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INSIDE ESF

*The magazine of the SUNY
College of Environmental Science and Forestry*





Inside ESF is published four times each year for alumni and friends of the SUNY College of Environmental Science and Forestry.

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ON THE COVER

Old Glory flies on Marshall Hall, in remembrance of the World Trade Center and Pentagon attacks Sept. 11. Photograph by Wendy P. Osborne.

The State University of New York College of Environmental Science and Forestry offers a diverse range of accredited programs and degree options in chemistry, construction management and wood products engineering, environmental and forest biology, environmental resources and forest engineering, environmental studies, forest resources management, forest technology, landscape architecture, and paper science and engineering.

The College's mission is to be a world leader in instruction, research, and public service related to: understanding the structure and function of the world's ecosystems; developing, managing,

and using renewable natural resources; improving outdoor environments ranging from wilderness, to managed forests, to urban landscapes; and maintaining and enhancing biological diversity, environmental quality, and resource options. As such, ESF has maintained its unique status within SUNY's 64-campus system as one of only five specialized colleges and one of only eight doctoral-granting institutions.

ESF takes affirmative action to provide equal opportunity for all people and to build a campus community that reflects a wealth of diversity.

Printed on recycled paper.

A Message of Appreciation and Pride

by Cornelius B. Murphy, Jr.



ESF's candlelight vigil on the quad Sept. 12, 2001.

The tragic events of Sept. 11 touched us all and have forever changed the lives of both the American people and our friends throughout the world. What has not changed, however, is the indomitable spirit of the ESF community.

As we began to understand the enormity of the situation that Tuesday morning, we all experienced feelings of helplessness and a strong sense that we should be doing something. While many of us were frustrated by the fact that there was not a great deal we could do at that time to ease the suffering and assist with cleanup efforts, we came together as a community to help one another deal with this attack on our nation.

As soon as we became aware of the events on Sept. 11, our first concerns were for our students, many of whom have family and friends in the New York City and Washington, D.C., areas. Campus staff mobilized quickly to set up a gathering place for students in Alumni Lounge. Televisions were set up and telephone lines were activated to allow students to try to contact family members. Food was brought in, faculty and staff volunteered to be on site, and information on available counseling services was distributed. Approximately 70 students, transported in ESF vans with volunteer drivers, went to the Red Cross to donate blood.

As Wednesday dawned and we began to understand the extent of the damage and loss of life, undergraduate and graduate students and staff worked closely together to plan a candlelight vigil that was held on the ESF quad at 4 p.m. Following the vigil, which was attended by hundreds and broadcast on a local television station, we kept one candle lighted. It was this ESF candle that was used to light the first candle in the Syracuse University service that began at 8 p.m. Also on Wednesday, other students and employees donated blood, and an intranet Web site was set up to allow students to express their thoughts about the tragedy.

On Thursday, a national day of prayer and remembrance, banners were placed at our campus entryway to honor the victims. The banners simply read: "September 11, 2001 — In Remembrance." In addition, members of our Physical Plant staff hung American flags at numerous locations on campus.

We will continue to look for ways to provide assistance and demonstrate our concern, and we will probably also continue to be frustrated by the limitations on what we can do at this time to truly make a difference. I have encouraged the entire college community to join our student groups to support the relief efforts. These include the United Way 9-11 Emergency Relief Fund,

the International Association of Fire Fighters Relief Fund, the GC2 Gymnastics Food Drive for Rescue Workers and the American Red Cross blood drives.

Our Undergraduate and Graduate Student associations are exploring ways to create a living memorial for victims and their families here on the ESF campus. They also want to help support a living memorial in New York and Washington.

In times like these it is extremely difficult to answer the question "Why?" Why did this happen? Why did it happen here...why did it happen now? The answer may never be found, or understood. We must find in this tragedy examples of heroism, selflessness, compassion and goodness. We must find them and they need to be the beacon for our future. The extraordinary examples of courage and compassion exhibited by the police, firefighters, EMTs and the scores of courageous volunteers need to fill the vacuum left by the question: WHY?

We are blessed on this campus to have a community which has exhibited its own quiet courage.

I want to thank each individual who volunteered to help during these dreadful days. I'd like to list all of the names, but there are so many that it would be impossible. However, I want to make sure that you all understand how proud I am to be associated with such an extraordinary group of people. When I came to ESF last year, I knew that this was a very special place with very special people. With this experience, you proved to me just how special you are.

In the days to come, the spirit of our community will likely be tested in as-yet-unknown ways. I am confident that we will rise to the challenge. I ask that you take care of yourselves and take care of each other.

Murphy is president of ESF.

ESF Ranked Among Nation's Top Universities



ESF was ranked among the nation's top universities in *U.S. News and World Report's* annual list of America's best colleges.

The college was also ranked as an exceptional value in education among 250 undergraduate institutions that grant doctoral degrees. This is the first time *U.S. News and World Report* has invited ESF to be a part of the survey.

College President Cornelius B. Murphy, Jr. called the ranking 'extraordinary.'

"To be listed as the 39th top public, national, doctoral-granting university is a wonderful thing for ESF," Murphy said. "For ESF to be tied with Clemson in that ranking is a reaffirmation of what we already knew to be true."

Murphy said the ranking would help the college dramatically in its efforts to recruit high-caliber students and obtain research funding.

"It will help our students because the institution from which they graduate is publicly recognized for its excellence," he said.

Murphy, who took over leadership of the college in May 2000, credited his predecessors for setting the stage for the college's success.

"The college has been operating at this level of quality for a long time," he said. In the magazine's survey, ESF was compared with the institutions in the category of national universities that grant doctoral degrees.

Here's how ESF fared:

- #39 among top public national universities (tied with Clemson, Arizona, Kansas, and Pittsburgh).
- #50 in the list of best values (tied with Brandeis, Marquette, Illinois at Urbana-Champaign and Missouri at Rolla).
- #11 in the list of universities having the highest proportion of classes with fewer than 20 students (tied with Pepperdine, the University of Pennsylvania and Vanderbilt).
- #62 among universities with the lowest acceptance rates, indicating a more selective admissions process. ESF is listed at 57 percent, along with the Georgia Institute of Technology, the University of California at Irvine and the University of Missouri at St. Louis.
- #57 among universities with the highest graduation rates.

Overall, ESF was ranked as a Tier 2 university, a category that also includes Auburn, Boston, Florida State, Iowa State, Michigan State and Purdue universities.

The other SUNY campuses in Tier 2 are the university centers at Albany, Binghamton, Buffalo and Stony Brook. Other universities in New York included in Tier 2 are Clarkson, Fordham and Syracuse.



A sculpture of a tree greets visitors to the new Baker foyer.

Baker Phase I Nears Completion

The first phase of the Baker Laboratory renovation project is on schedule to be completed this fall, said Brian D. Boothroyd, facilities program coordinator for ESF's Physical Plant.

ESF began the renovation in March 2000 as part of a five-year capital plan. The project is expected to be completed in three phases over several years, in part to allow the building to continue to be used for classes and research.

Phase I, with an estimated construction cost of \$9.3 million, rehabilitated Baker's first-floor one-story (west) wing to house laboratory and office space for the Faculty of Construction Management and Wood Products Engineering.

It also contains two lecture halls, seating 131 and 84 people respectively, and a 32-seat classroom, filling a critical campuswide need for medium-sized classroom and lecture facilities. Each of these instructional spaces are "smart classrooms," outfitted with the latest instructional technology, said Boothroyd, and the 84-seat lecture hall also is equipped for distance-learning applications.

The wing also houses three temporary classrooms for Academic Computing and

temporary equipment repair shops for the college's Analytical and Technical Services unit. Phases II and III of the Baker Lab renovation will focus on the building's four-story section. Phase II, expected to be bid early in 2002, will rehabilitate the building shell and include the installation of new mechanical service towers, replacement of the exterior wall system and creation of a new main entrance and atrium.

Phase III is expected to renovate the building's interior to create permanent facilities for Academic Computing, the Faculty of Construction Management and Wood Products Engineering, the Faculty of Environmental Resources and Forest Engineering, and Analytical and Technical Services.

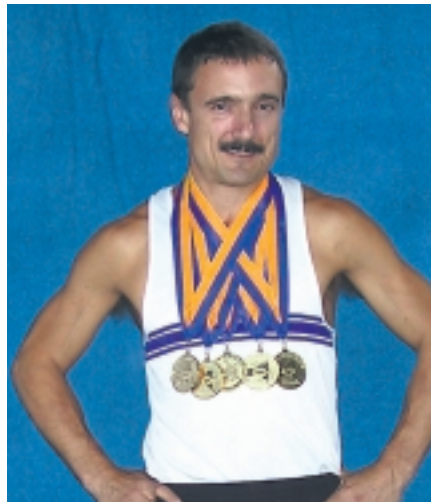
Originally dedicated in 1957 as a wood products research facility, the rehabilitated Baker Laboratory is envisioned as a state-of-the-art engineering technology center for ESF.

Golden Oldie

ESF Associate Professor Russell D. Briggs toted home six medals — five of them gold — from the Empire State Games gymnastics competition this past summer.

Competing in the masters division for men over 40, Briggs won gold medals in the floor, still rings, vault, high bar and all-around events. He won a bronze in the parallel bars competition.

Russ Briggs



Briggs took up gymnastics three years ago, inspired by his daughter Ariel, a sixth grader who is ranked as a Level 8 competitive gymnast.

"I was taking her to practice and I asked her coaches to show me how to do some of the things," Briggs said. "It became an obsession. When I'm not at work, I'm at gymnastics up to three hours a day."

Briggs works out with the Syracuse University men's gymnastic club and coaches at the gym where his daughter trains.

Albany International Chairman Honored for Excellence in Management

Francis L. McKone, former chairman of Albany International Corp., has been awarded the 2001 Herman Louis Joachim Award for Excellence in Management. The award has been given annually since 1991 by ESF and the Syracuse Pulp and Paper Foundation (SPPF).

McKone joined Albany International in 1964 in a technical capacity and worked his way up through the ranks, becoming chairman and CEO in 1998. He retired from that position earlier this year, but continues to serve on the company's board of directors.

During his tenure with Albany International, the company became a leader in supplying new technologies to the paper industry. Albany International is a global manufacturer of technologically sophisticated, structured materials supplied to the pulp and paper industry and other process industries. It is the world's largest producer of custom-engineered fabrics consumed in paper production.

The annual Joachim award honors a senior executive from the paper industry or an allied field whose career reflects management principles, entrepreneurial skills, and exemplary leadership. The award was presented to McKone during the annual meeting of the Syracuse Pulp and Paper Foundation, Oct. 11 at the Carousel Center Skydeck in Syracuse.



The intersection of routes 690 and 81 divides Syracuse's city center from the University Hill.

CCDR to Help City Develop Comprehensive Plan

ESF's Council for Community Design Research (CCDR) will spend the next 30 months helping the City of Syracuse develop a comprehensive plan aimed at guiding development, encouraging investment, securing additional state and federal funds, and better integrating the city center with its neighborhoods.

Emanuel J. Carter, Jr., associate professor, leads a group of five members of the Faculty of Landscape Architecture that includes George W. Curry, Cheryl S. Doble, Maria Ignatieva, and S. Scott Shannon who will conduct the technical work in support of the plan. The faculty researchers will work with the city's Department of Community Development and the Syracuse/Onondaga County Planning Agency to complete the work.

According to Carter, the group's first task will be to work with city departments preparing a series of three planning forums this fall for various city constituent groups to review the planning process and hear from leaders of other cities where a comprehensive plan has worked successfully. Other tasks on the agenda for this first year of the project include developing a framework to make the plan sustainable, a review of past community design studies,

a study of open space in the city and completion of an open space plan, and studies of Syracuse's neighborhoods.

Some of the efforts will be incorporated as part of landscape architecture's Graduate Urban Design Studio.

Subsequent work will include additional community forums, and development and review of the comprehensive plan.

Syracuse hasn't had a comprehensive development plan since 1919.

The Council for Community Design Research was created last year to formalize the Faculty of Landscape Architecture's public service, outreach and research efforts with communities across New York.

Whaley Honored with Pinchot Medallion

Former President Ross S. Whaley was presented with the Pinchot Medallion by the Pinchot Institute for Conservation during weekend ceremonies celebrating the reopening of the Grey Towers National Historic Landmark.

The Pinchot Medallion, one of the most prestigious conservation honors in the United States, is presented to distinguished leaders in natural resource conservation who have made significant contributions to the understanding and thinking about natural resource issues. The Medallion is the highest award given by the Institute.

Whaley, a resident of Syracuse, was ESF president from 1984 to 2000. He



served on the board of directors of the Pinchot Institute from 1988-99 and was chairman in 1992. Whaley is a SUNY University Professor and holds an appointment in ESF's Faculty of Forestry where he teaches courses in environmental science.

The Pinchot Institute for Conservation is a nonprofit natural resource policy, research and education organization dedicated to leadership in conservation through policy and action.

Two Appointments Focus on Outreach and Student Life

President Cornelius B. Murphy, Jr. named two longtime ESF staff members to positions as associate deans.

Dr. Julie Rawls White was appointed associate dean of student life and experiential learning. In her new role, White will develop and coordinate a service-learning curriculum for ESF students. The effort began this fall with the Youth Mentoring Program at Syracuse's Shea Middle School (see page 13 of this issue).

White also will be responsible for formulating and implementing an academic advising and retention program, overseeing ESF's learning community initiatives, and supervising student programs and activities.

White joined the college staff in 1993 as coordinator of student activities and organizations. In 1995 she was named director of Student Activities.

Dr. Charles M. Spuches was named associate dean of educational outreach, instructional quality improvement and



Julie Rawls White

Dennis LeMaster, chairman of the board of the Pinchot Institute, with Ross Whaley.

instructional technology. Spuches will hold a leadership role in developing, coordinating and promoting the college's educational outreach services and ESF-school-community linkages.



Charles M. Spuches

He also will oversee ESF's instructional quality and instructional technology efforts.

Spuches joined the college faculty in 1987 as coordinator of instructional development. Most recently, he held the position of director of

Instructional Development, Evaluation and Services.

ESF Leads Center for Brown-field Studies

ESF leads a consortium of SUNY institutions developing a brownfield site as the State University of New York Brownfield Center. At the new center students will learn how to clean up and redevelop abandoned and contaminated industrial sites.

New York Gov. George Pataki announced plans for a state-of-the-art brownfield remediation training and research center at a press conference June 27 in Utica, N.Y. The center is planned for the heavily polluted Harbor Point area north of Utica along the Mohawk River.

The center will provide training, education and research related to the remediation, restoration and redevelopment of brownfield sites.

"The new SUNY center represents an exciting and unique opportunity for the Mohawk Valley and New York state," Pataki said.

Niagara Mohawk Power Corporation now owns the 142-acre site and has called it the largest contaminated manufactured gas site in the country. The utility is a partner in

the effort to develop the remediation training and research center and has announced a six-year, \$35 million cleanup effort for the Harbor Point site.

In addition to ESF, the Institute of Technology at Utica/Rome, the Mohawk Valley and Herkimer County community colleges, and the College of Technology at Morrisville are the other SUNY institutions participating in the project.

ESF President Cornelius B. Murphy, Jr. chairs the consortium's executive board. Murphy was instrumental in early work with Niagara Mohawk to develop the concept for the remediation training and research center.

Douglas J. Daley, who chairs the consortium's academic board, envisions the center as a proactive clearinghouse creating networks of scientists, engineers and planners across the state to address specific research and training needs as they arise. Daley is an assistant professor in ESF's Faculty of Environmental Resources and Forest Engineering.

Daley expects the academic directors to identify five courses that will be taught at the participating campuses next semester, and to develop a series of workshops that will be offered beginning in the spring. The center eventually will offer certificate and training programs, Daley said.

"Harbor Point presents us with an ideal opportunity to teach about the complexities of brownfield remediation while also demonstrating firsthand how communities can turn an unusable parcel of land into an economic asset," said state Sen. Ray Meier (R-Utica), who helped secure state funds for the project.

SUNY Morrisville Names Building for ESF Alumna and Husband

The Laboratory/Classroom Building at the SUNY College of Technology at Morrisville has been renamed Crawford



Shirley A. and Jack R. Crawford

Hall in honor of Dr. Shirley A. Crawford, who received her doctorate from ESF in 1975, and her husband, Jack.

The Crawfords, who live in Canastota, N.Y., were recognized for their contributions to SUNY Morrisville, where they have funded scholarships and contributed hours in support of service efforts, and to the community, where they have served on various boards and community organizations.

Shirley Crawford, who received her degree in water resources from ESF, joined the Morrisville faculty in 1973. In 1980 she received the SUNY Chancellor's Award for Excellence in Teaching, and, in 1991, she was named a SUNY Distinguished Teaching Professor. She was chair of the college's faculty governance body.

Jack Crawford, a retired U.S. Air Force officer, joined the Morrisville staff in 1980. He has worked in both the budget and telecommunications offices. He was instrumental in establishing the SUNY Morrisville Children's Center. The SUNY Board of Trustees approved the motion to rename Crawford Hall at its February meeting.

Developing Students



and Citizens

by Karen B. Moore

High school science teachers crawl through the forest acting as salamanders coping with forest fragmentation.

City youths stand knee-deep in Onondaga Lake pulling in trap nets and documenting the fish caught.

In DeRuyter, students study the effects a farm has on a nearby stream.

At Pack Forest, a "town meeting" is being held to discuss re-introducing wolves into an area.

These are all examples of ESF's continuing effort to make the environmental sciences accessible and enjoyable. Educational outreach knows no limits in age, background or ability. The college offers a variety of programs that target a diverse range of interests and abilities in the sciences.

Educational outreach is a year-round venture. During the academic year, the college engages high school students through a program called ESF in the High School.

Qualified high school students take Global Environment (EFB 120) and Writing and the Environment (CLL 190). According to Dr. Charles M. Spuches, associate dean, the program enables participating high school students to experience college-level coursework firsthand; visit the ESF campus; meet and consult with the college faculty, staff, and students; use the college library and other facilities; and earn college credit while still in high school.

Skaneateles, Marcellus and DeRuyter high schools are currently participating in the program. Cayuga-Onondaga BOCES' New Vision program and Beaver River High School (Beaver Falls, N.Y.) have recently joined, and Spuches expects the program to soon move into more area schools.

An important dimension of ESF's renewed and expanding educational outreach efforts includes the addition of Dr. Richard Beal as an educational outreach associate. In this role, Beal will work with Spuches and other colleagues to expand and strengthen the ESF in the High School program and related educational outreach initiatives.

College President Cornelius B. Murphy, Jr. has great expectations for the program as it is mutually beneficial for the college and participating schools, teachers and students.

This fall, DeRuyter science teacher Tom Hennigan began his third year participating in the ESF in the High School program and feels it's a valuable addition for his students.

During the course of the semester, students get an overview of global environmental problems, current rates of global change, and the potential impact. The course provides a comprehensive view of the environment and surrounding issues. Not only do students do class work and take field trips, said Hennigan, but the coursework has also generated some lively debates. The course requires students to undertake a research project and Hennigan said many opt to conduct original research of issues that directly affect them.

One group of students worked with ESF faculty to find out how agricultural runoff affected a nearby stream, and another studied the amount of food thrown out by the school and how it related to larger issues of world hunger.

Russell Smith was one of the students who studied the stream and said he appreciated the opportunity to get college experience and a taste for college-level classes. "DeRuyter is a small school so there are not a lot of opportunities for advanced placement or college-level classes," he said. "This let me have that opportunity." Smith is currently a sophomore majoring in environmental and forest biology at ESF.

Students aren't the only ones who benefit from ESF in the High School. To qualify as an instructor, teachers must earn an appointment as an ESF adjunct instructor. As a result, they are able to participate in college faculty

development programs and activities, and work with college professors and educational specialists. ESF in the High School is only one piece of a larger educational outreach vision.

During the summer, the college coordinates a number of programs designed to allow youths to experience their environment as never before. The Summer 2001 Environmental Awareness Program transformed Onondaga County into a big classroom for one week in June.

The program, aimed at high school students from metropolitan areas, is designed for teens with varying scientific backgrounds ranging from those that love science to those that just plain don't like it, according to Dr. Carmen McCoy Harrison, director of multicultural outreach at ESF.

The program balances hands-on activities with lectures, presentations and educational games all aimed at drawing the students into the environmental sciences.

The hands-on activities are often the most popular. During a fish seining workshop on Onondaga Lake, the youths were eager to jump in and get their feet wet — or at least their waders — and share what they learned with each other.

As part of ESF in the High School, students have the opportunity to participate in a Field Experience Weekend at the college's Adirondack Ecological Center in Newcomb, N.Y.





Hands-on learning about the ecology of Onondaga Lake was a component of the Environmental Awareness Program.

As the fish were being pulled in, Taleasha Bellany called to her fellow campers, “Who wants to see something cool? We have a 20-pound carp!”

Bellany, 12, a student at Clary Middle School in Syracuse, said the program fits perfectly with her future career aspirations. “I love science. When I’m older I want to help find ways to clean the lake and help animals get their environment back.”

The students also bring their own exuberance and humor to the experience. As a group walks awkwardly out to the nets, one girl sings out loud, “Wade in the water. Wade in the water, children,” causing some to stumble as they laugh.

Syracuse’s Armory Square was the backdrop used by landscape architecture faculty as professors George W. Curry and Emanuel J. Carter, Jr. led tours and gave lectures about urban restoration and sustainable cities respectively. For local students, the information caused them to look at their hometown differently.

“I knew this was a historic area,” said Kinyotta Walker, 16, of Syracuse. “I’ve been living in Syracuse my whole life, but I’ve never seen some of the stuff I saw today.”

The program not only exposes the kids to their environment in new ways, but also opens a world of possibilities for their futures. New York City resident Jennifer Medina, 17, said her experience has made her consider her surroundings from a different perspective.

Michael Best, 17, was also experiencing his first year at camp and is looking at a possible future at ESF. With an interest in teaching math and science, Best said he is considering attending ESF. The Queens native said he prefers a more naturalist-based approach to environ-

mental science as opposed to the technical approach taken by his high school courses. “If I do teach environmental science, this is the type I want to teach.”

The Environmental Awareness Program not only serves the campers, but the college as well. The away-from-home experience is a first for many participants. “This is the first time they might be living in a residence hall, going to the dining hall, living with strangers. They learn what it’s like to experience freedom and learn how to make decisions regarding time management,” said Harrison.

Up until this moment, the kids may not have thought about the possibility of going away to college. “We hope to open their eyes about the possibilities that exist for them,” said Harrison.

In only its second year, the program has generated results for the campus. Of last year’s 55 attendees, three are enrolled as freshmen for this fall.

“We try to have a variety of activities to attract a wide range of students,” said Harrison. “We don’t want to limit it to those with a strong interest. We purposely want a wide array of students to attend.”

“One of the great things about the program is taking city kids who have very limited experience and giving them the opportunity to be in the forest, out in the environment doing some things they never thought they would do. You can see the light in their eyes that says, ‘I can’t believe I’m doing this!’” she said.

The college also uses the program to recruit students from diverse cultural/ethnic backgrounds to the environmental sciences, according to Myrna Hall, assistant professor of environmental studies and coordinator of the Urban Initiative, a program to generate interest among

*"I knew this was a historic area,"
said Kinyotta Walker, 16, of Syracuse.*

*"I've been living in Syracuse my
whole life, but I've never seen
some of the stuff I saw today."*

urban students for studying environmental science. Hall was responsible for coordinating the two days of urban events for the campers. They then spent a few days at ESF's Adirondack Ecological Center in Newcomb.

Among the white pines of the college's Charles Lathrop Pack Demonstration Forest in Warrensburg, the NYS Department of Environmental Conservation (DEC) operates its popular summer camp. Teens between the ages of 15 and 17 attend the camp for hands-on study of conservation and natural resource topics.

While the camp is run by the DEC, an ESF alum, Luke Cartin, serves as director for the Warrensburg program. Cartin, a 2001 environmental studies/informational technologies graduate, is enthusiastic about the role he and ESF play.

"With 2,500 acres of demonstration forest we can explain what's going on with the research and I can pull information I learned from my classes," he said.

Like the Environmental Awareness Program, the DEC camp attracts kids with varied interests in the environment. "We have inner city kids who have never been in the woods and kids who are very interested in the environment," he said.

Cartin related the story of Joe, a teen from the Bronx who came to the camp at the insistence of his parole officer. When Joe arrived he sported gang colors and some attitude. By the end of the week, Cartin said, Joe loved it and said he doesn't care what he has to do to come back. "I told him not to do anything drastic — we would find him scholarship money."

The campers immerse themselves in a variety of activities — there are the traditional activities such as hiking and canoeing (all of which are coupled with lessons in environmental awareness). Then there are the discussions of environmental issues that are making headlines such as biogenetics, vehicle emissions, and global warming. "We give the kids all the sides of the issue — from the environmental to the business side — and let them form their own opinions. Our goal is to teach, not preach," said Cartin.

This critical thinking comes into play later in the week when campers participate in a simulated town

meeting. The teens play the various roles in the meeting. A recent simulation centered on reintroducing wolves into the area. Some campers represented the Defenders of Wildlife while others played the role of cattle owners. "We show them all sides of the issue and they have to argue the side they're given," said Cartin.

For some, the camp is such an enjoyable experience that they volunteer to work at the camp so they can participate in the camp activities. The Vols, as they are called, give two weeks of service to the camp — often pulling kitchen duty — and according to these dedicated campers, it's a fair trade.

"I was always interested in the environment," said Katie Folts, 16, of Broadalbin, N.Y., and the camp furthered her interest. That interest may have sprung from another form of ESF educational outreach. Her father, Tom, is an ESF alum and her sister Michelle currently attends the college. Folts said she likes the intensity of the program as everyone shares a common interest.

George W. Curry, distinguished teaching professor in the Faculty of Landscape Architecture, conducts an on-site lecture of the history of Syracuse's Armory Square for the Environmental Awareness Program.





Teachers see things from the salamander's point of view as part of Stalking Science Education in the Adirondacks.

Debbie Visco, 17, of Huntington, N.Y., a camper for two years and a Vol for one, credits the camp with getting her interested in environmental science. Visco is now considering ESF to continue to pursue her interests in the natural sciences.

Her feelings are echoed by fellow Vol Elizabeth Baker. "Each year when I come here I learn so many things. Everyone is so enthusiastic and it's inspiring," said Baker of Tivoli, N.Y. "Camp really got me into environmental science and now I'm looking at colleges for it."

Whereas the DEC camp works to inspire the next generation of teachers and environmentalists, ESF offers a program to re-energize and inspire those already teaching.

Stalking Science Education in the Adirondacks teaches the teacher how to make science more exciting for the students. The program has a number of objectives according to D. Andrew Saunders, research associate in the Faculty of Environmental and Forest Biology. The program has multiple objectives, including rekindling the passion for teaching, exploring critical conservation education themes, and topics such as forest fragmentation; instilling an appreciation for the state's natural resources; and providing participants a network of 350 colleagues around the state that share similar interests and career objectives.

The program is exclusively hands on for teachers. Participants learn firsthand a process for taking their students

from primary field observations to student-designed, field-based inquiry. The process culminates with interpretive presentations encompassing computer skills like the software program PowerPoint. This year nationally recognized singer, storyteller and author Doug Elliot provided the week's closing event.

Stalking Science focuses on the works of naturalists such as John Burroughs. Saunders said the program is "a very thoughtful, integrated presentation of philosophy and methods of the great naturalists that are used to inspire the science teachers."

This year's session was the most successful to date. "The program is now the jewel in the crown of the Roosevelt Wild Life Station's Stalking Science series of educational efforts," Saunders said.

A highlight of the 2001 session was the presence of guest English naturalist and science educator Angus Westgarth-Smith. "It added an important and enjoyable dimension to the program," said Saunders.

Also this year, some returning teachers shared how they integrated the Stalking Science principles into their lessons. The teachers come away from the program re-energized and convey their newfound excitement to their students — again, completing the cycle of educational outreach.

The Stalking Science program in its own way is inter-generational. This year's program included the added dimension of graduate students who are part of

"It added a wonderful dimension to the program," said Saunders, "mixing the idealism of young professionals with the practiced perspective... of experienced classroom veterans."

ESF's environmental/interpretation program. "It added a wonderful dimension to the program," said Saunders, "mixing the idealism of young professionals with the practiced perspective, indeed, even humor, of experienced classroom veterans."

"The experienced teachers like being around our students," he said.

This fall, ESF introduced its newest educational outreach initiative — ESF Service Learning/Youth Mentoring Program at Shea Middle School.

Linked with the Syracuse 20/20 initiative, a Chamber of Commerce leadership group, the ESF Service Learning/Youth Mentoring Program encourages Shea Middle School students to recognize their full potential through relationships and experiences with ESF students enrolled in a special section of an upper-division writing course that combines service learning with academic pursuits (Writing for Environmental Professionals).

Because a number of ESF students go on to be teachers, the mentoring program is seen as a good way to expose them to one of the age groups they could be teaching.

The course is the first foray into service learning for the college. College students serve as both mentors and tutors to the Shea students. Also planned are field trips, visits to the college and one-on-one relationships.

Shea principal David Cecile is excited about the relationship. The partnership offers a variety of possibilities for the middle school students. Cecile hopes to involve the ESF students in the science classes in particular the seventh and eighth grades. "These kids are making a lot of decisions about their futures," he said. Decisions regarding high school majors are made in the eighth grade.

"We want to expose them to things they may not have had before," Cecile said, "and build interest in the sciences." Another advantage of the student-student relationships is the interaction with positive adult role models.

The program is seen as beneficial to all parties involved. "The Shea students will get exposure to college life and support from ESF students," said Benette A. Tiffault, Writing Center instructor, "and the ESF students will develop as citizens. It also looks great on their resume."

High school and college students provide a different perspective to Stalking Science Education in the Adirondacks.

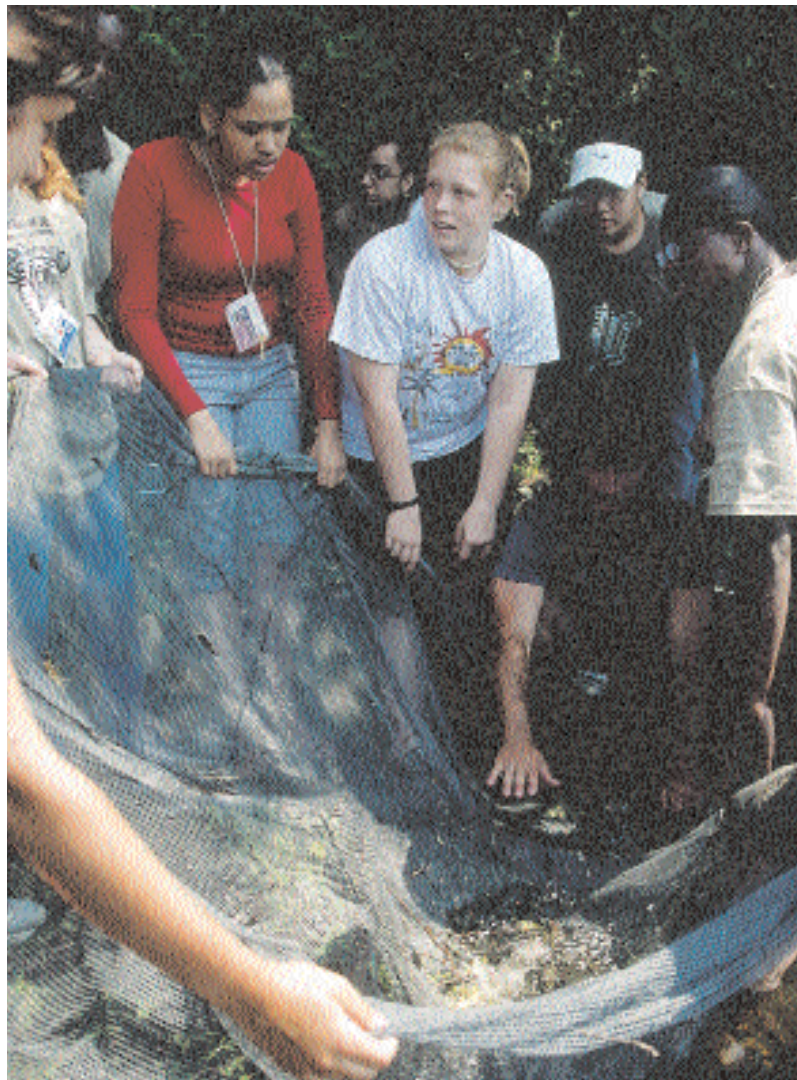
The program involves regular contact between ESF students and Shea students through shared experience and dialogue.

"This gives our students the opportunity to influence these younger students and help create opportunities for them in the future," said Murphy.

ESF students spent the first three weeks studying the mentoring experience. This included writing and reading assignments exploring what it means to be a mentor and what expectations the students have from the course.

Murphy has every confidence in the program and the college students. "I think the ESF students will really appreciate the opportunity and it will be something that will stay with them a long time."

Moore is public relations associate in the Office of News and Publications.





Good scouts: Paul Hopkins, Brian Underwood and Bud Kelleher.

In the summer, temperatures in Virginia easily reach 100 degrees. While most people would have either found a beach or an air-conditioned building, Dr. Paul F. Hopkins, William L. “Bud” Kelleher, Jr. and Dr. H. Brian Underwood spent their days in the hot Virginia sun with 32,000 Boy Scouts and another 10,000 volunteers.

The three ESF staff members were among the leaders of Central New York provisional troops that attended the 15th Boy Scout Jamboree July 23 through August 1 at Fort A.P. Hill near Fredericksburg. The event was the culmination of more than 18 months of planning that they all agree was “worth it” for the experience it gave the boys who attended, including their own sons.

“The Jamboree was amazing. It was an incredible experience for the boys especially, but I think it was the experience of a lifetime for everyone there,” said Hopkins.

The event takes place every four years. Local provisional troops are organized roughly two years prior. Hopkins, a professor in the Faculty of Environmental Resources and Forest Engineering, was named scoutmaster of Provisional Troop #116. Underwood, adjunct assistant professor of environmental and

Camping It Up

by Cynthia L. McVey

forest biology, was his first assistant scoutmaster. Kelleher, an instructional support specialist in construction management and wood products engineering, was first assistant scoutmaster for Provisional Troop #119.

During the day, the scoutmasters took turns minding the camp and overseeing the many activities in which the boys participated. At night, they led troop-wide activities.

They slept from midnight to 6 a.m. “The rest of the time you were running like crazy,” said Underwood.

This was Underwood’s and Hopkins’ first Jamboree. Underwood attended with his son, Craig, a 13-year-old Life Scout who is working toward Eagle Scout. Hopkins was accompanied by his younger son, 14-year-old Ryan, who is a Star Scout.

During his scouting days, Kelleher attended the 1964 Jamboree in Valley Forge. “I had a great time,” he said. “I told our Scouts that this would be a once-in-a-lifetime opportunity to get out and experience all the things scouting has to offer.”

The Jamboree offers boys more activities than they can complete, and, says Kelleher, time management is a “real challenge.”

“That was one of the things the scoutmasters had to assess at the dinner table. If someone wasn’t getting around to enough activities, we tried to hook him up with people who had been [to a Jamboree] before or who were doing really well.”

This year’s activities included a confidence course, a rappelling tower, archery, fishing, canoeing, rafting, kayaking, snorkeling and sailing, as well as things to see in exhibit centers.

There were also new activities daily, such as a 5K run in which Kelleher and his son, Michael, a 15-year-old Life Scout, participated. While Michael is a runner in track and cross-country, Bud Kelleher opted to be among the walkers in the 5K.

“Michael was waiting for me at the finish line because it’s the first 5K we’ve ever done together, even though he ran and I walked,” Kelleher said with a laugh.

Sharing time and activities with their sons was not only a big part of the Jamboree, but also the impetus behind the men’s



Jamboree participants visit the Tomb of the Unknown Soldier at Arlington National Cemetery.

year-round involvement with scouting. They were all scouts as children and became active again through their sons. Back in their home troops, each contributes his professional skills and expertise and tries to make the boys' experience a positive one.

Kelleher became a den leader when Michael joined the Tiger Scouts in first grade. He is now an assistant scoutmaster and merit badge counselor in environmental science for a troop in Oswego. Scouting, he says, gives boys the ability "to see and do things they normally wouldn't be able to," so one of the things Kelleher and other scout leaders in his home troop try to do is take their scouts camping each month.

Hopkins' oldest son, Eric, joined scouting nine years ago and is now a 19-year-old Eagle Scout. "I was minimally involved when he was a Cub Scout but became much more so when he became a Boy Scout," he says. Hopkins is an assistant scoutmaster for his local troop in Syracuse.

Underwood is now the scoutmaster of his home troop in Skaneateles. "I took a 25-year hiatus from scouting until my son, Craig, was old enough. Then I started as his den leader in Cub Scouts," he explains. As a biologist who does a lot of work outdoors, Underwood says a merit badge he earned in scouting spurred his career. He is now a merit badge counselor for environmental science, forestry, and fish and wildlife management, among others.

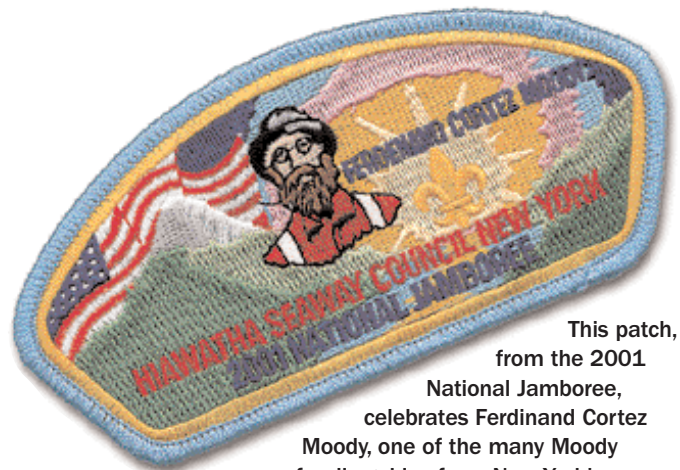
"Scouting did so much for me. It really changed my life, pressed all the right buttons and got me motivated to do what I wanted to in life," he explained. "I feel compelled to try to help other people, to give back to scouting what it gave to me."

Although their professional skills and expertise come in handy, Hopkins notes that these aren't what make a good scout leader or where the fulfillment of working with scouting comes from.

"To be an effective volunteer leader, you have to care about the boys and about trying to make them leaders. That's what scouting is all about. Everybody can be involved and be a great leader," he said.

"I'm pretty sure I'll stay involved in some way even after my son gets out because I want to try to make a difference in the lives of boys and the future of the world."

McVey is a free-lance writer and public relations professional based in Williamson, N.Y.



This patch, from the 2001 National Jamboree, celebrates Ferdinand Cortez Moody, one of the many Moody family guides from New York's Saranac Lake area.

CHANGE SERVICE REQUESTED

ON CAMPUS

Books and Monographs

Mark, Richard E., Charles C. Habeger, Jr., Jens Borch, and M. Bruce Lyne, editors, *Handbook of Physical Testing of Paper: Volume 1*. Marcel Dekker, Inc., New York. 1,040 pages. September 2001. Contributors include **D. Steven Keller**.

Mark, Richard E., Jens Borch, M. Bruce Lyne, and Charles C. Habeger, Jr., editors, *Handbook of Physical Testing of Paper: Volume 2*. Marcel Dekker, Inc., New York. 560 pages. September 2001. Contributors include **Gary M. Scott**.

Awards and Honors

Anagnost, Susan E., **Richard E. Mark**, and **Robert B. Hanna**, The George G. Marra Award of Excellence, 2nd Place, Society of Wood Science and Technology. June 2001.

Stribley, Kathleen A., Josena Foley Award, Preservation Association of Central New York. April 2001.

CAMPUS CALENDAR

November 9-10

Forest Engineering's 30th Anniversary Celebration. Additional information: Faculty of Environmental Resources and Forest Engineering, 315-470-6633 or www.esf.edu/faculty/feg.

November 9-20

Registration for Spring 2002. Additional information: Office of the Registrar, 315-470-6657.

December 7

ESF Convocation. Syracuse Campus. Additional information: Office of Student Activities, 315-470-6658.

SUNY-ESF Turns 90



It was 90 years ago — July 28, 1911 — that New York Gov. John A. Dix signed the legislation establishing the New York State College of Forestry at Syracuse University. Today, the SUNY College of Environmental Science and Forestry has grown into an international leader in the natural sciences, design, engineering, policy and management of the environment. ESF faculty, staff and students celebrated the occasion with a party on the patio Sept. 5. Here are some scenes from our “family event.”

