

ALS NEWS

Agriculture and Life Sciences

May 2000

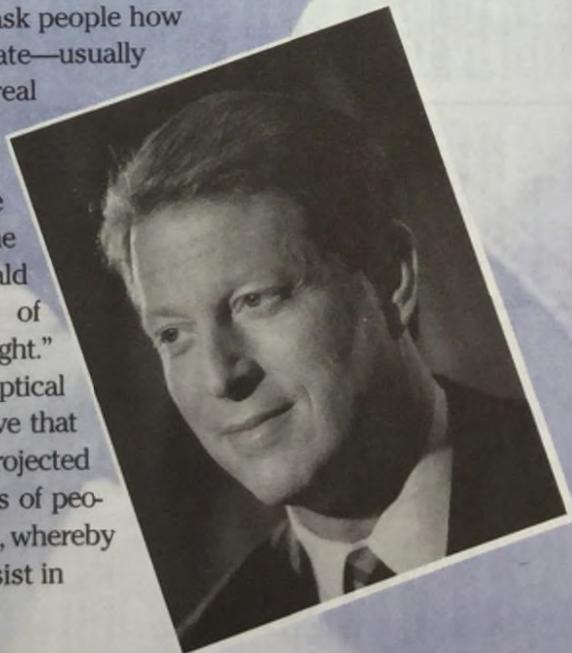
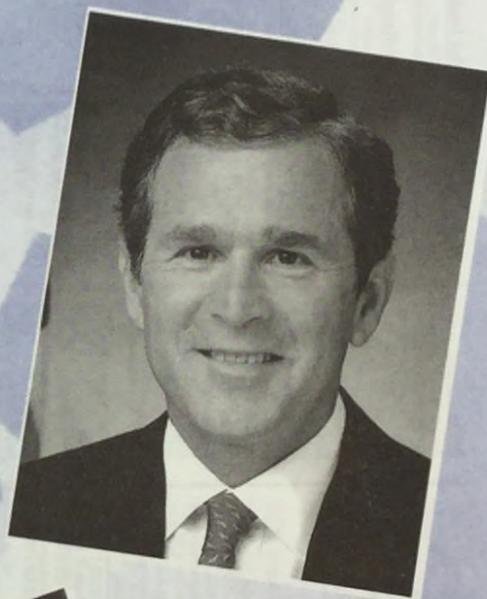
POLITICAL POLLS IN JEOPARDY

Random polls, which survey a tiny fraction of people, are projecting the outcomes of elections with amazing veracity. But polling's success may be short-lived because more and more people are refusing to respond.

With just six months to go before the presidential election, political pollsters are raking in the dough. And earning their bragging rights. Although only about 1500 of the more than 200 million Americans of voting age are called for each of the many polls leading up to national elections, polls conducted shortly before elections that ask people how they are likely to vote are very accurate—usually within two percentage points of the real outcome.

“National political elections are some of the few instances where there is a true outcome to evaluate the veracity of the poll against,” notes professor Ronald Ostman, chair of the Department of Communication. “The goal is to call it right.”

Nevertheless, most of us are skeptical about polling, finding it tough to believe that national opinions or behaviors can be projected from what are essentially tiny numbers of people. One of the keys is random selection, whereby sophisticated computer programs assist in



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POLITICAL POLLS (continued from cover)

choosing a sample group to interview that is very likely to represent the population from which it is drawn. And years of refinements in statistical methods have ensured that—amazingly enough—a mere 1500 usually will do the trick.

Most contemporary polls use telephone surveys that use random-digit dialing methods. In simplified form, random-digit dialing works like this: Computers are fed all the area codes in the country along with the three-digit exchange prefixes within them, weighted for the proportionate number of Americans who live there. Then the computer randomly generates all or part of the last four digits of each phone number and dials two or three of these combinations simultaneously. The interviewer then takes the first number that is answered. This accounts for the pause that often precedes the interviewer's pitch, as well as why people with unlisted phone numbers (about 25 percent of U.S. households) still get called.

"The reality is that many politicians and policymakers base a lot of their decisions and policies on the results of opinion polls," Ostman says, "... so participating in them is just like voting: a way to get your voice known."

Once the phone is answered, the interviewer uses a random method of choosing an appropriate respondent within the household to be interviewed. In election polls, for example, the respondent must be of voting age, registered to vote, and likely to vote.

Although polling has been a fixture of the political scene for more than 25 years, its future may well be in jeopardy because of a little-discussed phenomenon: the nonresponse rate. Americans, tired of having their evening meals interrupted by disembodied voices hawking storm windows and magazine subscriptions, are coming to see pollsters as no different than telemarketers. And their tolerance is rapidly dwindling as evidenced by the increasingly rude responses interviewers report.

For fun, Ostman asked his freshman students in COMM 121, Investigating Communication, how they handle callers who want to either interview them or sell them something. He was shocked at what he heard.

"These are really nice students whom I like, yet they told me at least half a dozen ways they would not cooperate that involved lying or being mean," Ostman says. "They had no problem saying so-and-so wasn't there when they were or that they were the babysitter when they are really a family member."

The "dead air" strategy that struck Ostman as truly bordering on cruel was described by a surprising number of students: putting the phone down and without explanation silently walking away, leaving the hapless interviewer to talk on and on unheard. At the other extreme, another strategy was to make loud, insulting noises and then disconnect immediately.

Not only has the badgering of telemarketers loosened the bounds of accustomed courtesy, it's prompting people to take further action by using answering machines and caller ID services to screen unwanted phone calls. Such technology is rapidly becoming commonplace.

"This is something that really ought to worry us," Ostman says of situations where interviewers may need to contact 3,000 people to get the needed 1500—a 50 percent nonresponse rate. "People who cooperate might be quite different from those who don't, and if they are different in the way they vote, then we'd get a misleading reading."

To counteract the increasing problem of nonresponse rate, Ostman argues that Americans should see the clear distinction between telemarketers and pollsters. And view cooperating with pollsters much like the responsibility each citizen has to serve on a jury. Assuming, that is, that the poll is being conducted by a reputable organization and the interviewer has answered all your questions satisfactorily.

"The reality is that many politicians and policymakers base a lot of their decisions and policies on the results of opinion polls," Ostman says, adding that today's leaders are very sensitive to people's feelings, what they believe and want to see done—that's why they commission polls in the first place. "A lot of polling results get translated into important governmental decisions, so participating in them is just like voting: a way to get your voice known."

What if a Pollster Calls?

Although the chance of being called by a major polling organization this election year is little better than winning the lottery, Ostman has some advice should a Gallup computer kick out your phone number.

Don't answer any questions before finding out both the name of the polling organization and who commissioned it. The paying customer could be the *New York Times*. Then again it could be the Republican Party or AARP.

Furthermore, you have a right to know how the results will be used and an assurance that your responses will remain anonymous or confidential.

Ask the interviewer how long the interview will last. Ask also if you can refuse to answer individual questions, even terminate the interview in mid-stream. And last, find out enough about the subject to judge your own knowledge—and comfort level.

"Academic researchers are required to disclose all of this information up front as a condition of giving respondents informed consent," Ostman says. "But Gallup interviewers are unlikely to spend the three to four minutes it takes, out of fear that they will lose you in the process. More typically they will launch right into the questions. Remember, once you start to answer, the assumption is that you've given implicit agreement to participate."

Expect interview questions to focus on three areas: your knowledge, attitudes, and practice. In an era when more and more voters choose candidates based on their image rather than their stance on particular issues, politicians who commission polls are often more concerned about voters' attitudes and feelings than their knowledge about the issues.

When crafted by national polling organizations, interview questions generally are clear and easy to understand. Sometimes local or regional polls are not done so carefully. Be skeptical about the quality of the poll if you hear either double-barreled or leading questions.

In a double-barreled question, you are being asked two things at the same time, for example: "Do you feel that President Clinton's policy toward world trade with the People's Republic of China is viable and good for U.S. interests?" "Viability" and "U.S. interests" are two questions, one of which you could agree with while not the other, and the interviewer couldn't tell which part of the question determined your response.

In a leading or loaded question, the interviewer uses phrasing that encourages a certain response, for example: "Don't you agree that President Clinton should increase trade with the People's Republic of China?" A good question is neutral—that is, you shouldn't know from the way it's worded whether the pollsters are looking for a positive or negative response.

Sometimes interviewers get into sensitive areas that are potentially embarrassing. What if, after a few questions, you just don't like where the interview is going? Don't feel bad about stopping at any point, Ostman says, provided you are honest and polite about it. His suggestion for what to say: "Thank you but I'm just not comfortable with this interview any longer and am going to hang up now."

Melita Winter



Dean Lund Shaped College's Future

Daryl Lund has guided the college through changes in how it defines its programs, manages its resources, and relates to the university and the agricultural community.

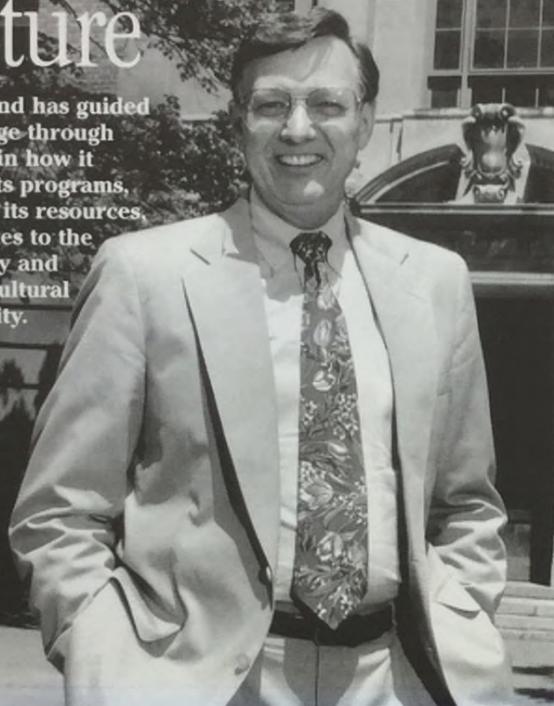


Photo by Frank DiMeo

When Daryl Lund, the Ronald P. Lynch Dean of Agriculture and Life Sciences, steps down in August, he leaves the college strong.

"This has been half a decade of very significant change," says Lund, the college's eleventh dean. "That's been true in the way we look at ourselves programmatically, the way we look at the finances and resources we have to carry out those programs, and in our relationship with the university. I would hope that alumni remember me as a leader of change who was able to represent the college's interest and mission at this time."

Indeed, Lund drew upon his 25-plus years of experience as a faculty member, administrator, and president of a national professional organization, according to Provost Don M. Randel.

"Daryl Lund is an extraordinary, energetic, and talented man," Randel says. "He knows the world of agriculture and agriculture colleges and has put a lot of effort into using that knowledge for the benefit of the College of Agriculture and Life Sciences."

Robert Bitz '52 concurs. "No matter how busy he was, Dean Lund took the time to attend the districts' alumni get-togethers and report on activities occurring at the college," Bitz says. "When the dean finished speaking, alumni were comfortable in the feeling that things were going well."

One of the dean's most significant accomplishments is initiating the program characterization process, which provides a clearer way for faculty, students, and prospective students to view activities of the college's departments.

The first step was to divide those activities into six areas of focus—agriculture; community, human, and rural development; environment and natural resources; food and nutrition; international programs; and life sciences.

"Once done, we still didn't have a way of describing with any degree of specificity what we did collectively in support of

those six areas," Lund says. "So I asked the faculty and academic staff to self-sort into groups, around topical areas such as dairy systems, rather than departments, and then describe what they do."

The result was 95 areas in which the college has active programs in undergraduate and graduate education, research, or extension. (To take a look, go to the CALS Explorer on the college's web site at www.cals.cornell.edu/explorer/)

"The quality of the undergraduate students we have is just phenomenal. I think that's a real strength of this institution—to be attractive to that quality of student. Because of that, we've pressed our faculty and academic staff to be the best they can be. They are teaching very bright students who have very high expectations of what they're going to learn."

—Dean Daryl Lund

"Dean Lund has shown thoughtful, diligent, and energetic leadership dedicated to engaging faculty and academic staff in shaping the future of the college, both within traditional academic disciplines and across new interdisciplinary structures," says H. Dean Sutphin, associate dean and director of academic programs, of the program characterization process as well as of the dean's second strong priority: concluding the undergraduate curriculum review process. When finished in May, it will be the most comprehensive review of its kind undertaken in the last 25 years—encompassing everything from college-wide requirements to specific curriculum requirements in each of the 18 programs of study.

The process began by the faculty and academic staff delineating 12 undergradu-

Message from the Dean

Alumni and Friends Have Helped Us Move Forward

This will be my final Message from the Dean to appear in *ALS News*. The next dean's column will be written by the new Ronald P. Lynch Dean of Agriculture and Life Sciences.

In my five years as your dean, I have had the opportunity to meet many of the alumni of this distinguished college. I am very proud to have represented the tradition and excellence of the New York State College of Agriculture and Life Sciences at Cornell University. One of the more enjoyable and gratifying activities associated with this important position is meeting with alumni and discussing the future of the college.

The article written by Metta Winter from an interview she conducted with me focuses on some of the accomplishments during my tenure as your dean that I view as significant. I am not going to reiterate those here in this column, but rather, I want to share with you some thoughts about the future of the college.

Many of you have heard me say that the level of distinction of this college and its programs is achieved through the generosity of alumni and friends of the college. During my tenure, the college has continued to enhance its undergraduate and graduate programs to educate students for tomorrow. We have continued to provide the best in-depth academic curricula. I am especially pleased that we are moving forward with the accreditation of the undergraduate business major. Educating people in business management and marketing with a strong understanding of the issues pertaining to agriculture, food sys-

tems, and natural resources and the environment is critically important, and we will be the first College of Agriculture and Life Sciences in the United States to offer an accredited undergraduate program with those general education requirements.

Among the more important programmatic areas that we have supported are genomics and biotechnology, especially related to the plant sciences, which is a traditional strength in this college; an enhanced relationship between the Boyce Thompson Institute and the USDA Plant, Soil, and Nutrition Laboratory and the college; a more integrated relationship between the departments at Geneva and those on the Ithaca campus; enhanced state support for the college through the Geneva Plan and the identification of the needs for enhanced state support through the Agriculture Initiative; and a renewed focus on rural, community, and economic development. Finally, we have sought to expand input into priorities for the college through a variety of mechanisms, including Statewide Program Committees and Academic Planning Councils. As Dawn and I prepare to take on some other activities, we want to thank you, the alumni and friends of the college, for your hospitality, understanding, and commitment. We wish you the very best for the future and for the future of the College of Agriculture and Life Sciences

Daryl Lund

Daryl Lund, the Ronald P. Lynch Dean of Agriculture and Life Sciences

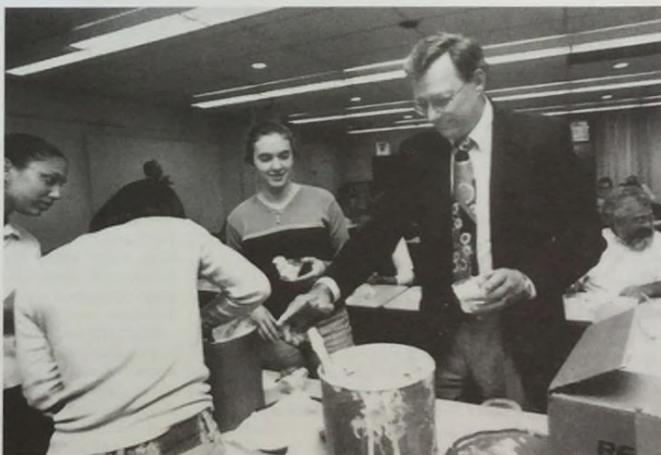


Photo by Nicola Kaurstovics

THE SCOOP ON STUDENTS: Dean Lund helped judge ice cream flavors developed by students for their final project in Food Science 101.

ate educational gains that all ALS students should have achieved by the time they receive their degrees.

When Lund arrived in 1995, what had not been done was to determine explicitly how to deliver those gains. For example, how can the college ensure that every student graduates with critical thinking and problem-solving skills? Should these be learned in one course or built into each major?

"The process is now close to completion and I am really proud of it," says Lund, who cited Sutphin's leadership and faculty and staff dedication in bringing the process to fruition. "It's going to serve the college well as the framework for our undergraduate program well into the new century."

In response to five years of declining state budgets, Dean Lund gave careful attention to ways in which he could

streamline the allocation process. He decided that the most appropriate way to manage college resources was to release to each of the deans (the associate dean for academic programs, the associate dean for research, and the associate dean for extension) the responsibility and accountability for allocating funds in each of their functional areas.

"Now we can rely upon each of these associate deans to make leadership decisions in their own areas of responsibility," Lund says. "It was a change that needed to happen and will serve the next dean when he or she comes into the office."

As a staunch believer in the critical role that agriculture plays in New York State's economy, Lund has maintained a strong

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Nature Comes to The Big Screen



Juliette of the Herbs is a biographical film of Juliette de Bairacly Levy, a pioneer in holistic veterinary medicine who gathered ancient herbal remedies from Gypsies and Bedouins.

Forests burn, beetles shoot noxious liquids, and rats claim New York City in some of the films showcased this year at Cornell's Environmental Film Festival.

"We had a good fire today," says the West African farmer in the film, *Second Nature*. He smiles directly into the camera, face grimy, torn T-shirt streaked with smoke. His voice resonates with a deep satisfaction that comes from a job well done. Meanwhile, viewers see slow-motion footage of giant palms ablaze against the sky, crashing to the forest floor. Soon all that's left of the once-lush vegetation is smoldering, ash-covered ground.

To the farmers of Kissidougou village in Guinea, this is where fertility begins, because the ash contains nutrients to fertilize their crops. Guinean forestry officials (and international aid agencies) look at the same scene and see something very different. They see vandalism—or worse yet, ignorant, irrational farming practices—that result in a crisis of deforestation. In alarm, they rush to send in aid and experts to address this threat to one of the world's most ecologically fragile areas.

The filmmakers, social anthropologists Melissa Leach and James Fairhead, saw with their own eyes that local farmers were conscientiously practicing their own system of sustainable agriculture.

The key lies in the Kissidougou knowledge of managing vegetation with fire. After a few years of cropping, the land is allowed

to revert to forest. Although farmers slash and burn vegetation on their croplands, they take great care to protect the land around the village against fire. At low population densities, this careful management of forest fallows and fire in the Kissidougou landscape has sustained adequate crop yields and facilitated the regeneration and expansion of forest vegetation. Unlike the Kissidougou farmers, however, most slash and burn farmers do not manage the forest vegetation and fallows and this results in rapid deforestation and land degradation.

Second Nature, a 40-minute documentary tells this story—one that has stunning implications for the way national and international environmental policy is formulated. And it leaves you with images of formally dressed elders sharing generations-old traditions that show how their relationship to nature is second nature to them. (As increases in crop productivity are required to keep pace with expanding populations, however, such traditional knowledge will need to be combined with improved crop varieties and management practices to sustain both the people and forests.)

The documentary does everything Christopher Riley, festival coordinator, set out to do when he chose *Second Nature* as one of 15 films to be included in the third annual Cornell Environmental Film Festival, held Oct. 22–28, 1999, on campus. The film festival is sponsored by the Center for the Environment, Cornell Cinema, and the Mario Einaudi Center for International Studies, and is open to the public.

"The whole idea is to get people who might not ordinarily think about the environment to do so in new and exciting ways," says Riley.

Take *Beetlemania*, the whimsically celebrative British documentary about the earth's most populous animal. (There are more than 290,000 identified kinds of beetles and an even greater number still unidentified.)

The man watching from the middle row of Willard Straight Theatre laughed as much as his 10-year-old son did. When the house lights came up, though, he got pretty serious, grilling Professor Thomas Eisner for a good half hour about the chemistry of the bombardier beetle which shoots spectacular bursts of hot, noxious liquid at attackers point blank. Eisner, the Jacob Gould Schurman Professor of Neurobiology and Behavior who is featured in the film, both introduced it and answered a bevy of audience questions afterward.

"We try to take it further than just opening people's eyes," Riley says of the discussions offered after every film. "It's a way to get people more involved in the film and its ideas."

In the case of *Second Nature*, the filmmakers recounted the origins of the documentary via live video feed from London. Afterwards, Erick Fernandes, a professor of tropical cropping systems in the

ancient medicinal remedies of these peoples and, in popularizing their ways through her books (among them the perennial best-seller *Herbal Handbook for Farm and Stable*), became a pioneer in holistic veterinary medicine.

Riley brings in as many filmmakers as he can, believing that it can be a powerful experience for viewers to meet these men and women, to see that they are "people just like the rest of us, yet they had the drive to go out and make a film about something that matters to them."

So it seemed for the crowd of viewers who asked Streeten, a freelance film editor based in the Hudson Valley, to tell how she managed to capture Juliette with such force and poignancy. Streeten said that Juliette, now 87, was a reluctant subject, hesitant to expose her solitary life, yet she was won over by the chance to speak of her beloved Gypsies. Streeten's extensive experience as an organic farmer, no doubt, helped.

"I told her I was an organic filmmaker in that I like to work with the material in a way that doesn't force anything," Streeten explained to the audience. When you let what happens happen, evolve in that way, then you can capture the true beauty."

One of the funniest films this year showcases life in New York City from the point of view of the city's rats. In the five boroughs, rats and people coexist in roughly equal numbers, so why not tell their side of the story?

Department of Crop and Soil Sciences, moderated a panel including agroforestry experts Stefan Cherry, Leslie Ackerman, and Louise Buck—all with extensive experience in Africa—who fielded questions from the more than 50 attendees.

Riley chooses the 15 films for the festival by looking at movies from around the world. There is always one that is a "Hollywood" product; this year's pick was famed director Robert H. Flaherty's *Louisiana Story*. There are plenty of documentaries. And for the kids, there are animated shorts featuring possums and frogs and even zoo animals in claymation. This year there also were rats.

Yes. Rats. One of the funniest films this year showcases life in New York City from the point of view of the city's rats. In the five boroughs, rats and people coexist in roughly equal numbers, so why not tell their side of the story?

Viewers reported feeling "creeped out" while at the same time oddly "empathic" toward the rigors of rodent life.

During the festival's seven days of afternoon and evening screenings, viewers roam the globe on celluloid: from Japan's mist-shrouded mountains to Europe's largest construction site in downtown Berlin; from the oil fields of western Siberia south to traditionally operated farms in India; and then northwest to the waters of the Great Whale River in Quebec's James Bay.

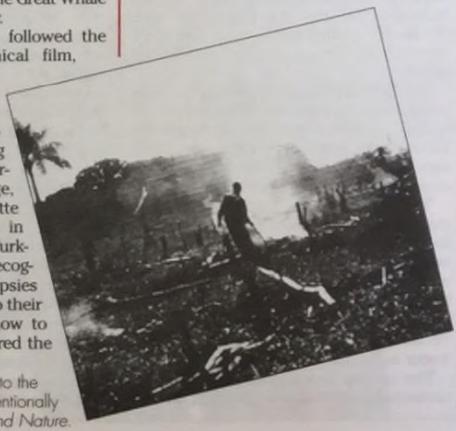
Filmmaker Tish Streeten followed the subject of her biographical film, *Juliette of the Herbs*, on and off for seven years through Greece, Spain, France, Portugal, Switzerland, England, and America. Weaving together photographs, interviews, and live footage, Streeten recounts how Juliette de Bairacly Levy, raised in Manchester, England, of Turkish and Egyptian parents, recognized that "it was the Gypsies and Bedouins living close to their animals who knew best how to care for them." Levy gathered the

By way of example, she told of strange coincidences: "accidental" meetings with key figures in Juliette's past who, because of their roaming ways, had seemed lost forever. For Streeten personally, the finest example of how "magic happens when you let it" occurred when she had finished shooting footage in Juliette's 11th garden in her new home in the Azores, 800 miles off the coast of Portugal.

Streeten needed to go home. She had had a long-held hope to sail the Atlantic, but when she inquired at the harbor she was told that June was the wrong time of year to go from east to west, that the boats had long ago left. Having reconciled herself to yet another cramped airplane seat, she was walking back to Juliette's when a stranger approached her, pointing out that there was one boat left down at the harbor and suggested she have a look.

"There she was, a 140-foot sailing boat making its maiden trans-Atlantic voyage," Streeten recalls. "The owner asked me on board, we had dinner, and at the end, he said, 'Why don't you come and sail with us, we're leaving tomorrow.' And so I did. The boat was called *Juliette*." (Affiliates of the Public Broadcasting System will be showing *Juliette of the Herbs* during pledge drives in 2000. Check your local listings.)

Melita Winter



A West African farmer tends to the smoldering remains of an intentionally set forest fire in the film *Second Nature*.

When Mark Tatum '91 was the Northeast regional sales manager for the Clorox Company, he thought it was wise to keep word of his next career move to himself. But he was wrong.

"I wish you had told me earlier," said the CEO of one of his broker sales organizations, when Tatum announced his plans to go into sports marketing. "My next door neighbor is the chief financial officer of the National Basketball Association. I'd be glad to make an introduction."

And he did. Which ultimately led to a little chat with the head of the NBA's human resources department.

At the time Tatum, just five years out of the business program in the Department of Agricultural, Resource, and Managerial Economics, had already sent his resume to all the professional sports teams and leagues in the country. He got nary a reply. So he was on his way to Harvard Business School with the hopes that more skills would give him that coveted way in.

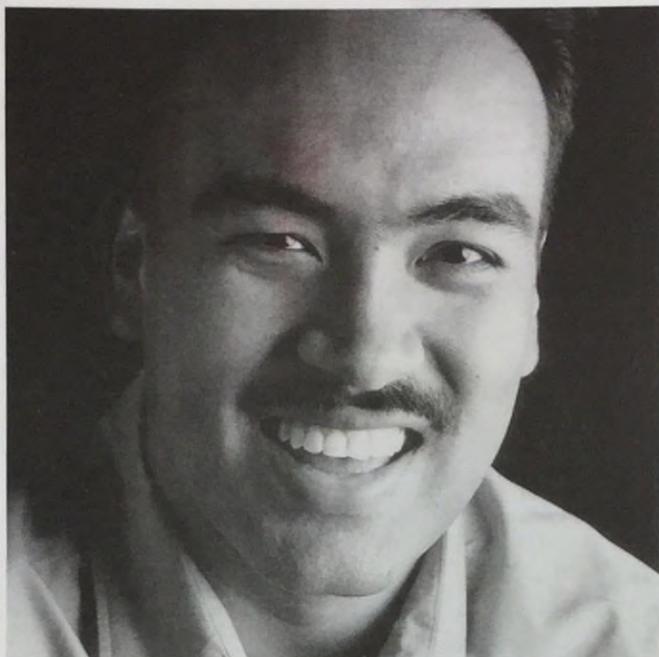
Out of the blue, three years later—a Harvard MBA and a year's experience in marketing for major league baseball in hand—the very same woman in human resources gave Tatum a call. And offered him his dream job, as director of Marketing Partnerships for the NBA.

He was at the right place at the right time when he was asked to create Procter and Gamble's promotions for one of the world's biggest sporting events, the 1994 World Cup soccer matches.

"When I was getting ready to leave Clorox I had no connections in the sports industry, but just by knowing where I wanted to go and communicating that set off a chain of events that led to where I am today," Tatum says of a philosophy that guides his life, imparting a quiet confidence that "things happen for a reason."

You might say it all began with a big crisis, halfway through his sophomore year at Cornell, which had its roots in his childhood.

Mark Tatum was born in the Vietnamese village of Vung Tau at the height of the war. "My mother who is Vietnamese and my father who was born in Jamaica had little opportunity for education," says Tatum of his parents who met during his father's tour in the U.S. Air Force. "Being a doctor was what they saw as the ultimate success." So while he was growing up in Brooklyn, Tatum always believed he would become a doctor.



BUSINESS GRAD SCORES IN NBA

Mark Tatum '91 netted his dream job as director of Marketing Partnerships for the NBA through a series of good moves and lucky breaks.

But his parents' dream bit the dust when Tatum slammed into organic chemistry. Guilty at letting them down, yet knowing full well he just didn't enjoy the premed courses, Tatum found himself without direction. So he used a strategy that seemed so obvious yet eludes many young people who seek his advice today: he went like gangbusters to the ALS Career Development Office to "use all the resources Cornell had available."

It was Tatum's enjoyment of people, his ability to analyze situations and develop solutions, and his appreciation of diverse cultures born of his own polyglot background that made business an obvious match. So he went to work for Procter and Gamble, convincing grocery store managers to increase the visibility of Bounty paper towels.

A mere two years and three promotions later, Tatum found he was at the right place at the right time when he was assigned a special project for the New York-New Jersey area: to create Procter and Gamble's promotions for one of the world's biggest sporting events, the 1994 World Cup soccer matches held throughout the United States.

"That's when I got it inside of me that this was what I really wanted to do," Tatum says of his epiphany. He had always had a passion for sports and was a two-time letter winner on the Cornell varsity baseball team. It wasn't long before his resumes hit the mailboxes. But that didn't do the trick. And so, while managing a \$100 million sales territory for Clorox, he applied to Harvard Business School, stating his career goals right in the admissions essay.

Today, Tatum, having cut his teeth on the other side, uses that intimate knowledge of the business goals of consumer products companies to design strategies that convince Coke, AT&T, American Express, and others to "utilize the assets of the NBA to drive their businesses." (These assets include the televised games, NBA.com, player appearances, tickets to special events, the NBA Store, and NBA City, a restaurant in Orlando, Florida.)

When he's not at work (a three-hour round-trip commute) and not asleep (five hours a night), Tatum is pursuing another passionate conviction: the importance of giving back in recompense for all the help he's had along the way.

He has served as vice president of the Cornell Black Alumni Association and has been active in the ALS Alumni Career Link program and the Cornell Alumni Admissions Ambassador Network. He recruits students and comes back to campus to give lectures.

For now, Tatum is a happy man. "I wake up every day and I can't believe I'm working for the NBA," he says.

Melita Winter

Dean Lund Shaped College's Future (continued from page 2)

working relationship with the agricultural community. Much to his pleasure, the Council of Agricultural Organizations has endorsed an Agriculture Initiative that requests additional state resources of more than \$25 million in part to enhance the faculty and academic staff resources devoted to the production agriculture sector.

The dean threw his wholehearted support behind expanding two programmatic areas. The first is the Cornell Genomics Initiative, in which the college has made significant investments in faculty lines, operating funds, and equipment.

"By genomics I mean functional genomics—not just sequencing genes but finding out what combination of genes dictate or influence a particular trait," Lund explains. "We have a longstanding strength in genomics, particularly plant genomics, and by getting in on the ground floor we will be sure that the college remains a world leader in the field."

The second is the accreditation of the undergraduate business program in the

Department of Agricultural, Resource, and Managerial Economics.

"When Andy Novakovic first approached me about this, I was convinced it was a very good thing to do," Lund recalls. "We have an excellent program that serves not only the college but the rest of the university as well. I'm very pleased with how the process is going."

In the area of endowment campaigns, Lund cites the success of the Mann Library Endowment Campaign and the Undergraduate Scholarship Endowment Campaign as particularly satisfying accomplishments that could never have happened, he's quick to point out, were it not for the generosity of alumni.

What's next? When the dean moves out of Roberts Hall, he'll join the faculty in the Department of Food Science. Once settled in Stocking Hall, a top priority is to update his textbook *Physical Methods of Food Preservation*, then to spend some time consulting overseas. Since the 1970s Dean Lund has been an adviser to the Agriculture University at Bogor in Indonesia. He's also

had requests for assistance from institutions in Australia and in Singapore.

"There is a major transformation going on and these institutions are looking to model themselves after American institutions of higher education," Lund explains. "There will be plenty of opportunities to participate in this."

In addition, the United States Agency for International Development has come out with a request for proposals on the development of the value-added sectors within less developed countries. Lund has offered to provide the Department of Food Science with leadership in becoming actively involved.

"It's been a long decade of deaning," says Lund, referring to his tenure here and at Rutgers, the State University of New Jersey, where he had been executive dean of agriculture and natural resources. "Now I'm looking forward to spending my time in some different ways."

Melita Winter

Search for the Next Dean

By mid-March, the nine-member search committee, now chaired by Provost-Elect Biddy Martin, had chosen six strong candidates for second-round on-campus interviews in its search for the college's twelfth dean. The announcement of the new dean is expected in May.

Committee members are as follows:

Patsy Brannon, dean, College of Human Ecology
Ralph Christy, professor, agricultural, resource, and managerial economics

Helene Dillard, professor, plant pathology, Geneva
Stephen Emlen, professor, neurobiology and behavior

David Galton, professor, animal science
Nelson Hairston, professor, ecology and evolutionary biology

Susan McCaugh, professor, plant breeding
Max Pfeiffer, professor, rural sociology

Nathan Rodgers '82, commissioner of NYS Department of Agriculture and Markets

Animal Instincts

Hypnotizing a chicken? Spraying boar pheromone in a classroom? Two professors use those techniques to teach students about the natural—and sometimes surprising—behaviors of farm animals.

Katherine Houpt doesn't hesitate for a second when asked what most captivates her students in the Farm Animal Behavior course.

"Hypnotizing a chicken!" she replies of her spellbinding demonstration of tonic immobility, which leaves the bird staring wide-eyed while remaining stock still on its back. (Students who want to try their hand at hen hypnosis are welcome to do so right after class.)

The aerosol can of boar pheromone gets students sitting up pretty straight too, especially when just one whiff is as powerfully attractive to most of the women as it is repellent to the men.

For the past decade Houpt, who is director of the Animal Behavior Clinic in the College of Veterinary Medicine, and Elizabeth Oltenacu, associate professor of animal science, have been surprising and amusing students. (Can you believe that pigs, like birds, build elaborate nests of grass and twigs to bear their young in? When provoked, pigs will ward off an attacker by barking like a dog.)

During 27 lectures, the two teachers challenge students' misconceptions and teach them the facts—all in the name of devising management systems for commercial livestock production that put the animals' welfare up front.

"Students come into this course caught up by the emotional arguments of animal rights activists," says Oltenacu of the 70 or so, mostly women, mostly animal science majors, who take the course each year. "As animal scientists they are the ones who are supposed to bring fact and reason to bear on these issues, to help others sort it out."

Oltenacu and Houpt teach students how cows, pigs, sheep, goats, and horses behave in a natural environment. Then they compare that to how the animals behave in highly structured, intensely managed environments where space is often restricted and stimulation scant.

Oltenacu and Houpt teach students how cows, pigs, sheep, goats, and horses behave in a natural environment. Then they compare that to how the animals behave in highly structured, intensely managed environments where space is often restricted and stimulation scant. The critical question becomes, How important, from the animal's point of view, is the difference?

That's why Houpt hypnotizes chickens—so students will know what a chicken scared out of its wits looks like. (When she turns the bird on its back and places her hand over its head, the chicken experiences this as being caught by a predator and "plays possum" to appear already dead.) Recognizing behaviors that indicate an animal is stressed is the first step in identifying improperly devised environments.

The course starts off with the basics of why, out of thousands of animal species, only a few have been successfully domesticated. The process began at least 15,000 years ago with dog and reindeer domestication. Sheep and goats began their relationship with humans soon after the last Ice Age (around 9,000 years ago). Then, when humans domesticated plants and started planting crops, cattle and swine found the cultivated fields easy pickings, thereby forcing people to figure out how to cooperate with them. (Draft animals like horses appeared on the scene later.)

"We can only live closely with species that have a similar type of social order, whose behaviors are compatible with

human behavior," Oltenacu points out. "Species like sheep and humans have stable social hierarchies that minimize fighting. In contrast, male deer fight, sometimes to the death, to hold breeding territories or to control access to females every breeding season. That's why we haven't domesticated most deer species even though many people enjoy their meat."

Houpt and Oltenacu devote more lectures to sex than any other topic, because reproduction is the name of the game in production agriculture.

One of the big questions is how to know when a female is fertile. At the point of ovulation, she will make her availability obvious, but with artificial insemination, there is no male around. So researchers asked what is it about the male that signals his interest, prompting the female to assume a posture of copulation? In the case of pigs, a boar's courting song is pretty good. A whiff of his testosterone-scented saliva—even when it comes from an aerosol can—works much better. (The video of just how well this works amazes students!)

"Animals don't use just body posture to signal sexual interest, but use a range of modalities including scent and sound and sight, often quite differently than people use them," says Houpt, who, years ago worked with the scientist who discovered the boar pheromone.

She accompanied Katy Payne, the bioacoustical researcher in Cornell's Lab of Ornithology who discovered that elephants communicate through infrasound (sound so low it is inaudible to human ears), when Payne tested bulls to see if they use it too. They don't, but to Payne's and Houpt's sur-

prise, calves use infrasound to communicate with their mothers.

"There has been an explosion of serious science being conducted in animal behavior," Oltenacu says of the endless stream of newly published papers she encourages students to read and critique.

Much of this new work explores how animals perceive their own environment and is aimed at teasing out what's important to them. What temperature does an animal prefer? Would it choose a more spacious pen over being with other animals? What about the surface they stand on or bedding materials they lie on? Reliable answers to questions like these are essential for improving animal well-being.

Students typically come into the class with strong opinions

about certain types of management systems. By reading original research, they realize that how they perceive a certain environment isn't necessarily the way the animal does. Nor are the animal's needs what they might think.

Take the controversy over confining pregnant mares to straight stalls for two weeks while their estrogen-rich urine is gathered as a source of hormone replacement therapies for post-menopausal women. People criticize the practice, assuming that horses are forced to stand up all this time and are deprived of sleep. Neither is the case. Horses can lie down in straight stalls when they want to. What's more, they don't sleep lying down for eight hours as people do, rather only about 45 minutes a night.

"So if you knew what a horse's normal behavior is, you wouldn't focus on sleep deprivation as a problematic aspect of this production system," says Houpt. "I would hope that anyone who came out of our class could either defend the system from the perspective of the animal's welfare or state very good reasons for changing it and precisely how."

Metta Winter

Do You Know?

- Different species live in different types of social groups: cattle naturally live in groups segregated by gender, while a single stallion prefers a harem of mares.
- Females typically produce the commercially valuable products whether they be milk or eggs or the young raised for meat. That's why farmers raise chickens rather than geese who pair bond—that is, breed with only one other animal. With species who pair bond, you have to keep an equal number of animals of both genders, not an economically viable option.
- Pheromones are a powerful means of communication. In mice, pheromones can block pregnancy by causing abortion if a strange male comes around; pigs emit them when alarmed.
- New research findings show that mares in heat are attracted to the vocalizations of stallions; bulls use the sight of cows mounting one another to recognize which are the receptive fertile females.
- Animals are a lot smarter than you might think. Chickens, for example, can learn complex tasks—pecking a knob three times to open a door, and turning left rather than right in a maze—if the reward is highly desirable, such as getting to a nest box to lay an egg.



PIG'S POINT OF VIEW: Oltenacu (left) and Houpt help students realize that they may perceive an environment differently than an animal does, and that the animal's needs may not be what they think.

Photo by Charles Harrington

Join Us for Reunion Breakfast on June 10, 2000!

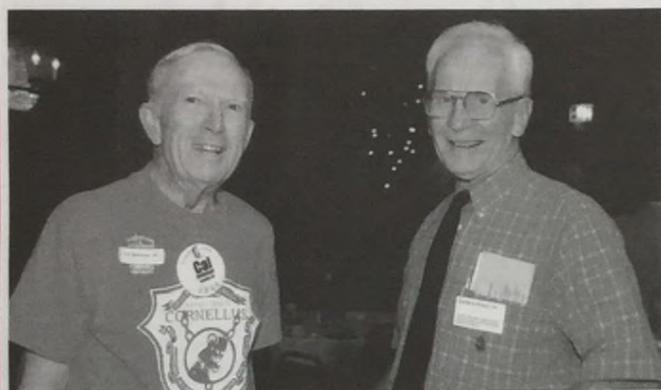


Photo by Frank DiMeo

SWAPPING STORIES: Classmates Calvin DeGolyer, Jr. '44 of Castile, N.Y., and Durland Weale '44 of Addison, N.Y., reminisce at Reunion Breakfast last year while attending their 55th Reunion. Weale serves as district director for Allegany and Steuben counties on the ALS Alumni Association board of directors.

Reunion Breakfast for ALS alumni and friends will take place on Saturday, June 10, 2000, at 7:30 a.m. **This year, the breakfast be held in Trillium dining hall in Kennedy Hall** (same location as the 1999 Outstanding Alumni Awards Banquet).

ALS Alumni Association President Dave Tetor '65 will preside over the morning's festivities as we say farewell to Dean Daryl Lund, who is ending his term as dean in August; recognize our retiring faculty; and receive the annual report of the ALS Alumni Association.

Space is always limited at this very popular event, so be sure to get your registration in early. We look forward to seeing you there!

Faculty retirees to be recognized this year:

William Arion—Nutritional Sciences
 Royal D. Colle PhD '67 A&S—Communication
 George J. Conneman BS '52, MS '55—Agricultural, Resource, & Managerial Economics
 Robert A. Corradino PhD '66 Vet Med—Physiology
 J. David Deshler—Education
 Charles Eckenrode—Entomology at Geneva
 Gene A. German MS '59, PhD '78—Agricultural, Resource, & Managerial Economics
 Robert W. Langhans MS '54, PhD '56 JGSM—Floriculture & Ornamental Horticulture
 Robert P. Martlock—Microbiology
 Dominick J. Paolillo, Jr. BS '58—Plant Biology
 William D. Pardee, PhD '60—Plant Breeding
 Thomas T. Poleman—Agricultural, Resource, & Managerial Economics
 Wayne A. Sinclair, PhD '62—Plant Pathology
 Maurice J. Tauber—Entomology
 William G. Tomek—Agricultural, Resource, & Managerial Economics
 Paul Yarbrough—Communication

Registrations are due by Friday, June 2, 2000

Registration Form

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

Registrations should be received no later than Friday, June 2, 2000.

A name tag will be given to each registered guest upon arrival at breakfast.

\$14.00 for members of the ALS Alumni Association and their guests.
 \$16.00 for nonmembers.

Name _____
 (Print exactly as to appear on name tag)

Class Year/Major _____

Address _____

City _____ State _____ Zip Code _____

Telephone _____

Reunion Year _____

Guests _____ Class _____
 _____ Class _____

Membership Expiration Date _____

Number of Registrations _____

Total Amount Enclosed \$ _____

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

VISA MasterCard Discover Card

Expiration Date _____ Account # _____

Signature of Cardholder _____

Mail to
 ALS Alumni Association, Cornell University, 276 Roberts Hall, Ithaca, NY 14853-5905,
 Fax: 607-254-4690 **Must be received no later than June 2, 2000.**

Hoffmann Named Director of Integrated Pest Management

Michael P. Hoffmann, associate professor of entomology, has been appointed as director of Cornell's New York State Integrated Pest Management (IPM) program. He succeeds the first director, James P. Tette, who has retired after 26 years in the position.

For a quarter century, the IPM program has educated and encouraged agricultural producers to grow crops and raise animals using environmentally sound methods that reduce or replace synthetic or organic pesticides. These techniques pose minimal risk to human health and maintain a supply of high-quality, safe, and economical foods for consumers, while providing growers with a reasonable return on their investment.

By 1996, under Tette's leadership, about 90 percent of the state's agricultural producers used at least one form of an IPM strategy.

As the new director, Hoffmann plans to carry on the program's mission. "While we continue to serve New York agriculture, the opportunities to address pest management issues for our nonagricultural clientele are almost unlimited," Hoffmann said. For example, educational efforts for IPM in the state's schools are already under way.

Dairy Judging Team Victorious

Cornell's dairy judging team was once again victorious at the 1999 World Dairy Expo in Madison, Wis., placing 4th against 27 university teams. Cornell has the highest winning percentage of the national contest, winning four national championships in the 1990s, with five winning individuals during this same period. Pictured 1r: Professor of Animal Science David Galton, coach; Tara Taylor '00, Bouckville, N.Y.; David Harvatine '00, Thompson, Pa., (highest individual score in the contest); Tim Ziemba '00, Weedsport, N.Y.; and Luke Johnson '00, Unadilla, N.Y.



Cornell Virgin Wool Blankets for Sale

Blankets created from the wool of Cornell Dorset and Finnsheep breeds and their crosses were made from the 1999 wool crop and are now available for purchase.

Cornell sheep are kept for evaluating management, health, and nutrition strategies to improve the efficiency of highly productive sheep systems. The Cornell Sheep Program aims to help farmers manage their flocks to sustain both profit and the environment and to improve the availability of locally grown lamb for consumers through efficient marketing strategies.

As part of the effort to derive added value from sheep flocks, raw wool from Cornell sheep was sent to MacAusland's Woollen Mill to be washed, carded, spun, dyed, and woven into blankets. This blanket is made from that wool with red stripes on a natural white background. Each blanket is individually serial-numbered.

Purchase of Cornell virgin wool blankets for \$78.70 + \$6.30 tax for a total of \$85 helps to support the Cornell Sheep Program and the Alumni Scholarship Program of the College of Agriculture and Life Sciences with a \$10 donation from the sale of each blanket.

Additional information about the Cornell Sheep Program can be found at our web site at www.ansci.cornell.edu/sheep/sheep.html. Orders for blankets can be placed by writing to Blanket Program, c/o Gloria Smith, Cornell University, 127 Morrison Hall, Ithaca, NY 14853-4801 or by phone (607-255-7712), fax (607-255-9829), or e-mail (gss9@cornell.edu).



www.ansci.cornell.edu/sheep/sheep.html

1930s

William C. Haynes PhD '35 of East Pointa, Ill., is retired and completing his third year at Riverview Retirement Facility.

Viola H. Miller Mullane '35 of Ithaca, N.Y., is working on her classmate's 65th reunion and is hoping to hear from fellow classmates. She enjoys traveling, gardening, and playing bridge.

Carl E. Widger '36 of Munroville, N.Y., has been retired since 1970 after teaching vocational agriculture at Stockbridge Valley Central School for 44 years.

1940s

Albert C. Waite '41 of Wilson, N.Y., retired in 1983 from SUNY Buffalo. He and his wife, Margaret, have nine children, 19 grandchildren, and three great-grandchildren.

Edwin W. Markham '42 of Batholdeghand, Wash., is a writer and photographer. He completed a trip to the Essex Germany area as travel leader early this year.

Kenneth W. Stone '42 of Batavia, N.Y., is a retired Cooperative Extension agent.

Laurence D. Gardner '40 of Bath, N.Y., is doing some financial farm consulting while keeping involved with "do-it-yourself" projects. He just finished years as treasurer of his country club and enjoys playing golf and travel.

Anne Farnham Conrad '43 of Boulder, Colo., is retired from teaching in Gowanda, N.Y. Central School after 23 years where she taught grades 2 and 4, then worked as a reading specialist in grades 7-12. She writes that Boulder is a great place for retirees but misses New York State and enjoys reading *Al's News*.

Charles H. Moseley '44 of De Ruyter, N.Y., is retired from Key Bank but stays volunteering in his community and participating in church activities. He and his wife, Gertrude, have three children (Hu, Lu, Lu). She has two daughters who are nurses, their son passed away in 1971.

John A. Weirich '45 of Avon, N.Y., has been retired from Eastman Kodak for 16 years. He continues with his hobbies and has two great grandchildren.

Glenn E. Maddy '49 of Helena, Ohio, was inducted into the Ohio Senior Citizens Hall of Fame and the Ohio Veterans Hall of Fame in 1999.

Sally W. Goldberg MA '71 of Miami, Fla., is president and founder of Parent-Child Kiss & Books. She started this business to help parents with the education and development of their children through books, kits, and workshops and focuses on the early years from birth to age five. She is also a member of the Cornell Club of Greater Miami and the Florida Key.

Alan A. Mapes '73 of Delmar, N.Y., has a son, Jeffrey '02, currently at Cornell.

Margaret A. Murphy '74 of Tully, N.Y., is the assistant director of the Agricultural Consultant in the office of New York State Senator Nancy Lorraine Hoffmann.

Kenneth C. Griffin MS '75 of Brandon, Miss., is the executive director for Pearl River Valley Water Supply and was recently elected to Fellow Grade with the Institute of Transportation Engineers. He also teaches wine appreciation courses at Millsaps College in the evenings.

James R. Sollecito '76 of Syracuse, N.Y., is still working in the landscape business with Sollecito Garden Center, which supports a staff of 22.

Dr. William E. Schweizer III '77 of New York, N.Y., is an assistant professor and an ophthalmologist at NYU School of Medicine. He and his wife, Alison, have 2-year-old twins, Noah and Elizabeth.

Dale H. Young MPS '77 of Hamball, N.Y., has a new career as a sales representative for Stokes Seeds after retiring from Cornell Cooperative Extension.

Herbert R. Runyon Jr. '78 of Hudson, N.Y., is a general agent for LifeLine Insurance Agency.

Frederick R. Frank '78 of Painted Post, N.Y., is president of Dr. Konstantin Frank Wine Cellars and the third generation in his family to operate the winery. The winery is flourishing with annual increases in sales and awards from the Roundtable World Competition in Albi, France, and the San Francisco Wine Competition. (All Cornellians receive a special alumni discount at the winery.)

David S. Perlin PhD '80 of Chappaqua, N.Y., is a scientific director for Public Health Research Institute. His field of specialty is infectious diseases. He and his wife, Amy (B.A. '80), have two children: Joshua, age 13, and Daniel, 10.

Ruthann H. Dalno '81 of Hamattan, N.Y., worked for various engineering, architecture, planning, and landscape architecture firms until 1992. She is currently working part-time as a substitute teacher. Married for 19 years to Bill Dalno, they have two children, Justin, 13, and Corbin, 10. Three years ago they built a new home on 58 acres of woodland, and Ruthann acted as general contractor.

Steve Perry '81, assistant principal for agriculture at John Bowe High School in Flushing, N.Y., reports on the dedication of the George Chrelin '41 Land Laboratory at John Bowe High School. This agricultural education and FFA program became a part of its kind in New York State, with many of its students' parents attending Cornell. A scholarship fund also has been established.

Dr. Don Phylitt '81 and **Dr. Bonnie Norton '81**, DVM '84 of Athens, Pa., after 10 years of marriage, have an addition to the Athens, Pa. After 10 years of marriage, they have two children, Kayla and Nerton. Three years ago they built a new home on 58 acres of woodland, and Ruthann acted as general contractor.

Gary R. Pollard '82, MAT '84 of Hudson, N.Y., is a commercial loan officer for Hudson River Bank and Trust Company. He and his wife have been married for 20 years and have two children: Jason, 14, and Beth, 12. Gary enjoys camping and hunting with his family.

James A. Bremer '84 of Highland, N.Y., is working toward a master's degree in science degree in Bard College's Graduate School of Environmental Studies Program and hoping to do his thesis on the ecological roles of ballhead in freshwater ecosystems in the Northeast. Bremer has been active in

the National Military Fish and Wildlife Association as a member of its board of directors and as the chair of its Herpetology Working Group.

Dr. Linda Kane Richter '84 of West Hartford, Conn., is back working part-time as a veterinarian and spending a lot of time with her infant son, Cody David. She has been married to Jesse Richter '87 since May 1996.

John D. Ten Hagen Jr. '86 of Rochester, N.Y., is a commercial loan officer for M&T Bank. He and his wife, Kelly Greg Ten Hagen '86, is an assistant professor at University of Rochester.

John E. Hammett III MS '87 of Rockaway, N.J., has joined Saint Peter's College in Jersey City, N.J., as assistant professor of mathematics. Previously, he spent 11 years as a faculty member and associate dean at Centenary College in Hackettstown, N.J. In 1997, he earned his EdD degree from Rutgers. He and his wife, Rosy Epling Hammett JD '87, have two children, Melissa and Jason.

Dr. William L. Perkins '88 of Delmar, N.Y., received his DVM in 1994 from Tufts University and is co-owner of New Baltimore Animal Hospital. He and his wife, Cheryl, have a daughter, Jessica Marie, born August 10, 1998.

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Roger J. Case '88 of Claverack, N.Y., is president of Diversified Soil Service Ltd.

Gregory J. Della Rocca '88 of St. Louis, Mo., has worked for 27 years as an extension educator for Cornell Cooperative Extension Niagara County. He and his wife, a systems analyst for HSBC Bank, have one child, Joel, age 16.

Paul E. Lehman '88 of North Tonawanda, N.Y., received his PhD in 1998 in biochemistry from Duke University and his MD in 1999 from Duke Medical School. He currently is an orthopedic surgery resident at Barnes-Jewish Hospital in St. Louis.

Elizabeth A. Fox-McManus '90 of Robbinsville, N.J., recently graduated with high school math after eight years to stay at home with her daughter, Kate, born May 1, 1998. She remains involved with Cornell as a member of Cornell Princeton Club, Class Council '96 and CAAAN, the Cornell Alumni Admissions Ambassadors Network.

Bridget A. Infante '90 of Transumbury, N.Y., is the president of Infinite Potential Inc., a toy design and manufacturing company, and is school/executive director of the Ithaca Montessori School.

Kirsten Johnston Barker '92 of Ann Arbor, Mich., works as a senior editor at H&S&S and gives birth to son Weston on March 13, 1999. She is active in CAAAN, the Cornell Alumni Admissions Ambassadors Network.

Louise A. Parke-Dabes '92 of Ithaca, N.Y., is a public relations director for Lamoine's Landing Wine Cellars, an award-winning Seneca Lake winery and works for a human society in Cortland, N.Y. She is looking for an older home in the Finger Lakes region in hopes of starting a bed and breakfast.

Dennis A. Shah '92 of Niagara Falls, N.Y., is a stay-at-home dad working on his PhD from Cornell's plant pathology department and is mentoring in biometrics.

Beth Goodman '93 of Stamford, Conn., is vice president at Fleet Bank N.Y. and married Jeff Goodman (MS '93) on April 4, 1998.

Julie A. Wojcik '93 of New York, N.Y., graduated from University of Chicago Business School last year and began working as an investment banking associate at J.P. Morgan & Company in September 1999. She was married in September.

Leigh Dwyer Geller '94 of New York, N.Y., married Jeffrey Geller '94 on May 22, 1999.

Dana B. Hagenford '94 of New City, N.Y., is pursuing an MBA at Kellogg Graduate School of Management and serving as a class officer.

Carrie E. Oliver '94 of Nashville, Tenn., is pursuing an MBA with a focus on electronic commerce at Owen Graduate School of Management at Vanderbilt and will graduate this May.

Sarah J. Pryputniewicz '94 of Quincy, Mass., left working in research labs at Boston University to become a high school biologist teacher at Foxboro Academy. She is a member of the Cornell Club of Boston and hopes to persuade some of her students to attend Cornell.

Patricia M. Daly '95 of Chicago, Ill., is an assistant business manager with Morton Salt. Her hobbies include photography and traveling.

Happy '95 of Bellevue, N.Y., works as a business analyst for Madison Group, a US Web/CIS company. She is also vice president of programming and active with CAAAN, the Cornell Alumni Admissions Ambassadors Network.

Danica J. Meredith '95 of Algonquin, N.M., is pursuing an MS through the Peace Corps Master International program at Colorado State University in the Department of Natural Resources, Recreation, and Tourism.

Dr. Marc D. Price '95 of Elmford, N.Y., graduated from New York College of Osteopathic Medicine in May 1999 and is currently employed as an intern at St. Barnabas Hospital in Bronx, N.Y.

Larissa Seidensohn '95 of New York, N.Y., is a consultant for Auderch Consulting.

Jack R. Clavay MPS '96 of Victor, N.Y., is a professor of business at Rochester Institute of Technology. He is active in his community, having served on the school board for nine years, and is an avid reader of books on his four children.

Yuri Igarashi '96 of Jackson Heights, N.Y., works as a veterinary research coordinator at Memorial Sloan-Kettering Cancer Center and Cornell Medical School in New York City.

Kim Koepke '96 of Oconomowoc, Wis., has a new job as a public relations associate with Morgan & Myers, a communications consulting firm in Jefferson, Wis. She works on public relations programs for Pharmacia & Upjohn Animal Health. Her husband, John Koepke '95, manages Koepke Farms Inc., a dairy operation with more than 300 head of milking cows. Focusing on herd genetics, he helped the herd achieve a 30,000 lb. rolling herd average.

Lisa M. Kubicki-Bedford '96 of Bremerton, Wash., works as a leadership program coordinator at Seattle University and was married in June 1999.

Vincent A. Lalli MS '96 of Seneca Falls, N.Y., was a career school teacher and curriculum coordinator at Phelps-Corbin Springs, N.Y., before becoming a graduate student at Cornell. He developed Horticulture Intergenerational Learning as Therapy (HILT) and implemented the program at Chase Memorial Nursing Home and will initiate the program at Soldiers & Sailors Hospital in Penn Yan, N.Y. Lalli has written *HILT Guide Book*, which was published by Cornell Media Services in May 1998.

Debby McVaughn '96 of Canandaigua, N.Y., is a pesticide control specialist for NYS Department of Environmental Conservation and is working toward an environmental engineering degree.

Sarah A. Yonder '96 of Depew, N.Y., is a third-year medical student at St. George University/Grenada. Presently she is in England during a surgical clinical rotation.

Kathleen Buckley '97 of Houston, Texas, is a second-year graduate student in the molecular genetics department at Baylor College of Medicine. She was married on March 25, 2000, to Randall Field '97 Eng.

Eugene O. Erickson MS '97, MA '99 of Lansing, N.Y., is looking for a permanent teaching position in middle school science. He is married with two daughters (24 and 17 years old) and enjoys fly fishing, gardening, and singing in his church choir.

Scott L. Regensten '97 of Somerville, Mass., is an associate project manager for Sapient Corporation, an e-business consulting firm, after spending a year teaching skiing in Vail, Colo., and taking several courses at the Johnson School.

Heidi V. Richter '97 of Lusaka, Zambia, extended her Peace Corps contract as a provincial coordinator and will now be finished in June 2000. She has remained involved in Cornell activities by serving on her Alumni Class Council.

Heather A. Abbott '98 of Bronx, N.Y., is a business development manager with Coca-Cola Enterprises.

Suzie Aryanarajah '98 of Buffalo, N.Y., is a second-year medical student at University of Buffalo School of Medicine and a volunteer for CAAAN, the Cornell Alumni Admissions Ambassadors Network.

Pietro Cipriano '98 of East Meadow, N.Y., spent a year abroad in Europe and is again working for his family's garden center.

Maria F. Guevara '98 of Rowlett, Texas, is in her second year of veterinary school at Texas A&M University.

Allison R. Hall '98 of Bradenton, Fla., is an office assistant in a law firm in Connecticut by CT Magazine. The family farm consists of 400 acres where strawberries, blueberries, pumpkins and Christmas trees are grown.

Susan E. Krippner '98 of Tooele, Utah, is the chief forecaster for testing at Dogway Proving Grounds for the government. She was recently married and has a baby on the way.

Michele Mangaracina '98 of Monterey, N.Y., enjoys ballroom dancing and swimming. Still unsure about her career path, she is now looking for a position as a research assistant in a biological field, especially neurobiology or behavior.

Adriano Manocchia '98 of New Rochelle, N.Y., is starting a master's in veterinary medicine and works as a lab technician for Cornell Veterinary Medical Center.

Kimberly A. McManus '98 of Highland Park, N.J., is working toward a master's in animal science at Rutgers University, after spending a year working as a zookeeper.

Matthew L. Myers '98 of Almond, N.Y., worked this past year for the Environmental Defense Fund on reef fish management in the Gulf of Mexico and air quality in the Paso del Norte region (El Paso/Cd. Juarez).

Timothy S. Perotti '98 of Richmond, N.Y., is a loan officer for First Pioneer Farm Credit, ACA, in Colerain, N.Y., and also works as the chairman of the Junior Advisory Committee for the New York Holstein Association.

Jennifer A. Sawzwell '98 of Brighton, Mass., is an administrative assistant for Liberty Funds Group, a finance company, and is attending school in the evening for a graduate certificate in graphic design at Massachusetts College of Art. She also participates in Cornell Club of Boston events.

Debra B. Sells '98 of New City, N.Y., is a second-year medical student at University of Buffalo School of Medicine.

Heather A. Thomas '98 of Westbrook, Maine, is completing a master's in animal science at University of California-Davis.

Caleb J. Torrice '98 of Oswego, N.Y., works as the central New York retail specialist for Cornell Cooperative Extension of Oswego County. He is also active in his family's fruit farm.

Michelle Tuorto '98 of Ann Arbor, Mich., will complete her master's in meteorology at the University of Michigan in April 2000 and hopes to become a lecturer in meteorology at the college level. She is still active in musical performance and is a member of the Big Red Band Alumni Association.

Laura B. Walman '98 of Lexington, Va., is a second-year law student at Washington and Lee University. Engaged to Jason Gardy '99, their wedding is set for November 18, 2000, and future plans include moving to Orlando, Fla.

Emily L. Weinstein '98 of Syosset, N.Y., is a consultant for KPMG and is a member of both the Cornell Club of New York and the Cornell Club of Washington.

Eliot S. Aonkar '99 of Irvington, N.Y., works as a distribution planner for Nabisco.

Courtney E. Armbruster '99 of Los Alamos, N.M., was the former editor of Cornellian '99 and graduated with distinction with a B.S. in communication and is currently seeking employment.

Lynn B. Benson MS '99 of Ithaca, N.Y., is a doctoral student in the education department at Cornell.

Elizabeth L. Bourke '99 of Orchard Park, N.Y., is enrolled as a first-year medical student at the University of Buffalo School of Medicine.

William J. Chudt '99 of New Rochelle, N.Y., is pleased to be attending law school at Cornell.

Jill A. Coughtry '99 of Chatham, N.J., is seeking employment in the field of blacksmithing or a natural resources field.

Janie L. Cole '99 of Valley Village, Calif., is an actress in Los Angeles.

Divra Aguirre Conde MS '91, PhD '96 of Ithaca, N.Y., was a nutrition major and just completed her PhD.

Keith R. Deenerstein '99 of Flushing, N.Y., is director of marketing at Loud Records/Steven Rivkin Company.

Daniel E. Dietrich MPS '99 of Greenwich, Conn., is an engineer at Malcolm Pirnie. He and his wife, Dana, had their first child in October 1999.

Mark M. Dittman '99 of Chicago, Ill., is an account executive for ZackCo.

Matthew Douzel '99 of Forest Hills, N.Y., is a paralegal with cooper & Dunham LLP, an intellectual property firm, and is a member of the Cornell Club of NYC.

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Pataki Announces \$1 Million for Genomics



Photo by Robert Barker

Gov. Pataki looks at slides in the Biotechnology Building's fermentation facility with President Hunter Rawlings, back right, and Dick Holsten, interim director of the Center for Advanced Technology in Biotechnology.

On a visit to campus this past fall, Governor George Pataki announced a \$1 million state grant for the Genomics Initiative, Cornell's interdisciplinary genetics research program.

"Cornell University is among the top research facilities in the world and a tremendous asset to the state," Pataki said. The \$1 million in funding will go toward the purchase of research equipment and to fund a study of the potential of creating a "genomics corridor" in the state. Pataki noted that the state also has increased its aid to Cornell's Theory Center, an important contributor to genomics research, every year since 1996, and now is supporting research into molecular processes that will lead to transformations in agriculture, medicine, and engineering.

President Hunter Rawlings thanked Pataki for his support, which Rawlings described as "vital." Pataki's support of the Theory Center was a major factor in the university being chosen by the U.S. Department of Agriculture in 1998 as the National Center for Bioinformatics and Comparative Genomics. Rawlings also said that the governor's pledge in 1999 of \$300,000 in matching funds was essential to Cornell's being chosen by the National Science Foundation as a Science and Technology Center in Nanobiotechnology.

"This partnership between the state and Cornell is one that works extraordinarily well and has great significance for the state's economic development," Rawlings said.

Calvo Receives Top Biology Teaching Award



TEACHERS' TEACHER: Calvo, second from left, and Peter Bruns, professor of genetics, third from left, help instruct high school teachers at the Cornell Institute for Biology Teachers summer program.

The National Association of Biology Teachers' 1999 Four-Year College and University Teaching Award has been conferred on Rita A. Calvo PhD '69, director of the Cornell Institute for Biology Teachers and a senior lecturer in molecular biology and genetics at Cornell.

The award for innovative teaching was presented Oct. 29 at the national meeting of the 7,500-member organization in Fort Worth, Texas, and includes a \$1,000 prize.

Since the Cornell Institute for Biology Teachers (CIBT) began in 1989, more than 250 teachers have completed a three-week summer program to update their knowledge and teaching skills in molecular biology. The teachers—mainly from upstate New York as well as from Boston, Cleveland, and Hartford—also learn some of 50 new laboratory exercises that are designed for high school classrooms and are developed in collaboration between teachers and university scientists. CIBT assists teachers with technology-intensive labs by running an equipment-lending library. In addition to teaching the new information and labs to their students, the teachers have trained dozens of other teachers.

Receiving the award, Calvo said she tries to serve "as a bridge between the world of a research university and the world of high school biology. Teaching human genetics to university undergraduates makes me keep up with this fast-moving field and lets me bring this updated information and excitement to high school teachers."

Roger Segelken

Faculty Obituaries

C. Arthur Bratton, professor emeritus of agricultural economics, died January 25, 2000, at age 85. He was the extension leader for his department for 20 years, working effectively to improve the quality and breadth of extension education in agricultural economics. Bratton was a leader in the college's farm records programs, and was the coordinator of the annual New York Economic Handbook—Agricultural Situation and Outlook. He also wrote more than 200 extension and research publications.

Robert F. Holland '36, MS '38, PhD '40, professor emeritus of food science, died January 16, 2000. He was 91. Holland's early research helped usher in the age of aseptic packaging of milk in the United States. He was the first scientist to bring a prototype Tetra Pak milk carton filling machine, the first in the nation, to Cornell's dairy plant in 1956. Another of Holland's major legacies was developing the dairy and food inspection training program for the New York State Department of Agriculture and Markets in 1963, which is still in place today.

Frank A. Lee, professor of food chemistry emeritus at the New York State Agricultural Experiment Station at Geneva, died on September 25, 1999. He was 98. Lee was a professor at the Geneva station from 1936 until his retirement in 1967. He was well known for his research on the chemistry of fruits and vegetables. He conducted pioneering research on frozen foods and developed much of the theoretical and practical knowledge used by the food industry for blanching fruits and vegetables.

Robert E. Lee BS '40, PhD '50, former professor in the Department of Floriculture and Ornamental Horticulture, died on July 27, 1999, at age 88. Lee contributed to an impressive number of scientific, popular, and extension publications on herbaceous plants. He was well known for the book *Contemporary Perennials* which he co-authored in 1960. He also directed the Lua Minns Memorial Garden. In Lee's memory, an endowment in support of a lecture on plant breeding and selection of landscape plants is being established. For details, contact Thomas Weiler, Chair, Dept. of Floriculture and Ornamental Horticulture, 17 Plant Science, 607-255-2048 or email: twc2@cornell.edu.

Carl C. Lowe MS '50, PhD '52, professor emeritus in the Department of Plant Breeding, died on November 29, 1999. He was 80 years old. Lowe specialized in breeding forage grasses and legumes. He participated in the development of popular varieties of alfalfa, timothy, and birdsfoot trefoil. He also developed refined applications of statistics in experimental design and in plant breeding research. Lowe worked with seed growers and seed industry leaders in developing programs to bring farmers the benefits of new varieties.

Nelson J. Shaulis, professor emeritus of viticulture at the New York State Agricultural Experiment Station at Geneva, died January 15, 2000, at the age of 86. Shaulis primarily spent his career researching the physiology of perennial fruit plants and peach trees at Penn State, and on grapes in New York, where his emphasis was on minerals and carbohydrate nutrition via soil and canopy management. His research and extension efforts on grapes have had a profound effect on the industry in New York State and throughout the world.

Samuel T. Slack, emeritus professor of animal science, died February 28, 2000, at age 81. He was responsible for the development of the extension dairy cattle feeding program and also worked in all phases of dairy husbandry. From 1973 to 1980 he was director of the Animal Science Teaching and Research Center. Slack taught dairy cattle judging courses and took the Cornell judging team on many successful trips to the Eastern States Exposition and National Intercollegiate contests.

Victor R. Stephen, professor emeritus of communication, died Feb. 1, 2000. He was 76. He came to Cornell as the first publications production manager for the College of Agriculture. He then was a staff artist at Penn State and the head of the Division of Visual Services at the University of Illinois' College of Agriculture. He returned to Cornell in 1968 as an associate professor of communication arts. The winner of several prizes for his paintings, Stephen showed his work in exhibitions around the Ithaca area.

Harold A. Willman, professor emeritus of animal science, died on July 14, 1999, at age 95. As a 4-H livestock specialist, Willman received recognition for meritorious service from many county 4-H clubs and other New York State organizations. His 4-H judging teams won national championships several times. After retiring from Cornell in 1964, he was active with the New York State 4-H Foundation and prepared teaching aids for youth group leaders, chief among them a horse judging series which is used across the country and internationally.

1999-2000
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vacant

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State Coordinator
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(800) 969-2251 O

Texas
vacant

Financial Statement

July 1, 1998 to June 30, 1999

Alumni Association of the College of Agriculture and Life Sciences
Statement of Revenues, Expenses, and Fund Balances

REVENUES (Accrual system started in 1992-93)

| | |
|---|--------------------|
| Membership Dues | |
| Two-year (Includes prorated dues from 97-98) | \$29,004.50 |
| Four-year (Includes prorated dues from 97-98) | 6,628.00 |
| Life | 11,565.00 |
| Alumni Association Sponsored Programs/College Support Gifts | 25,069.60 |
| Vic Stephen Prints | 178.00 |
| Julian Carter Memorial Fund for Ambassadors | 5,400.00 |
| Reimbursements | 1,098.20 |
| Life Member Long-Term Investment Pool Fund Interest | 8,580.00 |
| Life Member Short-Term Investment Pool Fund Interest | 6,983.00 |
| Miscellaneous | 0.00 |
| Carryover | -317.02 |
| Total Revenues | \$95,259.28 |

EXPENSES

| | |
|--|--------------------|
| Alumni Association Sponsored Programs—campus & regional | 32,342.14 |
| Alumni District Program Membership/Material Support | 13,610.32 |
| Boards/Committees/Conferences/Travel | 13,817.28 |
| Vic Stephen Prints | 216.35 |
| Student Awards/Ambassador Support | 5,800.00 |
| ALS News | 4,146.44 |
| Life Memberships—transferred to Life Member Reserve Fund | 11,565.00 |
| Miscellaneous | 725.66 |
| SUNY and CU Alumni Federation Dues/Travel | 1,945.18 |
| Life Member Interest-Supported Programs (Alumni Career Link, Open House) | 2,000.00 |
| Life Member Interest—Freshman Scholarships | 6,000.00 |
| Membership Benefits | 1,671.71 |
| Total Expenditures | \$93,840.08 |
| Year-End Balance | \$1,419.20 |

Composite Picture/Diploma Holder Project—2-year summary (not shown in operating budget report above).

| | |
|---------------|--------------------|
| Income | Expenses |
| 1997-98 | \$720.38 |
| 1998-99 | \$476,675 |
| Total: | \$45,404.25 |

Balances to date: \$4,005.22

SUMMARY OF ASSETS (As of June 30, 1999)

| | |
|--|------------|
| Charter Life Member Endowment (long-term investment pool) | 100,000.00 |
| Operating Account (Prorated dues for future year use plus composite) | 29,747.46 |
| Life Member Reserve Account (Short-term investment pool) | 151,225.90 |

aCharter life member endowment market value: \$237,265. Prorated a prorated Reserve Account includes 1986-1999 life memberships.

Total assets **\$280,973.36**

Mark Mastler '82, Chair, Audit Committee
A. Edward Slasch '88, Treasurer
In addition to the ALS Alumni Association, the College of Agriculture and Life Sciences supports alumni programs and activities through the Office of Alumni Affairs.



In the December 1999 issue of *ALS News*, we announced the successful completion of the Albert R. Mann Library Endowment Campaign. Gifts from the following new donors in the last several weeks of the campaign helped Mann exceed its \$4,000,000 endowment goal. Thanks to these generous donors, along with those listed in December, Mann will continue to be the leading academic library in the nation dedicated to advancing agriculture, the life sciences, and human ecology.

- Laura Call Andolina '78, MBA '86
- Robert C. Andolina MBA '86
- Muriel S. Bank
- Willow A. Chesley '93
- Jennie C. Chu '91
- Christopher Choppe
- Sheryl B. Church '89
- Jamie L. Craig '62
- Marjorie M. Devine PhD '67
- Mildred S. Duran
- Susan A. Ford '68
- Robert W. Head '61, MS '63
- Albert H. Hicks '62, MBA '63
- Neal F. Jensen PhD '42
- Barbara B. Kennedy MS '40*
- Samuel L. Leonard
- Janel Charles Iutz '57
- William E. Iutz '57
- Henry T. Murphy, Jr.
- Margaret C. Murphy
- Thomas P. Ringelb PhD '70
- Roberta B. Schwartz '68
- Thomas W. Scott
- Gertrude H. Smith '47
- Heidi Gebhardt Steves MFA '89
- Markus B. Stout '90
- Paula R. Stout '90
- Benjamin R. Stout '90
- Donald Deshambing '82
- Debra A. Schwartz '78
- Geckleyville
- Karen A. Erdosman '99
- William C. Fossil '86
- Colgate Park
- David R. Embury '86
- Howard W. Hruschka '37
- John W. Wyrong '33
- Columbia
- Julianne R. Hartman '79
- Arnold T. Helms '44

*Deceased

Iowa

- Ames
- Corbett
- Frank J. Woll '53
- Griffin
- Mary E. Darling '79
- Gregory K. Danabson '79
- Damascus
- Brian K. Trager '80
- Darlington
- Lee D. McDaniel '72
- Decorah
- Conor McGinn '99
- Elgin
- Mark P. Charlton '74
- Richard J. Haskin '81
- William J. Smith III '85
- Elvira City
- Ronald Komes '83
- Wanda R. Lappenschlager '99
- Fulton
- Ann V. Kirchner '76
- Fort Washington
- Mona A. Stamosova '95
- Frederick
- Joseph J. Davis '35
- Michael J. Turel '70
- Frederick
- Timothy L. Neigley '98
- Galusha
- Barbara K. Andresson '71
- Mary L. Berr '79
- David L. Hander '87
- Michael B. Roberts '99
- Glen Acre
- Jennifer A. McNeely '88
- Hagerston
- Robert F. Now '77
- Rebecca E. Seaward '95
- Hampstead
- Stevenson W. Chase, Jr. '71
- Hyessville
- Anna L. Rodriguez '96
- Arrowsville
- Maria I. Neuburger '83
- Kringsville
- Angela J. Seidel '58
- Leopold
- Rochey A. Brooks '75
- Donna A. Iannotti '81
- Ledy
- Cheryl T. Yasuda Berr '85
- Madison
- Elizabeth K. Bennett '82
- Montgomery Village
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Krause '99</p> <p>USA Susan B. Hattery '93</p> <p>USA Woodville Richard E. Bonason '62</p> <p>USA Victor J. Bonason '65</p> <p>USA John M. Blomson '95</p> <p>West Virginia Caldwell Robert J. Pison '75</p> <p>USA Kenny Theodore S. Artlip '93</p> <p>USA Marguerite Lisa M. Gargano '97</p> <p>USA Robert H. Maxwell '70</p> <p>USA Robert M. Scowles '94</p> <p>USA Shepherd Scott M. Takahashi '94</p> <p>USA Alison G. Kitchner '79</p> | <p>Wisconsin Bremer Dawn Steven M. Bonavita '98</p> <p>Wisconsin Brookfield John J. Frickler '71</p> <p>USA Debra James J. Verweyfeld '92</p> <p>USA Edna Linda K. Hubert '77</p> <p>USA Janice Linda A. Jones '86</p> <p>USA Jennifer Brian G. Barlasa '99</p> <p>USA Lodi Eileen L. Anderson '76</p> <p>USA William J. Dalrymple '76</p> <p>USA Madison Benjamin L. Allen '98</p> <p>USA Michael A. Broerich '89</p> <p>USA Paul E. Montalvo '89</p> <p>USA Janet L. Puntieri '97</p> <p>USA Anne J. Santman '96</p> <p>USA Alan C. Silver '93</p> <p>USA Megan Richard A. Brock '76</p> <p>USA Jennifer Shelly L. Staffen '98</p> <p>USA Sally Sara M. Carey '96</p> <p>USA Shawn L. Chen '89</p> <p>USA Carl H. Dierker '55</p> <p>USA Oconomowoc Kim A. Koepke '96</p> <p>USA Oregon Edward J. Tyler '67</p> <p>USA Birkenhead Layla N. Kader '98</p> <p>USA Hudson Rick A. Kress '73</p> <p>USA New Market Rebecca M. Canino '99</p> <p>USA North Vancouver Richard W. Dimesey '90</p> <p>USA Olatona Tracy J. Ward '87</p> <p>USA Rogers Jenna M. Dewar '98</p> <p>USA St. John's Jeff D. Oates '99</p> <p>USA Searsville E. P. Alleyne '90</p> <p>USA Haysville Harricharan '87</p> <p>USA Austin L. Bowman '85</p> <p>USA James H. Levering '87</p> <p>USA Sawco Caroleen G. Allen '74</p> <p>USA South Shogun Peter W. Wood '85</p> <p>USA Surrey Jill M. Hansen '98</p> <p>USA Zovaris Ed D. Mogil '99</p> <p>USA Zeno William A. Jenkins '47</p> <p>USA Gerald B. Smith '71</p> <p>USA Hil Carver Mallina Jankala '99</p> <p>USA Higginville Darrin R. Tymchyshyn '98</p> | <p>USA Wier Road Keith E. Frach '99</p> <p>USA Wilmont Amy F. Felke '91</p> <p>USA West Vancouver Mauro Inanni '92</p> <p>USA Weybridge Dennis P. Rucke '86</p> <p>USA James S. Townsend '95</p> <p>USA Elizabeth S. Tinsitt '87</p> <p>USA Woodbridge Jonathan D. Reeves '98</p> <p>USA Belmont Arlene W. Longue '47</p> <p>USA Daly Kyle W. Koopff '99</p> <p>USA Dunsmuir Tommy R. Rhodes '59</p> <p>USA Douglas Nancy A. Dillabough '99</p> <p>USA Franklin County Walter J. Curtis '91</p> <p>USA Grainey George W. Cumming '51</p> <p>USA Georg Douglas H. Gull '94</p> <p>USA Kincross Byron J. Wassonbeck '90</p> <p>USA London James I. Gerena '96</p> <p>USA Menick Aileen E. Merriam '60</p> <p>USA Oregon Substant F. Saave '99</p> <p>USA Newport James L. Johnson '95</p> <p>USA New Market Rebecca M. Canino '99</p> <p>USA North Vancouver Richard W. Dimesey '90</p> <p>USA Olatona Tracy J. Ward '87</p> <p>USA Rogers Jenna M. Dewar '98</p> <p>USA St. John's Jeff D. Oates '99</p> <p>USA Searsville E. P. 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Merriam '60</p> <p>USA Oregon Substant F. Saave '99</p> <p>USA Newport James L. Johnson '95</p> <p>USA New Market Rebecca M. Canino '99</p> <p>USA North Vancouver Richard W. Dimesey '90</p> <p>USA Olatona Tracy J. Ward '87</p> <p>USA Rogers Jenna M. Dewar '98</p> <p>USA St. John's Jeff D. Oates '99</p> <p>USA Searsville E. P. Alleyne '90</p> <p>USA Haysville Harricharan '87</p> <p>USA Austin L. Bowman '85</p> <p>USA James H. Levering '87</p> <p>USA Sawco Caroleen G. Allen '74</p> <p>USA South Shogun Peter W. Wood '85</p> <p>USA Surrey Jill M. Hansen '98</p> <p>USA Zovaris Ed D. Mogil '99</p> <p>USA Zeno William A. Jenkins '47</p> <p>USA Gerald B. Smith '71</p> <p>USA Hil Carver Mallina Jankala '99</p> <p>USA Higginville Darrin R. Tymchyshyn '98</p> | <p>Peru Lima Maria M. Scurrah '73</p> <p>Philippines Leangon Isabelle Schlaepf '89</p> <p>USA Zeno David M. Simon '87</p> <p>Thailand Jatupark Chutwongse '97</p> <p>USA Jack Kao '99</p> <p>Thailand Thanyon Warabharua '95</p> <p>Taiwan Taipei Chen Chang '96</p> <p>USA Fong Yee Yuen '99</p> <p>USA Benjamin M. Schwall '90</p> <p>USA Crazy Mates '98</p> <p>USA John S. Gossau '64</p> <p>USA Emanuel S. Graham '98</p> <p>USA Aron Cheryl Ann G. Ng '95</p> | <p>Sri Lanka Colombo Rudolph Barker '53</p> <p>Switzerland Leangon Isabelle Schlaepf '89</p> <p>USA Zeno David M. Simon '87</p> <p>Thailand Jatupark Chutwongse '97</p> <p>USA Jack Kao '99</p> <p>Thailand Thanyon Warabharua '95</p> <p>Taiwan Taipei Chen Chang '96</p> <p>USA Fong Yee Yuen '99</p> <p>USA Benjamin M. Schwall '90</p> <p>USA Crazy Mates '98</p> <p>USA John S. Gossau '64</p> <p>USA Emanuel S. Graham '98</p> <p>USA Aron Cheryl Ann G. Ng '95</p> | <p>West Indies St. Vincent Sylvester T. Lynch '89</p> <p>Zimbabwe Mazoe Robert E. Armstrong '97</p> <p>USA Sandra S. Armstrong '95</p> <p>Bad Addresses Katherine S. Abner '94</p> <p>USA Dina A. '98</p> <p>USA Berry Baskinoff '67</p> <p>USA Peter J. Brown '98</p> <p>USA Scott F. Minard '99</p> <p>USA Lito L. Lolo '96</p> <p>USA Michelle L. DeLoe '98</p> <p>USA Robert A. Elliott '97</p> <p>USA William E. Ellsworth '92</p> <p>USA Jennifer S. Cato '95</p> <p>USA Richard W. Fitts '99</p> <p>USA James H. Hart '94</p> <p>USA Gerald G. Prael '99</p> <p>USA James H. Hart '94</p> <p>USA Daniel J. Hagan '91</p> <p>USA Blair G. Harding '97</p> <p>USA Janice C. Hart '97</p> <p>USA Mary-Lee H. Hone '93</p> <p>USA Robert J. Hordman '98</p> <p>USA Ruthie Kastner '97</p> | <p>USA Leonardo Katz '89</p> <p>USA Teresa Kawa</p> <p>USA John C. King '78</p> <p>USA Nancy J. Killion '81</p> <p>USA Allen D. Kofsky '73</p> <p>USA Kathy W. Kuney '98</p> <p>USA Carl A. Lacombe '92</p> <p>USA Michelle A. LaFollette '97</p> <p>USA Jennifer A. Landers '97</p> <p>USA Kath M. Lee '76</p> <p>USA Brian W. Lester '97</p> <p>USA Hermon Lovelock '89</p> <p>USA Christine C. Lovitt '81</p> <p>USA Thomas J. Matthews '82</p> <p>USA Martin M. McKeown '89</p> <p>USA George L. Mowbray '74</p> <p>USA Robert E. Minard '99</p> <p>USA Ethan M. Orangel '97</p> <p>USA Joseph N. Oswald '96</p> <p>USA Santiago Osorio '79</p> <p>USA Elizabeth M. Padden '99</p> <p>USA Stephen A. Pennington '89</p> <p>USA Deborah Schwartz '98</p> <p>USA David J. Sullivan '98</p> <p>USA Tanya B. Thomas '96</p> <p>USA Judith Tompkins '99</p> <p>USA Paul Smolkin '88</p> <p>USA Tara A. Warner '93</p> <p>USA William J. Wendler '98</p> | <p>Decosed Lisa V. Berger '42</p> <p>USA Charles I. Bowman '27</p> <p>USA Robert J. Browne '94</p> <p>USA Kurt L. Brown '88</p> <p>USA Michael J. Browne '95</p> <p>USA Stephen G. Burrill '96</p> <p>USA Jean A. Carpenter '61</p> <p>USA John H. Conroy '42</p> <p>USA Margaret D. Corbett '99</p> <p>USA Sally S. De Groot '59</p> <p>USA John H. Erdman '81</p> <p>USA Norman H. Evans '32</p> <p>USA Charles J. Gindoff '50</p> <p>USA Robert S. Jost '74</p> <p>USA William C. Jolly '94</p> <p>USA Richard J. Matthews '52</p> <p>USA Ethan M. Orangel '97</p> <p>USA William L. Reilly '76</p> <p>USA John S. Nease '45</p> <p>USA William J. Tolson '81</p> <p>USA John H. Trushoff '37</p> <p>USA Arthur E. Underwood '41</p> <p>USA Wallace E. Washburn '55</p> <p>USA Edward Wisock '46</p> |
|--|---|--|---|--|--|---|---|---|

A few reasons why you should join the ALS Alumni Association

Fun things to do with fellow members
Spring Dinner/Speaker events
Dean-Alumni Get-togethers
Summer picnics
Alumni get-togethers before hockey and basketball games
Dinner cruises
Faculty presentations
Apple picking
Networking with alumni
Keeping abreast of research, technology, and new developments

Savings on
Motel and car rentals
Registration fees for ALS alumni events

Free services
Mann Library card
Connection with classmates
Cornell ALS decals
Name listed on the annual ALS Alumni Association membership roster
ALS Alumni Career Link

Benefits to the college
Student scholarships
Rural school student recruitment
Imparting information on the reputation and value of the college to prospective students, decision makers, and the general public

And being an important part of a supportive alumni organization

ALS ALUMNI ASSOCIATION MEMBERSHIP

Name _____

Class year/s _____

Street _____

City _____

State _____ Zip _____

Telephone number _____

County _____

Biographical notes (Use separate sheet of paper if necessary)

Dues:
2000 graduate (fee waived) at \$0
Graduated in last 5 years at \$20 (2-year)
2-year membership at \$29
 Spouse at \$21
4-year membership at \$54
 Spouse at \$38
Lifetime Membership at \$350
 Spouse at \$245

First installment on my Lifetime Membership at \$125 per year for 3 years
 First installment on my spouse's Lifetime Membership at \$88 per year for 3 years

Please make your check payable to the ALS Alumni Association or pay with a credit card:
 Discover Card MasterCard VISA

Expiration Date _____
Account # _____
Signature of cardholder _____
Mail to: Office of Alumni Affairs
276 Roberts Hall
Ithaca, NY 14853-5905

Gift Membership to the ALS Alumni Association of the College of Agriculture and Life Sciences at Cornell University

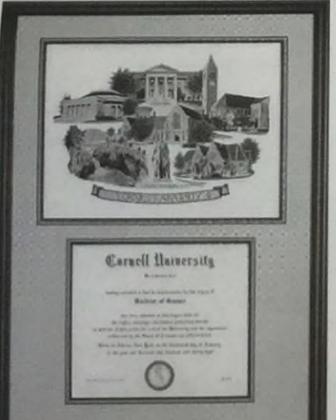
To _____

From _____

Display Your Diploma Proudly

The ALS Alumni Association is proud to present this distinctive artwork of nationally known artist Robin Laundersdorf.

Carefully researched and meticulously drawn, this highly detailed pencil drawing of Cornell University captures the historic significance and the unique beauty of our campus. It depicts Goldwin Smith Hall, Bailey Auditorium, Willard Straight Hall, McGraw Tower, Uris Library, Beebe Lake Falls, Sage Chapel, and the Ezra Cornell Statue.



Framed Diploma Holder—\$169

- reproduced on the finest quality, acid-free, 100 percent rag museum paper
- framed with museum-quality mats and a mahogany frame
- unconditionally guaranteed

Partial proceeds will provide endowment funds for scholarship aid for ALS students and support other student and alumni projects.

The artwork is available in two forms: a 19" x 25" limited edition signed and numbered print, limited to 500 prints, and a 14" x 19" print. Both sizes are available framed and unframed. The smaller print has also been uniquely framed as a diploma holder.

- Consider these benefits of our diploma holder:
- A great college remembrance
 - An excellent way to protect, preserve, and display your diploma
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 - To easily insert your own diploma so there is no need to send it

To receive a full-color brochure or to place an order please call
Cornell Alumni Artwork
1-800-336-5923

Scenic Prints of Cornell & Ithaca



A Perfect Gift
The college's alumni association is offering 10" x 13" and 15" x 17" color reproductions of four oil paintings by Victor R. Stephen, former professor 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:

- | | | |
|--|--------------------------------|--------------------------------|
| <input type="checkbox"/> Taughanock Falls—Winter Morning | 10" x 13" prints at \$10 each. | 15" x 17" prints at \$20 each. |
| <input type="checkbox"/> Libe Slope—Spring Evening | prints at \$10 each. | prints at \$20 each. |
| <input type="checkbox"/> Beebe Lake Bridge—Summer Night | prints at \$10 each. | prints at \$20 each. |
| <input type="checkbox"/> Cascadilla Gorge—Fall Afternoon | prints at \$10 each. | prints at \$20 each. |
| <input type="checkbox"/> The Four Season Set | prints all for \$35. | all prints for \$70. |
- Alumni Assn. members, \$30 (10" x 13") or \$60 (15" x 17") a set. My membership expires: _____

Please add \$5 for delivery outside continental United States. Enclose check or money order payable to ALS Alumni Association.

Mail to ALS Alumni Association, Cornell University, 276 Roberts Hall, Ithaca, NY 14853-5905.

Name _____

Address _____

City _____ State/Country _____ Zip _____

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

ALS NEWS

Agriculture and Life Sciences

May 2000

POLITICAL POLLS IN JEOPARDY

Random polls, which survey a tiny fraction of people, are projecting the outcomes of elections with amazing veracity. But polling's success may be short-lived because more and more people are refusing to respond.

With just six months to go before the presidential election, political pollsters are raking in the dough. And earning their bragging rights. Although only about 1500 of the more than 200 million Americans of voting age are called for each of the many polls leading up to national elections, polls conducted shortly before elections that ask people how they are likely to vote are very accurate—usually within two percentage points of the real outcome.

"National political elections are some of the few instances where there is a true outcome to evaluate the veracity of the poll against," notes professor Ronald Ostman, chair of the Department of Communication. "The goal is to call it right." Nevertheless, most of us are skeptical about polling, finding it tough to believe that national opinions or behaviors can be projected from what are essentially tiny numbers of people. One of the keys is random selection, whereby sophisticated computer programs assist in



(continued on page 11)



Dean Lund Steps Down



Films Focus on Environment



Animal Behavior Surprises Students



Come to Reunion Breakfast June 10



CORNELL UNIVERSITY

Alumni Affairs and Development
College of Agriculture and Life Sciences
Cornell University
276 Roberts Hall
Ithaca, New York 14853-5905

Dated Material
May 2000

April 24
Dean-Alumni GetTogether for Monroe, Ontario, and Wayne counties. For details, contact Pete Gardner '57 at (716) 359-2944.

May 9
Dean-Alumni GetTogether for Rockland, Westchester, and Putnam counties. For details, contact April Moulart '91 at (914) 348-9492.

May 25
Senior/Grad BBQ for ALS seniors and grad students, Ag Quad, 5 p.m. For details, contact Tim Oank '86, ALS Alumni Affairs Office at (607) 255-7651 or e-mail tjo7@cornell.edu.

May 28
Commencement

June 3
IRA Regatta in Camden, N.J. Join other Cornellians from southern New Jersey and Philadelphia in support of the Cornell crew team, at Cooper River Park, as it competes in this major rowing event. Contact Tomako Moringa '89 at (301) 907-0806 or e-mail tm58@cornell.edu for more information.

June 8-11
Reunion Weekend

June 10
ALS Alumni Association Reunion Breakfast, 7:30 a.m., Trillium dining room in Kennedy Hall. See the announcement and reservation form on page 6.

July 30
Summer Picnic at Tinker Nature Park, Pittsford, N.Y., for Monroe, Ontario, and Wayne counties. Contact Pete Gardner '57 at (716) 359-2944 for details.

August 8-10
Empire Farm Days, Rodman Lott Farm, 2 miles south of Seneca Falls, N.Y., on Route 414. ALS Alumni Association reception, Wednesday, August 9, from 2:00 to 3:30 p.m.

August 12
Summer send-off for the Class of 2004 from Saratoga, Warren, and Washington counties at the Saratoga County 4H training center. Contact Mike Valla '76 at (518) 584-4215 or e-mail at toothhead@aal.com for more information.

September 22-24
Homecoming Weekend
Cornell vs. Yale football game

October 13
Outstanding Alumni Awards Banquet, Statler Ballroom, Statler Hotel, Cornell. Contact Linda Wyllie at (607) 255-7651 or e-mail llw8@cornell.edu.

Calendar 2000

