

AGRICULTURE & LIFE SCIENCES NEWS

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

August 1992

**APPLE INDUSTRY
EXPANDS BY
DOWNSIZING**
—PAGE 1



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No, they don't use smaller trucks, but apple growers like the Fowler Brothers, Robert '73 (right) and John, have learned the value of "small is better" when it comes to growing apples. They also market their products well; this miniature, a replica of their real trucks, is used in trade shows, supermarket promotions, and parades. **See page 1.**

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Transforming the State's Apple Industry

Wander the New York countryside today and you may come across what at first looks like vineyards or Christmas tree farms. You actually are seeing a transformation of the state's apple orchards.

Once towering 30-foot apple trees are being replaced with miniaturized versions of themselves. At maturity an apple tree planted today may be just seven feet tall, with branches trained into the shape of a pyramid or spread out along a trellis like a fan.

While an acre in an old orchard might have produced 400 bushels of fruit, an acre in a high-density orchard can produce twice as much, better tasting, longer lasting fruit.



At Forrence Orchards in New York's Champlain Valley, Forrence brothers and sons are boosting apple production on 850 acres by switching to high-density growing. Roger Forrence (second from right) began his family's ties to Cornell when he attended the College of Agriculture as a special student in the 1940s. Since then, brothers and sons have attended or graduated from the college. From left, Mason '69; Cortland, a graduate of Delhi; Virgil; William; Roger; and Mac '75.

New York State's \$100 million industry, the second largest producing state in the nation, is thriving because of a century and more of research that began with Liberty Hyde Bailey's founding of the college and continues through today.

"Cornell is instrumental in all the different aspects of my operation," says Mason Forrence '69. "Faculty and extension staff help me with disease and insect control, keeping the trees healthy, harvesting and storing the fruit."

Forrence Orchards is a family-owned corporation controlled by Roger, William, Virgil Jr., Mason, Mackie, and Cortland, as well as

Peter who is not active in the business. The 850-acre orchards are located in the Champlain Valley twenty minutes from the Canadian border. The Forrences specialize in McIntosh apples and are replacing the acres holding 40 large trees with high-density plantings of 660 little ones.

Forrence works closely with Terence L. Robinson, associate professor of horticultural science at the N.Y. State Agricultural Experiment Station in Geneva. According to Robinson, two factors drove the change that's taking place in New York. The first is the ability to dwarf trees by using selective rootstocks—the root and a few inches of trunk that genetically control the stature of the tree without influencing the size or variety of the fruit that grows above it.

"Using dwarfing rootstocks, you can plant more trees per acre and get an enormous increase in yield," Robinson explains. "Another advantage is that small trees allow much better light exposure to fruit at the bottom of the tree. New shapes capture light more efficiently than the old globe-shaped one. The result is better quality fruit and an increased, early yield."

There are about 60,000 acres of apple orchards in the state with the smallest commercial grower using 50 to 60. "The new intensive systems can produce so much that a grower could make a full-time living from just 20 to 40 acres," Robinson says.

The second impetus toward planting smaller and smaller trees comes from the economic pressures facing growers. A dwarf tree can bear a first crop in just three years and reach its maximum yield in seven. This means quicker income, but it requires a substantial capital investment.

"It's ten times as expensive to establish an acre of fully dwarfed apple trees than one with standard trees," says Robert Fowler '73, owner with his brother, John, of Fowler Bros., located in Wolcott, New York, on the shores of Lake Ontario.

Specializing in Empire, although producing a dozen varieties in all, Fowler has 90 percent of his orchard planted in seven-foot trees at 550 to 600 trees an acre; he's moving toward densities approaching 900.

"The marketplace has dictated a volume of consistently grown, high-quality apples, and you can best achieve that with a fully dwarfed

tree," Fowler explains. "We certainly feel the initial investment is worth it."

Another aspect of the intensive orchard systems being investigated in the college is a dramatically reduced use of pesticides. "We've found that a grower can cut pesticide use in half because of the small stature of the trees," Robinson notes.

Determining correct amounts and the most effective way to apply pesticides is a service scientists here offer states apple producers like James R. (Roscoe) Crist '54 who owns Crist Bros. Orchards with his brother, Edward, Cornell student during World War II, and nephew, Jeffrey '76.

"We're trying to fine-tune our spraying practices in an environmentally sound fashion," says Crist. "We rely on the research inputs we get from Ithaca, Geneva, and the Hudson Valley Research Lab [part of Geneva] to do this."

Located 60 miles from Manhattan in the lower Hudson Valley, Crist Bros. Orchards produce all the major northeastern varieties of fresh market apples including Rome, Em-



"New York State produces over 27 million bushels of apples each year, second only to the state of Washington."

—Stiles

pire, Red Delicious, McIntosh, and Jonamac. They were among the first growers in the state to plant dwarfed trees, and Crist says they've found that twelve-foot, semi-dwarfed trees planted 167 to the acre works well for them.

From the lab to the orchard
It's Warren C. Stiles' job to make the

(Continued on page 3)

Alumni Awards Banquet to be Held October 9

Reservation form on page 7

The 1992 Alumni Awards banquet will be held Friday, October 9, in the Statler Hotel Ballroom on the Cornell campus. This year's banquet will honor five outstanding alumni and the 1991 Young Alumni Achievement Award winner. The evening will be hosted by Bruce R. Wright '75, newly elected president of the ALS Alumni Association, and Elaine P. Newcomb '64, chair of the awards committee.

This year marks the 16th anniversary of the Outstanding Alumni Awards and the 5th anniversary of the Young Alumni Achievement Award. Sixty of the college's 38,000 alumni have been honored thus far. The late Joe King '36 was the first recipient in 1977.

Reservations for the banquet may be made using the reservation form on page 7. Register early to guarantee yourself a space. Reservations must be returned by October 1. For more information, call the Alumni Affairs Office at 607-255-7651.

Outstanding Alumni Awards

**W. Keith Kennedy
M.S. '41, Ph.D. '47**

Keith Kennedy's accomplishments as a professor and administrator have made him one of the most respected figures in the history of the university. He joined the ALS faculty in 1949 as a professor of agronomy.

In 1959, he was appointed director of research for the college and in 1965 was named vice-provost for the university. He left Day Hall in 1972 to serve as dean of the college for six years and returned in 1978 as provost. He was named provost and professor emeritus upon retiring in 1984 and has since devoted much of his time to community service. He served as director of Tompkins Community Hospital from 1985 to 1988 and is currently vice-president of the Atlantic Philanthropic Service Co., Inc. in Ithaca. He was honored in 1990 with the dedication of Kennedy Hall.



Raymond E. Johnson '54

Ray Johnson has operated Duelwood Farm in Schaghticoke, New York, for more than forty years, first as sole owner and more recently in partnership with his son Edward '83. During this time he has been a leader in both local and national dairy organizations. He is past president of the American Dairy Association and Dairy Council and has been president of the regional association since 1983. He also served as president of the Washington County Farm Bureau and is a director of the DairyLea Cooperative and a member of the National Dairy Promotion and Research Board. He is a life member of the ALS Alumni Association and, during his fourteen years as chair of Secondary School Committee #120, was instrumental in recruiting many students for Cornell. In addition to Edward, those recruits included two of his other sons and a niece.



(Continued on page 7)

MESSAGE FROM THE DEAN



For the past ten years, I have had the pleasure of working with Associate Dean Ken Wing. It has been a fruitful working relationship as well as a close friendship. So it is with mixed emotions that I announce his decision to leave the college to become the ninth president of the SUNY College of Agriculture and Technology at Cobleskill. Ken's ties to Cornell are strong and I know his decision was difficult. We will miss him and we wish him well. However, since we work closely with Cobleskill, we also applaud their selection.

Ken is the latest in a long line of ALS faculty members and administrators to move into top positions at other institutions.

To name just a few, we've seen Ted Hullar and John Kinsella become chancellor and dean, respectively, at the University of California at Davis, Lam Hood appointed dean at Penn State, Jim Ozburn named president of North Dakota State, and Durwood Bateman become dean at North Carolina State. Although we always hate to lose talented people, their recruitment is evidence of the college's reputation for excellence among its peer institutions.

This reputation is not lost on the nation's high school students. Applications for admission continue to increase. This past year we received 3,506 applications to the Class of 1996 and we accepted 1,012, including the largest number of minority students ever. The average grade point average of the more than 600 who have enrolled so far is 93.3. They come from fifty-six of the sixty-two counties and boroughs in New York State as well as thirty-eight other states. We also have students from Argentina, Canada, China, El Salvador, Guatemala, Hong Kong, Italy, Pakistan, Puerto Rico, Singapore, Spain, and Thailand.

When they graduate, those students will go on to diverse and challenging careers. A recent survey of the Class of 1986 by the college's Office for Academic Programs shows just how wide ranging the professional lives of our graduates are. They have become engineers, veterinarians, farmers, managers, bankers, sales representatives, attorneys, securities traders, consultants, accountants, teachers, editors, and landscape architects. A number have finished medical school and are completing internships and residencies. Many have started their own businesses. Sixty-nine percent are in the for-profit sector, fourteen percent are in education, eight percent are in government, and nine percent are with other non-profit organizations.

The accomplishments of these graduates reflect the quality of our undergraduate and graduate instruction. As part of our ongoing efforts to strengthen instruction, we recently established two new endowment funds honoring agricultural economics professors Richard "Doc" Aplin and Dan Sisler. The funds will be used initially to support new graduate teaching fellowships. As the funds grow, they may be used to endow graduate fellowships, lectureships, or perhaps ultimately, professorships.

Our instruction efforts are also augmented by increasingly sophisticated technologies. Computers are a perfect example. When I became dean in 1978 there were two personal computers in the college. Today faculty and staff offices are equipped with computers and many students have their own computers in their dorm rooms or apartments. In addition, we operate four computer labs, including one in Mann Library, which log in more than 100,000 users a year. These labs will soon be linked to Cornell's on-line catalog system and other networks, providing users with access to an unprecedented amount of information.

New technologies and new challenges make this perhaps the most exciting time in the college's history. Our responsibility to agricultural progress extends no longer just to the United States, but to the entire world. Indeed, as President Rhodes recently pointed out, Cornell could well become the first global land-grant university. It makes the College of Agriculture and Life Sciences a great place to be as we approach a new century.

As I've visited alumni groups around the country to talk about the future of the college, I've been heartened by your commitment. My thanks for all you do. I look forward to seeing many others of you at the alumni gatherings we have scheduled for next year.

David L. Call '54

Tracy Keller Wiles Joins Alumni Staff



Tracy Keller Wiles '88 has been named Associate Director of Alumni Affairs for the College of Agriculture and Life Sciences. Tracy replaces Kelly Smith '88 who returned to full-time MBA studies at Cornell's Johnson School of Management and is now working with Procter and Gamble in Cincinnati, Ohio.

Wiles is providing administrative leadership for the college Alumni Association, for alumni programs in several New York and out of the state regions, and for on-campus ALS Alumni events, according to John C. Sterling '59, director of the College's Alumni Affairs.

During her studies here, Wiles was well known by classmates for her work at the front desk of Mann Library. She was a resident adviser while on campus and has served on our College Alumni Association's five-year task force and the Tioga/Broome Alumni Leadership Team.

She has been a marketing specialist for Columbian Mutual Life Insurance Company in Binghamton and assistant staff auditor for Prudential Insurance Company of America in New Jersey. She is married to Philip Wiles '86, Agriculture and Life Sciences.

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Dean
David L. Call

Associate Dean
Kenneth E. Wing

Assistant Dean for Public Affairs
William G. Boldt

Executive Editor
John C. Sterling (Director of Alumni Affairs)

Editor
James P. Titus

Writer
Metta Winter

Designer
Dennis F. Kulis

Production Coordinator
Donna S. Vautine

Photographers
University Photography: cover photo by Bruce Wang.
Chera Hildreth
Kelly Joan Smith
John C. Sterling
Tracy Keller Wiles

Contributing Writers
Mike Powers

Editorial Assistant
Jeanne Astor

Student Writers
Pam Jaffe '91

Correspondence should be addressed to John Sterling, Alumni Affairs, 203 Roberts Hall, Cornell University, Ithaca, NY 14853.

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The By-Products of Physics Become Life Saving Drugs

Forty feet below the lush turf of Cornell's Alumni Field, electrons and positrons spin through a half-mile circular tunnel almost as fast as the speed of light. The radiation these whirling particles give off enables the college's biochemists to transform the way new pharmaceuticals are developed.

AIDS, cancer, arthritis, hypertension, and a host of other ills will one day be treated with drugs that are more effective, less expensive, and have fewer side effects than those available today thanks to *chess*, the world renowned Cornell High Energy Synchrotron Source.

Chess was built as a tool for particle physicists to study the sub-atomic components of protons, neutrons, and electrons. It so happens that during experiments at the synchrotron an immense amount of energy is irradiated, an amount so huge as to produce, by far, the most intense X-ray beam that can be created anywhere in the world.

Although a waste product from a physicist's point of view, these high intensity X-rays are a gold mine for Steve Ealick, a professor of biochemistry in the Section of Biochemistry, Molecular, and Cell Biology. Ealick uses them to create a picture of the structure of individual molecules too small to be seen through even the most high-powered electron microscope.

The technique Ealick uses is called macromolecular crystallography. In simplified terms it works like this:

First Ealick makes a crystal of a large protein molecule. He then exposes the crystal to an X-ray beam from *chess*. This creates what are called X-ray diffraction patterns; they are two-dimensional and look like a circle containing a smattering of dots. Ealick takes hundreds of these X-rays of the crystal then feeds the diffraction patterns into a computer. The computer puts them together and draws a picture of the three-dimensional structure of the molecule.

The same process could be done in a laboratory setting, but access to *chess*, which is funded by the National Science Foundation, makes all the difference to what Ealick can accomplish.

"*Chess* is the best place in the world to do macromolecular crystallography," he explains. "It produces an X-ray beam 1,000 times more intense than we could get in a lab. Because of this we can collect data 1,000 times faster, accomplishing a year's worth of work in a matter of hours. And the more intense the beam, the higher the image's resolution."

The results of Ealick's work as the director of Macromolecular Crystallography at *chess*,

or *MacChess* for short, have applications that range from understanding the fundamental biochemistry of the human body (we're made up of millions of different proteins) to engineering novel proteins for making more efficient laundry detergents. But the most exciting outcome of the National Institutes of Health-sponsored *MacChess* Program is in designing new pharmaceuticals.

Traditionally, drugs are developed through a lengthy trial and error process. In creating a drug to treat a particular condition, the first step is to identify the right target in the body. This is typically a protein, say one that's essential for the reproduction of a bacteria or the elevation of blood pressure. Once the target protein is found, pharmaceutical companies progressively try various molecules or groups of molecules until they discover the one that can inactivate the target protein. This is a laborious, expensive, and time-consuming process.

Ealick points out that "in the area of cancer alone, it's estimated that more than five million compounds were synthesized over the past 40 years to arrive at the 30 or so drugs approved for clinical use today."

Macromolecular crystallography allows Ealick to determine exactly what the target protein looks like. It's like having the picture of a lock. In traditional drug development, the target protein, or lock, may be known, but what it looks like is undetermined. All the various compounds the pharmaceutical companies create are like a pile of keys. Each key must be tried in the lock, one after the other, in order to find just the one that fits.

"In our approach," says Ealick, "we look at the lock and design a key to fit it, just as a locksmith would. Our goal, however, is not to open the lock but to disable it."

The *MacChess* Program, started nine years ago, is bearing fruit. Some of the proteins and compounds studied there have shown very good promise in clinical trials for the treatment of arthritis.

The industry recognizes how radically macromolecular crystallography can influence new drug development; at present Ealick is consulting with five pharmaceutical companies. He is investigating the structure of target proteins and the design of compounds that can interfere with their functioning.

"Not only can the research done at *MacChess* be used to create drugs faster, cheaper, and more finely-tuned to limit side effects," says Ealick, "but also ones that are less toxic. This can reduce the need for animal testing. Drug companies are very much in favor of this."

Metta Winter



Professor Steve Ealick and a model of a protein that is a target of drug design.

Corrections from spring issue

Our apologies to the following alumni for errors in the last issue of the *News*. Just when we think we have everything perfect for an issue, an error will slip into print. We appreciate your understanding and will proof your *News* more closely.

Alumni News Notes

Robert F. Ball, MS '40 PhD '45

(name misspelled)

Stephen B. Ashley '62 and Austin Curtis '32 (photos switched)

Young Alumni News

Scott Bolonda '88 (photo missing)

Photo Captions

Fred McCloskey '41 (name misspelled)

Alumni Association Membership Roster

Nimat Barazangi '88, Ithaca, New York (listing missed)

Esther S. Bondareff '37, Royal Palm Beach, Florida (address incorrect)

Edwin J. Dietz '27, Sun City, Florida (address incorrect)

Donald H. Foster '32, Ocala, Florida (listing missed)

Laurence E. Ide '32, Millville, Delaware (address incorrect)

Steve Smith '35, Yorkshire, New York (listing missed)

Alumni Association Leaders

District #10, Leadership Team for Franklin, Clinton, Essex & Hamilton Counties. Robert W. Leavitt '72

Wing to Head SUNY Cobleskill



Kenneth E. Wing '58, associate dean for the College of Agriculture and Life Sciences, has been appointed the ninth president of the State University of New York at Cobleskill. Wing, who will assume office on December 1, was selected from a field of 85 candidates.

As associate dean in the College of Agriculture and Life Sciences since 1982, Ken Wing has been responsible for faculty recruitment, faculty development, promotions, personnel, planning, physical space and affirmative action. During Wing's leadership at Cornell, 170 new faculty members were recruited, and many research laboratories and teaching facilities were renovated to meet their needs.

Wing also has worked closely with the dean on a wide range of college programs, including alumni affairs, development, intercollegiate activities, budget management, and admissions. Wing has addressed thousands of alumni and friends at gatherings of the college alumni association during the past 10 years, and served as the Dean's representative to the alumni association's board of directors.

SUNY Chancellor D. Bruce Johnstone said he was "delighted with the outcome of the search and looks forward to Dr. Wing joining the SUNY presidential ranks."

Wing holds a Ph.D. degree in agricultural economics, an M.Ed. in agricultural education and a B.S. in general agriculture from Cornell. He spent one year in

Sweden as a Cornell exchange student, has visited Cameroon in West Africa with a team from the University of Maine, and spent one year at Colorado State University as an American Council on Education Fellow in Academic Administration.

He served as dean of the University of Maine's College of Life Sciences and Agriculture for five years, following ten years of teaching experience in Maine's Department of Agricultural and Resource Economics, including several years as department chair. While at Maine, he also directed the Agricultural Experiment Station.

As a participant in Cornell's Faculty-in-Residence program, Wing has lived in the residence halls with his family for three years. His professional affiliations include Alpha Zeta, Phi Kappa Phi, Alpha Gamma Rho and Gamma Sigma Delta.

Wing has chaired United Way campaigns both at Maine and Cornell. He has served on the Board of Directors of the Cornell Rural Schools Program since 1985, has chaired the Cornell Plantations Advisory Board since 1988, and was a member of the Board of Directors of the Cornell University Council in 1986-87. He served on the Board of Governors of the New York Mercantile Exchange for 1979-83.

He was appointed to Task Force III of the Toward 2005 Project of the Northeast Regional Council, formed by the U.S. Department of Agriculture's Joint Council on Food and Agricultural Sciences. Articles by Wing, primarily concerning market pricing of eggs and other agricultural products, have been published in the *American Journal of Agricultural Economics* and in university bulletins at Maine and Cornell, among other publications.

Originally from Pike, New York, Wing is married to the former Sharon Schoppe of Auburn, Maine.

Apples (Continued from page 1)

latest research in orchard nutrition available to growers. Stiles, a professor of fruit and vegetable science, is currently working on more efficient methods of fertigation—applying orchard fertilizers through a trickle irrigation system that's installed when a new acre of dwarfed trees is planted.

"Orchards used to be irrigated by rainfall, which is sometimes six to seven inches short of what's needed," says Stiles. "With intensive systems it's critical to maintain even water supplies. Putting nutrients in with the irrigation system allows us to maximize their efficiency while minimizing the amount used."

By taking advantage of the work of Stiles and others in the college, Forrence Orchards produces 400,000 bushels of apples every year. The Forrences trust three-quarters of this crop to safe keeping in a controlled atmosphere (CA) storage facility adjacent to the orchard. It's a modern version of their original 1956 CA facility, one of the first to be installed on a New York farm. The technology to make long-term storage commercially viable was advanced here by Pomology Professor Robert M. Smock.

Smock determined that by putting Macs in an airtight refrigerated room and altering the gases—lowering the oxygen and raising the carbon dioxide to specific levels—the fruit could be kept fresh for months.

His student and successor David Blanpied, professor of fruit and vegetable science, refined Smock's early work so that what was once a six-month period for selling fresh market apples is now nearly year round. Robert Fowler, who also has on-farm CA storage, begins packing the second week in August and, by gradually removing apples stored in the CA facility, can pack 11 months of the year.

Blanpied, one of the few experts of his kind in the world, is further refining the CA technology. He also is investigating the prime time to pick a crop that will hold maximum firmness and varietal flavor (the window is



Apple growing on dense dwarf trees. One technique uses Y-shaped trellises to expose the fruit to more sunlight.

less than ten days). This research is essential for New York's growers to not only maintain their sales at home, but also abroad.

James Crist, part of a ten-grower group that ships all over the United States, sells 25 to 30 percent of his fruit abroad. "England was one of our best customers last year."

Fowler sells primarily within New York State but also is increasing sales to England and Western Europe.

Forrence cites the value of the breeding program from another angle. "Americans feel that an apple must be perfect—big, solid red, and without the slightest blemish," he explains. "Breeding more pest- and disease-resistant varieties is the only way to do this if you also want to reduce chemical pesticides."

Susan Brown, associate professor of horticultural science, is the leader of the apple breeding program, one of the premier centers of its kind in the world. Brown and her colleagues in four departments have a gene pool of thousands of apple varieties to call upon for developing new ones.

"This is important because consumers buy apples by specific variety. The new varieties we're working on, while requiring much less pesticide, offer a dramatic improvement in flavor."

Metta Winter

ALS Alumni Gather with the Dean

Northern Florida



Randy Brown '68 and Pia Brown



Martha Schwingel, William Schwingel '82, and William Messina '76



H. Peter Warnock, M.S. '77, Earl Stone '48



Bill Seaman '66, Northern Florida ALS alumni captain, and Dean David L. Call '54

Central Florida



Dean Call addresses a roomful of ALS alumni and friends near Orlando



Joe Pendergast '38, George Pringle '33 and Wendell Wheeler '36

District #19 - Wyoming, Orleans, Genesee, Livingston Counties



Ralph Morgan '29, Dean David L. Call '54, and Kay Popp Morgan '86.



Jerry Bertoldo '74, Bridget Bertoldo, Pat Haight, Robert Haight '84, Sheryl Church '89, standing.

New York City



District 2 and 3 alumni gathered with Dean Wing and Brian O. Earle '68, senior lecturer of communications, who gave advice on methods of networking in today's business community.



District #17



John A. Matochik '54, Associate Dean Kenneth E. Wing '58 and Sally Hoy.



Richard Bornholdt '47 chats with Professor Emeritus Kenneth Robinson '47, main speaker at District #17 gathering.

ALUMNI NOTES

10

Paul Young '09 of Elyria, Ohio, is a fantastic alumnus who has attended all reunions of his 1916 class. He is the oldest living alumnus of the Department of Horticulture.

20



Edmund H. Moot '22 and his wife, Florence, live in Rhinebeck, N.Y. We are proud of their four-generation family. Edmund is an avid conservationist and a long-time writer for various publications.

Marion Dunham '27 of Georgetown, N.Y., is a retired teacher.

30

James Rice '30 is a founding member of the Tompkins County Board of Health. County legislators recently commemorated his 44 years of public service by the naming of the James E. Rice Conference Room at the county's Herman Biggs building.



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 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.

Margaret Alford '34 operates the Baymar Wildlife Refuge at Honeoye, N.Y.

Robert F. Ball '39 M.S. '40, Ph.D. '45 of Trumansburg, N.Y. recently retired from working as a manager of the Poultry Health Division of Babcock Industries.

40

James Whitaker '42 of Storrs, Conn., retired after 30 years as a professor of agricultural engineering at the University of Connecticut. He and his wife Alice '42 travel and enjoy community service work.

Anthony LaScala '43 of Santa Rosa, Calif., is involved in real estate and does some small farming.

David Huntington '46 retired after 22 years as president of SUNY Ag and Tech College at Alfred.

Robert Foote '47, Cornell professor of animal science, was awarded the L.E. Casida Award for excellence in graduate education from the American Society of Animal Science. In August there was a symposium held in his honor in Wisconsin.

James Howell '48 of Post Falls, Idaho, is an associate executive for the Presbyterian Church. He plans to retire at the end of the year. In his spare time he flies his Cessna 180 around the West.

50

Gerard Reed '50 of Prattsburg, N.Y., is a retired Vocational Agriculture teacher. He is the current president of the Retired Agricultural Teachers of New York and in his spare time does some traveling and remodeling.

Verne Fogg '51 of Westchester, Ill., retired from the American National Can Company.

Robert Giebitz '51 is a regional sales director at Midland National Life. He lives on a farm in Portales, N.M., has 9 children and 24 grandchildren.

Harold Gould '51 of Pavilion, N.Y., is a semi-retired dairy farmer.

Conrad Kercher '54 of Laramie, Wyo., is a professor of animal nutrition at the University of Wyoming. He has been a faculty member since 1954.

Clark Phillips '55 of North Collins, N.Y., is a dairy farmer. He is the father of four ALS alumni, the father-in-law of three, and is married to a Human Ecology alumna.

Jane Gillott '57 of Horseheads, N.Y., is a ceramic artist and teacher.

Donald Tallman '58 of Kissimmee, Fla., has worked for the State of Florida for the past 27 years as a toxicologist at the Animal Disease Diagnostic Laboratory.

Jenny Tesar '58 of Bethel, Conn., is a self-employed writer. Her most recent publication is entitled *Our Fragile Planet*, a six-volume series written for young adults covering complex scientific issues.

60

John Mulcahy '60 of Sanborn, N.Y., is president-elect of the Cooperative Extension 4-H Agents Association.

Robert Feagles '61 has been a dairy farmer in St. Johnsville, N.Y., for the past 20 years. Before that he farmed in Warwick, N.Y. He has four children.

Carlo Grunori '61 is living in Annapolis, Md., and works with the State Department of Natural Resources in the Wildlife Division.



Stephen B. Ashley '62, chairman and CEO of Ashley Mortgage Corporation in Rochester, N.Y., has been elected Vice President of the Mortgage Bankers Association of America (MBA). He will become the trade association's president in 1994, representing some 2,600 member companies and financial institutions. Ashley is an active leader in several Cornell and college positions.

John Kiechle '65 is a supervisor for the Town of Philadelphia (N.Y.). He is also chairman of the Jefferson County Democratic Society.

Isaac Rabinow '65 is associate professor of biology and health sciences at SUNY Empire State College. He is married and has one child.

William Seaman '66 of Gainesville, Fla., works in marine biology and conservation and has three children. He is team leader for the ALS Alumni Association programs in Northern Florida.

Lowell Smith '66 of West Springfield, Mass., is a director of financial services for Farm Credit Bank of Springfield. He has a daughter who graduated this May from the college.

Timothy Dennis '67 of Penn Yan, N.Y., is a practicing large animal veterinarian. He has two children.

Terry Beard '69 was recently promoted to associate professor in the biology department at Indiana University of Pennsylvania. He is the coordinator of the biology education program for preparing and certifying high school biology teachers.

70

Harvey Albro '72 was employed by the Homer Central School District (NY) from 1967-1981 as a teacher, guidance counselor and administrator.

Mark Thompson '76 is the office manager at Jefferson Concrete in Black River, N.Y. In his spare time he is active in town government.

Sara Britting '77 is the membership chairperson for the Northeast Ohio Cornell Alumni Club.

Robert Slocum '77 received his MBA from SUNY Binghamton. He is active in the Dryden (N.Y.) Kiwanis Club, and is on the board of directors for the Dryden Historical Society.

Pepl Leide '78 is the co-owner of a mixed veterinary practice in Bath, N.Y.

80

Christie Oaklander '81 of Bronx, N.Y., is an art historian specializing in American fine arts in 1800-1930.

Down Markowitz '83 is a legal editor. She is married to Arnold Markowitz '83 and they live in Ann Arbor, Mich.

Diane Clark '84 was married earlier this year and recently moved to Santa Cruz, Calif.

David Chies '85 is a financial consultant with Shearson Lehman in Utica, N.Y.

Karen Travis '87 moved to Baltimore where she is manager of systems consulting for McLean, Koehler, Sparks and Hammond. She works closely with businesses in developing automated management systems.

Stacey Berg '88 is a fourth-year medical student at Yale University.

Lori Drucker '88 received her M.A. in human sexuality from New York University and is a counselor in New Jersey. She married recently.

Aaron Jackson '88 is an English Conversation Teacher in Osaka City, Japan.

Debbie Schaal '88 is a lawyer in the litigation department of Phillips, Lytle, Hitchcock, Blaine, and Huber in Rochester, N.Y. She recently married Joe Schaal, Eng '88.

David Segal '89 of Salt Lake City is a biochemistry graduate student at the University of Utah.

90

Sophia Balcomb '90 of Rhinebeck, N.Y., has been working as a research assistant at the Caribbean Primate Research Center in Puerto Rico.

Tara Brudkin '90 is teaching science at a Westchester County High School.

Rebecca Brown '90 of Fairport, N.Y., is a customer service analyst for Comstock Michigan Fruit.

Alasia Bulperron '90 has been working as an assistant research scientist in Fairfield, Conn.

Michael Dattner '90 is in his second year at Cornell's College of Veterinary Medicine.

Melora Doan '90 of Hilton, N.Y., is pursuing her M.S. in wildlife management.

Shelley Emens '90 lives in Syracuse, N.Y. and works for JKS Realty Associates.

Judy Feagles '90 is a sales representative for Empire Farm Tech in Richfield Springs, N.Y.

Elizabeth Fox '90 is a math teacher in Windham, N.Y. She graduated from the TESM program, which is designed for students at Cornell who want to become teachers of science and math.

Daniel Fried '90 of Culver City, Calif., is an assistant to Richard Zimman '82 at a film production company owned by his brother Robert Fried '81.

Carrie Gallup '90 of Hackensack, N.J., has been working as a research scientist for M&M/Mars since 1990. She was married in May.

Marie Carlo '90 is a second-year veterinary student at the University of Georgia.

Peter Meybaum '90 is a hospitality representative for Inglenook Winery in Rutherford, Calif.

Frank Monago '90 is a second-year law student at DePaul University. He is also employed by the law firm of O'Conner, Schiff, and Meyers in Chicago.

Jonathan Passer '90 has been working for two years as an environmental consultant doing contract work for the EPA.

Denise Porterfield '90 is a second-year medical student at the NY College of Osteopathic Medicine. She plans to become a family practitioner.

John Randall '90 and George Resnik '90 are partners in a fence construction business in Pennsylvania, New Jersey, and Virginia. They plan to expand their business from Southeast Pennsylvania to Wyoming and Montana.

Heather Helle '90 and Scott Boomer '90 work at the Nature Conservancy to protect endangered bird species.

Lauren Sberolimi '90 is a medical student at Jefferson Medical College in Philadelphia.

Catherine Schneck-Yglesias '90 is a Ph.D. student at the Johns Hopkins School of Hygiene and Public Health. She is also a consultant to US Agency for International Development.

Jeremy Singer '90 of Cooperstown, N.Y., is getting experience in agriculture and plans to return to school for further study in agriculture.

Karen Taylor '90 is working for Farm Credit as a credit representative in Bedford, N.H.

Michael Twining '90 of Clarksville, Tenn., is a combat engineer platoon leader with the 101st Airborne Division in Ft. Campbell, Ky.

Joshua Wright '90 is an assistant general manager for Garolen Craft in Assinippi, Mass.

Marko Zanovich '90 of Bakersfield, Calif., is spending his winters in Chile.

Seth Haseman '91 of Brooklyn, N.Y., is attending graduate school part-time for an M.S. in Environmental Engineering.



by Pam Jaffe '93
Student writer

ALUMNI PROFILES

Michaleen Herzog '84, Michael Herzog '84

All you need take to her is a swatch of upholstery fabric, and floral designer Michaleen Herzog can create a silk flower arrangement that will add a distinctive touch to any room.

Bring Michael, her landscape architect husband, a survey map of your property and he'll do a planting plan to enhance both the appearance and value of your home.

It's this kind of personalized service that sets Michaleen's Florist & Garden Center, Ithaca's newest flower and gardening establishment, apart from its competitors.

"We aim to be as service oriented as possible," says Michaleen, co-owner of the thriving four-year-old business located on Triphammer Road just ten minutes north of the Ag Quad. "I would like to keep aiming toward this so we never take anything for granted."

Take the care lavished on prospective brides. They are apt to call the store time and again, wanting this change and that. "The communication is on-going until we get them married!" Michaleen says, her tone of voice conveying how well she understands the anxiety involved in planning such a big day.

Last year alone, Michaleen designed the floral arrangements for 75 weddings, half of which were for Cornell couples married in Sage Chapel and Anabel Taylor Hall, in the Plantations, and at other scenic spots on campus.

Not only is catering to alumni central to Michaleen and Michael's livelihood, but



Cornell ties have shaped the Herzogs' personal and professional lives since undergraduate days. They met here, were engaged their senior year, and married soon after graduation.

"We always talked about how great it would be to own a business together," she says, but for three years they each honed their respective skills in jobs down on Long Island. Michaleen designed floral arrangements for Feldis Florists. "John Feldis '60 hired me because I was a Cornell grad," she says, and she hired her own manager, Doug Gumaer '86, for the same reason.

In 1987, drawn back by the beauty of the Ithaca area, the Herzogs opened a gift and flower shop in Lansing, then bought an acre of land in a mixed farming and residential area closer to campus. Three years later when they were ready to open their own garden center, the architect of choice was long-time friend, Steve Trobe, Arts '83. Their contractor was Ag School grad Allan Euvrard '70.

"We wanted a building that wouldn't offend the neighbors, nor go out of style," says Michaleen. "We want it to stand the test of time."

Topped with a cupola, the two-story, sea-

side-style clapboard building sits comfortably among corn fields overlooking Cayuga Lake. Inside, a fresh breeze speiced with pot-pourri flutters the leaves of an eight-foot Ficus. Barrel cactus, Areca palms, and other indoor plants of all shapes and sizes are displayed on the first floor, while silk and dried flowers, vine wreaths, baskets, and brass containers line the stairs and balcony around the second. This is Michaleen's domain.

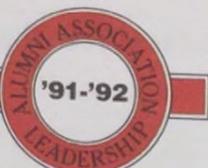
Out front, there are bedding plants, ornamental and fruit trees, roses, azaleas, and hanging baskets, along with bird baths fashioned after sunflowers and curve-necked swans, garden benches, and plaster and terracotta pots, plaques, and statuary. Michael is in charge out here.

"We hoped to avoid a lot of arguing by each having our own separate part of the business," says Michaleen. "Actually it's worked out very well." Two-and-a-half-year-old Edmund Herzog, who's been known to wake up by asking "Who's going to open the store today?" is an enthusiastic helper in both.

With three full-time employees (who have their own deck and kitchen out back) there's a pleasant air of industriousness about the place.

"We were so young, just 25, when we started the business," recalls Michaleen. "It's been a lot of hard work and there's a long way to go, but when I look at pictures of our very first day and look at what we have now, I feel a lot of satisfaction."

Metta Winter



Alumni Association Elects Officers, New Board Members



Bruce R. Wright '75 of Cobleskill, N.Y. has been elected president of the Alumni Association for the College of Agriculture and Life Sciences. Bruce's election makes history in the 83-year-old organization. His wife Anita Decker Wright '75 served as president in 1979-80. She was both the first woman and the youngest alumnae to serve as president.

In other results, Elaine Tutton Newcomb '64 of Vermontville, N.Y. was elected first vice president and Steve Werblow '88 of Mount Vernon, N.Y., second vice president. Larry Brown '57 of Jamestown, N.Y. and Charlene Fisher Baxter '74 of New London, N.H. were re-elected secretary and treasurer, respectively. Marian Rippy '79 of Indianapolis is immediate past president. Board members elected to a full term or renewed term include Joelle Maher '89, District 2; David Teter '65, District 6; Jacqueline Kelder '87, District 5; and Elaine Newman '64, District 10.

New State Coordinator, New Jersey



Robert J. Forness '87, Newark, N.J.; planning consultant, Prudential Insurance Company of America. State coordinator for ALS alumni in New Jersey.

Meet Your New Directors—ALS Alumni Assn.



Elizabeth K. LaPan '84, Greenwich, N.Y.; branch manager, Glens Falls National Bank Director for District #9, Saratoga, Warren, Washington Counties.



David R. Teter '65, Clinton Corners, N.Y.; Cornell Cooperative Extension program leader, Dutchess County. Director for District #6, Columbia, Dutchess, Greene Counties.



Corey C. Wolff '94, Millville, Pa.; student director.



William L. Rodee '57, Canton, N.Y.; retired farmer. Director for District #11, Lewis, Jefferson, St. Lawrence Counties.



James C. Preston '50, Hector, N.Y.; Professor Emeritus, Rural Sociology. Director of District #17, Schuyler, Yates, Chemung Counties.



Denise P. Meridith '73, Silver Spring, Md.; state director for the eastern states, U.S. Bureau of Land Management. Director of District #24, Mid-Atlantic and Southeastern states.

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Bruce R. Wright '75
54 N. Grand Street
Cobleskill, NY 12843
(518)234-4280/41
(518)234-5575/0
- First Vice President**
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Norman Ridge Road, Box 240
Vernonville, NY 12889
(518)891-5724/1
(518)891-4141/0
- Second Vice President**
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80 West Grand St. Apt. A-3
Mt. Vernon, NY 10552
(914)665-1183/1
(914)946-1440/0
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Lawrence E. Brown '57
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Jamestown, NY 14701
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(716)664-2351/0
- Treasurer**
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(603)963-9200/0
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7628 Chesapeake Drive, East
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(317)823-3691/1
(317)771-4978/W
- Faculty Representative**
H. Dean Schuyler
Associate Professor
Department of Education
415 Kennedy Hall
(607)255-9252/0
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(Dutchess)
Corry C. Wolff '94
(Perry/Oswego)
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(212)391-3423/0
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Acorn, NY 12458-5065
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54 N. Grand Street
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(518)234-5575/0
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(518)650-7275/0
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(518)408-2001/0
- District 12: Hamilton, Madison, Oneida Counties**
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11 Snell Place
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P.O. Box 609
New London, NH 03257
(603)526-6275/1
(603)963-9200/0
- District 23: Canada**
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(416)965-7243/1
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8711 Leonard Drive
Silver Spring, MD 20910
(301)665-8433/1
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Marian K. Rippy '79
7628 Chesapeake Drive, East
Indianapolis, IN 46236
(317)823-3691/1
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- District 27: Broome, Tioga Counties**
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1 Woodside Circle
Hartford, CT 06105
(203)232-4992/1
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Hartford, CT 06105
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- Central Florida**
Area Captain
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- Northern Florida**
Area Captain
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(904)393-5670/0
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Houma, LA 70330
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(504)248-6800/0
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1333 Bitterwood Drive
Geneva, IL 60140
(312)460-9373/1
(312)276-9300/0
- Massachusetts**
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5 Birch Terrace
Warefield, MA 01086
(413)568-4911/1
(203)528-3373/0
- New Jersey**
Robert J. Forness '87
751 Broad Street
22 Plaza, E.P.U.
Newark, NJ 07102
(609)497-1848/1
(609)863-8520/0

Membership Dues Increase

Renew or join now and save!

Dues for membership in the 6,200-member ALS Alumni Association will increase effective October 31, 1992 according to association president Bruce Wright '75. "But," Wright says, "alumni can renew or join between now and September 30 at the present low membership rate."

Two-year memberships will increase from \$20 to \$29, four-year memberships from \$36 to \$54, and Life Memberships from \$250 to \$350. "Considering the extensive activity for 37,000 ALS alumni around the country for such minimal dues, it is still a bargain. It's less than \$15 per year and actually at or below the annual dues of other colleges and most classes."

Alumni dues provide recognition programs for outstanding alumni, students, and retiring faculty; support for programs at the local district level; on-campus support for student leadership; selective alumni travel for leadership purposes; miniature wallet-size diplomas for graduating seniors; partial support of the *Agriculture and Life Science News*, and several other projects.

It has been four years since dues were increased. Earnings from Life Memberships since 1987 are used for operating and program needs by the nationwide association.

Alumni, faculty, staff and friends can avoid the dues increase by joining now, using the form on this page.

ALUMNI MEMBERSHIP

Join now and save \$9 - 18 — or \$100.
Membership dues to increase October 31.

Memories
Remember summer vacation from college? Although you were enjoying your freedom, at the same time you missed the people and places that made your college years the best time of your life.
Now that you've graduated, you may still have those feelings. The College of Agriculture and Life Sciences Alumni Association can bring you back!

Attend an alumni event in your area, an ALS event on campus, the ALS Reunion breakfast, or Homecoming. Find out where your classmates are. Let the best memories come back to life.

Become a member today.

Name _____ Class year _____

Street _____

City _____ State _____ Zip _____

Telephone number _____ County _____

Biographical notes:

Use separate sheet of paper if necessary

Dues: until 10/31/92 (dues after that are in \$!)
 2-year membership at \$20 (\$24) _____ Spouse at \$14* (\$20) _____
 4-year membership at \$36 (\$54) _____ Spouse at \$25* (\$37) _____
 Lifetime Membership at \$250 (\$350) _____ Spouse at \$175* (\$245) _____

_____ First installment on my Lifetime Membership at \$90 a year for 3 years (\$125)
 _____ First installment on my spouse's Lifetime Membership at \$65 a year for 3 years* (\$88)
 * 30% discount for joint memberships only

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: Office of Alumni Affairs
265 Roberts Hall
Ithaca, NY 14853-4203

Alumni Leaders Plan for the College and Fellow Alumni

District #10



Leadership team with guests. Seated, Mary Lou Leavitt, Elaine Newcomb '64, district director, Kenneth Parnap '69. Standing, Robert Leavitt '72, Hannah Hanford '79, Mac Forrence '75, Judy Gallinger '56, Robert Gallinger '56, Phillip Newcomb '63.

District #12



Kelly J. Smith '88, Jeannine Polito '92, Carol Buckhout '79, Heather Britt '93. Second row, John Clark '80, district director, David Chius '85, David Currey '65, Jean Richards '84, Ed Slesarczyk '49.

District #17



District #17 has a nearly new leadership team, and all were present for the May annual ALS banquet in Watkins Glen, N.Y. L-R, Lindsay Wickham '85, David Boor '79, James Preston '50, district director, Karen Rhodes '82, Warren Giles '77, Larry Davis '57, and Carl Vallely '73.

District #20



Seated, David Del Bello '90, Nate Herendeen '64, district director, Sandra Sworts '84. Standing, Jim Bittner '80 and Jennifer O'Connell '88.

Northern California



Seated, Seth Hall '79, Peter Maybaum '90, Howard Kratzler '40. Standing, Fred Cannon '82 and Ray Borton '54, area ALS team leader.

District #15



Mike Forward '81, Mariann Fessenden '85, John Fessenden '84, David McDonough '87.

Remembering Your Alma Mater in Your Will

Alumni and friends frequently request information about legal wording for wills and bequests to benefit the College of Agriculture and Life Sciences. Bequests are very important to the college because they provide a means of continuous support for programs important to both the college and the donor.

Bequests may take the form of a specific amount of money or property, a percentage of an estate, or the residue of an estate after you have planned and cared for loved ones and other needs. Exact wording of a will is essential to be sure your wishes are followed.

The following wording is suggested for use by you and your lawyer.

General Bequest for Unrestricted Use. An unrestricted bequest of a sum of money for general purposes, or a percentage of an estate for use where the need is greatest may be worded as follows:

"I hereby give, devise, and bequeath to the College of Agriculture and Life Sciences at Cornell University, an educational corporation in Ithaca, N.Y., for its general purposes [dollars] [all the rest, residue and remainder of my estate]."

Specific Bequests for Restricted Use. A specific amount of money (at least \$10,000) or property given to support a specific, named purpose may be stated as follows, using the creation of a scholarship fund as an example:

"I hereby give, devise, and bequeath to Cornell University, an educational corporation in Ithaca, N.Y., [money or property to be

bequeathed] to establish the [name of the fund], the income from which shall be used only for financial aid to students enrolled in the College of Agriculture and Life Sciences at Cornell University. The income of this fund may be used each year, or if not, may be used in a subsequent year or added to the principal of the fund. Awards from this fund shall be designated as the [name of the scholarship]."

Residual Bequest for Unrestricted Use. A residuary bequest of money or property left after payment of any debts, expenses, and specific bequests, may be worded as follows:

"I give, devise, and bequeath the entire residue and remainder of my estate to Cornell University, an educational corporation in Ithaca, N.Y., for the benefit of the College of Agriculture and Life Sciences at Cornell University."

If you have remembered the college in your will, we would appreciate receiving a copy of that portion of the will pertaining to Cornell. You may send it to ALS Planned Giving, 265 Roberts Hall, Ithaca, N.Y. 14853, so that we may appropriately acknowledge and credit your thoughtful plan to the College/Cornell Campaign.

For additional information about remembering the college in your will, tax advantages, or how your bequest can have the most impact, please contact John C. Sterling '59, ALS Planned Giving, 607-255-7651 or Thomas Foulkes '52, University Planned Giving, 607-254-6180.

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

To help those alumni who spend six months in the north and six months in the south. If you would like to be on automatic mail transfer, please return the coupon below.

Also let us know promptly if either address changes.

Name _____ Class year _____

October-to-May address _____

City _____ State _____ Zip _____

May-to-October address _____

City _____ State _____ Zip _____

The above addresses will transfer automatically each year until we are notified otherwise. Mail to College of Agriculture and Life Sciences, Alumni Affairs Office, 265 Roberts Hall, Ithaca NY 14853-4203.

4th Annual

New England ALS Alumni Reunion Reception at the Eastern States Exposition

West Springfield, Massachusetts
Thursday, September 24, 1992
3:30 p.m.

Rhode Island, Massachusetts, Connecticut, New Hampshire, Maine, Vermont

Registration fee: \$5.00 per adult
Please make reservations by September 10, 1992
Free "Big E" Tickets by return mail

Contact:

Connecticut: Jane Longley-Cook '69,
(203) 236-2786
Massachusetts: Richard Baldwin '71
(413) 568-4981

Other: Charlene Baxter '74
(603) 526-6275

Details to follow in a separate mailing

PURE ADIRONDACK MAPLE SYRUP

-Terrific Holiday Gifts!

Special Discount for ALS Alumni Association members:
Deduct 10% from list prices on orders before 10/31/92

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

Pure Cornell maple syrup is produced at the Uihlein Sugar Maple Research-Extension Field Station in the Adirondack Mountains. Sales support sugar maple research and extension. Syrup is available on a year-round basis.

List prices include shipping.

Size	Price by Zip Code Prefix	
	01 to 50	51 to 99
Pint	\$8.90	\$10.50
Quart	13.20	15.75
Half-gallon	20.90	22.40
Gallon	35.70	41.90

To order, write Uihlein Sugar Maple Research-Extension Field Station Bear Cub Road, Lake Placid, New York 12946. Attn: L. Staats. Make checks payable to Cornell University

Cornell Countryman Subscription

(6 issues a year)

A publication produced by students for alumni and friends of the college.

Name _____ CU ID # _____ Year _____

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City _____ State _____ Zip _____

Telephone _____

Check appropriate subscription length:

2 years \$20

4 years \$40

Make checks payable to Cornell University and mail form to Cornell Countryman, Dept. of Communication, Roberts Hall, Cornell University, Ithaca NY 14853-4203

Alumni Banquet (Continued from page 1)

Solomon Cook '42, M.S. '47, Ph.D. '50

The first Native American to receive a doctorate degree from Cornell, Sol Cook has served as a role model and educator to countless young people on the St. Regis Akwesasne Mohawk Reservation in northern New York. As a teacher and guidance counselor at Salmon River Central School, he helped both native and non-native students pursue educational and vocational goals, select colleges, and pursue employment after graduation. As chief of the tribal council, he played a crucial role in helping his community recover from a serious period of unrest. He has also been an active farmer and researcher, pursuing improvements in cash crop farming and helping other growers in the region improve their farming techniques. Cook and his wife Mary live in Hogsburg, New York. Their daughter Michelle is a physician and radiologist practicing in Buffalo, New York.



Albert J. Beard, Jr. '52

Al Beard's thirty-three-year career as agent and manager with Farm Family Life and Mutual Insurance Company has made him a valued friend to many farm families in central New York. He is known to all his clients as a man of great kindness and professionalism. As a longtime member of the ALS Alumni Association, he has served on the board of directors as president and vice president, and he chaired the largest gathering of alumni for ALScapades in 1987. During his board tenure, membership in the association nearly tripled. Beard has also been very active in community organizations, including the Cooperstown School Board and the Milford Rotary Club. He is regional chair of the ALS development campaign. He and his wife Margaret have four children (one a Cornell alumna) and eight grandchildren.



Young Alumni Achievement Award

Paul F. "Rick" Zimmerman '78

As director of governmental relations for the New York Farm Bureau, Rick Zimmerman has been a strong advocate for the state's agriculture industry. He is well known for his ability to analyze the problems facing the state's farmers and rural citizens and his effectiveness in articulating these issues to legislators both in Albany and in Washington, D.C.; he is credited with many important policy reforms affecting various industry groups. He has also been an active member of several Cornell alumni groups, including the ALS Alumni Association District 7 team. He lives in Delmar, New York, with his wife Kathy and their three children.



Douglas S. Brodie '55

Doug Brodie is a district administrator for Key Bank of New York NA, overseeing the operations of 36 bank branches in six northern New York counties. He has been a tireless fund raiser for many organizations, including the College of Agriculture and Life Sciences, and is a member of numerous professional and civic groups. He is president of the Seaway Valley Boy Scout Council and a director of Lead NY, the Empire State Food and Agriculture Leadership Institute. He has also been an active member of numerous ALS committees over the years and is working on the college's \$95 million capital campaign. Brodie lives in Lowville and is a member of the First Presbyterian Church and the Masonic Lodge.



You are invited!

ALS Alumni Awards Banquet

Friday, October 9, 1992
6 PM Staller Ballroom

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

Albert J. Beard, Jr. '52
Milford, NY
Douglas S. Brodie, '55
Lowville, NY
Solomon Cook '42
Hogsburg, NY
Raymond E. Johnson '54
Schaghticoke, NY
W. Keith Kennedy '41
Ithaca, NY

Young Alumni Achievement Award
Paul F. (Rick) Zimmerman, Jr. '78
Delmar, NY

Return reservations by October 1, 1992

COST
\$27 a person/ \$25 Member Alumni Association or Guest.
Please make checks payable to ALS Alumni Association.

MAIL TO
ALS Alumni Association, 265 Roberts Hall,
Cornell University, Ithaca, NY 14853-4203

LODGING
A block of rooms at the Best Western University Inn (607/272-6100)
until **September 15, 1992**
Please make reservations directly.

Name _____ Class _____
(Please print for nametag)

Spouse or guest _____

Address _____

City _____ State _____ Zip _____

Telephone () _____

Enclosed \$ _____ # Attending _____

Visa/MasterCard No. _____ Exp. date _____

Signature (for credit cards) _____

Special diet request _____

Return by October 1 to ALS Alumni Association, 265 Roberts Hall, Ithaca, New York 14853-4203.

Scenic Prints of Cornell and Ithaca

A Perfect Gift



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

Send the following:

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

Please add \$5 for delivery outside continental United States.
Enclose check or money order payable to ALS Alumni Association or pay with VISA/MasterCard: VISA MasterCard

Account # _____ Expiration Date _____

Signature of cardholder _____
Mail to ALS Alumni Association, 265 Roberts Hall, Cornell University,
Ithaca, NY 14853.

Name _____

Address _____

City _____ State/Country _____ Zip _____

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

Graduation



Below: Commencement is a happy time on the Ag Quad in front of the new Roberts Hall.

Above: The unusually cold day for Commencement didn't deter the honors bestowed upon our students. Kirsten Johnston '92 received the College Alumni Association's Senior Service Award for her leadership on campus. Left is alumni association president Bruce R. Wright '75; right, Dean David L. Call '54. Kirsten was selected from eight finalists for the award, including William Atherton, Canisteo, N.Y.; John Baiet, Ballston Spa, N.Y.; Daniel Borchert, Mariboro, N.Y.; Leila Kahwati, Webster, N.Y.; Craig Lamb, Oakfield, N.Y.; Thomas Lanchoney, Haddonfield, N.J.; and Steven Walker, Cooperstown, N.Y.



CALENDAR '92

September 24
Fourth Annual ALS Alumni Association, Dean/Alumni Get-together at Eastern States Exposition. Details 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, Statler Hotel, campus, Elaine T. Newcomb '64 presiding.

October 10
ALS Alumni Association, Board Meeting, 8:00 a.m.-12 noon, campus

October 17
Open House for prospective students

October 21-22
College Advisory Council Meeting

October 23
Homecoming, pregame ALS alumni tail-gate party, Kite Hill (behind football stadium).

October 24
Career Development Office Open House, 10 a.m. to noon, 177 Roberts Hall. Learn about services available to all ALS alumni, such as the computerized candidate referral data base, monthly job bulletin.

October 29-31
Cornell Trustee Council Weekend, campus

November 6
Transfer Day for prospective students from other colleges



Be sure to attend this year's Outstanding Alumni Banquet at the Statler Ballroom, Friday evening, October 9th. Some of the past recipients of the prestigious Outstanding Alumni Award attended the 1991 banquet: **Seated:** Albert R. Lounsbury '55, Katy Abraham '43, Denise P. Meredith '73, Donald Wickham '24. **Second row:** Herbert Kling '36, Charles (Cimp) Bailey '84, Carol Zimmerman Buckout '79, George (Doc) Abraham '38, Robert Call '50, Bill Smith '38, and Stan Sheparston '36. **Back row:** Alfred Longhouse '37, Robert Bliz '52, Frank Wiley '44, Bernard Porter '43, Cliff Luders '38, Steve Smith '35, Judith Riehlman '80, Fenton Sands '42, and Robert Baker '43. **Reservation information on page 7.**

CORNELL UNIVERSITY

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



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CORNELL UNIVERSITY

AGRICULTURE & LIFE SCIENCES NEWS

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

August 1992



APPLE INDUSTRY
EXPANDS BY
DOWNSIZING
—PAGE 1

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No, they don't use smaller trucks, but apple growers like the Fowler Brothers, Robert '73 (right) and John, have learned the value of "small is better" when it comes to growing apples. They also market their products well: this miniature, a replica of their real trucks, is used in trade shows, supermarket promotions, and parades. See page 1.