Pines, Ariel L. GR
- Beverly Hills
- Deakin, Irving '61
- Junger, J. Square '71
- Brassey
- Chi, Chang-Chi GR
- Burbank
- Adams, Catherine A. '86
- Compton
- Books, Ruth A. '26
- Evans, Gordon E. '68
- Johnson, Loretta H. GR
- Jacobson, Stuart N. GR
- Carlsbad
- Bradley, Benjamin O. '34
- Cooling, Kenneth F. '21
- Cox, Judith Reamer '61
- Selling, Hal D. '62
- Chandler
- Johnson, Christopher J. '90
- Chico Vista
- Gonzales, Jerry S. '51
- Chico
- Kawahara, Steven S. '32
- Chico
- Marriott, Barbara Schultz '72
- Castroville
- Maloney, Robert P. '89
- Colton
- Casper, Arthur D. '88
- Corona
- Spencer, Bernard W. '47
- Corona Del Mar
- Kawshier, John '37
- Costa
- Lipkari, Mark A. '89
- Corona
- Goldsman, Devon R. '59
- Covina
- Falact, Robert L. '51
- Daly City
- Maguire, Thomas A. '86
- Danville
- Brewer, Jacqueline Provost '73
- Schaeffer, George A. GR
- Kennan, James E. '61
- Davis
- Scottburgh, Janis L. '84
- De Frazz, Anthony F. '90
- Fisher, Mark E. '89
- Hudson, Kris R. '89
- Kayser, James Knapp '90
- Lahar, Robert C. '42
- Morano, Debbie L. '91
- Rubinsky, Vincent E. '56
- Scott, Eric F. '93
- Del Mar
- Brouse, Dorothy K. '88
- Excelsior
- Enlow, Wendy F. '77

#### ECUADOR

- Lima, Michele C. '89

#### FOLIO

- Blair, James F. Jr. '47
- Zito, Scott R. '91

#### FLORIDA

- Alachua
- Ann-Loe Post '87
- North
- Brace, Richard D. '77
- Alachua
- Washburn, Paul L. X. B. '89
- Kissimmee
- Wynn, Mark J. '89
- St. Johns
- Smith, Allyn D. '60
- Alachua
- Wagner, Marvin R. '65
- Alachua
- Reynolds, Robert S. '81
- Alachua
- Adler, Judith L. '71
- Baker, Carl G. '62
- Cramer, Richard L. Jr. '89
- Verona
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- Cal Street '38
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- Kirkich, Nancy R. '72
- Wynn, Charles '89
- Mayer, Rosana D. '91
- Schreiner, Morris 44
- Urrutia, David '80
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Perry  
Drake, Sylvia Walters GR  
Sinou Falls  
Mellay, Richard A. '88  
Spartan  
Kara, Franklin P. '36

**TENNESSEE**

Bluff City  
John, Angela K. '88  
Clarksville  
Twining, Michael P. '90  
Cullman  
Jones, Lynn A. '66  
DeKalb  
Holmes, Frank F. '38  
Jackson  
Garciga, Clayton E. '47  
Johnson City  
Allen, Charles R. GR  
Knoxville  
Malachuk, Kenneth J. '80  
Robbins, Kelly R. '75  
Wintday, Robert F. '37  
Memphis  
Haak, John A. Jr. '80  
Scott, Thomas P. '78

Nashville  
Gentry, Laura L. '79  
Metzger, Howard M. '80  
Signal Mountain  
Dickerson, Lucian A. '39  
Spartan  
Ruffin, Kenneth W. Jr. '90

**TEXAS**

Arlington  
Yanoff, Susan R. '77  
Austin  
Metz, Jennifer '90  
Schmidt, Brian J. '86  
Brenham  
Dunbar, Joan Otto '53  
Beville  
Tayman, David F. '83  
Byron  
Carlow, Tami A. '89  
Garfield, Jeanne M. '30  
College Station  
Arly, Timothy S. '83  
Merces, Phoebe Laidl '81  
Caldwell  
Stinson, Eugene L. Jr. GR

Delton  
Cagliano, Melissa A. '89  
Gentry, Frankie Colpepper '30  
Knox, Roger J. '78  
Law, Jane L. '83  
Miller, Mark T. '89  
Rubin, Gerald J. '49  
Rudin, Leah Pinky '45  
Schmid, Karl F. '31  
Tucci, James A. MD '83  
Yale, Ann Harbelle '31

El Paso  
Reber, Charles E. '39  
Evan  
Spauler, James M. '86  
Galena  
Guthrie, Newton C. Jr. '83  
Galveston  
Burrill, Laura J. '26  
Garland  
Steele, Larry D. '89  
Cosgrove  
Gruani, Fabio G. '81  
Houston  
Ailing, Nelly Hawkins '89  
Epstein, Lisa M. '91  
Flores, Patricia A. '90  
Kaplan, Heidi B. GR  
Lambert, Suzanne M. '91  
Makany, Robert M. '83  
Martinez, Jeffrey L. '88  
Scrivener, John C. GR

Irving  
Anasch, Monica Y. '91  
Knox  
Dawick, Mark J. '90  
La Porte  
Kilday, Storm E. '77  
Lubbock  
Clawson, Laura Mastiche '86  
Graves, James W. '52  
McAllen  
Calkin, Maria '84  
McAllen  
Schuster, Frank J. '75  
Odessa  
Harrison, Frances Young '48  
Pismo  
Lipson, Stephen J. '77  
Mason, Richard S. '84  
Richardson  
Herbert, Diana Morjica '56  
McCabe, Stanley B. GR  
San Angelo  
Fugere, Kara Galileo '90  
San Antonio  
Beaman, Barton D. '78  
MacNaughton, Robert L. '82  
Martin, David H. '30  
Reynolds, Alice K. '80  
Spring  
Beckel, Donald A. '41  
Waco  
Jainathan, Jay J. '89

**UTAH**

Zions  
Capener, Harold R. GR  
Midvale  
Heslop, Henry D. '74  
Ogden  
Gibson, George H. '54  
Knapp, Merrill N. '35  
Prew  
Page, Steve H. '88  
Salt Lake City  
Byrne, Janice Barz '73  
Moe, Edward O. GR  
Roughead, Carol Schartz '55  
Segal, David J. '80  
Yanowitz, Betty Bernan '83

**VERMONT**

Burlington  
Gibson, David Jr. '50  
Burlington  
Ma, Maurice E. '50  
Burlington  
Faxon, David A. '89  
McGarry, Amy E. '91  
Saunders, Carol A. '91  
Smith, Jeffrey W. '91  
Cavendish  
Fink, George C. '36  
Champlain  
Lawrence, James M. '89  
Chelsea  
Aulderson, Ben L. '35  
Dorset  
Duffy, Lisa  
Boschman, Donald M. '87  
Essex Junction  
Pattel, Leah Pinder '80  
Raymond, Donna Yavencov '83  
Fairlee  
Schuster, Lydia C. '89  
Essex Junction  
Fisher, Donald M. Jr. '54  
Milton  
Herrera, Jeffrey M. '80  
Mangrove  
De Graft, Nancy A. '91  
Randolph  
Rutman, Daniel A. '89  
Rupert  
Cipowski, Eugene C. '38

Rutland  
Gale, David L. '86  
Salisbury  
Morrison, Kevin A. '76  
Shelburne  
Fulmer, Gerald R. '53  
Schmidt, Frederick E. GR  
South Royalton  
Ceprowski, Susan M. '88  
South Royalton  
Dorner, Connor Breiling '89  
Springfield  
Boris, Barbara Schultz '75  
Lafayette  
Kurtz, Elizabeth E. '22  
Rutland  
Forrest B. '80  
Wood, Elizabeth P. '91  
Waitsfield  
Schloman, Joan Weisberg '47  
Weymouth  
Faxon, Robert J. '54  
White River Junction  
McClary, Thomas W. '78  
Trompkins, Heidi A. '89  
Whiting  
King, Andrea L. '80

**VIRGINIA**

Alexandria  
Blair, Martin E. '36  
David, William A. '78  
Ferguson, Donald S. '59  
Fidelity, Lisa E. '85  
Hesterline, John F. '77  
Heronwood, Deborah M. '91  
Leah, Beth A. '91  
Macomber, Alvin Z. '51  
Martins, Mitty R. '89  
Newell, William F. '67  
North, Karin L. '80  
Galebrook, Frances H. '50  
Purcell, Todd A. '90  
Rosen, Beth A. '90  
Sheedy, John E. '85  
Steen, Walter August '43  
Stone, Richard A. '86  
Winchester, David B. '86  
Arlington  
Abel, Lawrence J. '84  
Fisher, Laura A. '86  
Grasberger, Frank M. '51  
Arlington  
Lewing, Samuel R. '30  
Arlington  
Brettsch, Frank A. '53  
Cady, Foster B. '53  
Culpeper, John H. '42  
Culpeper, Joseph F. '81  
Dobson, Joseph D. '87  
Good, Ellen C. '89  
Greene, Pamela A. '86  
Gruber, Paul J. '50  
Hanson, Loretta Pevsman '76  
Hanson, Jacquelyn Barrow '87  
Hanson, Matthew P. '80  
King, Jeffrey A. '90  
Lanostagne, Jeffrey J. '91  
Lynchburg  
Scottfield, William H. '30  
Silver, Beth '79  
Stark, Courtney A. '91  
Storn, Carlos D. GR  
White, Christine GR  
Zatovall, Richard C. '73  
Buckingham  
Baker, Jeanette Reynolds '89  
Boyd, R. P. '30  
Crawley, John R. GR  
Frame, Ann Willis GR  
Newton, George W. '71  
Schweizer, Amelia L. '91  
Sydor, William J. GR  
Lynchburg  
Barrett, Harold T. '55  
Charlottesville  
Chaker, Jonathan L. '86  
Crawley, Jeffrey W. '89  
Kidd, James T. '55  
Ray, Peter '88  
Reinold, Moira S. '89  
Culpeper  
Pfecher, Kenneth W. '72  
Daniels  
Burdick, Wendy A. '80  
Ferdinand  
Buttrick, David D. GR  
Benn, Jordan Robbins '89  
Benn, Rory G. '91  
Durr, Derf. J. '51  
Griffith, Mark A. '91  
Lambert, Thomas J. '67  
Smith, Alexander C. '90  
Falls Church  
Kraus, Mildred Morton GR  
Passe, Jonathan B. '80  
Stafford, Thomas H. GR  
Wheat, Harold '72  
Friedensberg  
Vette, Andre M.  
Hodges, William L. '52  
Fredericksburg  
Tron, Stanley J. '54  
Great Falls  
Scott, Hope Taylor '81  
Hampton  
Wade, Roger A. '90  
Harrisonburg  
Swallow, Elizabeth Fink '66  
Lexington  
Smith, Naomi Leith '53  
Lynchburg  
Huckins, Charles A. GR  
Lynchburg  
Scheindel, Herman R. Jr. '54  
Manassas  
Mankin, Scott  
Faulkner, Donald M. Jr. '56  
Mc Gaberston  
Goodrich, Margery  
Townsend '41  
Mechanicville  
Pansullo, Lisa A. '88  
Middleburg  
Stone, Mead W. Jr. '43  
Middleburg  
DeJoy, Frederick W. '80  
Greivic, W. Duke '65  
Norfolk  
Church, Kristi D. '91  
Pittsington Gap  
Cain, Paul S. '53  
Roanoke  
Reese, Gary E. '67  
Cordaro, John B. GR  
Forest, Bradley D. '82  
Peebles, Nancy S. GR  
Richmond  
Katal, William J. '89  
Friedberg, Laura J. '89  
O'Connell, Timothy J. '89  
O'Connell, Tracy Deane '89  
Thibodeau, Deborah L. '90  
Roanoke  
Mates, Anthony C. '38  
Fryingpan Glen  
Ahrend, Charles Walter '51  
Stauning  
Sherer, Steeven G. '53  
Scribble  
O'Connor, Thomas J. '50  
Schneberg, Gerald D. '69  
Taylour, Samuel V. '91  
Vermont  
Cary, David W. '86  
Fox, Kristin E. '91  
Harrier, Lloyd S. GR  
Virginia Beach  
Allen, James W. Jr. '89  
Carpenter, Lisa J. '89  
Craw, Donald S. Jr. '89  
Kendall, John H. '86  
Hammonton  
Island Ferry, Rebecca L. '87  
Pruy, Jeffrey A. '89  
Robbison, Gregory A. '79  
Ross, Margaret J. '90

Windsor  
Blower, Maxton G. '78  
Horn, William G. '53  
Windsor  
Hickley, David J. '89  
Orange  
Dyler, Edward J. '87  
Seymour  
Roa, Lorraine M. '88  
Windsor  
Deans, Robert J. '89

**WASHINGTON**

Auburn  
Metsham, Lawrence A. '62  
Bellevue  
Rothschild, Harvey J. III '43  
Bellevue  
Hogan, William '55  
Brewster  
Crane, Francis G. '38  
Everett  
Mrozic, R. E. '82  
Friday Harbor  
Waldron, Robert E. '68  
Kamiah  
Markham, Edwin W. '42  
La Conner  
Hesslich, Elizabeth Knouff GR  
Lynnwood  
Ellis, Clifford C. '76  
Olympia  
Allen-Crawford, John C. GR  
Kaiser, Tanya L. '89  
Lehr, Tanya M. '91  
Omak  
Hanks, Richard L. '55  
Preston  
Ophardt, David R. '73  
Palmer  
Hiller, Larry R. GR  
Kamiah  
Lehr, Tanya L. '89  
Purcell, Tompa J. '80  
Paget, Albert J. '47  
Renton  
Crispan, Charles R. Jr. '71  
Seattle  
Beck, Nancy B. '86  
Burk, Jonathan K. '89  
Forschmidt, Rachmiel '25  
Hill, Andrew G. GR  
Knap, Tanya L. '89  
Lynn, Madeline S. '81  
O'Hara, Timothy S. '81  
Patterson, Nicole R. '77  
Procyon, Jan E. '76  
Schub, Melissa H. '91  
Silver, Margaret B. '73  
Wilson, Tanya E. '89  
Spokane  
Allen, Alexander GR  
Kraus, Hans A. '90  
Kury, Max L. D. '89  
Staudenik, Daniel P. '71  
Tacoma  
Dobersch, Jennifer L. '86  
Linderoth  
Hattery, Suzanne Bole '83  
Woodinville  
McCormack, Dvirde A. '88  
London  
Bassett, Victor J. '45  
Blomson, John M. Jr. '55  
Elliot, Harry M. '84

**WEST VIRGINIA**

Berkeley Springs  
Hruska, Svetlana J. '80  
Caldwell  
Polan, Robert J. '75  
Huntington  
Madden, David S. '80  
Morgantown  
Maxwell, Robert H. GR  
Smith, Guy K. '83  
Oberlin  
Karchner, Allison Gay '79

**WISCONSIN**

Berlin  
Rothenthal, Barbara L. '77  
DeLavan  
Verweywood, James J. '82  
Eden  
Hofstad, Linda Keene '77  
Fond Du Lac  
Burrill, Stephen G. '36  
Janesville  
Erikson, Douglas G. '89  
Lake Mills  
Walston  
Malden  
Arnold, Stephen L. GR  
Battina, William J. '71  
Campbell, Bettee Grambow '84  
Goodman, Robert M. '52  
Lynch, Jennifer A. '91  
Mendall, Paul E. '89  
Price, Jesse L. '53  
Rose, Scott A. '90  
Burlington  
Scherr, Erica M. '89  
Trott, Elizabeth S. '87  
Waltz, Barbara E. '81  
Menomonie  
Strigel, Michael J. '90  
Milwaukee  
Cayer, John L. '86  
Chen, Shao Lin GR  
Dierker, Carl H. '55  
Riesley, Chad R. '90  
Schilling, Angela K. '90

Tallman, Michael L. '90  
New Berlin  
Nelson, Catherine Ryan '54  
Dyler, Edward J. '87  
Ogden  
Dyler, Edward J. '87  
Seymour  
Roa, Lorraine M. '88  
Windsor  
Deans, Robert J. '89

**WYOMING**

Lander  
Pekery, Mark R. '87  
Laramie  
Kercher, Conrad J. GR

**INTERNATIONAL**

Australia  
Denton  
Ellis, Robert A. GR  
Minneapolis  
Duncan, Allison B. '80  
Brisbane  
Morrison, Maria Mayer GR  
Tampa  
Tringoli, Ime GR  
Bolivia  
La Paz  
Harris, Carlos E. '90  
Kemp, Fitz Campion, Brendan J. '89  
Santa Cruz  
Vincitore, Jose E. '91

**BRAZIL**

Saltwater  
Sousa, Jose R. '84

**CANADA**

Antigonish  
MacKay, Leona GR  
Brookbridge  
Andison, Trent L. '91  
London  
Kraus, Hans A. '90  
London  
Kraus, Hans A. '90  
O'Brien, Jennifer Louise '87  
Cambridge  
Thompson, Kimberley M. '89  
Guelph  
Wood, Peter W. GR  
Dunsmuir  
Rheasler, Tommie R. '89  
Dorval  
Perron, Cassile A. '57  
Fonthill  
Smylie, Michael J. '91  
Grimby  
Cumming, George W. '51  
Guelph  
Gorey, Donald G. GR  
Schaefer, Trevor R. GR  
Steele, Lawrence F. GR  
Stene, Bruce GR  
Hamilton  
Ward, Tracy J. '87  
Kamath  
Grenier, Chris J. '89  
Kitchener  
Bradley, Darryl H. '85  
London  
Ellert, Francis Payne Jr. '72  
Monrovia  
Merrison, Allen Easton '60  
Daham  
Lynn, Ross '90  
Ottawa  
Malins, T. Howard '85  
Puking  
Hollingsworth, Anne Healey '87  
Quebec  
Jesse, Casey P. '90  
Merrier, Ernest GR  
Scarborough  
Harris-Chen, Hayschal GR  
Sherwood Park  
Bowman, Austin L. GR  
Leveing, James H. GR  
St. Catharines  
Boze, Stephen J. '87  
St. John  
Frankly, Bruce A. '91  
Toronto  
Barrett, Michael R. '71  
Trent  
Ankima, William A. GR  
Victoria  
Moh, Gary H. '68  
Wood Vancouver  
Inami, Hans '89  
Winnipeg  
Townsend, James S. GR

**COLUMBIA**

Bogota  
Anita, Heracio J. GR  
George, Philip J. '84  
Guatemala  
Lujan-Claure, Laura GR  
Moreno, Claudia GR  
Cali  
Lapointe, Stephen L. '75

**COSTA RICA**

San Jose  
Rivas, Carlos M. '82  
Turkey  
Galland-Lago, Jose J. GR  
Kauai  
Leon-Ovillano, Juan B. GR

**ECUADOR**

Guayaquil  
Abian, Guillermo P. '91  
Quito  
Leon-Ovillano, Juan B. GR

**ENGLAND**

Brighton  
Longbottom, Richard W. GR  
London  
Kilbery, Thomas M. '72  
Sunder, Linda A. '88

**AUSTRALIA**

Denton  
Ellis, Robert A. GR  
Minneapolis  
Duncan, Allison B. '80  
Brisbane  
Morrison, Maria Mayer GR  
Tampa  
Tringoli, Ime GR

**BOLIVIA**

La Paz  
Harris, Carlos E. '90  
Kemp, Fitz Campion, Brendan J. '89  
Santa Cruz  
Vincitore, Jose E. '91

**HONG KONG**

Chungking  
Cheung, Catherine Wang '79  
Wan Chai  
Whiting, Gordon J. '87

**INDIA**

Andhra Pradesh  
Chandrababu, E. GR  
Bangalore  
Kishanathorthy, Uppoor GR  
Dorval  
Perron, Cassile A. '57  
Fonthill  
Smylie, Michael J. '91  
Grimby  
Cumming, George W. '51  
Guelph  
Gorey, Donald G. GR  
Schaefer, Trevor R. GR  
Steele, Lawrence F. GR  
Stene, Bruce GR  
Hamilton  
Ward, Tracy J. '87  
Kamath  
Grenier, Chris J. '89  
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Ankima, William A. GR  
Victoria  
Moh, Gary H. '68  
Wood Vancouver  
Inami, Hans '89  
Winnipeg  
Townsend, James S. GR

**JAPAN**

Osaka  
Aikawa, Yohio GR  
Nagasaki  
Rosenblatt, Susan R. '91  
Sagamihara  
Higginbotham, Patricia A. '90  
Tokyo  
Tokyo, Iaso GR

**KENYA**

Mombasa  
Bannan, Michael V. '75  
Nairobi  
Werner, Linda Hamilton '88  
Zuberli, Ester Costanzo GR

**MALAYSIA**

Kuala Lumpur  
Adams, Michael T. '82

**MEXICO**

Guatemala  
Villages, Rafael M. '67  
Julien  
Hajjaj, John M. '44  
Mexico City  
Petrillo, Felipe GR  
Ruta-Lopez, Benjamin GR  
Mexico D. F.  
Deutsch, James A. GR  
Monterrey  
Gonzalez, Roberto Z.

**NIGERIA**

Enugu  
Osoje, Joseph N. '86  
Ibadan  
Adeosun, Michael E. GR

**NORWAY**

Skjerve  
Moenig, Judith Hagen '82  
Medfjord, Richard H. '80  
Oslo, Rada P. '80

**PAKISTAN**

Sialkot  
Siddiqi, Muhammad A. GR

**PERU**

Lima  
Valdivia, Raphael H. '91  
Barran City  
Cabo, Aurora Violanda GR  
Cabo, Lito L. GR  
Mandajay  
Wood, Rex W. '41  
Santiago, Orlando G. GR  
Lyon City  
Carlin, Salvador L. '54  
Lorena, Joseph R. '91  
Schusterman, Ramiel '88

**GERMANY**

Bonn  
Zuber, Lita Silberman '74  
Aachen  
Lindholm  
Hone, Christopher P. '85  
Ludwigshafen  
Schwarzer, Michael E. '81  
Munich  
Moy, Patricia '89  
Potsdam  
Schwarz, Stephan W. '91

**HONDURAS**

Tegucigalpa  
MacLean, Carolyn M. '91  
Houston  
Chang, Catherine Wang '79  
Wan Chai  
Whiting, Gordon J. '87

**ISRAEL**

Haifa  
Lecherian, Arthur S. '82  
Rehovot  
Langem, Arlene Wisnau '47  
Kamath  
Grenier, Chris J. '89  
Kitchener  
Bradley, Darryl H. '85  
London  
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Trent  
Ankima, William A. GR  
Victoria  
Moh, Gary H. '68  
Wood Vancouver  
Inami, Hans '89  
Winnipeg  
Townsend, James S. GR

**IRELAND**

Dublin  
Conack, Amling P. '80  
O'Brien, David GR

**ITALY**

Rehovot  
Langem, Arlene Wisnau '47  
Kamath  
Grenier, Chris J. '89  
Kitchener  
Bradley, Darryl H. '85  
London  
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Bowman, Austin L. GR  
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Victoria  
Moh, Gary H. '68  
Wood Vancouver  
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Winnipeg  
Townsend, James S. GR

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Aikawa, Yohio GR  
Nagasaki  
Rosenblatt, Susan R. '91  
Sagamihara  
Higginbotham, Patricia A. '90  
Tokyo  
Tokyo, Iaso GR

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Zuberli, Ester Costanzo GR

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Hajjaj, John M. '44  
Mexico City  
Petrillo, Felipe GR  
Ruta-Lopez, Benjamin GR  
Mexico D. F.  
Deutsch, James A. GR  
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Gonzalez, Roberto Z.

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Medfjord, Richard H. '80  
Oslo, Rada P. '80

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Sialkot  
Siddiqi, Muhammad A. GR

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Valdivia, Raphael H. '91  
Barran City  
Cabo, Aurora Violanda GR  
Cabo, Lito L. GR  
Mandajay  
Wood, Rex W. '41  
Santiago, Orlando G. GR  
Lyon City  
Carlin, Salvador L. '54  
Lorena, Joseph R. '91  
Schusterman, Ramiel '88

**LOST ALUMNI**

Balock, Barbara M. '81  
Bucher, Mark L. '30  
Bowers, Jeremy G. '86  
Camp, Pamela Sharp Jr. GR  
Chiao, Monica L. '87  
Commins, Melaine S. '87  
Conklin, Cheryl D. '89  
Coser, Richard J. '90  
Datta, Rada P. '80  
Darwin, Lynn A. '89  
David, Judith L. '79  
Delaney, John L. '89  
Dover, Rita M. '89  
Eckert, Katherine L. '89  
Fagarty, Mary Ellen S. '89  
Foster, Donald H. '32  
Frazier, Paul T. '89  
Goolbsy, Helen R. '87  
Hobson, Brent C. '85  
Katz, Linda R. '87  
Klavick, Darryl E. '77  
Kline, Peter '89  
Kucin, Allen D. '72  
Lee, Karin M. '87  
Linn, Susan M. '87  
Lorenz, Michael G. GR  
Lyon City  
Carlin, Salvador L. '54  
Lorena, Joseph R. '91  
McKenna, Irene E. '86  
Monsalvo, Jorge GR  
Montgomery, Thomas L. '30  
Morris, Karen L. '90  
Norella, Laura '89  
Parrish, Burton S. '89  
Pfeiffer, Beth A. '89  
Phillips, Donald J. Jr. '88  
Pruce, James E. '89  
Siller, Nancy  
Hernandez, Roseline J. '91

**PHILIPPINES**

Batman City  
Cabo, Aurora Violanda GR  
Cabo, Lito L. GR  
Mandajay  
Wood, Rex W. '41  
Santiago, Orlando G. GR  
Lyon City  
Carlin, Salvador L. '54  
Lorena, Joseph R. '91  
McKenna, Irene E. '86  
Monsalvo, Jorge GR  
Montgomery, Thomas L. '30  
Morris, Karen L. '90  
Norella, Laura '89  
Parrish, Burton S. '89  
Pfeiffer, Beth A. '89  
Phillips, Donald J. Jr. '88  
Pruce, James E. '89  
Siller, Nancy  
Hernandez, Roseline J. '91

**PUERTO RICO**

Rio Piedras  
Tosca, Cecilia A. '88  
San Juan  
Parrish, Burton S. '89  
Pfeiffer, Beth A. '89  
Phillips, Donald J. Jr. '88  
Pruce, James E. '89  
Siller, Nancy  
Hernandez, Roseline J. '91

**SINGAPORE**

Singapore  
He, Edward Hui-Hwa GR

**SOUTH AFRICA**

Lesuto  
Kuseni, Mchah L. '89

**SOUTH KOREA**

Daejeon  
Kwon, Yun H. GR  
Seoul  
Han, In Ky

## ALUMNI NOTES

by Pam Jaffe '93  
Student writer

20

**Alice Wakeley '23** of Ithaca has five children, twelve grandchildren, and thirteen great-grandchildren. One daughter and one granddaughter are Cornell graduates.

**Cyril Small '28** of Lockport, N.Y. is active as a volunteer in Literacy in the Lockport area. She is also active in the United Methodist Church. She has one daughter and three sons.

30



**Austin Curtis, Jr. '32** was the first Cornellian honored by the Cornell Club of Michigan for lifetime accomplishments. Austin was co-author of several research papers with Dr. George Washington Carver, and currently owns Austin W. Curtis Laboratories in Detroit. He is active with the Carver Museum at Tuskegee Institute, Carver Chemurgic Research Program, and the George Washington Carver Research Foundation.

**Esther Aronson '35** of Ithaca is a retired physician. In her spare time she enjoys gardening, especially orchids.

**Julian Silverman '38** of St. James, N.Y., has just returned from a cruise from Los Angeles via the Panama Canal through the Caribbean to Fort Lauderdale.

**Robert Blair '39**, M.S. '40, Ph.D. '45 of Trumansburg, N.Y., recently retired from working as a manager of the Poultry Health division of Ibbotson Industries.

40

**Ed Markham '42** of Kent, Wash. is an international traveler, photographer, and lecturer.

**Len Parker '42** of Palm Beach Gardens, Fla. was recently awarded the nation's highest award for environmental achievement by Barbara Bush. He has founded six leading horticultural corporations.

50

**Robert Davenport '50** of Kingston, N.Y. is raising sweet corn and vegetables with his two sons. In his spare time he enjoys golf, skiing, and fishing.

**Donald Jewett '50**, who retired from teaching at Elmira College and Cornell University, spends his time sailing, camping, traveling, and volunteering.

**William Schneider '52** of Elmort, N.Y. recently retired after thirty-five years with the New York City Housing Authority. He spends his time traveling, going to the theater, and playing chess.

**Roger Burgraff '55** of Fairbanks, Alaska is a mine owner and consultant. He formerly worked for the U.S. Fish and Wildlife Service.

60



**Stephen B. Ashley '62**, chairman and CEO of Ashley Mortgage Corporate in Rochester, N.Y., has been elected vice president of the Mortgage Bankers Association of American (MBA). He will become the trade association's president in 1994, representing some 2,500 member companies and financial institutions. Ashley is an active leader in several Cornell and college positions.

**H. Bryan Neel III '62** was recently elected to the University of Minnesota Board of Regents by the Minnesota State Legislature. This is considered the highest level of volunteer public service in the state.

**Thomas Pirie '64** of Grafton, Mass. has been married for 23 years and has two children. He lives on a small farm with horses and sheep.

**Carol Kessler '65** of Bethesda, Md. has her own private practice in internal medicine. She has a daughter currently attending Cornell. In her spare time she does some gardening, antiquing, and stamp collecting.

**James Munger '67** is a teacher of 7th-grade science in Mexico, N.Y. He has been married for 25 years and has two children.

70

**Kevin Malchoff '74** of Eden, N.Y. is vice president of Rich Products. He has been married seventeen years and has three children.

## Stan Warren Donates Collection



Historic agricultural tools and household utensils have been donated by emeritus professors Stanley Warren '27 and Robert Smith '42 to the Genoa Historical Association in King Ferry, N.Y.

Throughout his many years of teaching Farm Management, Stan accumulated a varied collection of antique agricultural tools and household

**Michael Nolan '77** of Montclair, N.J. recently joined the firm of Bear, Stearns and Co., Inc. as a managing director.

**Rodion Iwanczuk Jr. '79** of Islip, N.Y. is a volunteer firefighter and an emergency medical technician.

80

**Peter Prusch '80** is a scientific review administrator for the National Institute of Health in Bethesda, Md.

**Ellen Davis-Zehr '81** has returned home to Tiskliwa, Ill. after three years with the Menomonee Central Committee in Lesotho, in southern Africa. She and her husband are now engaged in small organic farming and marketing. Their second child, Luke, was born on December 18.

**John Roche '81** of Boston is working for the family business, Roche Bros. Supermarkets, which runs nine upscale stores in the Boston area.

**Jeffrey Simmons '81** of Indianapolis is a marketing associate for poultry products for the Agricultural Animal Health Division of Eli Lilly Pharmaceutical.

**Eva Bostek '83** is a small-animal veterinarian in Morris Plains, N.J.

**Lee Gilman '83** of Basking Ridge, N.J. is a manager at Bartlett Tree Experts.

**Mark and Judy Kaback '83** of Sudbury, Mass. are the proud parents of daughter Justine, who was born on October 4. July is the former area captain for the ALS Alumni Association in Eastern Mass.

**Eileen Marie Gaskell '84** is an accountant in Boston. In her spare time she likes to go biking and skiing.

**Amanda Martin '84** of St. Albans, N.Y. is married and has two children. She works as a bank investigator in New York City.

**Leo Reitman '84** of Newton, Mass. received his MBA from Stanford in 1990. He works at CSC Index and is married to Nancy Sberlock '84.

**James Abbruzzese '85** is living and working on the family farm in Altamont, N.Y.

**Michael Terry '85** of Fayetteville, N.Y. is the director of small business development for the United Way of N.Y.

**Johanna Albright '87** of Macedon, N.Y. is in her second year of the MBA program at the Wharton School at the University of Pennsylvania.

**Andrea Lieblom '88** recently received a master's degree in health services management and business administration from the University of Michigan. She works as a research consultant in health services for Aetna.

**Richard Melby '88** is a sales representative for American Cyanamid to corn and soybean production.

**Antonia Obeys GR '88** of Washington, D.C. is a consultant for the World Bank in Brazil, Peru, and Venezuela in the Agricultural Operating Division.

**Diane Weisbrodt '88** graduated in May from Boston University's graduate physical therapy program. She is employed at Spaulding Rehabilitation Hospital in Boston.

90

**Christine Bond '91** is a graduate student and assistant residence hall director at Miami University in Oxford, Ohio.

**Mark Cisz '91** of Massapequa Park, N.Y. is working as a banking and compliance auditor at the Divine Savings Bank of New York.

**Nara Dracan '91** is attending Miami University of Ohio pursuing a master's degree in microbiology. In her spare time, she enjoys horseback riding and spending time with her two dogs.

**Elizabeth Goldman '91** is currently attending Cornell's College of Veterinary Medicine.

**Tory Handler '91** of New York City is currently studying at Cornell Medical School.

**Jeanine Jhun '91** recently relocated to NYC and has been working for a textbook publisher. She enjoys reading, traveling, and writing.

**Kathleen Leavy '91** of Franklin, N.Y. is currently attending Cornell's College of Veterinary Medicine.

**Amy Morris '91** of Bloomington, Ind. is in her first year of law study at Indiana University.

**Julie Nelson '91** is a graduate student at the University of Minnesota, Minneapolis.

**Chiara Puffer '91** of Berwyn, Pa. is starting her own business, a courier service.

**Scott Schiessl '91** of Islip, N.Y. is in the M.D./Ph.D. program at the College of Physicians and Surgeons of Columbia University.

**Gary Wojcik '91** of Adams, Mass. is a first-year graduate student in the Department of Atmospheric Sciences at the State University of New York-Albany.

## THE YOUNG ALUMNI SECTION

## ALS Alumni Association Rocks California

Cornell may have shown a slightly below average performance on the football field at Stanford, but many of the Ivy alumni traveled from near and far to support the Big Red not only for the football game but for the other teams who competed as well. The game was somewhat of a blowout as Stanford rallied its 56 points.

Cornell put together the pregame and postgame tailgates of the century, worthy of the 125th celebration. As we went to the tailgate, held on the Stanford baseball diamond, we passed Stanford students and alumni who wanted to go, too. Unfortunately it was limited to Cornell alumni, students and friends.

There were approximately 1,000 alumni and students gathered to relish in a lavish buffet, taste wines from the region, and reminisce about the good times on the Hill. Long-lost singing groups came together to sing again, and some even had tapes of songs they sang 30 or 40 years ago. Old friends met again for the first time since graduation. Even Dean Call managed to relax and step out of his usual suit and tie business attire. It was no day to be wearing a suit, and the alumni who lived there said it only rained about 15 days of the year. The weather was a lot like it would be at Cornell on parents' weekend, which we all remember seems to one of the best days of the semester. Yes, sir, not a cloud in the sky.

When the sun went down, most people would have been exhausted from such a long day, but

not the ALS alumni. Many alumni and friends gathered at Fishermen's Wharf in San Francisco for dinner with Dean Call at Castagnola's. The banquet was a success and the guest speaker, Dr. Dean S. Edell, class of '63, was amazing. He told of his frequent broadcasts as a radio medical reporter and on syndicated T.V. If you thought you had heard it all, you need Dr. Edell to relate a few of his experiences to you. He opened our eyes to the modern questions posed in the medical field.

We were having so much fun at the games, dinners, and tailgates that it was hard to return to the cold and snow of Ithaca. Talking with the alumni, however, made us appreciate what Cornell and the College of ALS have offered. When we stood at the end of the banquet to sing our Alma Mater and give our farewells to those we had met, we felt the true relationship that is common among all ALS alumni. That may sound tacky, but we do share that common bond. If you have ever been back for reunion weekend, caught up with some old pals from those college days, or run into another ALS alum in the business world, then you know what that common bond is.

by John Balet '92  
Student writer

## Questions posed to California young alumni:

What is the best thing about living in California?

What was your New Year's resolution and have you kept it?

In what path would you direct the graduating seniors of 1992?



**Mark H. Brandt '86**  
Western Territory  
Manager  
Cargill, Inc.



**California:** "The diversity. I know that sounds redundant being from Cornell, but I'm from the Midwest and California is very different. There is no bias out here, and I really like the cultural diversity."

**New Year's Resolution:** "I made one, but I forgot it... OK, my New Year's resolution was to give something back to my community. In the last two places I lived, I was involved in some sort of volunteer work. That's one thing I'd like to do here."

**To the seniors:** "Don't think that any particular assignment is below your level. I say that because every position you take is training for the next area you will move into throughout your career."



**Andrew T. Dudley '88**  
Cell biologist  
Genentech Inc.  
San Francisco

**California:** "The best thing about California, I think, is really similar to the best thing in New York City, the diversity,

the culture. There are so many things to do. That is what drew me to California, the celebrations of culture. People are not afraid to express how they feel."

**New Year's Resolution:** "My resolution was to make sure I got back to graduate school this year. All of my applications are out, and I have an interview at Harvard in February. So I guess had the initiative to get it done."

**To the seniors:** "I would encourage most of them to take time off from their hectic lives. Step back and take a look at the world. Look clearly at how the things in your life and in the world are going. When you find things that you don't like, get involved and promote changes. Take a little free time and volunteer yourself."



**Amy Marks '87**  
Research Assistant  
Univ. of California at San Francisco  
San Francisco



**California:** "The weather. I do miss the cold winters of the East, but the summers here are cool, much more reasonable."

**New Year's Resolution:** "I didn't make one. My theory is, if you don't make them, you can't break them."

**To the seniors:** "Take time out to discover the kinds of things you like to do. Talk to people who are working to see where your interests might fit in."



**Kristyn S. Benzinger '90**  
Entertainment  
Advertising  
Marina Del Rey

**California:** "The weather. It is not like Ithaca at all. I love to be in shorts and think about all those people sliding down the hill in the snow. Believe me, I loved Cornell, but not the cold."

**New Year's Resolution:** "I made one, but now I don't remember what it was. I think my New Year's resolution will be to get a job sometime."

**To the seniors:** "Do what you want, you will feel much better about it. Follow your dreams, that is what you worked so hard for at Cornell. While you are young, take advantage of the world. Also, stick with Cornell friends. We have a small group out here, and there is a bond between us. You should never really leave Cornell. Get involved with other alumni and see what they are doing."

**Scott Bolanda '88**  
Category Management  
Nestle Food Co.  
Glendale

**California:** "I could say that it is the access to the Pacific Rim nations, but no one would believe me. I'm so predictable,

but it is the weather. Another good thing is the diversity of activities that are available. You can be on the beach in the morning, and be skiing in the mountains that night."

**New Year's Resolution:** "I would like to make my 34-mile commute in 35 minutes."

**To the seniors:** "Identify your skills and expertise and pursue jobs where you can demonstrate that expertise, but be flexible. Whatever you choose to do, give it 100 percent effort but have fun. At Cornell you can get stressed out and have no fun. On the outside you finally can have fun."

# Alumni Leadership Teams

## 225 ALS alumni provide leadership for alumni events and college connections

When so many alumni of our College of Agriculture and Life Sciences at Cornell team up as district or regional leadership teams with District Directors, Regional Captains, or State Coordinators, great things are destined to happen for the betterment of Cornell, the college, and alumni. We proudly list these alumni leaders by districts and regions.

### New York State

**District 1: Nassau & Suffolk Counties**  
District Director  
Suzanne M. Avena '76  
10 Sammis Street  
Southtown, NY 11787  
(516)366-6731

**Team Members**  
Donald G. Horowitz '77  
Dulston T. Smith '87  
Joseph W. Tyree '91  
Doreen H. Fricke '52  
Richard Girardi '85  
Paul J. Zukowski '76  
Thomas M. DiDomenica '82

**District 2: Kings, Queens, Richmond Counties**  
District Director  
Jeddie G. Maber '89  
241 East 86th St., Apt. 7D  
New York, NY 10025-1929  
(212)201-3423/W

**Team Members**  
Einar Knutson '91  
Steven Katz '89  
Nancy Farber '87  
Michael Bloomquist '85  
Kellie Rosenburg '87  
Judith Ricot '91  
Robert Silverstein '84

Christopher Kelder '87  
Robert D. Davenport '50  
Earle A. Wolfe '50  
Wayne Kelder '82  
Karen E. Cone '86  
Phillip H. Davis '50

**District 6: Columbia, Greene, Dutchess Counties**  
District Director  
David R. Teter '85  
Rt. 2, Box 413  
Clinton Corners, NY 12514  
(914)868-7796/H

**Team Members**  
Mary Cary '75  
Warren Whigston '50  
Phil Gehlert '58  
Paul C. Harrington '83  
Jim Mackeiver '70  
Emil Krulzar '5P

**District 7: Seneca, Albany, Schoenectady Counties**  
District Director  
Peter J. Pankowski '74  
29 Concord Drive  
Seneca Falls, NY 12159  
(518)785-3675/H

**Team Members**  
Dwight A. Brown '89  
Kathy H. Hill '80  
Paul F. (Dick) Zimmerman '76  
Dave Mosher '80  
David Jennings '77  
Lawrence K. Eckhardt '80  
Richard Jones '71  
Robert A. Pierpont '73

**District 8: Fulton, Schoharie, Montgomery Counties**  
District Director  
Bruce R. Wright '75  
54 N. Grand Street  
Cohasset, NY 12043  
(518)234-4201/H

**Team Members**  
John Adams '49  
James Barber '79  
Mary Keegan '84  
Kathy '87 & Scott '88 Kelley  
Paul Van Deburgh '84  
Art D'Ambrino '87  
Cindy Barber '79  
Larry Van De Valk '87

**District 9: Washington, Saratoga, Warren Counties**  
District Director  
Thomas L. Hoy '20  
25 Pershing Street  
Queensbury, NY 12904  
(518)795-3550/H

**Team Members**  
Peter Hanks '70  
Dr. John A. Malachuk '54  
Elizabeth Laffan '84  
Nancy Inhof-Snyder  
Albert Louisbury '35  
Jon Peck '60  
Don Griffin, Sr. '65

**District 10: Clinton, Hamilton, Essex Counties**  
District Director  
Estine Newcomb '64  
Norman Ridge Rd., Box 240  
Vermonville, NY 12889  
(518)991-5742/H

**Team Members**  
Phillip W. Newcomb '63  
Kenneth Paragary '80  
Philip G. Wolff '58  
Robert Gallagher '56  
Mac Torrance '75

**District 11: Jefferson, Lewis, St. Lawrence Counties**  
District Director  
Stephen E. Teske '72  
North Rd., Rte. 1, Box 7  
Ludlow, NY 13658  
(315)393-3067/H

**Team Members**  
William Roese '57  
Shirley Norton '52  
Donald Whiteman '82  
Roger Murray '81  
Erion Sipher '43  
David Parter '58  
Gail Feagles '85

**District 12: Madison, Herkimer, Oneida Counties**  
District Director  
John M. Clark '80  
916 Paris Road  
Clinton, NY 13323  
(315)727-9252/H

**Team Members**  
Joan M. Richards '84  
Ed Shastark '49  
Robert W. Kanger '39  
Carol Bookbush '79  
Dustin P. Curry '65  
David Chiles '85

**District 13: Chenango, Schuyler, Yates Counties**  
District Director  
Finley Steele '36  
655 Eschell Avenue  
Elmira, NY 14901  
(607)732-6853/H

**Team Members**  
Elaine Dalrymple '73  
Karen E. Rhodes '82  
Warren Giles '77  
Carl R. Valley '73  
Larry N. Davis '57

**District 18: Allegany & Steuben Counties**  
District Director  
James B. Van Brunt '82  
83 Main Street  
Hornell, NY 14843  
(607)324-0749/H

**Team Members**  
Conner Stephens '90  
Gerald Reed '52  
Daniel T. Stutzman '57  
Ted Markham '44  
Thomas Kent '71

**District 14: Tompkins & Cortland Counties**  
District Director  
John R. Whittenton '68  
508 Nye Road, RD #3  
Cortland, NY 13045  
(607)753-7191/H

**Team Members**  
Mary M. Grainger '79  
Thomas A. Dumas '62  
Judith F. Reihman '80  
J. Daniel Hill '58  
Mary M. Johnson '85

**District 15: Oneida, Seneca, Wyoming, Livingston Counties**  
District Director  
Hans Kusze '82  
3887 Miller Road  
Warau, NY 14569  
(607)766-2033/H

**Team Members**  
Thomas C. Burke '83  
Merville James Bolton '58  
Paul Tilly '58  
Amy Phillips '82  
Sherry Dunch '80  
Janice Barrett '82  
Robert Park '52  
Todd Roberts '80  
Jerry Marley '71

**District 20: Niagara & Erie Counties**  
District Director  
Nathan R. Herendeen '64  
8000 Mill Road  
Layport, NY 14067  
(716)772-7243/H

**Team Members**  
Mark Mead '88  
Lynn Kasey '74  
Douglas Snow '76  
John '80 & Marjann R. Fessenden '84  
Michael Forward '81  
Dick Romano '83  
Kenton Patchen '71  
David McDonough '87

**District 16: Wayne, Ontario, Monroe Counties**  
District Director  
Theodore Muller '55  
37 Banta Street  
Pheasant, NY 14532  
(315)348-2544/H

**Team Members**  
Kathleen Cattieu '75  
Valerie Cole '60  
Janice R. Weisbeck '59  
William A. McKee '71  
Peter Gardner '57  
Dee '78 & Kate '43 Abraham  
Frank Wiley '44  
Kathleen O'Donnell '83  
Susan W. Saeber '86

**District 17: Chemung, Schuyler, Yates Counties**  
District Director  
Finley Steele '36  
655 Eschell Avenue  
Elmira, NY 14901  
(607)732-6853/H

**Team Members**  
Elaine Dalrymple '73  
Karen E. Rhodes '82  
Warren Giles '77  
Carl R. Valley '73  
Larry N. Davis '57

**District 18: Allegany & Steuben Counties**  
District Director  
James B. Van Brunt '82  
83 Main Street  
Hornell, NY 14843  
(607)324-0749/H

**Team Members**  
Conner Stephens '90  
Gerald Reed '52  
Daniel T. Stutzman '57  
Ted Markham '44  
Thomas Kent '71

**District 19: Orleans, Seneca, Wyoming, Livingston Counties**  
District Director  
Hans Kusze '82  
3887 Miller Road  
Warau, NY 14569  
(607)766-2033/H

**Team Members**  
Thomas C. Burke '83  
Merville James Bolton '58  
Paul Tilly '58  
Amy Phillips '82  
Sherry Dunch '80  
Janice Barrett '82  
Robert Park '52  
Todd Roberts '80  
Jerry Marley '71

**District 22: New England Region**  
District Director  
Charles F. Baxter '74  
P.O. Box 609  
New London, NH 03257  
(603)536-6275/H

**Team Members**  
Jane Longley-Cook '69  
1 Woodland Circle  
Hartford, CT 06105  
(203)236-2780/H

**District 23: Connecticut State Coordinator**  
Jane Longley-Cook '69  
1 Woodland Circle  
Hartford, CT 06105  
(203)236-2780/H

**Team Members**  
William L. Buffin '56  
Scott O. Walker '78  
Daniel J. Hagen '81

**Massachusetts Western Massachusetts Captain**  
Richard H. Baldwin '71  
5 Birch Terrace  
Westfield, MA 01085  
(413)568-4981/H

**Team Members**  
Chuck Bowman '27  
James L. Craig '62  
Ralph Lawrence '70  
Eastern Massachusetts Captain: Vacant

**District 23: Canada**  
District Director  
Michael R. Barrett '71  
2979 A-Bloor St. West  
Toronto, CANADA M8X1C1  
(416)365-7294/H

**District 24: Mid-Atlantic/Southeast Region**  
District Director  
Marion K. Rippey '79  
2125 Wauwright Circle #2C  
Frederick, MD 21701  
(301)363-5357/H

**Maryland State Coordinator**  
Denise P. Merifield '73  
8711 Leonard Drive  
Silver Spring, MD 20910  
(301)585-8433/H

**Team Members**  
Tom Cosgrove '90  
Howard Schaller '90  
Tomoko Moriama '89  
Anna Reid '80  
Joe Sacco '75  
Terena Pastak '87  
Antonia Olneya '88  
Ruth Hansen '60

**Florida Central Area Captain**  
Donald G. Robinson, Sr. '41  
125 Camella Trail  
Lansburg, FL 34748  
(904)787-3643/H

**Team Members**  
Donald W. Barton '51  
Mildred Coghlan '37  
Robert Wiergent '42  
Clarence Dullais '35  
Gerald Brant '57  
Gilbert H. Flint '40  
Fenton Sands '42

**Southern Area Captain**  
Russell C. Jensen '82  
405 NW 16th Street  
Homestead, FL 33030  
(800)247-0863/H

**Team Members**  
Phillip E. Nichols '42  
Rebecca E. Wozens '81  
Christopher Sweeney '68

**Northern Area Captain**  
William Seaman, Jr. '66  
3018 NW 1st Street  
Gainesville, FL 32607  
(904)378-6565/H

**Team Members**  
Donald Price '63  
Ransald R. Brown '68  
Dianne Rey '90  
Earl Steier '48  
Mary Collins '75

**District 25: Midwest/Central Region**  
District Director: Vacant

**Indiana State Coordinator**  
Thomas K. Jeffers '61  
1303 Bittersweet Drive  
Greenfield, IN 46180  
(317)462-9733/H

**Team Members**  
David Yeager '71  
Jeff Simmons '89  
William A. Fales '63  
Robert B. Taylor '56  
John A. Ober '89  
James B. Oulhouse '38  
Gail E. Ruhl '77

**District 26: Western/Mountain Region**  
District Director: Vacant

**California State Coordinator**  
Judith R. Cox '61  
2202 Redondo Ct.  
La Costa, CA 92089  
(619)942-6210/H  
(619)458-3829/W

**Central Area Captain**  
John Ferguson '88  
c/o Sanford C. Berstein Co., Inc.  
1999 Ave. of the Stars,  
Suite 1950  
Los Angeles, CA 90067  
(213)286-6038/W

**Team Members**  
Scott Bolovina '88  
Laura Carlson '78

**Northern Area Captain**  
Ray Barton '50  
101 East 7th Street  
Davis, CA 95616  
(916)756-6632/H

**Team Members**  
Cecil Lamb '50  
Beth Hall '70  
Fred Cannon '82  
Howard Krazier '40  
Peter Maybaum '80  
John Wright '53  
Abdenn Ayanaba '70

**Southern Area Captain**  
Glenn Dale '87  
4747 Idaho St.  
San Diego, CA 92116-1418

**Team Members**  
Carl G. Baker '62  
Ken '80 & Pat '81 Newman  
Laura Vandorvet Rodgers '89

## Financial Statement

July 1, 1990 to June 30, 1991  
College of Agriculture & Life Sciences Alumni Association

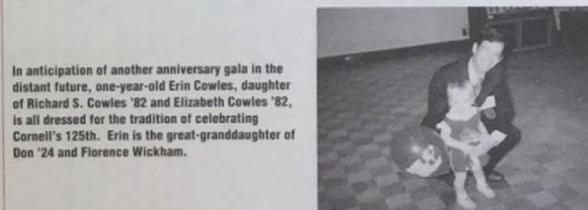
### Statement of Revenues, Expenses, and Fund Balances

REVENUES		
Membership Dues	Two year	\$21,847
	Four year	5,750
		24,010
Alumni Program Fees/College Support		23,158
Gifts		400
Vic Stephens Prints		1,493
Life Member Endowment Interest		3,873
'86 to Present Life Member Fund Interest		5,558
Other Interest		575
Julian Carter Memorial Fund/Fund for Ambassadors		3,700
Reimbursements		1,749
Life Member Fund — Transfer for Alumni Auditorium		3,334
Transfer Fund Reserves		3,974
Miscellaneous		1,227
<b>Total Revenues</b>		<b>\$100,648</b>
EXPENSES		
Alumni Association Sponsored Programs — campus & regional		\$29,060
Alumni District Program/Membership/Material Support		13,455
Boards/Committees/Conferences/Travel		7,466
Vic Stephens Prints		375
Student Awards/Student Scholarships/Ambassador Support		12,797
Alumni Auditorium — Final Installments		3,334
ALS Alumni News		8,000
Miscellaneous		2,151
Life Membership — Transferred to Reserve		24,010
<b>Total Expenditures</b>		<b>\$100,648</b>
SUMMARY OF ASSETS (As of June 30, 1991)		
Charter Life Member Endowment		\$100,000*
Operating Account		(945)
Reserve Accounts		11,573*
Certificate of Deposit		38,713*
*Charter Life Member Endowment Market Value; Principal is protected. *Reserve Accounts & CD include 1986-1991 life memberships. Interest used for operating costs.		\$117,313
Fund balance at end of year		\$149,341
Dale Coats '69, Chairman, Audit Committee		

## Our College Celebrates at Cornell's 125th Anniversary Bash in San Francisco



L-R Program chair Lawrence "Cecil" Lamb '50, Dean David L. Call '54, Dr. Dean Edell '63, Andrea Jeffers '93, California ALS alumni coordinator Judith Cox '61.



Bruce D. Shapley '62, Bruce A. Miller '61, and Larry J. Garducci '61.

In anticipation of another anniversary gala in the distant future, one-year-old Erin Cowles, daughter of Richard S. Cowles '82 and Elizabeth Cowles '82, is all dressed for the tradition of celebrating Cornell's 125th. Erin is the great-granddaughter of Don '24 and Florence Wickham.



New Jersey ALS alumni gathered for a Dean/Alumni Get-Together with Dean David L. Call. In left photo, Robert Forness '87, chaired the event with Associate Director for Alumni Affairs Kelly Smith '88.

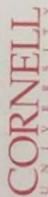
# CALENDAR '92

- April 29-30**  
College Advisory Council Meeting,  
400 Riley-Robb Hall, Campus
- May 16**  
Rededication of Ag Quad Trees and Benches,  
3:00 p.m.
- May 24**  
Commencement, followed by graduate and  
family/friends reception
- June 5**  
Orientation of New Directors on ALS Alumni  
Association Board, 1:00 p.m., campus
- June 5-7**  
Cornell Alumni Reunion Weekend
- June 6**  
Alumni Reunion Breakfast and Alumni  
Association Annual Meeting, 7:30 a.m.,  
Sheraton Inn, Ithaca, doors open at 7:00
- June 17**  
ALS Alumni Association, Dean/Alumni Get-  
Together, District #15 - Dan Fessenden '87,  
Director (Seneca, Onondaga, Oswego, Cayuga  
Counties) Kenneth E. Wing '58, speaker
- July 12**  
District #9 (Washington, Saratoga, Warren  
Counties), Annual District Picnic at Wash-  
ington Park - Thomas L. Hoy '70, District Director
- July 15**  
ALS Alumni Association, Dean/Alumni Get-  
Together, Indiana - Thomas Jeffers '63, State  
Coordinator
- August 5-9**  
National Agricultural Alumni and Development  
Association Annual Conference, Portland,  
Oregon
- August 12-13**  
Symposium in honor of R. H. Foote, "Reproduc-  
tion in Farm Animals: Science, Application and  
Models," Contact Dr. W. E. Bernardson (see  
ad, page 4)
- September**  
ALS Alumni Association, Dean/Alumni Get-  
Together at Eastern States Exposition, Fourth  
Annual Exposition, Jane Longley-Cook '69  
Chair, Dean David L. Call '54 speaker. Date to  
be announced in separate mailing
- October 9**  
ALS Alumni Association, Standing Committee  
Meetings, noon-4:00 p.m., campus
- October 9**  
ALS Alumni Association, Outstanding Alumni  
Awards Banquet, 6:00 p.m., Carrier Ballroom,  
The Statler Hotel, campus
- October 10**  
ALS Alumni Association, Board Meeting,  
8:00 a.m.-12 noon, campus
- October 29-31**  
Cornell Council Weekend, campus
- October 23-24**  
Homecoming, pregone ALS Alumni tailgate  
party, Katie Hill (behind stadium)



Five generations of potato professors were brought together in Ithaca recently. Prof. Ora Smith (seated right) was Mr. Potato during his career on the Cornell faculty. William C. Kelly, Ph.D. '45 (seated left) was one of Prof. Smith's 27 doctoral students who researched potatoes. Kelly received his Ph.D. in 1945 and later became a member of the faculty in the Department of Vegetable Crops. Prof. Elmer E. Ewing (standing right), was one of Prof. Kelly's 25 Ph.D. students and has chaired the same department, now called the Department of Fruit and Vegetable Sciences, since 1982. Dr. Min-Soon Lee Kim (standing center) was the first of 18 graduate students to complete a Ph.D. under Prof. Ewing. Still a potato researcher, she is now dean of the College of Natural Resources, Daksung Women's University, Seoul, Korea. Suh Jung Kak (standing left) is a graduate student of Diana Lee Kim, with a Master of Science degree in potatoes. Quite a family tree that Ora Smith started!

Printed on recycled paper.



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

Address Correction Requested

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



## ON THE INSIDE

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## INSECTS THAT PROTECT PLANTS

The college advances biological control, and an alumna applies the findings commercially. See page 1.

Dated Material • April 1992