

FALL 1990

STONY BROOK



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The Alumni Periodical of the University at Stony Brook

STONY BROOK

VOLUME IV NUMBER III

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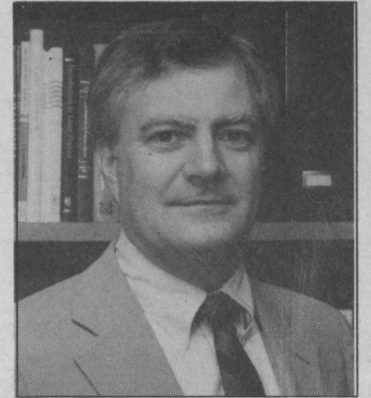
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Where Doers and Learners Meet

Research in universities is a code word signifying all those activities that produce the content of our teaching: seeking new knowledge, perfecting skills, creating works of art and literature, rising to the disordered challenges of the real world.

At "research universities," doers come together with learners on the theory that the conditions of success are too subtle to transmit except by direct contact. The faculty are teachers, not by profession but by their natural inclination as scholars to propagate their insights.



John H. Marburger

To the extent that the learners require tricks of pedagogy to whet their appetites or to ease the digestion of uncooked knowledge, this can cause trouble. Society's intent to make such education widely available, a relatively recent phenomenon, obliges us to pay more attention at the faculty-student interface.

The preoccupation with pedagogy—how to get research faculty to use more of it, and how to get their students to need less of it—is a theme within a larger question touching research universities worldwide: How best to capture the power and vitality of a research faculty to produce the best undergraduate education?

Those Stony Brook people impatient with this question need to know that it is now asked everywhere in universities of our sort. It is in itself a worthy subject for scholarship, and provides its own opportunities for excellence and leadership. Faculty not engaged by this question need to wake up and worry whether society will sustain an institution so expensive if there is too much slippage at the interface with students.

That worry is another global theme: Will society continue to support research universities at their current high and rising expense? The demands upon us are great. Expectations are unrealistically high. But our insistence on yet higher levels of support is provoking an irritable response. Society wants to know how its investment is being managed, how it is helping with the big problems like drug use, corporate greed, environmental spoilage and meanness of spirit.

That we have no easy answers is to our credit, but disappointing to impatient public officials. American society has built itself a standard of living on thin economic ice now threatened by the changing season of world affairs. Vision is shortening in proportion to public resources. Our arguments for support must become more cogent, must speak to the problems of our patrons, must reveal self-consciousness of our responsibilities.

Stony Brook has made its case especially well. We enjoy tremendous support from our sponsors. We rank among the nation's leading research universities (according to *The Chronicle of Higher Education Almanac*), the only New York public institution on that list.

In New York State we share with only Cornell and Columbia a place in the top 20 National Science Foundation-funded universities. Faculty awards and honors place us first among public universities in the entire Northeast, according to a study by the University of Massachusetts. And the growth of sponsored work is balanced, not dominated by a single sponsor, and spread among many departments. From anthropology to z particles, work at Stony Brook is drawing national acclaim.

This issue of *Stony Brook* records a few of Stony Brook's successes in the broad domain of research and scholarship. It suggests why society has placed its confidence in us through tangible support, and shows why more is justified.

John H. Marburger
President
University at Stony Brook

U N D E R
T H E
B R I D G E

Carole G. Cohen Named Vice President for University Affairs

Carole G. Cohen has been named vice president for university affairs at Stony Brook. She previously served as associate vice president for development and alumni affairs. She will remain president of the Stony Brook Foundation, the non-profit fundraising unit of the university.



Carole G. Cohen

In her new post, Cohen will be responsible for alumni affairs, development, public relations, news and publications, government relations, conferences and special events.

In announcing her appointment, President John H. Marburger said, "Carole brings experience in a variety of institutions and was particularly recommended by her former employers as ideal for a development operation in a vigorous state of change and growth. During the months that she has served as associate vice president for development, Carole has impressed many with her quick grasp of Stony Brook's development needs and her understanding of the culture of a large research university."

"Stony Brook is recognized nationally as the premier public research university in New York State," Cohen said. "I am delighted to have the opportunity to help it achieve even greater support and recognition as it moves into its fourth decade."

State Assembly Approves Funding For High Technology Incubator

The New York State Assembly unanimously passed a bill that would provide \$2.3 million in low interest loans for construction of the Long Island High Technology Incubator at Stony Brook. The legislature had previously passed a related bill providing an additional \$500,000 for the project. Governor Mario Cuomo signed the legislation, paving the way for construction of Long Island's first high technology incubator facility, to be located north of University Hospital.

"The overwhelming legislative support for the Long Island High Technology Incubator, amidst one of New York's most difficult budget years, signifies how important this project is for our future economy," said President John H. Marburger.

Incubators—facilities designed to nurture start-up companies by providing low-rent, support services and access to financing—have been effective in encouraging the growth of new industries. An incubator at Stony Brook will also provide access to the university's technical laboratories as well as to its academic expertise.

Date Set for Sports Complex Opening

Opening ceremonies for Stony Brook's new Indoor Sports Complex will be Thursday, Oct. 11. To commemorate the event, a transfer ceremony for physical education and athletics staff, a ribbon cutting and a dinner at the University Club are planned. Tours of the complex will be conducted Thursday evening and throughout Homecoming Weekend.

The new complex will seat 4,100 for basketball and volleyball and 5,000 for special events such as concerts and graduation, making the facility the largest in Suffolk County. It also contains six glass back-walled squash courts, a five lane indoor track and improved locker and training room facilities.

The new structure will be connected to the existing gymnasium, which will provide a single self-contained athletic complex.

School of Medicine Establishes Institute For Medicine in Contemporary Society

A new institute has been formed in the School of Medicine to explore the relationship between teaching and practicing medicine and subjects such as religion, philosophy, art, law and literature.

The Institute for Medicine in Contemporary Society, headed by the Rev. Robert Smith, director of chaplaincy

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Subject to Change

Ashley Schiff: A Legacy of Caring

By Patricia Wiedenkeller

A hemlock tree marks the site of Ashley Schiff's legendary stand. It was here, the story goes, that Schiff threatened to chain himself to the tree to save it from bulldozers clearing the path for the university's Outer Loop Road. Some differ on the details of the episode, but the young political science professor got the result he was looking for: The road was rerouted.

Some 20 years later, that hemlock still stands a few yards away from a perilously sharp bend in South Loop Road. South of the tree lie 26.7 acres of oak woods designated "forever wild" in Schiff's honor. But Schiff did not live to see the creation of the campus nature preserve that bears his name. He died suddenly, in 1969, at the age of 37. Those who remember him say that there has been no one since, whose life—or death—has had such an impact on the campus community.

Ashley Schiff was an extraordinarily popular professor. In his five years at Stony Brook, he built a reputation as an conservationist, an outspoken advocate for sensitive campus planning and a teacher dedicated to his students. "He was one of the most dynamic, powerful and successful figures at the university," says Richard Solo, director of New Student Orientation, who knew Schiff. "Ashley felt that people had an obligation to make a contribution to life on campus," says Schiff's political science colleague Frank Myers. "He was unforgettable."

Schiff joined the Stony Brook faculty in 1964 at a time, says his widow, Dorothy Schiff-Shannon, when "students were looking for heroes." He saw in the fledgling university the potential for creating an aesthetic and intellectual quality of life. And, as "master" of Cardozo College, he put his ideas into action.

In those days, residential colleges were presided over by faculty masters who organized programs and activities to enhance life for students living on campus. "The university was new," says Schiff-Shannon, "and the college program was an attempt to establish some traditions." The program that Schiff provided at Cardozo was unlike any other in the residential colleges. Students came to Cardozo in droves.

Schiff developed a large, loyal student following. He led trips into New York City and organized discussion groups and ball games. "He was very dedicated to the students," says Schiff-Shannon. "And they knew that."

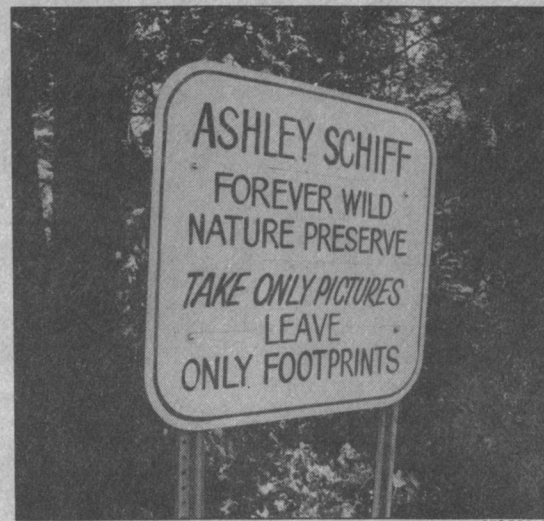
Schiff often led students on "bramble rambles," walks through the woods just south of Cardozo that are now named for him. He had a passion for conservation and clashed regularly with then president John Toll over development plans for the campus. Schiff wanted to see areas of campus preserved in their natural state, while Toll was concerned with realizing the state's mandate to construct a university center for scientific research.

"What Ashley wanted most was for the university to prosper," says Muriel Weyl, Schiff's program coordinator 21 years ago at Cardozo, "and for the campus to be beautiful."

Schiff's professional life was directed by his love of nature and his commitment to conservation. Although he grew up in Brooklyn, he was greatly influenced by his early experiences at the Brooklyn Botanical Gardens and was a self-taught naturalist. His doctoral dissertation at Harvard University, later published as the controversial book *Fire and Water*, examined the then heretical idea of controlled burning in national forests.

The summer before he died, Schiff donated 65 blooming azalea bushes and about a dozen white birch trees to the university. On a sunny day in July, he and a group of student volunteers planted the bushes and trees in a courtyard between what is now Psychology A and B. "He wanted the campus to be beautiful," says Schiff-Shannon, "but he couldn't just tell people what they should do. He felt he had to set an example."

One group that followed Schiff's lead was Hillel, which donated a Cedar of Lebanon to the university



SUE DOOLEY

shortly after Schiff planted the azaleas. Schiff watered the young tree daily, remembers Weyl, by running a garden hose from a faucet inside Humanities through his corner office window.

Later that year, in September, 1969, Schiff was admitted to Mather Hospital in Port Jefferson for treatment of what he thought was a persistent bronchial infection. Eight days later, on Oct. 1, he died from what doctors later determined, says Schiff-Shannon, was an infection of the heart lining. He left a wife and three young children.

The flag was flown at half-mast when news of Schiff's death reached the campus. "You have to understand," says Myers, "the campus was very young then. If you went into a faculty dining room, there wasn't a gray hair in the place. We were young and unsettled. There were no deaths on campus . . . no retirements. Ashley's death was probably the first. We'd never experienced anything like that, and the loss was felt with unusual pain."

There were memorial services and eulogies, and there was talk of naming one of the college buildings after Schiff. The students at Cardozo College decided that Schiff "was too special to have a building named after him," says Weyl, who assumed Schiff's Cardozo responsibilities after his death. Weyl and a group of students mounted a campaign to have a parcel of land on campus, the tract where Schiff had often walked, established as a preserve in his memory.

Two years later, 26.7 acres along Forest Drive were designated by the university as the Ashley Schiff "forever wild" Nature Preserve. The parcel is a rolling oak woodland that extends from the south loop road to the Marine Science Research Center. It is the second largest tract of undisturbed woods left on campus.

But the preserve was not the only legacy of Ashley Schiff. "Ashley had motivated us all," says Weyl. "He had this vision, and we felt strongly that we had to keep it going." After Schiff's death, students at Cardozo College planted crabapple trees around the edge of a pond in the center of Roth Quad, behind Cardozo College. They chose crabapples says Schiff-Shannon, because "they wanted something that would bloom early in the spring, when students were still on campus, and they wanted trees that would attract birds. Ashley loved birds."

Across campus, slender white birches bend low over a courtyard lush with English ivy and budding azaleas. Students sit together on benches there to study or talk, nestled between two of the original buildings on a university campus that has grown to 103 buildings, and is internationally known for the scientific research it produces.

And on a narrow woodland path, Dorothy Schiff-Shannon is stooping to point out a tiny sprig of striped wintergreen poking tentatively through the crumbling leaf litter of last autumn. "Ashley would have been very happy about the preserve," she says, "but he was never content to sit back and bask in things. He would have been very proud, but never satisfied."

Patricia Wiedenkeller, a student at Stony Brook, wrote this article as part of a journalism course.

Our Endangered Planet

Stony Brook investigators circle the globe in a race to answer: How bad is it?

By Sue Risoli

The endangered environment is back in the news—and back in our hearts and minds.

This year's restaging of Earth Day—that communal awakening of ecologic concern—is one sign that we're thinking about our future again. But researchers agree that the planet can't be saved in a day.

With time running out, Stony Brook scientists are searching worldwide for answers. Some are devising tools and strategies that are faster, more effective and more accurate than methods currently used to study the environment. Others are raising the consciousness of decision-makers, or crossing traditional disciplinary lines to pool their resources.

Whether they work in the jungles of Costa Rica or the ice fields of Antarctica, they say their common goal is gathering the information we need to stop the destruction—before it's too late.

Sue Risoli covers research for Stony Brook's Office of News Services.

To observe "Earth Day 1990," Stony Brook's Global Change Study Group, comprising 17 faculty members from several departments, organized the symposium, "The Greenhouse Effect and Global Change," April 22. The program, which featured films, lectures and discussions on environmental issues, was sponsored by the Marine Sciences Research Center, the Institute of Terrestrial and Planetary Atmospheres, the Museum for Long Island Natural Sciences and Suffolk County.



Disappearing Ozone

Though the National Aeronautics and Space Administration (NASA) has been monitoring the ozone layer for years, its satellite data have often proved unreliable. Now they've asked Stony Brook's Philip Solomon to head a worldwide network of stations that will measure ozone depletion from the ground for the next 15 years.

It was Solomon and physics professor Robert Dezafrá who in 1986 found the first evidence that the Antarctic "ozone hole" was caused by chlorine from man-made chemicals. This year Solomon, a professor in the Department of Earth and Space Sciences, has received an initial NASA grant of \$295,000 (with several thousand more to come each year) to set up and supervise ground-based observation stations to measure chlorine oxide, the major indicator of ozone depletion in the atmosphere. Chlorine oxide is a byproduct formed when the chlorine from chlorofluorocarbons in spray cans, refrigeration systems and foam furniture attacks ozone molecules.

"Satellites can cover the whole world, but you can't check your instruments very well," says Solomon. "They drift, so you can't trust long-term measurements. We need ground-based observations to complete the picture."

Automated equipment to be placed at the stations (an improvement that Solomon says will send back more data faster than the currently used human-operated machines) is now being built according to Solomon's specifications. All data collected will be relayed back to Stony Brook for analysis. The five stations—one in Hawaii, the others at locations not yet determined—will be staffed by groups from a dozen research institutions.

Although a stay in Hawaii sounds like a day at the beach compared to Antarctica, Solomon says it isn't so. "We'll be on top of a dead volcano where nothing grows. At 14,000 feet it's difficult to breathe. It gets pretty cold, too."

Dezafrá, Solomon's Antarctic partner, is modifying equipment used on their expedition to monitor even more of the trace gases that affect ozone. He is eager to return to the frozen south to investigate puzzling fluctuations in the ozone hole there.

"In 1987, we saw the worst ozone depletion ever recorded," he recalls. "In 1988, it was very mild. Last year it was quite severe again, but the hole ended three weeks earlier than would normally be the case. We need to

examine it closely before we come to any conclusions."

Solomon and Dezafrá are part of a group of Stony Brook scientists who work under the auspices of the Institute for Terrestrial and Planetary Atmospheres. The institute, a group of seven faculty and 18 graduate students from the departments of physics, mechanical engineering and earth and space sciences, was created last year to study such environmental problems as global warming, acid rain and ozone depletion.

"The institute provides a focus for the considerable amount of atmospheric research that was already going on here," says director Marvin Geller, former chief of the laboratory for atmospheres at NASA's Goddard Spaceflight Center. "Starting from such a good base, it's realistic to expect us to become an acknowledged center in graduate education and research." Other plans include the creation of an undergraduate concentration, or possibly a degree program, in atmospheric sciences.

Head in the Clouds

There's a line from the pop song "Both Sides Now" that goes, "but clouds got in my way." Climate scientists might have been tempted to adopt it as their official anthem, were it not for Stony Brook's Robert Cess.

Cess's conclusions on clouds and their role in global warming are making it easier for scientists to predict how quickly the "greenhouse effect" is advancing. "For years, clouds were the Achilles heel of those who used computer models to study global warming," says Cess. "They cool the Earth by reflecting solar radiation but warm it by trapping infrared radiation emitted by its surface. So we were unsure of the overall influence of cloud cover."

Cess and collaborators from NASA's Earth Radiation Budget Experiment (ERBE) have concluded that clouds have a net cooling effect but can't be counted on as barriers to the greenhouse phenomenon. It's a first step toward solving another dilemma: improving the frequently inaccurate computer models scientists now use to predict long-term climate change.

Cess directs a U.S. Department of Energy project that uses ERBE data obtained from satellites. These data tell him and other project scientists what climate conditions were actually like during a given period.

"Then we 'hindcast,'" Cess explains. "That means we give the models a set of parameters for that period and see which model comes closest to representing what really happened. We'll use this method to adjust the models until we get them to work accurately."

And none too soon. We've already run out of time, says Cess. "The greenhouse effect is a reality," he warns. "Even if we stopped burning fossil fuel today, we'd still feel effects in a decade or two." Sea level will rise, he predicts. Soil moisture and rainfall changes will affect agriculture. "But we don't know the precise levels of the changes," he says. "At this point, all we know is that changes will happen. Until then we've got to keep making the most of the information we have, obtaining more, and doing the best we can to use it accurately."

Saving the Tropics

For Barbara Bentley, it's not enough to tell people about saving the rain forests. She shows them, in person.

Bentley, associate professor of ecology and evolution, leads influential corporate and government employees into the Costa Rican rain forest for week-long educational (and consciousness-raising) forays. With 140,000 square miles of tropical forest being lost worldwide each year, she says "there soon may be no more forests left to save."

The trips are sponsored by the Organization for Tropical Studies, and funded by the Hewlett Foundation of Hewlett-Packard. Bentley leads groups of 20 Congressional staffers, members of government agencies or executives with international banks. "I show them why it's imperative to preserve and manage tropical environments, not only from a purely aesthetic point of view but politically and economically as well," she says. Bentley points out that almost all prescription drugs used today were originally isolated from tropical plants. Since 90 percent of tropical plant species have yet to be studied, rain forests represent a vast untapped source of pharmaceuticals. There's also the economic potential of "ecotourists," people who travel to the tropics, specifically to see national parks. Perhaps most important is the mitigating effect rain forests have on greenhouse gases; the forests remove carbon dioxide from the atmosphere through photosynthesis.

Why not take members of Congress to the forests, rather than their staffs? "We tried that, but they have busy schedules and can't commit to us for a whole week," Bentley says. "Besides, the people who actually write the legislation are often members of Congressional staffs. These are the people we want to educate, and we hope that in turn they'll educate the people they work for."

Bentley and her campers have had what she calls "some pretty amazing experiences." She recalls one evening walking the shore, watching for sea turtles. "Suddenly, these six-foot-long leatherbacks were rising up out of the water to lay their eggs," she says. "Everyone was speechless with wonder."

"But there along the beach were Nicaraguan refugees who were stealing the eggs for food. It was a dramatic way to demonstrate to the group how politics sometimes gets tied into the whole question of protecting an endangered species like the turtles."



Researchers Vince Breslin (left) and John Gordy (right) scoop out a site at the Town of Brookhaven Landfill to test new biodegradable plastics.

A Population at Risk

The next logical question after "What's happening to our environment?" is: "What's happening to us?"

Arthur P. Grollman and colleagues hope to find out. Grollman, a professor of medicine and pharmacology and chair of the Department of Pharmacological Sciences, is directing several programs aimed at finding out more about how environmental toxins affect DNA.

"We think it's important to develop and apply molecular techniques," says Grollman, "to study DNA damage resulting from exposure to mutagenic agents that cause genetic defects and cancer. We need to know early on who's at risk."

For the past three years, Grollman and colleagues have been studying such DNA-damaging substances as toxic industrial chemicals, carcinogens found in cigarette smoke, drugs used in chemotherapy and ionizing radiation. The group is looking at the chemistry of these substances, and at the molecular biology of the DNA itself after damage occurs. The project, supported by a \$5.4 million program/project grant from the National Institutes of Environmental Health Sciences (NIEHS), includes Grollman, Francis Johnson of the departments of chemistry and pharmacology, and pharmacology faculty Dan Bogenhagen, Paul Fisher, Masaru Takeshita, Miguel Berrios and Moshe Eisenberg.

Grollman is about to take this research on the road. As an offshoot of the NIEHS project, he'll work with scientists in China, Thailand and the Soviet Union to study the effects of environmental toxins there. Governments of these agricultural countries, says Grollman, are concerned about the effects of pesticides. The Soviets also want to assess possible genetic damage caused by radiation released during the Chernobyl incident.

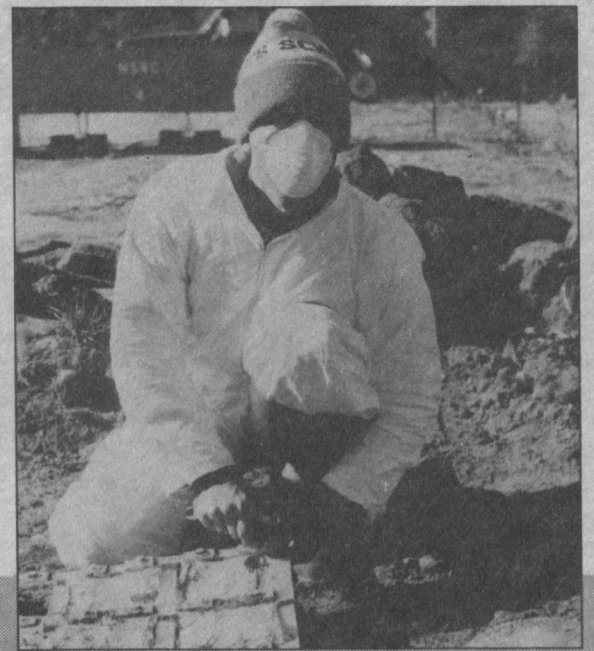
Although environmental problems in the United States differ from Asia's, Grollman says results of the proposed study could be used to help answer environmental toxicity questions raised here. "In this country people worry about chemicals present at one part per 10 billion," he notes. "The samples we'll be looking at involve very high levels of exposure, so we'll be able to easily study the effects."

"You have to establish whether there's a threshold effect," he continues. "Is there a level below which the toxin doesn't cause serious damage? Until we answer that question, it is difficult to make risk assessment policy here or any other place."



Marine Sciences doctoral student Boen Li is knee-deep in garbage at the Town of Brookhaven Landfill site.

Who's Taking Out Long Island's Trash?



Vince Breslin

Every person in this country produces two-thirds of a ton of refuse per year. The Marine Sciences Research Center (MSRC) has found ways to help us deal with all that garbage.

The center's Waste Management Institute (WMI) was created in 1985 and charged with moving beyond mere waste disposal questions to tackle issues of waste management. As Long Island turns from landfill to incineration of solid waste, WMI scientists are developing safe, practical uses for the ash that would be generated (a quarter of a million tons each year in Nassau and Suffolk Counties alone, predicts MSRC dean and director J. R. Schubel.)

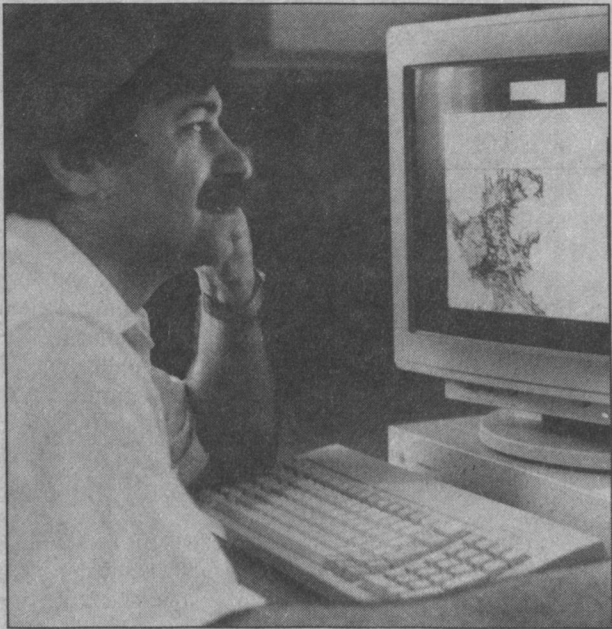
WMI researchers have found that ash can be substituted for rock and gravel in the manufacturing of concrete blocks. In the process, the ash is chemically and physically stabilized, as the scientists have discovered in monitoring two artificial fishing reefs made of the blocks off Long Island's north shore. After two years, says research professor Frank Roethel, they've observed no adverse environmental effects, the blocks are holding up physically, and the reefs are attracting a number of aquatic species.

Construction on another test structure, a boathouse to be used as storage for smaller research vessels operated by Marine Sciences, is scheduled to begin this fall. Researchers will monitor the building closely for a minimum of two years. The WMI is also exploring the development of poured concrete reinforced forms using the ash/concrete mix, to be used as a stronger substitute for cinder blocks.

Are the new "biodegradable" plastics really that? WMI director R. Lawrence Swanson and WMI researchers Vince Breslin and Sheldon Reaven are conducting a two-year study to see how the plastics hold up. They've placed samples in the Town of Brookhaven landfill, at a shoreline research station, and in compost. Results so far are preliminary, says Breslin, "but we're seeing some degradation, especially at the shoreline site."

With MSRC researcher Nick Fisher, Department of Ecology and Evolution chair Jeff Levinton is examining what he calls "the most metal-polluted site in the world." It's Foundry Cove off the Hudson River, former site of a battery factory and a virtual cesspool of nickel cadmium. Levinton (who's also director of research for the Hudson River Foundation) and Fisher are studying flies and worms that have evolved to become genetically resistant to the pollution around them.

"They're getting into the food web," says Levinton. "You have to worry about what substances they're transferring to other organisms that eat them." He and Fisher are now determining how much cadmium passes out of Foundry Cove into the rest of the Hudson.



Arie Kaufman

Arie Kaufman

A New Perspective on Cells

In an important step toward understanding disease and treatment, researchers in the departments of computer science, and physiology and biophysics have created a three-dimensional computer image of a cell, a technique that may help scientists better understand how cells work.

"Three-dimensional images provide scientists with a new perspective on the inner view of a cell," says Ilan Spector, an associate professor in the Department of Physiology and Biophysics. "I can look into the cell and see its component parts in relation to one another."

The model is a key first step toward a new scientific research tool, based on a technology being designed and developed by Arie Kaufman, a professor in the Department of Computer Science. The implementation system, called Cube, is being carried out by Roni Yagel and several other graduate students.

The ability to examine structures, such as the internal framework of a cell, is limited by conventional microscopes which only "see" in two dimensions. The new computer process will not only permit observation of the object in three dimension, but will also enable the researcher to reveal the inside.

The ultimate goal of Kaufman's initiative is to provide the tools that will allow the biological researcher to visualize an object in three dimensions and study the image instead of the actual specimen. The technique will be a major advance for those working on specimens that are especially delicate, limited in supply or difficult to work with.

Kaufman is among a new breed of computer scientists developing "artificial" tools that turn millions of numbers into pictures, a development that could revolutionize research in many fields. Such tools promise to increase the productivity of scientists and engineers by reducing the time it takes to analyze data from supercomputers, satellites or biomedical scanners from several years to a few days.

Kaufman's Cube technology, called volume visualization, enables researchers to peer inside shapes, rotate them or split them down the middle, perspectives that could not have been accomplished before. He can also put pictures together to simulate motion. Using confocal microscope data, he can "walk" into a human cell, examining its inner structures.

"This is the wave of the future in three-dimensional computer graphics," Kaufman says. "A picture is worth a thousand words. Visualization is worth a thousand pictures."

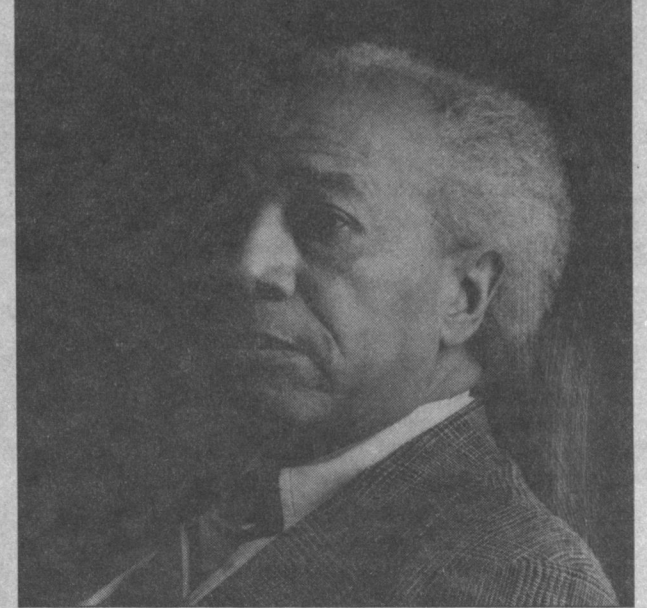
On the Cover

Research assistant Ricardo S. Avila demonstrates volume visualization of biological databases and the integration of a three-dimensional gesture input device (the glove) with the Cube rendering software. The glove's (i.e., the user's hand's) location, orientation and finger movements control the positioning and display of the objects within the Cube environment.

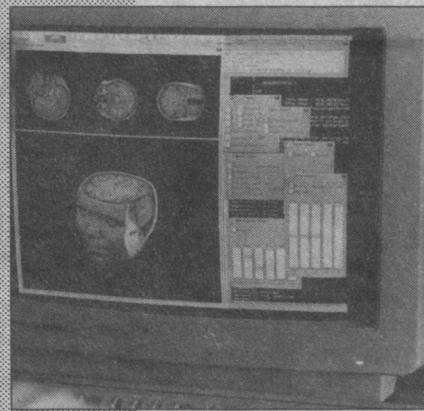
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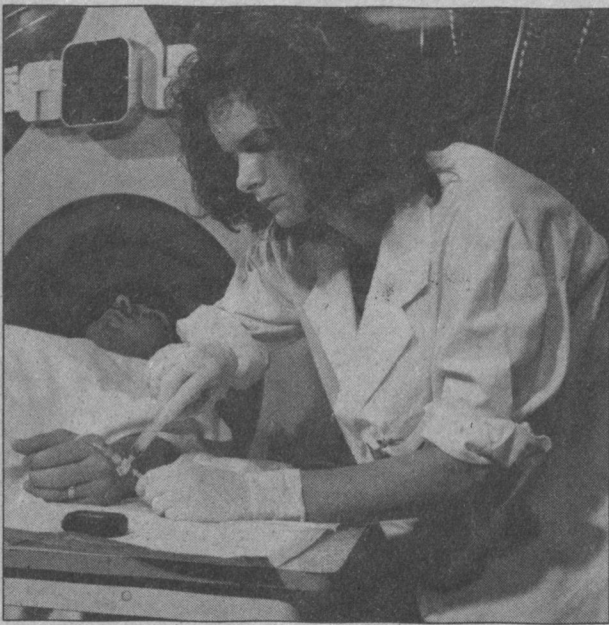


The Innovators

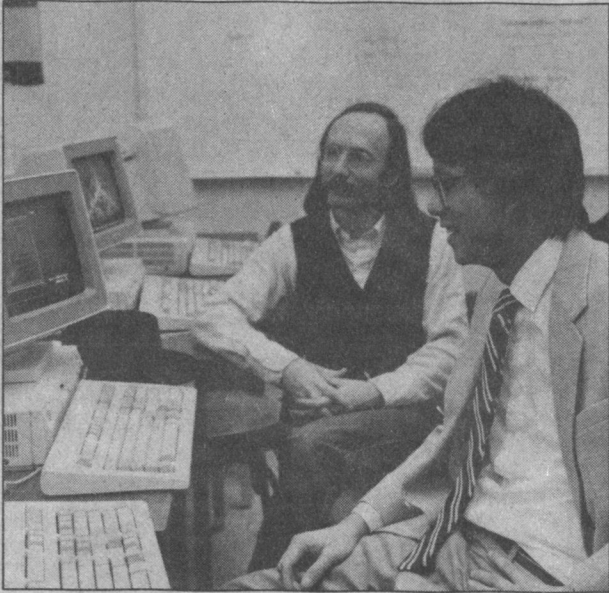


PHOTOS BY SUE DOOLEY

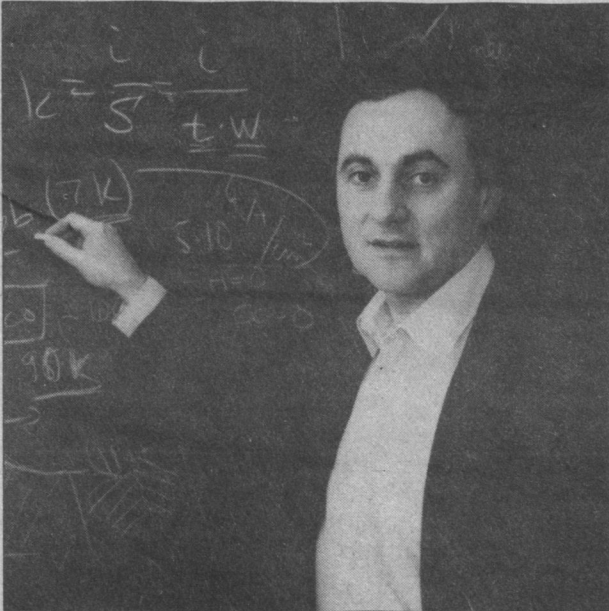
Whether in the basic or applied sciences, the humanities or the social sciences, Stony Brook researchers continue to revolutionize their fields with significant new discoveries.



Nora Volkow



Gary Mar (front) and Patrick Grim (left)



Michael Gurvitch

Michele Bogart What Is Art?

By her own admission, the type of art Michele Bogart studies is "marginal." At least, she says, that's how a lot of art historians would consider these works.

Bogart, an assistant professor of art, is examining the relationship between commercial art and "fine" art in America from 1890 to 1950. "It's a social history," she explains, "rather than just a purely stylistic or iconographic one."

Why that particular time period? "I'm starting with the rise of print media and national advertising and I'm cutting it off at the beginning of television. TV brings up a whole different range of questions about the relationship of art and mass media," she explains.

During pretelevision years, says Bogart, boundaries between fine and commercial art sometimes blurred. "Georgia O'Keefe did an ad for Dole pineapple. Container Corporation of America commissioned William deKooning to do a painting for an ad." But by the 1950s, "the boundaries were very clear cut between the two," she continues. "We tend to think of fine and commercial art as being mutually exclusive. I'm interested in the actual

practices of artists—how they did their work and what they thought about it—and how that defined them."

Bogart is also examining how the use of photos in advertising changed perceptions of photography as art. "It's not simply a matter of representational preferences," she notes, "but a result of the fact that photographers as a group convinced advertisers to use their work."

What's art today? "I'm not sure yet," she confesses. "When Andy Warhol—who started as a commercial designer—came along, he brought the whole issue around full circle by incorporating images from ads and comics into his work.

"At this point in my research, I can say this," she muses. "The relationship between commercial art and fine art has been shifting constantly since the turn of the century. Any notion of what fine art is has to be undertaken in relation to the way commercial art is defined."

Louis S. Peterson Taking the A Train

Not all research is conducted with a microscope. African American playwright Louis S. Peterson does his by poring over old newspaper clippings and talking to people.

An associate professor of theatre arts, Peterson is using his eyes and ears to flesh out a script he's writing for a Broadway-bound musical based on *Take the A Train*, a novel by the late Michael Blankfort.

Peterson has several works to his credit, including the 1950s Broadway hit, "Take a Giant Step," and the movie script for "The Confessions of Nat Turner." That background drew producer Ken Lauber to his doorstep. Lauber owns the rights to *Take the A Train*, the tale of a Jewish boy growing up in Harlem in the late 1940s and his adventures with a black gambler. "It's a charming story," Peterson says, but adds that he is taking liberties with the novel to strengthen the characters and to justify their friendship.

Presently a resident of lower Manhattan, Peterson has a working knowledge of black culture in Harlem, having lived there for two years in the 1940s. But, he says, he didn't know much about the Jewish population at the time. He has researched the project by reading old newspapers and magazines, interviewing people who lived in Harlem in the 1940s and by talking to Jewish friends. He especially wanted to know more about Jewish traditions and religious doctrines.

He also researched gambling in Harlem, to better understand the main character's environment. "The bets were small, 50 cents to \$5," Peterson learned.

The producer has hired a lyricist and a composer to work with Peterson to develop a jazz score for the show. If successful, the production could make musical history: Broadway shows are usually built on conventional musical scores.

Nora Volkow Cocaine's Addiction

A large donut-shaped machine takes pictures of a patient's brain as an intravenous tube supplies a dose of cocaine labelled with a radioactive tracer. This will mark areas of the brain where cocaine is found.

Using stopwatches, the staff of Brookhaven National Laboratory's Positron Emission Tomography (PET) measure the time it takes for the cocaine to flow through the bloodstream to the brain and how long it stays in the brain.

Why is cocaine so addictive? And what are the toxic effects of cocaine on the brain? Nora Volkow, an assistant professor of psychiatry at Stony Brook and Brookhaven researcher, hopes to answer these questions.

PET scanning has only recently been used in the study of substance abuse. Unlike X-rays, which reveal structure, PET shows biochemical changes in tissues by measuring the concentration of a positron-emitting substance. The technology produces color images or "slices" of the brain and offers a first opportunity to look at human brain chemistry and function.

Despite a cocaine epidemic, there is very little known about the effects of the drug on the human brain. Working at Brookhaven National Laboratory, where the PET scanners are housed, researchers have demonstrated that cocaine binds to areas of the brain with a high concentration of dopamine receptors. They also found that cocaine abuse decreases the number of dopamine receptors.

Knowing what goes on in the brain can help researchers come up with better treatments. If chronic cocaine abuse causes a decrease in dopamine, drugs that enhance dopamine activity may prove to be the preferred therapy.

Gary Mar and Patrick Grim The Look of Language

Colorful lines cut across the computer screen, up and down, intersecting, then sharply breaking into concentric boxes, smaller and smaller into infinity, then back again, larger and larger until the space between lines fills in.

This is what language looks like—or at least some paradoxical parts of it—and it bears a striking resemblance to the patterns found in natural phenomena ruled by chaos theory, two Stony Brook philosophers say.

Gary Mar, an assistant professor of philosophy, and Patrick Grim, an associate professor of philosophy, have spent a lot of time in Stony Brook's logic lab trying to map out a picture of language. "This project couldn't have been done without a computer," Mar says. "The calculations would have taken months."

Using a range of values between 1 for true and 0 for false, Mar and Grim developed a mathematical model for the semantics of language. They first graphed the ancient "Liar" statement: "This sentence is not true," which alternates forever between true and false.

They went on to graphically portray a second statement: "The actual truth of this sentence is half of its estimated truth." No matter what value between 0 and 1 was input into the computer, the result was two-thirds.

Next they formulated what they call the "Chaotic Liar": "The actual truth of this sentence is its estimated falsehood," or alternatively, "This sentence is true to the degree you think it is false."

Mathematical analysis of this sentence results in "genuine chaotic semantic behavior," a term which they defined for the first time in their work. Its graphic analysis results in the chaotically expanding and contracting concentric boxes.

Mar and Grim have submitted portions of their work to several journals in both mathematics and philosophical logic. "Their findings cannot be disputed," says Don Ihde, dean of humanities and fine arts. The significance of their work, he explains, is that they are finding the same patterns that apply to nature in structures created by humans.

Michael Gurvitch Superconductivity's Promise

Levitating trains. Faster computers. Endless reserves of energy. Such are the tantalizing promises held by superconductivity, the passage of energy without resistance. In the past few years, the field has exploded with the discovery of materials that can superconduct at higher temperatures. But scientists, hampered by a lack of basic knowledge about the new materials and frustrated by problems inherent in their use, need to know more.

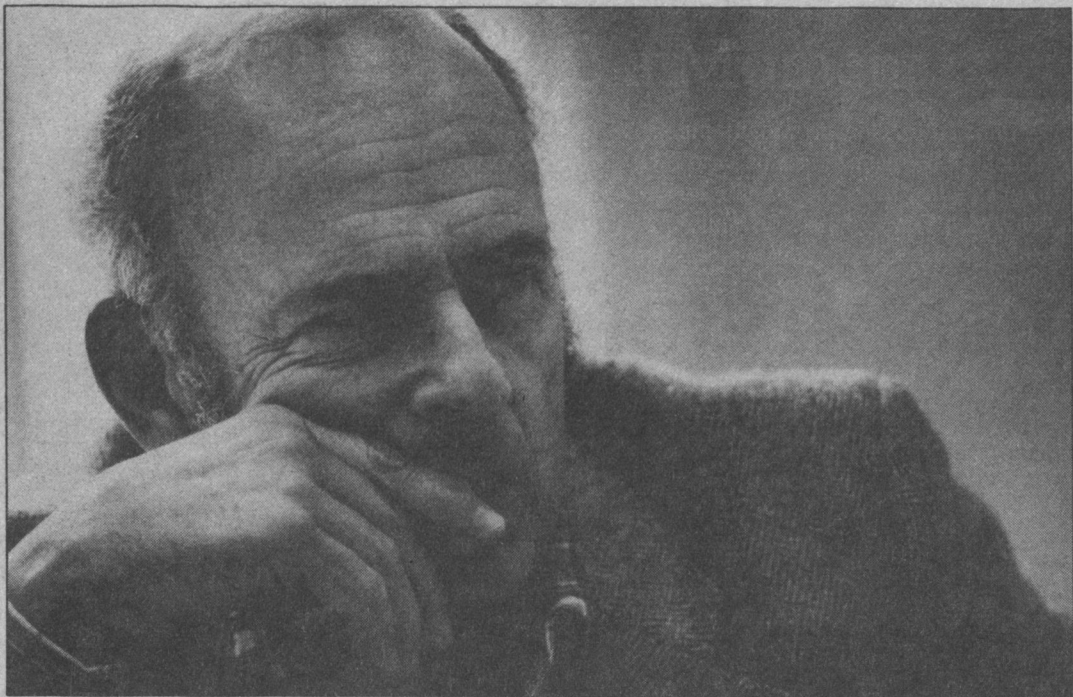
Enter Stony Brook's Institute for Interface Phenomenon (IIP). The institute, formed last year with faculty from the departments of physics, chemistry and materials science and engineering, conducts basic and applied research in electronics and pays special attention to high-temperature superconductors.

IIP's Antony Bourdillon, professor of materials science, is studying how to make wires out of high-temperature superconducting materials. "So far scientists have been disappointed in their efforts to do this," says Michael Gurvitch, IIP director and professor of physics. "But once it's accomplished one can make very powerful magnets. Or you could make a giant coil that could store tremendous amounts of energy to draw on in a fraction of a second without any energy loss. These developments could make possible many of the science-fiction-like applications of superconductivity that we've heard about."

IIP is fabricating new high-temperature materials and devices, and is forming partnerships with industry to explore the commercial viability of its discoveries. "We have a number of collaborations in place now, including one with Bell Laboratories in New Jersey to develop 'active' devices—which are not just passive elements but modify a signal in some way—based on high-temperature materials," says Gurvitch. "We're also planning to develop projects with Brookhaven National Laboratory."

IIP's Jim Lukens of the Department of Physics also continues to study lower-temperature materials, says Gurvitch, "because there may be some instances where the low-temperature technology really is better suited to the task you need to accomplish, like digital applications for computers. We need to compare the two technologies."

"High-temperature superconductivity is a magnificent phenomenon, but people are still debating its basic physics," explains Gurvitch. "At IIP we want to understand how it works so that we can begin to harness it."



Louis Simpson

MAXINE HICKS

By Gila Reinstein

Four different projects challenge Louis Simpson right now. One is a new book of poems to be called *Social Comforts*. Another is a collection of short stories. The third is a memoir, and the fourth he calls "odd critical essays."

Simpson, Pulitzer Prize-winning poet, essayist and professor of English at Stony Brook, is best known for his poetry, which has been widely anthologized and highly acclaimed. In addition to the Pulitzer, he has won the *Prix de Rome*, the Columbia Medal for Excellence, the American Academy of Arts and Letters Award in Literature and Guggenheim fellowships. His newest poetry is narrative and lyrical, and he has become the leader of a group of young writers whose poetry incorporates narrative.

"My poetry is story-telling or has bits of stories," he says. In a 1985 essay on the creative process Simpson wrote, "For 20 years I have been developing a kind of writing in verse that would accommodate my thoughts as easily as prose yet have a lyric flow."

Just released at the end of March is his latest collection of poetry, *The Room We Share*, published by Paragon House.

"Poems are the main thing," he says. But they do not come easy. "They've always been a terrible struggle. Sometimes I have good times when I write a lot in a hurry," he says, but that is the exception. "I'm a tough critic of my own work."

In 1989 Paragon House published *Selected Prose*, which includes passages of autobiography, fiction, poetry and personal letters. The selections span the years from his childhood in the West Indies to recent journal entries.

How did he choose what to include and what to leave out? "I chose the things that work," he says. That kind of internal selection goes on "all the time" when he writes a poem, keeping some passages, setting others aside. And his ultimate criterion was, "a book has to be readable."

Simpson was on leave from Stony Brook this spring, and spent a lot of time close to home. "People wonder why I live here. I love the grass; I love the wind. I can park my car and walk where I have to go. I can walk my dogs." The beagle and beagle-terrier are "a big part of my life," he admits, and the daily walk he and his wife, Miriam, take with the dogs is a regular ritual of life in Setauket for the Simpsons.

Giving poetry readings and lectures, Simpson travels across the country more often than he goes into New York City, even though he owns an apartment in the city. "I think New York is past a balance point where it is no longer a viable city. I wouldn't live there," he says. Was New York different during his days as a student at Columbia University? Emphatically so. "I remember at midnight I'd leave my room, walk the streets, walk across Central Park if I felt like it. New York, then, was as safe as houses," he says.

Although Simpson was born in colonial Jamaica and spent his childhood looking to England as the mother country, his loyalties are American. He left Jamaica soon after his father died, and he never went back. Initially he came to New York to visit his mother and decided to enroll at Columbia.

During World War II, Simpson enlisted in the United

"My work is my life. Without my life, I wouldn't have anything to write about, and without my work, I wouldn't have any reason for living."

States Army, interrupting his college studies. He was posted with the 101st Airborne Division and fought in France, Belgium, Holland and Germany. Letters from Simpson to his mother, aunt and cousins are included in *Selected Prose*. They are affectionate and amusing, as he pleads with his relatives to send chocolates or tells them exploits of military life.

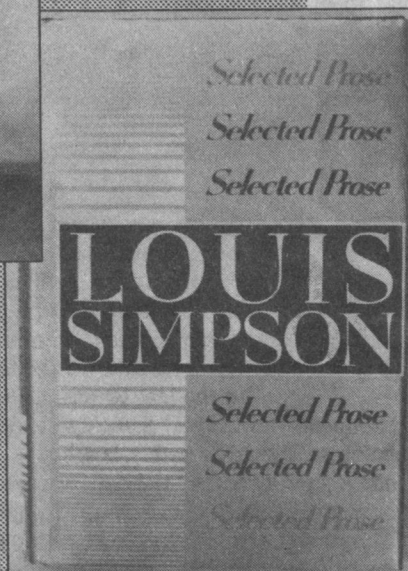
In October, 1944, he wrote to his cousin, Molly Cohn, "I have been busted to private again for mislaying a radio in the shock of war, but I have every hope that, owing to his industry, courage, character and long years of service, the year 1945 shall once more see Louis Simpson a p.f.c."

"We had a movie the other day and just as Harry James hit a high note the celluloid burned up, so we don't know how it ended. That's what makes war rugged," he wrote to Molly in November, 1944. He writes of the mud, the cold and the wretched "chow" on the front, and of the bistros of Pigalle and the pretty girls there, in London—in fact, everywhere.

He makes light of his danger and mentions off-handedly being grazed by a bullet and earning the Bronze Star, the Purple Heart and other citations. Looking back on those days from 45 years later, Simpson says, "We were very cheerful, very young. The letters from the war... the soldiers were trying to keep up the morale of the people back home. You could never tell people about the front line stuff. It would have been censored." And so the letters are light and funny.

But the war wasn't just a series of amusing exploits. Simpson says, "We slept night after night in a field of dead men... It took me years to get over it. I still haven't gotten over it." For years after, Simpson dreamed violent war dreams almost nightly. "Lately, the

Louis Simpson On the Writer's Life



dreams are easing up," he says.

He went into the army a college student, fresh from colonial British Jamaica. "When I came out of that, I felt American." Sometime during his third year in the service, an officer came into the barracks and asked, "Who here wants to become an American citizen?" Simpson raised his hand and was sworn in without ceremony.

In a poem just published last month, Simpson writes,

*And what is our nation?
The place where we were born
or the one that permits us to live?*

"I'm not a raving patriot," he says today, with a note of defensiveness, but neither does he have the "hypercritical, kneejerk response that the United States is always wrong, evil," that he sometimes hears among his colleagues. He vocally opposed the Vietnam War—earning threatening phone calls for his outspoken position—but adds, "I am not a pacifist."

At Stony Brook, Simpson has taught literature since 1967. "I'm not against teaching writing courses, but for myself, it's not good." He believes that writing "can be taught," but adds, "I don't think a good writer needs it. It helps a lot of people who aren't going to be writers learn what it's all about." But he finds that "teaching writing would drain me the way teaching literature doesn't." He feels best teaching modernism—English, European, and American literature from about 1850-1950—but he has taught Chaucer with pleasure, too.

Writing is his calling. As a young soldier, he had pictured a comfortable old age, sitting "in the easy chair smoking a havana and sipping claret," he wrote in a letter to cousin Molly. Today, sitting in his office at Stony Brook, he says, "My idea is writing a lot. Some travelling. I don't sit around. Actually, I won't ever be comfortable."

Gila Reinstein covers scholarship and the performing arts for Stony Brook's Office of News Services.

The Philosophy of Technology

In his latest book, Don Ihde examines the ways different cultures use and relate to technological change

By Gila Reinstein

Don Ihde loves to travel, and where he goes reflects his world view. Before the 1980s, whenever he could find the opportunity he traveled through Europe and across the United States. Those were the important cultural centers of the world for him then.

"In the last 10 years, I've traveled to all six continents," he says. "Some call me an armchair anthropologist," he adds with a laugh.

Ihde is a philosopher, author of eight books—the ninth in copy editing stage—and dean of humanities and fine arts at Stony Brook. He has been called "America's first philosopher of technology" by colleagues and lectures around the country and the world on the links between science, society and thought.

Book number eight, *Technology and the Lifeworld*, *From Garden to Earth*, was published this spring. It is part of a new series by the Indiana University Press on the philosophy of technology. This is the first North American series devoted explicitly to the philosophy of technology, a study that embraces many disciplines.

Technology and the Lifeworld examines the different ways people relate to technologies, from the simplest tools

to the most sophisticated. "Lifeworld" is a term Ihde borrows—and modifies—from 20th-century philosopher Edmund Husserl. Ihde uses it to mean, "the cultural world—values, societal beliefs, the environment in which human beings take their direction."

In *Technology and the Lifeworld*, Ihde looks at the ways different cultures use technology and relate to it, and the differences between contemporary and traditional views of technology. The final section of the book faces the important issue that Ihde calls "stewardship for the inherited earth," preserving the environment from the insistent encroachment of development.

"Not everything in high technology is good," he says. "Some things are obviously bad, for example, those things that cause environmental damage."

Even in nonjudgmental terms, Ihde says, "Technology is not neutral. Any technology changes the way you experience what you experience. It will enhance one aspect, while reducing another." For example, he says, consider sunglasses, which modify the whole world of color when you look through them. In subtle ways, any technological device you use modifies the world, he says.

Ihde is neither a utopian nor a dystopian. He is not willing to indict technology nor call it the solution to all the world's ills. "Technology is ambiguous. We need to recognize its nonneutrality and be critically aware of what we are selecting," he says. "You can't go back to the garden, to simplicity."

The garden in the subtitle is Eden, and that primordial setting becomes a continuing metaphor in the book for the world before tools, before humankind began to take domination over the environment. Other chapters of the book, "Eve and the Spaceship," "Adam and Eve's Culinary Revolution," carry out this theme.

Could humans live without any technology whatsoever, Ihde asks. His answer is yes, but only in a tropical garden like the mythic Garden of Eden.

The central argument of the book, Ihde says, is that "the world has been interconnected by technological and scientific developments which arise out of Western culture. The countercurrent of all non-Western cultures is beginning to influence us. A major task of the 21st century is to relate to and appreciate non-Western cultures."



Don Ihde

"The world has been interconnected by technological and scientific developments which arise out of Western culture. The countercurrent of all non-Western cultures is beginning to influence us. A major task of the 21st century is to relate to and appreciate non-Western cultures."

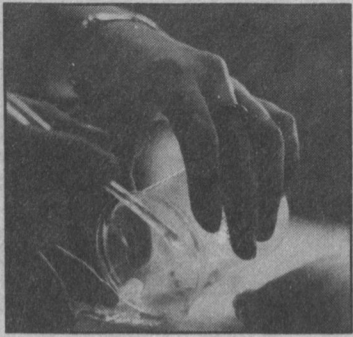
In pursuit of that appreciation, Ihde recently traveled to Japan, Korea and India. This July, he embarked on a year-long visit to Australia, where he will be on the faculty of the University of Sydney for the 1990-91 academic year while on sabbatical from Stony Brook. From Australia he hopes to base a multicultural humanistic study of the Pacific rim countries, including New Zealand and South-east Asia.

Where does Stony Brook fit into all this? For Ihde, part of the function of Stony Brook—and every university—is to celebrate multicultural diversity. And, "because the university is in the forefront of research for technology, it ought to be in the forefront of experimentation for societal issues."

"We're moving in that area," Ihde says, noting the reorganization of the Department of Comparative Studies, the addition of scholars in Korean, Japanese and Chinese studies, the hiring of an ethnomusicologist and the search for an expert in non-Western art.

"A symbol of the postmodern way of seeing is the compound eye," he says, handling a small wooden kaleidoscope, the kind you look through to see a world broken up, multiplied and transformed. "Or it's like 20 television screens in a newsroom showing images from all over the world at the same time. You pick and choose the mix of what you want to see."

The university, Ihde says, should offer the richest possible mixture.

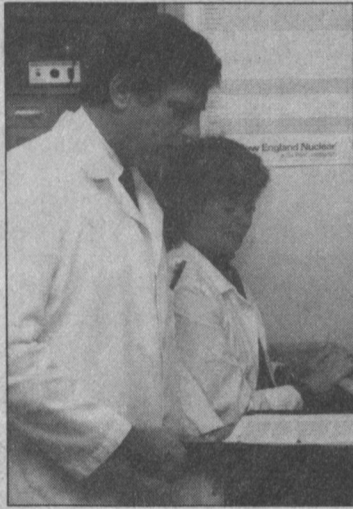


I N T H E L A B

Combining clinical practice with basic and applied research, Stony Brook faculty are making headway against some of the world's most intractable diseases

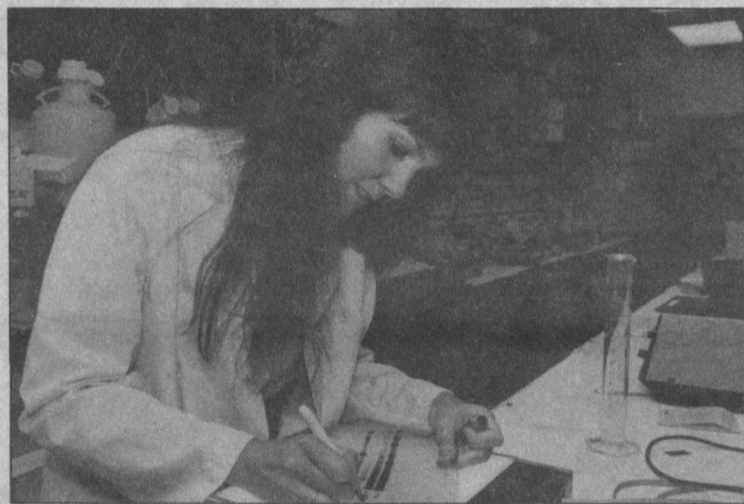


1. **Jorge Benach** and **Gail Habicht**, professors of pathology, are studying how the spirochete *Ixodes dammini* causes Lyme disease. They are examining how the organism interacts with and kills some cells of the nervous system, skin and joints.



5. **William DeTurk**, associate professor of physical therapy; **Janice Sniffen**, assistant professor of physical therapy and **Clifford Mereday**, associate professor and chair of the Department of Physical Therapy, are using flotation tanks in various aspects of rehabilitation. Some uses include treatment of patients with arthritis, chronic pain syndrome, cerebral palsy and other neuromuscular diseases.

2. **Simon Pilkis**, professor and chair of the Department of Physiology and Biophysics, is conducting research aimed at understanding how blood glucose is regulated by the liver, the most important organ for maintaining blood glucose at a normal range. His work examines enzyme proteins within the liver cell and their effect on the regulation of glucose synthesis. Glucose regulation has important implications for the study and treatment of diabetes.



6. **Barry Coller**, professor of medicine and head of the division of hematology, is using monoclonal antibodies to diagnose and treat diseases and to better understand normal blood platelet physiology. He has also applied these antibodies to the diagnosis of patients and carriers with a rare bleeding disorder due to abnormal platelet function. Recent studies are directed toward using the monoclonal antibodies to treat patients with heart disease, to prevent clogging of the arteries by blood clotting.

3. **Janet Andersen**, postdoctoral fellow in the Department of Pathology, received a \$18,500 grant from the National Arthritis Foundation, Long Island Chapter, to support her research on Lupus antibodies. She is collaborating with **Gary Zieze**, research associate professor of pathology.



7. **Roy Steigbigel** (center), professor of medicine and pathology and chair of the Division of Infectious Disease, directs Stony Brook's AIDS Clinical Trials Unit. Funded by the National Institute of Allergy and Infectious Diseases, the project is part of a national effort by more than 35 medical centers to conduct research on AIDS-related medical treatment. Dr. Steigbigel's group is testing 12 different drugs designed to treat opportunistic infections associated with AIDS and slow down the progression of HIV disease. From left: **Barbara Weiser**, assistant professor of medicine and microbiology; **Harold Burger**, assistant professor of medicine and microbiology; Dr. Steigbigel; **Benjamin Luft**, associate professor of medicine; and **Thomas Rush**, former instructor of medicine.

4. **Lorne Taichman**, professor of oral biology and pathology, is investigating the possibility of using skin cells in gene therapy. He and **David Williams**, professor of pharmacological sciences, have shown that the epidermis (skin's outer layer) produces a protein that enters the blood stream. "This is a new way of thinking that makes us think of skin as a factory, not just a covering," says Dr. Taichman. He and Dr. Williams want to genetically engineer mouse skin cells to produce different chemicals, an idea that could one day be used to treat disease through skin grafts.



Stony Brook Strikes Its Colors

Stationery and publications produced by the university will soon be wearing a more colorful face.

An updated signature incorporating the Stony Brook colors of garnet and grey will make its first appearance this summer on stationery produced by the Office of Graphic Support Services. The Office of Publications has already begun to incorporate the new signature on publications.

The changes are part of a broad effort to strengthen the university's graphic identity and increase the coherence and attractiveness of its communications.

The university seal—the oldest and most familiar element in the university's family of identifiers—will be left unchanged. This "stones-in-brook" design was created in the early 1960s by Robert White, professor emeritus of art, to be etched on the University Medallion, awarded in recognition of outstanding service. The youthful university soon appropriated the design as an institutional symbol, and it will continue to serve as Stony Brook's formal academic insignia. Appropriate uses will include materials produced in connection with commencement and other academic events.

The block-style university logotype introduced by the Office of Publications in the late 1960s will be phased out. Replacing it will be a formal signature presenting the

words "Stony Brook" in a carefully crafted combination of two typefaces, Baker Signet and Friz Quadrata. Also to be used in less formal applications—including many imprinted items offered for sale in the bookstore—is a "USB" monogram.

All the new identifiers incorporate a hardwood tree as a symbol of durability and knowledge—a decision based in part on a precedent established by the Health Sciences Center, which used a tree in its signature in the 1970s.

A more appropriate symbol would be difficult to find. During the War of 1812, Brookhaven Town exported more than 100,000 cords of lumber and Suffolk County remained the first woodcutting county in the state from that time through the Civil War.

One hardwood, the locust, was particularly prized by Long Island farmers for its durability in fence posts. On the birth of a child, it was the custom for the father to plant a stand of locusts, knowing that when the child reached maturity, the trees—then ready to cut—would provide a handsome dowry for a daughter or a start toward a new farm for a son.

Luth + Katz, a Manhattan-based graphic design firm, has consulted with the university on design aspects of the project.

UNIVERSITY AT STONY BROOK IDENTIFIERS



University Seal

Applications of the seal include commencement and convocation materials and imprinted items steeped in academic tradition, such as the Stony Brook captain's chair.

Signature

Applications of the new signature include stationery and primary-site signage. On stationery the Stony Brook name is in grey, while the mark (tree) is in garnet. A modified (stacked) signature will appear on external publications.



Monogram

A USB monogram is introduced for informal and decorative applications where the full name of the university is not required. Applications include internal publications, Alumni Association materials, secondary-site signage, sports uniforms and a wide range of imprinted items.

What's Happening at Stony Brook?

Currents keeps you in touch.

News and feature stories keep you up to date on issues affecting the university community.

In *Currents*, which is published monthly by Stony Brook's Office of Public Relations and Creative Services, you'll find the latest on research, new programs, faculty achievements and student activities.

You'll also stay up-to-date on more than 2,000 events that take place on the campus each year: speakers, conferences, films, performances in the arts, and more.



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Under the Bridge

continued from page 3

services at University Hospital, was inaugurated in April at a conference at the Health Sciences Center on decisions to limit medical treatment.

"What we have going on here all the time is human life confronting its death," Smith says. "We have to find a language to communicate that. Medical students need exposure to the resources of philosophy, religion, ethics and law. A place like this has a great deal to say to the larger community about what it means to be a human being and about the choices we must make."

The institute will sponsor symposia and conferences on medicine and its relationship to the humanities and law, including such topics as the image of the doctor in literature and the relationship between psychiatry and religion.

Three Honored as Distinguished Professors

The trustees of the State University of New York have designated three Stony Brook faculty members "distinguished professors."

Norman Goodman, Distinguished Teaching Professor in the Department of Sociology, and Lester Paldy, professor of technology and society and director of the Center for Science, Mathematics and Technology, have been named Distinguished Service Professors. This honor recognizes outstanding service to the State University of New York as well as to the nation, state and local community. To be nominated for this honor, a faculty member must have attained the rank of professor and have completed at least 10 years of service to the State University of New York. Goodman is the first faculty member in the state university system to receive the double distinction of Distinguished Teaching Professor and Distinguished Service Professor.

Barbara Elling, professor of Germanic and Slavic languages and literature, has been named a Distinguished Teaching Professor, an award that acknowledges outstanding teaching in the State University of New York. To be nominated for this honor, a faculty member must have attained the rank of professor and have completed at least three years of full-time teaching on the nominating campus. The nominee must perform superbly in the classroom, provide academic advisement, maintain high standards of student performance and continue to be an active scholar.

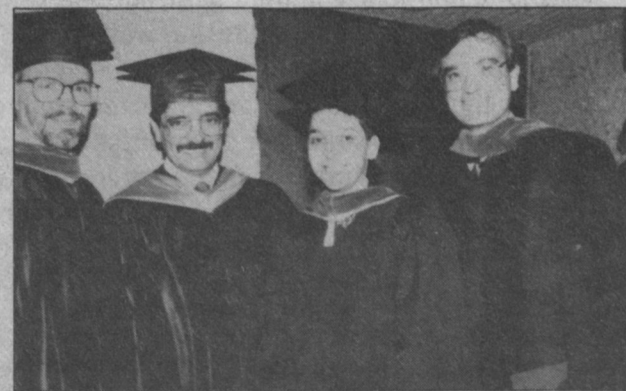
Center to Coordinate Maglev Development

A center to coordinate research, development and funding for "maglev," the high-speed train that experts say will herald the transportation of the future, has been established at the Center for Regional Policy Studies at Stony Brook.

"The opportunity to develop maglev is a significant gain for Long Island," says Lee Koppelman, director of the Center for Regional Policy Studies, who announced his center's role at an all-day maglev seminar at the World Trade Center earlier this spring. "If we're trying to find a substitute for the defense industry on Long Island, we should take advantage of the high-tech infrastructure that already exists in the region."

Maglev, a contraction for "magnetic levitation," is a high-speed train that literally floats on air. Noiseless, clean and free of pollutants, the train rides on magnetized air gaps that can exceed 300 miles per hour. Magnetic levitation research has been conducted in the United States since the early 1970s, and maglev prototypes have been built in Germany and Japan.

Stony Brook's departments of physics, engineering and economics, Brookhaven National Laboratory and Grumman Corp. will also be involved in the project.



Ambassador Receives Degree

At this year's commencement exercises, the honorable Hamad Al Kawari (second from left), ambassador from the state of Qatar, received his Ph.D. in political science, and Babak Movahedi '84 (third from left) received the 1990 Political Science Distinguished Alumnus Award. Congratulating them are Mark Schneider, professor of political science, (left) and Andrew Policano '71, dean of social and behavioral sciences.

A Wave Goodbye

3,875 graduates receive diplomas at Stony Brook's 30th commencement

By Lawrence M. Friedman

New York State Governor Mario Cuomo praised Stony Brook as a "model for racial, religious and ethnic harmony" at the 30th commencement ceremonies held Sunday, May 20. The ceremonies took place on the athletic fields, somewhat damp from an early morning rain which gave way to a pleasant afternoon.

The governor urged the graduates to work toward building racial tolerance and understanding as they move beyond Stony Brook. He also discussed the need to recognize and understand the responsibility each of us has to the future of both New York and the nation. Upon finishing his address, Cuomo received a standing ovation.

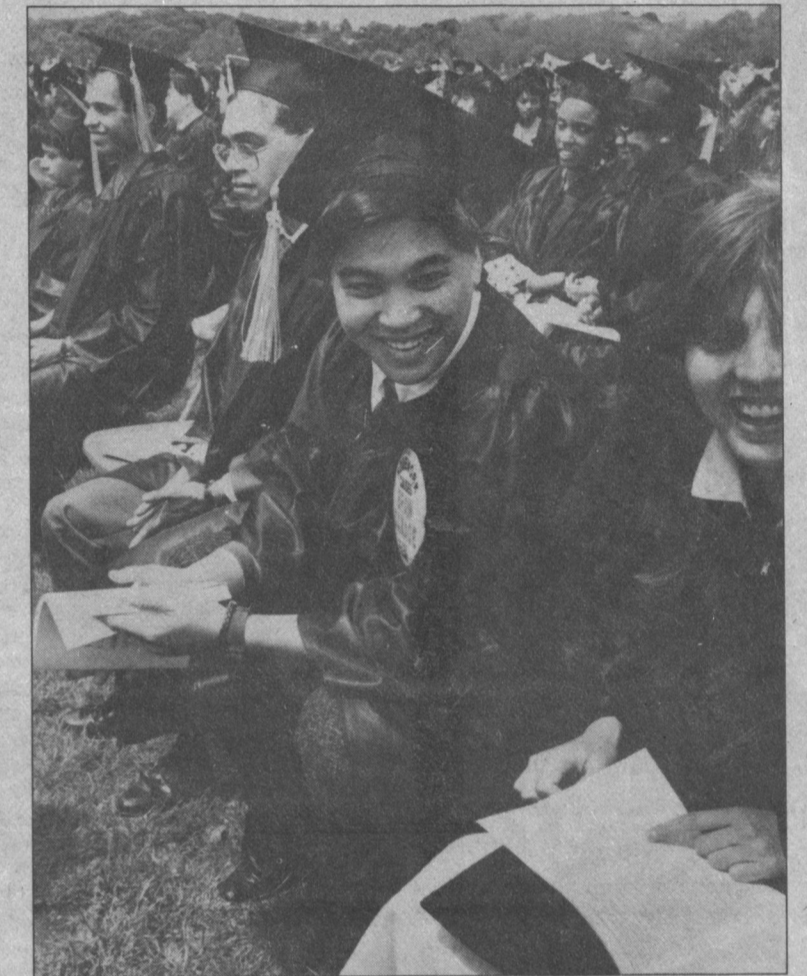
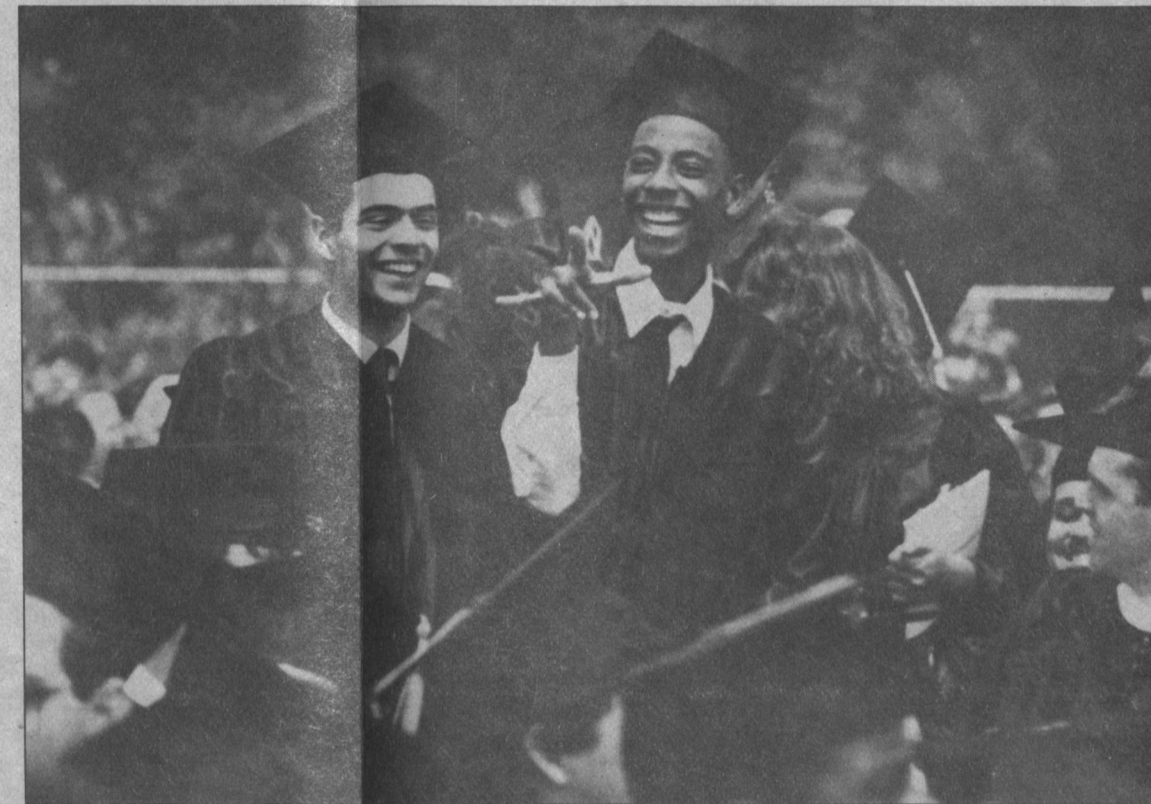
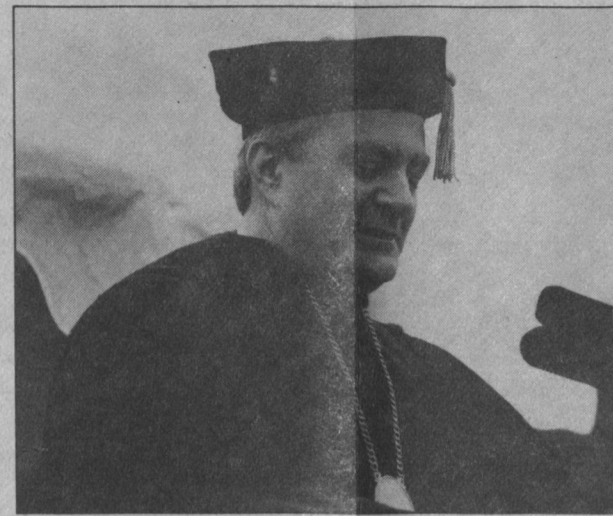
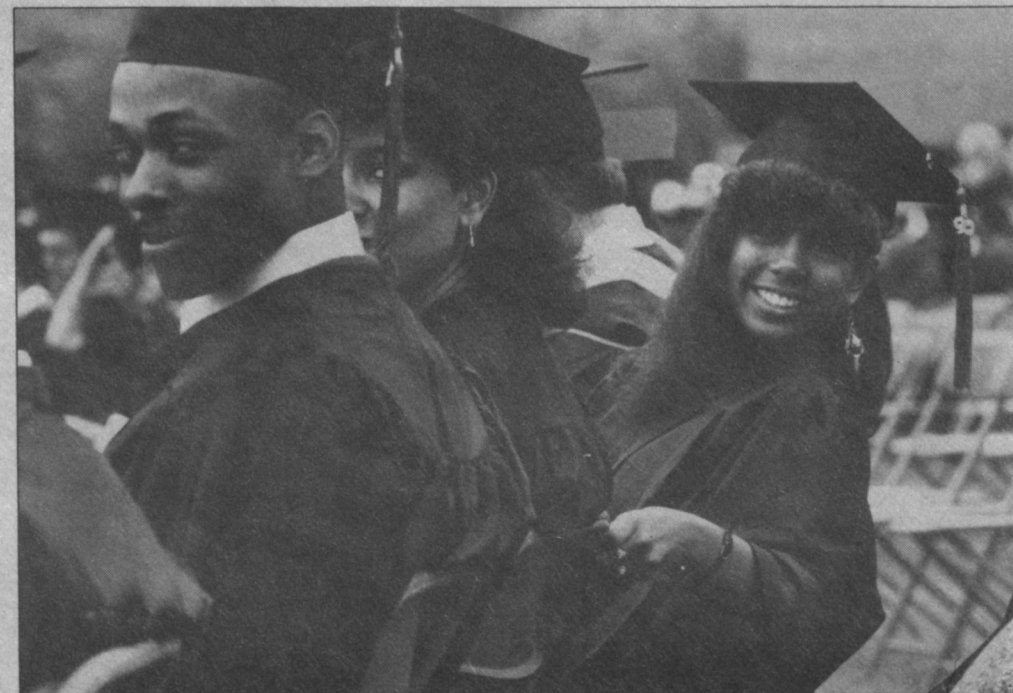
During his traditional closing remarks (which followed a well choreographed "wave" from the students), President John H. Marburger addressed the many changes occurring in the world today and the need to meet challenges with "consciousness of change and the courage to change—our most important armor against the vicissitudes of the future." Marburger also said he was proud of Stony Brook students because they have confronted "the difficulties we have shared here in recent years."

Student speaker Jill Evans advised her classmates to have courage and persevere in the face of adversity. Selected by a committee of students and nonvoting university staff members, she noted that "when you have courage and the faith to sustain it, you find that political uncertainties are eventually resolved and things like VCRs and microwave ovens become less important than your dreams."

Three honorary doctoral degrees were awarded during the ceremony. Economist Gary S. Becker received a Doctor of Science degree for his research into human behavior and institutions. Chemist Paul C. Lauterbur was awarded a Doctor of Science degree for his pioneering work in the field of nuclear magnetic resonance. University administrator and physicist John S. Toll received a Doctor of Humane Letters degree in recognition of his many contributions to Stony Brook during his tenure as president from 1965 to 1978.

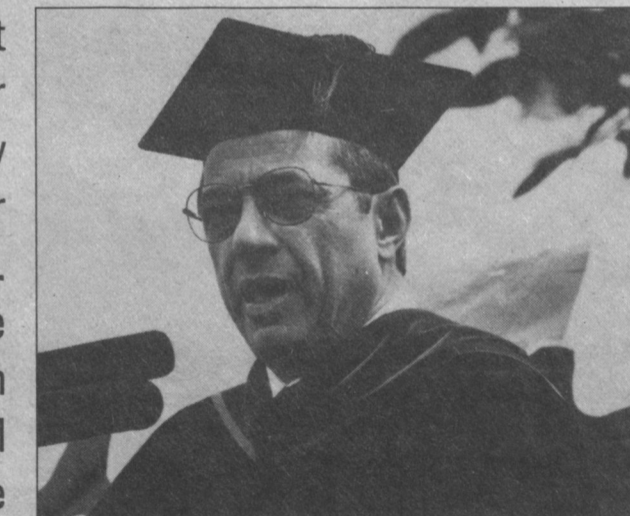
More than 1,600 undergraduate degrees and 900 graduate and professional degrees were conferred this spring. An additional 1,275 candidates (675 undergraduates and 600 graduate students) filed for degrees earlier in the year, bringing the total number of degree candidates for the 1990 academic year to 3,875.

Lawrence M. Friedman is assistant managing editor of Stony Brook.



“ Class of 1990, I hope you will be believers and doers who will take what we pass on to you and make it something better. Honor us by your works, and by your desire to be better than we have been. That is part of the American dream, that each succeeding generation will be a little smarter, a little stronger, a little surer than the one that preceded it. ”

— Governor Mario Cuomo, from his commencement address.



Stony Brook Teams Prepare for Fall Seasons

*The varsity teams begin the 1990 season determined to be successful.
The following are team previews for the upcoming campaigns.*

Women's Soccer

By Kenneth Alber

The Lady Patriots play a very ambitious schedule this season, competing against some of the finest teams in the Northeast. Head coach Sue Ryan expects her team to perform consistently after an up and down season in 1989.

"The youth of our team (six starting freshmen last season) contributed to a difficult season," said Ryan. "With the exception of a few programs, I found that we were able to compete with our opponents on the Division I level."

With the return of 13 players, and the addition of a very talented group of incoming freshmen, the Lady Patriots are building a reputation as a competitive team on the Division I level. Offensively, Stony Brook should be very strong, as last year's leading scorer, senior Marie Turchiano, returns to lead the attack. Joining her at forward will be sophomores Jen Cavallo and Adrienne Ruggieri.

"We're coming off the most challenging and productive spring season in the history of our program," said Ryan. "I've never had a group of players work as hard as this group. They are committed to being competitive on the Division I level, and we expect to have an excellent season."

Football

The football team expects to rebound this season after a disappointing 3-7 record in 1989. Head coach Sam Kornhauser was not pleased with last year's results but he was impressed with the development of the team's talented freshmen.

"We lost quite a few veterans to injuries last season, but that allowed some of our young talent to develop," Kornhauser said. "Those young players should be prepared to face our demanding schedule this year."

Five teams on the 1990 schedule finished the 1989 season with records of 8-2 or better. "We play a demanding schedule both in and out of the conference," he notes. "In the Liberty Football Conference, any team is capable of beating any other."

Leading the way on offense is sophomore halfback Oliver Bridges who rushed for a school record 1,235 yards and 14 touchdowns on his way to establishing 14 new university records last year. "We're looking for Oliver to pick up where he left off last year," adds Kornhauser.

The quarterback duties will be handled by junior Joe Moran. Last season, Moran became the starter midway through the season and guided the Patriots to victories in his first three starts. Leading the way on the defensive line will be senior defensive ends Mike Halkitis and Carl Hamann. "We have good size and depth across the defensive line," says Kornhauser. "We expect to be better at stopping the run and rushing the quarterback than we were a year ago."

Men's Soccer

In their final nine games last season, the men's soccer team finished with an impressive 6-2-1 record after an injury-filled first half. Head coach Jim Felix expects the 1990 squad to build on that momentum.

"We have a solid group of players from last season," says Felix. "Assuming our returnees come back healthy and ready to play we should be able to meet the challenges of a very difficult early season schedule."

Jim Felix's team will face one of the most challenging schedules in the nation playing against Division III power Rochester Institute of Technology (which has



WOMEN'S SOCCER

Sat, Sept. 8	at University of Hartford	1:00 p.m.
Sept. 15-16	Holiday Inn Tournament (George Mason, Rutgers and Vermont)	
Wed, Sept. 19	at Villanova University	7:00 p.m.
Sun, Sept. 23	at Colgate University	1:00 p.m.
Tue, Sept. 25	at Southampton College	4:00 p.m.
Fri, Sept. 28	University of Maryland, Baltimore County	4:30 p.m.
Sun, Sept. 30	University of Rhode Island	Noon
Wed, Oct. 3	at Princeton University	7:30 p.m.
Fri, Oct. 5	at Florida International	7:00 p.m.
Sun, Oct. 7	at Barry University	Noon
Wed, Oct. 10	Adelphi University	4:00 p.m.
Sat, Oct. 13	University of New Hampshire	11:00 a.m.
Wed, Oct. 17	St. John's University	4:00 p.m.
Fri, Oct. 19	Monmouth College	4:00 p.m.
Sun, Oct. 21	Boston College	1:00 p.m.
Wed, Oct. 24	at Columbia University	4:00 p.m.
Sat, Oct. 27	George Washington University	1:00 p.m.

FOOTBALL

Sat, Sept. 8	Ramapo College	1:00 p.m.
Sat, Sept. 15	Hofstra University	1:30 p.m.**
Fri, Sept. 21	at St. John's University	7:30 p.m.*
Sat, Sept. 29	Iona College	1:00 p.m.*
Sat, Oct. 6	C.W. Post	1:00 p.m.*
Sat, Oct. 13	Bentley College (Homecoming)	1:00 p.m.
Sat, Oct. 20	at Stonehill College	1:30 p.m.
Sat, Oct. 27	at U.S. Merchant Marine Academy	1:30 p.m.*
Sat, Nov. 3	at Worcester Polytechnic Institute	1:30 p.m.
Sat, Nov. 10	Pace University (Parent's Day)	1:00 p.m.*

* Liberty Football Conference Game
** Broadcast on SportsChannel



PHOTOS BY ROBERT O'ROURKE

made three consecutive final four appearances), NCAA Division III tournament teams Western Connecticut and Montclair State, nationally ranked Division I power Columbia University, and C.W. Post, an NCAA Division II tournament team in 1989.

"The key to our season will be how quickly the newcomers adjust to the system and each other," says Felix. "The team needs to gel as a unit early in the season and gain confidence in their own and their teammates' abilities."

Men's Cross-Country

Head coach Steve Borbet's 1990 squad contains a mix of returning letter winners and newcomers. Five of last year's top seven runners are returning, all of whom ran under 28 minutes for five miles.

Leading the way for the Patriots in 1990 will be senior Pat McMurray, last season's most valuable performer and the team's top distance runner. "We are looking for Pat to run close to 26 minutes," says Borbet, "and possibly lead us to an NCAA qualifying spot."

"Our goal is to be one of the top 20 cross-country teams in the nation," he continues. "We also have a chance to become the first Stony Brook cross-country team to qualify for the NCAA National Championships."

Women's Cross-Country

Borbet is also optimistic about the prospects for the women's team. "We have our top seven runners returning from 1989," he notes. "The top five have run under 22 minutes for 5,000 meters and with the addition of three very strong freshman runners, we expect to challenge for a spot in the NCAA Cross-Country Championships."

Leading the way for the Lady Patriots is senior captain Claudette Mathis. Mathis has been an NCAA qualifier in cross-country, indoor and outdoor track, and is an indoor track All-American. Mathis has a personal best of 17:56 in 5,000 meters and will shoot for a qualifying spot in this year's NCAA Championships.

"Like the men's team, our goal is to finish among the top 20 teams in the nation and qualify for the NCAA Championships," said Borbet. "We have a good chance to win both the Stony Brook Invitational and the Public Athletic Conference Championships, as well as to finish in the top three at the NYSWCAA Championships."

Women's Volleyball

Last season, the women's volleyball team posted a 30-12 record on their way to the second best season in the team's history. The Lady Patriots return many players from that talented group and have added some quality newcomers. Head coach Teri Tiso is excited about her team's possibilities in 1990.

"This year's team is a group of very athletic, enthusiastic and highly motivated women," says Tiso. "We have the potential to surpass last season's win total."

The team's strongest area is its hitting and offensive abilities. Sophomore outside hitters Meghan Dowd and Anastasia Nikas, junior Christine Casertano and freshman Julie Hubbard comprise a formidable attack. "We are coming into the season with the best hitting team I've ever had," said Tiso. "Our versatility and depth will enable us to run a more sophisticated attack on offense."

The 1990 schedule offers the Lady Patriots many challenges as they face five Division II opponents, one Division I opponent, and many of the top-ranked team's in Division III. In the Elizabethtown Invitational, scheduled for late October, the Lady Patriots will face last season's second- and ninth-ranked teams.

Kenneth Alber is Stony Brook's sports information director.

Alumni Key to Recruitment Program

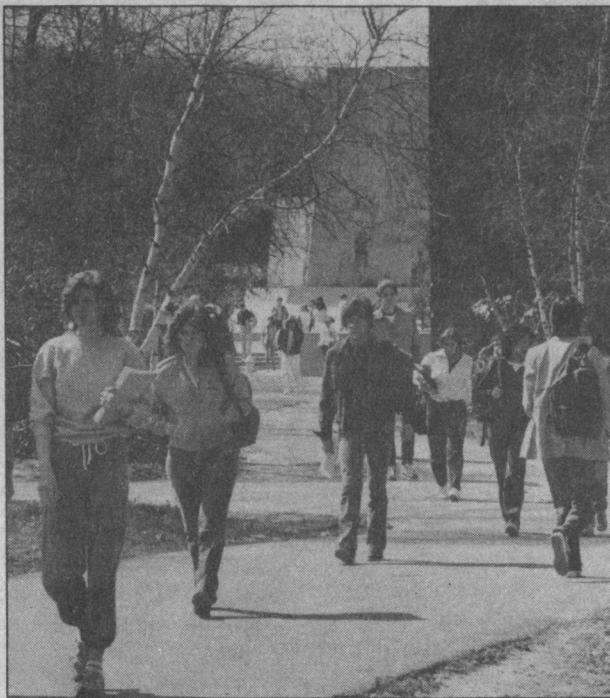
By Lawrence M. Friedman

Although it is just two-years-old, Stony Brook's Alumni Recruitment Program has already expanded beyond its initial base in Albany to include two additional New York cities, Rochester and Syracuse, and most of Massachusetts. Guided by Stony Brook's Office of Undergraduate Admissions, the program links alumni with high school students who might be unaware of Stony Brook as a choice for their undergraduate education.

"Our volunteers participate in high school programs and attend college and career fairs," says Alfred Sossi, assistant director of undergraduate admissions and coordinator of the Alumni Recruitment Program. They meet with both prospective students and guidance counselors to discuss what Stony Brook is all about and what it has to offer."

The efforts of alumni recruiters augment those of the admissions office, reaching geographic areas in New York and New England more thoroughly than was previously possible. Volunteers set their own schedules, and receive special training for their positions. The Alumni Association board works with the Office of Undergraduate Admissions to identify alumni who are willing to participate in the program.

"Volunteers often return to Stony Brook for a visit, to reacquaint themselves with the school they attended and to see how things have changed since they graduated," notes Sossi.



Stony Brook alumni are helping to recruit next year's freshman class.

The Alumni Recruitment Program began in 1988 with two Albany alums, David Lurie '71 and Robert Wishnoff '73.

"I've found that my Stony Brook degree has proved its worth," says Wishnoff, president of Human Resource Associates in Albany. "Through the program, potential students are given a realistic perspective, a clear picture of Stony Brook. And participating alums like myself have a good feeling representing the university."

Lurie, director of marketing and sales for Mohawk Office Products, Inc. in Schenectady, NY, agrees. "The feedback has been excellent from prospective students, counselors and parents. We want to let people in upstate New York know that there is a very fine university on Long Island. As an alum, it's a good way to make a contribution to the university, a rewarding way of staying active."

Sossi concurs. "For the alumni, this is a chance to become involved with Stony Brook. Many see it as an opportunity to give something back to their *alma mater*. It's a feeling of pride they share. The response has been wonderful."

For more information about Stony Brook's Alumni Recruitment Program, contact Alfred Sossi, Office of Undergraduate Admissions, 118 Administration, University at Stony Brook, Stony Brook, NY 11794-1901 or call (516) 632-6088.

CLASS NOTES

1964

Judith Intrator Rosenberg is practicing law as a partner in the firm of Wofsey, Rosen, Kweskin & Keriansky in Stamford, CT. Judith's areas of concentration are employment and personal injury litigation.

Attention!

Class of 1965: Circle October 13 on your calendar for your 25th class reunion.

1966

Mary Ann Derrico is a happily married homemaker with four boys, ages 4, 9, 12 and 15. Mary Ann and her husband are real estate owners, managers and developers.

1968

Charles H. Solomon is a supervising judge for criminal court in New York County. He lives in New York City.

1969

Jay Alperin continues with his dental practice and was elected to the Delray Beach City Commission by a landslide. Jay and his wife, Diane Elias '67, live in Delray Beach, FL with their two daughters, April, age 16, and Alyson, age 13. Diane is an associate professor in the Department of Social Work at Florida Atlantic University. * Frank Bass is a general science teacher in the Philadelphia School District. * Ann Corregan Courtney lives in Long Beach, CA. Ann is teaching high school, something she swore she'd never do, and is very happy being middle aged and middle class with her husband and son. * Mark and Judi Goldstein live in Radno, PA. Mark is a pediatric dentist in Philadelphia. * Lawrence Green is a senior manager and senior application specialist for Cahn Instruments Inc. in New Hope, PA. His wife, Laura Leventhal Green is the owner and manager of Empress Travel in Fairless Halls, PA. * David "Choke" Robbins is self-employed and living in Vermont. * Lawrence Rose is the director of the litigation skills program at the University of Miami. He lives in Coral Gables, FL. * Marilyn Schorr teaches mathematics at Brooklyn College. * Todd J. Wiener is a dentist in Tampa, FL. He and his wife, Doris, have two children, Jodi and Cheryl.

Attention!

Class of 1970: Circle October 13 on your calendar for your 20th class reunion.

1970

Julian Chernick recently returned from Seoul, Korea, where he participated in a joint United States-Korean Defense Methodology Seminar at the Korean Institute for Defense Analysis (KIDA). * Brian Doyle is associate director of the Sea Grant College Program at the University of New Hampshire. Brian, his wife Janet, and their 8-year-old son Brian live in Durham, NH. * Steve Pilnick received a Ph.D. in operations research from the Naval Postgraduate School in Monterey, CA. In February he became the commanding officer of the U.S.S. Roark, a navy frigate based in San Francisco.

1971

Arthur Eisenkraft is the science coordinator at Fox Lane High School. He is also the academic director of the United States team for the International Physics Olympiad. Arthur recently met with President George Bush at the White House and met with him in the Oval Office. * John M. Hogan received his law degree from Hofstra University School of Law. He served as an assistant district attorney in the Manhattan District Attorney's Office and was appointed a bureau chief. He and his wife, Patricia Lee Gaddis, have two children, Christine, age 8, and Michael, age 5. * Edward Meltzer received his M.B.A. from the University of Rochester and works as the treasurer for Intelligent Electronics in Exton, PA. Edward lives in Vienna, VA. * Marion (Shapiro) Resnick and her husband, Barry, have two children, Matthew, age 13 and Jeffery, age 10. Marion works as a sales manager with New York Telephone.

1972

Gerald Deutsch is teaching eighth grade science in Irvington, NJ. * John R. Goodman works as a clinical administrator directing clinical and marketing aspects of Transracheal Institute in Denver. John and his wife, Sharolene, live in Denver. * Steven Kessler was recently named vice president for group sales and service by Empire Blue Cross and Blue Shield. He is responsible for sales and service to the community-rated market segment representing groups insuring close to 1,200,000 employees and dependents. Steven and his family live in Peekskill, NY. Marissa Piesman works for the New York State Department of Law as assistant attorney general. In addition to practicing law, her first novel, *Unorthodox Practices*, was published last fall. Marissa and her husband, Jeffery, live in New York City.



Mitchell Wertzman '72 was named president of the dermatologic division of Neutrogena Corp. in Los Angeles. He received his Ph.D. in molecular biology from the University of Southern California. Mitchell and his wife, Jennifer, have two children and live in Los Angeles.

1973

Timothy Green works in health economics research with two other Stony Brook alumni. * Steve Gurnis was married in June, 1989 to Karen Mowery. The couple is expecting a baby in the fall. Steve currently works for Test Systems Division in Teterboro, NJ. * Martin Lupson is an employment manager for Nassau BOCES (Board of Cooperating Education Service). Martin earned his M.B.A. from New York Institute of Technology in 1988. Martin and his wife, Juliann Busch '71, live in Westbury, NY with their children Kate, age 11, and Sara, age 6. Julie is enrolled in a master's program to teach English as a second language. * Ken Feder works as an associate professor at Central Connecticut State University. Ken recently had his second book published. He lives in Simsbury, CT with his wife, Melissa. * Bill (William) Reuter works as a psychotherapist, compulsive gambler/addiction counselor at St. Vincent's Gamblers Treatment Center and is in private practice. Bill and his wife, Patricia Anne, live and work in Staten Island. * Sue (Wasserman) Kern graduated from New York Law School in June, 1989. She passed the New York Bar and took the California Bar. Sue, her husband, Hansel, and their daughter Rebecca Cari, age 1, live in North Fork, CA.

1974

Michael Dinan recently relocated from Mission Viejo, CA to his new home in Alpharetta, GA with his wife, Janice, and daughter Emily. Michael is an operation manager for Pandvit Corp. in South Cumming, GA. Michael and Janice are expecting their second baby in the fall. * Jack Irwin has a dental practice in the Park Slope section of Brooklyn. Jack recently married Randi Balaban. They reside in Brooklyn with his six-year-old son. * Francis J. Mueller works for Faulker Toyota as business, lease and sales manager in Bensalem, PA. Francis and his wife, Miriam, live in Philadelphia. * Sandy L. Stern works as an assistant vice president for Shearson, Lehman, Hutton in New York City. Sandy commutes in from Brooklyn. * Allen Wells was recently promoted to associate professor with tenure at Bowdoin College. Allen's area of concentration is Latin American history.

Attention!

Class of 1975: Circle October 13 on your calendar for you 15th class reunion.

1975

John McDonald lives in Riverhead, NY with his wife and four children. He is currently a third grade teacher in South Huntington, NY. * Robert J. Rennie received a master's degree in logistics management in 1986. Robert and his wife, Patricia Ford '77, have three children, Alison, age 8, Jillian, age 5, and Russel, age 2. Robert is a member of the American College of Health Care Educators. * Linda Schildktaut recently celebrated her ninth wedding anniversary to her husband Eddie Ginsberg. Linda is the associate director of the Merrin Gallery, the premier gallery of ancient art in the United States, where she has been employed for 11 years.

1976

Jody Blanke is an associate professor and chair of the computer science department at Mercer University. He lives in Atlanta with his wife, Charlene E. Silver, and their two children, Ilani, age 6, and Zachary, age 3. * Cara Lisa (Coahn) Burke is living in Bedford, NY with her husband, Martin, and three daughters, Leah, age 7, Holly, age 4, and Madeline, age 2.

continued on page 17

Alumni Association Welcomes New Board Members

At the annual meeting of the Alumni Association Board of Directors Saturday, June 9, six new alumni were elected to the board, three more were re-elected to two-year terms and others stepped down after years of service and dedication to the association and the university.

Elected to the board for the first time were Debbora Ahlgren '77, Peter Guerrero '72, Diane Sullivan Orens '66, Karen Persichilli '88, Norman Prusslin '73 and Richard Zuckerman '81. Marcos Lopez '87, Jacqueline Delaney '87 and Jay Schoenfeld '79 were re-elected to two-year terms.

"I know that each new member possesses the leadership necessary to meet the long-range goals of the Alumni Association," notes Ann Begam, director of alumni affairs and executive director of the Alumni Association. "I'm proud of the new additions to the board."

The new members represent a diverse group of Stony Brook alumni, living and working on Long Island as well as in cities across the United States. Debbora Ahlgren is cofounder and partner of Friedman-Ahlgren Associates, Inc., a primary market research and marketing communications firm dedicated to the high technology community based on Long Island. Debbora has been active in Stony Brook activities, cochairing the first annual Alumni Association 5K "Run for Scholarships" at last year's homecoming.

Peter Guerrero, associate director of the U.S. General Accounting Office (GAO) in Washington, DC, heads GAO's review of federal efforts to protect the environment from hazardous waste, air and water pollution and pesticides. Peter is also involved in

recruitment at the Harriman School on behalf of GAO.

Diane Sullivan Orens is executive vice president for Renaissance Capital Corp. on Long Island. Before that position, Diane was a social studies teacher in Massachusetts and Long Island.

Karen Persichilli is a social worker for the Landlord/Tenant Unit, District Council 37, of the Municipal Employees Legal Services Plan in Manhattan. Karen is also chair of the Metro New York Club advisory group, which plans events for recent Stony Brook graduates living and working in metropolitan New York.

Norman Prusslin is general manager of Stony Brook's own WUSB 90.1 FM and assistant director of student union and activities for media services. Norman is well known in the area of collegiate broadcasting, having recently been reelected chair of the board of directors for the Intercollegiate Broadcasting System, Inc., a member of the National Federation of Community Broadcasters.

Richard Zuckerman is an attorney with the law firm of Rains and Pogrebin, PC, specializing in labor and education law. Richard has been active in Stony Brook fundraising, serving as chair of the Stony Brook Annual Fund Council.

Three members of the board will return to serve two year terms. Marcos Lopez, who was a student founder of the Student Alumni Chapter, is a registered representative with Equitable Life Assurance Society of the United States in Philadelphia. Jacqueline Delaney, who was Stony Brook's first homecoming queen, is currently the operations manager for Chubb and Son, Inc. in Albany, NY. She will chair the Alumni Association Services Committee. Jay



Following the annual Alumni Association Board meeting, members enjoyed a reception at the Shorewood home of President John H. and Carol Marburger. Pictured, left to right: President Marburger, Susan Bonfield Herschkowitz '77, G '78, James Doyle '83, Jackie Delaney '87, Steve Bernardi '82, Grace Lee '78, Earle Weprin '77, Karen Persichilli '88, Sheldon Cohen '77, Jay Schoenfeld '79, Jackie Zuckerman '82, Glenn Greenberg '91, Richard Zuckerman '81, Willa Hall Prince '70, Fern Cohen '76, Norman Prusslin '73, Debbora Ahlgren '77, Frank Maresca '68, Diane Sullivan Orens '66 and Joe Buscareno '66.

Schoenfeld, formerly a legislative aide to state representative Steven Englebright, is assistant to the commissioner for the Suffolk County Department of Real Estate. Jay is also a board member of the Three Village Community Youth Services, Inc. and a trustee of the Three Village Democratic Club.

Following the board meeting, President John H. and Carol Marburger hosted a reception at their Shorewood home. President Marburger presented plaques to departing board members Grace Lee '78, Joe Buscareno '66, Willa Hall Prince '70, Frank Maresca '68, Thore Omholt '64 and Earle Weprin '77 recognizing their accomplishments and involvement with the Alumni Association.

"Each individual made a significant contribution to the growth of the Alumni Association," notes Begam. "They gave much of their time and energy to bringing the association forward during their years of service."

Grace Lee served on the board for 12 years, having served as president from 1987 - 1989 and chair of nominating committee this year, Grace has been invited to join the Annual Fund Council. Joe Buscareno served as treasurer and

member of the Annual Fund Council during the 14 years he served on the board.

Another former treasurer, Willa Hall Prince, leaves the board after six years of service. Frank Maresca, who hosted a luncheon at his office for visiting alumni, students and President Marburger on Legislative Day in Albany this year, also served six years. Representing one of the earlier graduating classes, Thore Omholt served for six years.

During his 14 years, Earle Weprin's contributions to the board include chairing the Services Committee. Under his leadership, a number of new benefits were begun including a MasterCard/Visa program, a new life insurance program and a freshman yearbook, which will be offered for the first time to this year's freshman class. Earle also coauthored the current Alumni Association bylaws with Leonard Spivak '64.

In other business, the board appointed the following officers for the coming year: President, Catherine Minuse '72; First Vice President, Jackie Zuckerman '82; Second Vice President, Sheldon Cohen '77; Treasurer, Jay Schoenfeld '79; and Secretary, Barry Seidel '78.

Connect for a Lifetime

Support of the Alumni Association through lifetime membership dues has built Stony Brook's alumni program. Alumni dues have supported the growth of special programs including Homecoming, class reunions, regional club and travel programs, awards and scholarships and the university's growing Student Alumni Chapter.

To maintain this level of activity, the Alumni Association Board of Directors has established lifetime membership dues at \$160 and alumni couples membership at \$250. Your support today will provide high-quality programs and services for alumni and students in the years ahead.

In addition to supporting the Alumni Association, members receive discounts on university events as well as on alumni programs and activities.

Yes, I would like to join the Alumni Association

Individual Lifetime Membership, \$160 Alumni Couple Membership, \$250

Name: _____

Address: _____

Class Year: _____ SS#: _____

Business: _____

Title: _____

Home Phone: _____

Business Phone: _____

If paying by VISA/MasterCard, please include the following information:

Card #: _____

Expires: _____

Please make checks payable to Stony Brook Alumni Association. Send this coupon to the Office of Alumni Affairs, 330 Administration, University at Stony Brook, Stony Brook, N.Y. 11794-0604. Payment can be made in two installments. For more information, contact the Office of Alumni Affairs at (516) 632-6330.



Philadelphia Dinner a Winner

A dinner event for Philadelphia-area alums held at Ovations-The Club at the Philadelphia Spectrum was a great success. Among the many who turned out for the evening were Robert LeRoy '80, Joan Brecker LeRoy '81, Marcos Lopez '81 (chair of the Philadelphia club), Andrea Brooks G '88 and Stuart Sharoff '81.



A Muddy Good Time

"Blood, Sweat and Beers" emerged victorious at the Fourth Annual Student Alumni Chapter's Oozeball Tournament held in Eleanor Roosevelt Quad Sunday, April 29. Sixteen teams competed for the top honors in the mud volleyball tournament. The first place team won a semester's membership at the Fitness Connection in Stony Brook.

CLASS NOTES

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1977

James Ferguson was the 1989 New York State Surfing Champion. * **Stan Levenshus** has a chiropractic practice in Forest Hills, NY. Stan and his wife, Louise DiGia, also a chiropractor, are starting a home office in Westchester this fall. * **Frank Maglio** works for the Suffolk County Department of Labor Planning Unit as a labor specialist. Frank and his wife, Sylvia, live in Setauket, NY. * **Mitch Maiman** is a physician at the Downstate Medical Center in Brooklyn and assistant professor of gynecologic oncology at SUNY Health Science Center at Brooklyn. Mitch and his wife, Judy Levy, live in Jamaica Estates, NY, with their two children, Melanie, age 3 1/2, and Richie, age 6 months. * **Gary M. Pess** recently became a diplomat of the American Board of Orthopedic Surgery. He is a partner in Central Jersey Hand Surgery in Monmouth County, NJ. Gary has three children, Matthew, age 5, and twin daughters, Rachel and Rebecca, age 3. * **Edward Reiner** recently joined Simon & Schuster in New York City as director of business operations for the Trade Press Group. Edward lives in Ossining, NY, with his wife, Susan, and their 2-year-old son.

1978

Linda Andrecs Bernstein works at Stony Brook's University Hospital as an administrator of the clinic and anatomic pathology laboratories. Linda had her second daughter, Alyssa Nicole, April 17, 1989. She lives in Setauket with her husband, Gary, and daughter, Jennifer Michelle, age 5. * **Candace Brower** is completing a Ph.D. in music theory at the University of Cincinnati's College of Conservatory of Music. Candace has accepted a position at Northwestern University as assistant professor of music. * **Arthur Engelberg** was awarded a master's degree in linguistics from the University of Chicago in June 1981. He also has an advanced paralegal degree. * **Ronnie Kronengold** and his wife **Debbie Menchel '77** have two children, ages 5 and 1, and are celebrating their tenth wedding anniversary. * **Matthew D. Lake** is married with a son. Matthew is working in research and development for a biomedical company. * **Adam Propper** works as a chiropractor in Westport, CT. He and his wife, Ginger, relocated to Westport in 1988. * **Zigmunds A. Putnins** works for Timeplex and was promoted to manager of voice product development. "Zigi" and his wife, Cathy, live in Ridgewood, NJ, with their family. * **Phillip Schertz** is a regional vice president for Pegasus Capital Corp., based in San Francisco. Phillip and his wife, Lynne Susan Shapiro, live in Wayne, NJ.

1979

Bill Berger works at the New York Founding Hospital as a systems manager. Bill and his wife, Nancy, had their second child, Jodi, in February. * **Allan Anthony Kerin** received internship designation in Casualty Actuarial

Society. Allan is an actuarial consultant with the Insurance Services Office. Allan lives with his wife, Eileen, in Long Beach, NY. * **Dona Marie (Nigro) Lee** was promoted to marketing manager with Newport News Shipbuilding. Dona and her husband, William, live in Newport News, VA. * **Robert A. Michaels** founded the RAM TRAC Corp. Robert and his wife, Eileen, live in Niskayuna, NY, with their two children. * **Johanna O'Brien** is assistant vice provost for undergraduate studies at Stony Brook. * **John Reiner** is a nationally known cartoonist based in Huntington, NY. John's work appears in many newspapers coast to coast, including *Newsday* and *The New York Times*. * **Mitchell A. Saunders** works as a cardiologist at the North Suffolk Cardiology Center. His wife, **Claudia Serot** received her Certificate in Social Work from Adelphi University in 1985. Mitchell and Claudia have two daughters and live in Stony Brook. * **Brad Teplitzky** graduated from Boston University School of Graduate Dentistry in 1985 and opened his own practice in Brooklyn in 1988. * **Tom Smyth** received an M.B.A. from Hofstra University in 1988 and works as an auditor for Dime Savings Bank of New York.

Attention!

Class of 1980: Circle October 13 on your calendar for your 10th class reunion.

1980

John Casey and his wife, **Deborah**, own their own sign installation business in Danbury, CT. They create signs and brochures for real estate companies in Western Connecticut. John and Deborah live in New Fairfield, CT. * **Joseph Corrado** opened his own law office in Garden City, NY. Joseph and his wife, Diane, live in Bellmore, NY. * **Michael Irizarry** works as a physical therapist. He and his wife are expecting their third child in December. They have two children, Taryn, age 5, and Andrea, age 3 1/2. * **Robert LeRoy** works as a senior engineer for General Electric Astro Space. Robert and his wife, **Joan Brecker '81** live in Hatboro, PA. * **Steven Rosenfeld** has been chair of the piano department at Detroit's Center for Creative Studies Institute of Music and Dance since 1987.

1981

Kimberly Ann Affronti works as an assistant district attorney in Queens County, NY, assigned to the supreme court bureau handling jury trials. Kimberly lives in Bay Ridge, Brooklyn with her husband, Anthony Colondreo. * **Pasquel Bianculli** is a classical guitarist and is on the faculty at the United Nations International School and the Bronx Music School. * **Mary Ann Capasso Castrogiovanni** received her master's degree in computer science from New York Institute of Technology in 1988. She presently works as a supervisor for Superpharm Corp. in Bayshore, NY. Mary Ann and her husband, **Joseph Castrogiovanni '79**, live in

Please Take a Moment . . .

Comments and ideas from Stony Brook alumni are valuable to the continued growth of the Alumni Association. This brief survey is intended to identify how the Alumni Association can best serve you. Please take a few minutes to fill out the survey and return it to the Office of Alumni Affairs by Oct. 30. We will use your input and suggestions to help plan future events and activities. Thank you for your cooperation.

1. Are you currently a member of the Alumni Association?

- Yes No

2. How many alumni association events have you attended in the past 18 months?

- None 1-3 4-6 Over 6

3. Would you attend an alumni association sponsored event:

- On the Stony Brook campus
 In my city/region
 Neither

4. What kinds of alumni association events would you attend?

(Check as many categories as you like.)

- Homecoming
 Reunions:
 Class Year Departmental Residence Hall Club/Organization
 Dinner with the university president in my city
 Breakfast with faculty speakers in my city
 Breakfast with alumni speakers in my city
 Faculty presentations in my city
 Dinner with other alumni in my city
 Special events (cruises, ball games, picnics, etc.)
 Athletic event (please specify) _____
 Professional development (please specify) _____
 Other (please specify) _____

5. I prefer to attend events on:

- Weekends Midweek days Midweek evenings

6. The maximum fee for an alumni association event should be:

- \$5 to \$10 per person
 \$11 to \$20 per person
 \$21 to \$30 per person
 \$31 per person or above

7. In what way would you like to participate in the alumni association?

(Check as many as you like)

- Provide career counseling for future alumni
 Run for a seat on the alumni association board of directors
 Help the university with recruitment
 Attend events
 Become a lifetime member of the alumni association
 None of the above
 Other (please specify) _____

8. Please list the degree(s) you received from Stony Brook and the year and academic area in which you received it:

- Bachelor's degree in _____ Class Year _____
 Master's degree in _____ Class Year _____
 Doctoral degree in _____ Class Year _____
 Other (please specify) _____ Class Year _____

9. Please tell us about yourself:

Name (optional) _____

City _____ State _____

The Alumni Association Membership Committee: Debhora Ahlgren '77, Jackie Delaney '87, Susan Bonfield Herschkowitz '77 G'78, David Rokoff '68 and Jackie Zuckerman '82 (chair). Please return to the Office of Alumni Affairs, University at Stony Brook, 330 Administration, Stony Brook, NY 11794-0604.

Smithtown, NY with their son, Louis Joseph. * **Bonnie (Rosenthal) Colleluori** works as a branch manager and assistant vice president for Bowery Savings Bank in Bayshore, NY. Bonnie and her husband, Robert, live in Levittown, NY with their son, Robert Scott. * **Glen Held** works for Rugby-Darby in Westbury, NY as a senior marketing associate in the medical division. Glen is also pursuing an M.B.A. from New York Institute of Technology. * **Lawrence M. Hore** is a self-employed podiatrist in Ridgecrest, CA, a small desert and mountain community. He wrote a chapter for the textbook, *Sports Medicine of the Lower Extremity*. Lawrence and his wife, Angela, live in Ridgecrest. * **Joan Brecker LeRoy** works as an attorney for McEldrew, Quinn, Scace & Selfridge in Philadelphia. * **Jeanne Lisella** opened her own chiropractic

office in Lords Valley, PA. Jeanne has worked as a chiropractor for four years and is a member of the Pennsylvania Chiropractic Association Council on Nutrition. * **Martin E. Marks** is a member of the law firm of Segal & Greenberg, P.C. He specializes in real estate law. Martin is married to **Sheryl Lynn Cohen '80**. * **Chanda Bullock-Ogburn** is married and currently works at St. Luke's Roosevelt Hospital Center. * **Stuart Sharoff** works for Merrill Lynch as a vice president of regional equity trading in Philadelphia. Stuart received his M.B.A. from Hofstra University in 1983. He and his wife, Roxane, live in Broomall, PA. * **Henry J. Tanzil** received a degree as a doctor of optometry from SUNY College of Optometry, June 1989. * **Bruce Weiss** recently finished producing "The Unbelievable" *continued on page 18*



Margaret Titone (left) and Barbara Murray (right) are congratulated by Paul Edelson, dean of the School of Continuing Education.

Teachers Receive First Hugh J.B. Cassidy Award

Barbara Murray, a teacher in the Sachem School District, and Margaret Titone, an early-intervention teacher for handicapped infants, were the recipients of the Alumni Association's first annual Hugh J.B. Cassidy Award during Stony Brook's 30th commencement ceremonies May 20.

Murray, a resident of Bayport, NY, teaches biology at Sachem High School's South Campus. During her two years there, she has bridged the distance between high school and university time and again. She has brought her students to Stony Brook, visiting the School of Allied Health and the Marine Sciences Research Center, among others, and has arranged for university faculty members to talk to her classes.

"I can't imagine how empty my professional and personal life would be without Stony Brook and all its wonderful people and programs," she said. "The CED (School of Continuing Education) program was definitely the right choice for me. Stony Brook has

enabled me to do more for my students than ever before."

Titone, who lives in Rocky Point, NY, works with handicapped infants and their parents at St. Charles Educational and Therapeutic (E and T) Center in Port Jefferson, NY. She has developed a curriculum for the center that evolved from work she did during CED English courses. She edits the St. Charles E and T Center newsletter, and she leads a Bible study group for the St. Louis de Montfort Parish.

"The Alumni Association is proud to present this award," said Ann Begam, director of alumni affairs. "Joe and Betty Cassidy established the award in memory of their son to express their devotion and commitment to Stony Brook students."

Current students in the CED program are eligible to be nominated for the award. Winners are selected by a committee of members of the Alumni Association Board and a representative from the CED.

CLASS NOTES

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Truth." He is the president of Bruce Weiss Productions and The Fiction Pictures. In April, Bruce filmed a segment of his next film, "Trust" at the Smithtown Luncheonette, just 15 minutes from campus. Bruce and his wife, Elizabeth Benson, live in Brooklyn.

1982

Ron Goldberg has been a member of the New York Stock Exchange since December. Ron also is a freelance photographer and writer. * Deborah R. Grosser is teaching at Glen Cove (NY) High School and is an adjunct instructor at Nassau Community College. * Morgan Havens was an F-14 pilot in the United States Navy until June, 1990. He is now a pilot for American Airlines. Morgan and his wife, Sherry Sizemore, live in Virginia Beach, VA. * Dolores Bindrum-Johnston works at Stony Brook in the Office of Undergraduate Admissions as an admissions adviser. * Steven S. Rauch works as group vice president of audio-visual systems for Electronic Systems Associates in New York City. Steven, his wife and child live in West Orange, NJ. * Steven H. Reichman is the director of product development and engineering for Home Diagnostics, Inc. Steven received his master's degree in electrical engineering from Polytechnic Institute in 1984 and an M.B.A. from the University of Pittsburgh in 1985. Steven and his wife, Sharon, are expecting their first child. They live in Monmouth, NJ.

1983

Marilyn H. (Gorfien) King received a master's degree in engineering and policy from Washington University in St. Louis. She works at the

University of Arizona as project coordinator. Marilyn is a freelance writer and environmental activist. She and her husband, John, live in Tucson, AZ. * Lois P. Mignone was appointed chair of the foreign language department at SUNY College at Farmingdale. * Pat Paddock and her husband, Kenneth, have two sons, Sean, age 4 and Robert, age 1. They are expecting their third child this October.

1984

Eileen Elizabeth Barbehenn owns her own art studio. She received a special award from the National Art League for drawing. Eileen and her husband, Peter Pettingill, were married in 1985 and live in Dover, NH. Peter is an examiner for Liberty Mutual. * Tara O'Donnell-Carr and her husband, Alan Carr '83, will celebrate their second wedding anniversary in October. * Adam Klein won first prize in the Center for Contemporary Opera's International Opera Singers' Competition. * John Lange is a member of Actors Equity and has performed with Robby Benson and Karla DeVito in *Evita* on Broadway and in the musical *Chess* during the summer of 1990. * Vernon Lee is a child protector social worker in New York City. * Christina Manos graduated from Downstate Medical School, Brooklyn in 1988. She is a second year resident at Mt. Sinai Medical Center. Christina is scheduled to complete her residence training in June, 1992. * Cheryl Mintz is the stage manager of the Broadway musical *A Change in the Heir*. Cheryl is on staff as stage manager of the New York University Graduate Theater Program. * Laura Perratto graduated from the University of Pennsylvania School of Dental Medicine in 1988. Laura is practicing in Bohemia

and East Setauket, NY. * Grant Pudalor works for the firm of Plump, Smith & Seltzer, PC, specializing in real estate law. Grant married Ann Laurie Rosenberg last December and lives in Manhattan. * Joe Rimland received his Ph.D. in molecular biology and biochemistry from Wesleyan University in May. Joe is at Yale University's School of Medicine as a postdoctoral fellow. * Dawn Carol Rowan received her master's degree from Syracuse University's School of Information Studies. * Keith L. Schwartz completed a general practice residency program in dentistry at King County Hospital. Keith works as an associate in a general dental practice in the Bronx. * Helga H. Sherwood is a member of the Class of 1991 at Northwestern University's J.L. Kellogg Graduate School of Management in Evanston, IL.

Attention!

Class of 1985: Circle October 13 on your calendar for your 5th class reunion.

1985

Howard Berkman is a software support ana-

lyst for Cablevision Systems Corp. in Woodbury, NY. Howard has been with Cablevision since receiving his M.B.A. in management information systems from SUNY Albany. * Joseph G. Bowe, Marine First Lieutenant, reported for duty at Marine Corps Air Station El Toro in Santa Ana, CA. Joseph joined the Marine Corps in 1985 and received a law degree from Fordham University in 1988. * Diane Atnally Conlin received a scholarship from the American Academy in Rome for classical studies and archaeology. * Mark Funsch works for Greenwich Capital Markets in Financial sales. Mark is an M.B.A. candidate at Fordham University and lives in Greenwich, CT. * Monica L. Garizio lives in Sunrise, FL and works for SunBank (Miami) as a manager of information systems. * Maura P. Heslin received a master's degree in elementary education. Maura is teaching fourth grade in the Bronx. * Steven Kohlhepp received a master's degree in business administration at Adelphi University. Steven works as a supervisor for the accounting department at Donaldson, Lufkin & Jonrette Securities Corp. in New York City. * Mike Ruggieri provides software support to the payload processing portion of National Aeronau-

What Have You Been Up To ?

Changed jobs or moved to a new community?

Added a new member to the family?

Have an unusual story to tell?

Share your news with classmates and friends. Just fill out this form and tell us what you've been up to.
Return to *Class Notes*, c/o the Office of Alumni Affairs, 330 Administration,
University at Stony Brook, Stony Brook, NY 11794-0604.

Name _____ Social Security # _____

Degree & Major _____ Class Year _____

Current Address _____ Home Phone _____

Business Address _____ Business Phone _____

Job Title / Description _____ Employer _____

Spouse's Full Name _____

What Have You Been Up To? _____

Baltimore Alums Go Out to the Ball Game

Perfect baseball weather greeted more than 40 Stony Brook alumni and their families and friends who enjoyed the New York Yankees and Baltimore Orioles at Baltimore Memorial Stadium June 10, 1990.

Always a popular event among Washington area alumni, the Yankees have made it more so by consistently winning on the day the Stony Brook crowd attends the game. This year was no exception as they beat the Orioles 5-2.

Living a Childhood Fantasy

By Sue Risoli

Every child has a fantasy but not every fantasy comes true. It has for Aldona Jonaitis '69.

As a young girl growing up in Manhattan, Jonaitis spent every spare moment at the American Museum of Natural History. Spellbound by the artworks featured in North American Indian displays, she dreamed of one day becoming an explorer who could travel to distant reservations to see them firsthand.

Today, Jonaitis is a well respected art historian, author and anthropologist who specializes in northwest coast Indian art. Her beloved museum has named her to a vice presidency created especially for her. Charged with redesigning displays, she travels to Indian homelands to consult with tribal elders. Better still, she invites them to Manhattan to see the museum for themselves.

Sound like the stuff screenplays are made of? Fortunately for Jonaitis, it's all real. After serving as Stony Brook's vice provost for undergraduate studies for two years, she left the university last fall to assume the newly created post of vice president for public programs at the American Museum of Natural History. Along the way she received a bachelor's degree in art history from Stony Brook in 1969 and served as lecturer and chair in Stony Brook's Department of Art. She also holds master's and doctoral degrees from Columbia University in art history and archaeology.

Jonaitis is responsible for the museum's education and exhibition departments and for its planetarium. "It's all of the programs that interface directly with the public at large," she explains. She calls her position "a fantasy job come true."

"The American Museum of Natural History is one of the most important natural history museums in the world," she says. "There are very few others that even approach it in size and significance, scientifically and in terms of public displays. It also has the finest collection of northwest coast Indian art in the world,

and that's the material I study."

But even with the museum's tremendous potential, she claims, there's work to be done. "The museum is not as innovative or forward-looking as it might be in terms of displays," Jonaitis explains. "It used to be that when you had an ethnic graphic display, such as 'peoples of Africa' or 'peoples of the northwest coast', you'd show a group of masks and figures and people sort of living in huts. Visitors to the museum would say, 'Oh, how interesting,' but there'd be a sense that those displays represented a culture that has disappeared."

These cultures are very much alive, Jonaitis reports, and she wants the museum's displays to reflect their vitality. Toward that end, she's begun working with the Indians themselves on forthcoming exhibits. "I go to them and say, 'What would you like the story line to be? Then I interview them and we work on a story line together.'" She's met with a group of Nuu-Chach-Nulth Indians at the museum, and hosted a delegation of Kwakwaka'wakw Indians this spring. "For some, it was the first time they left their British Columbian homeland," she notes. "It was the first time they've ever been invited to the museum to participate in the planning of an exhibit."

How do they react to the invitation? "They were delighted," Jonaitis says. "They were excited that people are going to see them as a thriving, active culture, and they're happy that people want to hear what they have to say."

Though Indian reservations may seem a long way from Stony Brook, for Jonaitis it's been a natural progression. "As a child I was very intrigued by canoes and totem poles, and the art just struck me as wonderful. Then I got to graduate school and made the most remarkable discovery: I can specialize in this material!"

As a faculty member and administrator at Stony Brook, Jonaitis became increasingly involved in issues of education and public outreach. Being at the museum, she says, "ties everything together."

She's now working on a book on the Nuu-Chach-



Aldona Jonaitis

Nulth, having written several others on northwest coast Indians, the most recent being *Art of the Northern Tlingit*, published in 1986. Though she revels in her research and her new job, she confesses a nostalgia for Stony Brook.

"I was there for so long that it was more 'me' than anything else in my life," Jonaitis recalls. "And I miss the contacts with students and staff."

She plans to return to campus occasionally with husband Gene Lebovics, a faculty member in the Department of History. But there are other ties as well.

"I'm an alumna of the university and I'll never really leave it," Jonaitis says. "I'll always be connected to Stony Brook. That makes me feel good."

CLASS NOTES

tics and Space Administration's (NASA) Space Shuttle program at the Kennedy Space Center and is a systems analyst for McDonnell Douglas Space Systems Co. Mike lives in Titusville, FL. * **Todd Shinnick** graduated from St. George's University School of Medicine in June. He will start his residency in internal medicine at St. Luke's Hospital in New York City. Todd lives in Rego Park, NY.

1986

Lewis Baretz is completing a master's degree in public administration at Baruch College in New York City. Lewis works in television production. * **Joseph A. Cebollero** is a pharmaceutical representative for Wyeth Laboratories in New York City. Joseph and his wife, **Claudia Termini '85**, live in Jackson Heights, NY. They celebrated their second wedding anniversary in August and had their first child this past summer. Claudia teaches in the New York Public School System. * **Salvator Florio** graduated from Medical College of Virginia School of Dentistry in June and will enter the University of Texas Southwestern Medical School for his last two years of training. Salvator lives in Irving, TX. * **Andrea Goodstein Stolzenberg** is a high school English teacher at Syosset High School. Her husband, **Howard Stolzenberg**, works for Weiner, Aliano & Catlett as an attorney. They live in New Rochelle, NY. * **Valerie J. Hillicus** was promoted to Navy Lieutenant and reported for duty at the Naval Supply Center in Oakland, CA. She joined the Navy Reserves in September, 1986. * **Dennis J. Jakiela** works for American Cyanamid Co. in Stamford, CT as a synthetic organic chemist. * **Lisa Johnson** teaches music theory at SUNY College at Purchase and plays woodwind instruments for various Broadway shows. * **Steven Kaufmann** is a sales executive working on Wall Street for Reuters Information Services. *

Jeanne M. Kidd is a third year graduate student in sociology at Stony Brook. * **Lauren E. Meyers** has made five television commercials (two national) and has joined the Screen Actors Guild. Lauren works as an assistant traffic coordinator for McCaffrey & McCall Advertising in New York City. * **Sandy Pusey** works at the Charleston Naval Shipyard as a nuclear engineer for the Department of Defense Steam Generator Cleaning Group. Sandy bought a beach house on the Isle of Palms, SC, after Hurricane Hugo. * **Barry Sadler** has been accepted to the urological surgery residency in the SUNY Buffalo Consortium of Hospitals. Barry married Sheri Sachs in August. * **Lisa J. Shuman** is a recent graduate of Hofstra University School of Law. * **Michael Singer** married **Claudia Kosacolsky** on Sept. 24, 1989. Claudia received her master's degree in biology from Hofstra University and is pursuing her Ph.D. in pathology at Boston University. Michael received his master's degree in chemistry and is continuing on to his Ph.D. in chemistry at Brandeis University. They live in Watertown, MA. * **Mark F. Smith** received his MBA in finance and accounting from Hofstra University. Mark works as a senior financial analyst for Entermann's Inc. * **John Wissmann** completed his M.B.A. at Fordham University last December and is presently working for International Paper in Tuxedo, NY as a research associate.

1987

Roy T. Asfar received his master's degree in English and American literature from New York University in February. Roy works at the world news desk for Reuters Information Services, the British World Press Agency in Whitestone, NY and lives in New York City. * **Celeste M. Bryant** joined the United States Peace Corps as a rural development agent in Senegal beginning in June. Celeste received a master's degree in social

work from the University of Pennsylvania. * **Lisa (Queenan) Cervera** teaches seventh and eighth grade English at St. Demetrios School in Astoria, NY. She will begin her graduate study in linguistics at Stony Brook this year. Lisa and her husband, Stephen, celebrated their first wedding anniversary in July and live in Bay Shore, NY. * **Michael Cincotta** graduated from Hofstra University School of Law in May and will practice personal injury law in Manhattan. * **Joseph Ettari** works as a chemist for Esté Lauder in Melville, NY. Joseph lives in Brentwood, NY. * **Barbara Susan Green** works for Massachusetts General Hospital in Boston as a biochemist. Barbara married **Christopher Jay Whitbeck** last August. Christopher teaches at The Lincoln School in Brookline, MA. Barbara and Christopher live in Cambridge, MA. * **Debbie Law** works as an investigator for Citicorp/Citibank in Washington, DC, and is an M.B.A. student. **Steven Law** is an electronics engineer for the Department of the Navy and is working on his master's degree in engineering. * **Marcos R. Lopez** works for Karr Barth Associates. Marcos is a member of the Alumni Association Board of Directors and lives in Philadelphia. * **Mary Rose Martorell** is presently a student pursuing a master's degree of fine arts in sculpture after leaving psychology as a profession. * **Joe Lugay** is in dental school. * **James V. McSweeney** was designated a naval aviator after 18 months of flight training. * **Sondra M. Middleton** graduated from the Duke University School of Medicine Physician Assistant Program last year. She is now working at Beth Israel Medical Center in the Peter Kruege Infectious Disease Clinic. * **Gerard Joseph Tirpak** lives in New Hyde Park, NY. He works at North Island Facilities in Manhasset, NY. * **Dan S. Waskow** lives in Philadelphia. He is as a sales representative for the Philadelphia '76ers.

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Raising Dollars for Scholars

Richard Romanski (left), event chair and senior vice president, Digital Communications Corp., and former New York Yankee pitcher and hall of famer **Whitey Ford** (right) were among 180 golfers who turned out for the Stony Brook Foundation's "Score for Scholarships Golf and Tennis Tournament." The May 14 event, held at St. George's and Port Jefferson at Harbor Hills country clubs, was followed by a dinner at the Port Jefferson club to acknowledge all those who supported and attended the tournament. After the last putt was sunk, more than \$26,000 was raised for undergraduate scholarships at Stony Brook.

HOMECOMING

SCHEDULE OF EVENTS

Thursday, October 11

- 4:00 p.m. **Stony Brook Indoor Sports Complex Ribbon-Cutting Ceremony** SB Indoor Sports Complex.
- 5:30 p.m. **Stony Brook Indoor Sports Complex Tours.** (begins from the lobby)
- 5:30 p.m. **Faculty/Staff vs. Students Volleyball Challenge.** SB Indoor Sports Complex-East Wing.
- 10:00 p.m. **Homecoming King and Queen Crowning and Masquerade Ball** SB Union Ballroom.
- 2:00 a.m. Traditional passing of the crown to this year's king and queen and Homecoming kick-off.

Friday, October 12

- Noon- **Homecoming Street Fair** Center Drive between SB Union and SB Indoor Sports Complex, WBLI-Live Broadcast
- 7:00 p.m. **Homecoming Jazz Band,** Center Drive between SB Union and SB Indoor Sports Complex. Pat Johnson presents Touché.
- 2:00 p.m. **Homecoming Inter-Fraternity Sorority Council Tug-of-War Challenge.** Varsity Softball Field.
- 3:00 p.m. **Department of Chemistry Colloquium.** C-116, Chemistry Building. With chemistry alumni.
- 4:00 p.m. **Dinner al fresco.** SB Union North Patio.
- 4:30 p.m. **Staller Center Variety Series, Flying Karamazov Brothers.** Main Stage, Staller Center for the Arts. "They are as nimble of wit as they are deft of hand," says New York Magazine's John Simon. "They handle the audience as cleverly as the cleavers, clubs, knives and other imaginable and unimaginable objects they juggle." \$18.50, \$16.50 and \$14.50.
- 8:00 p.m. **SAB Concert.** DeLaSoul, Boogie Down Productions- "KRS-ONE"
- 9:00 p.m.

Saturday, October 13

- 9:30 a.m.-2:00 p.m. **Homecoming Alumni Registration and Refreshments.** SB Union Lobby. (Coffee and Pastries 9:30 a.m.-11:30 a.m., refreshment swill be served throughout the afternoon.)
- 10:00 a.m. **Parents Breakfast.** University Club, Chemistry Building. Hosted by the Stony Brook Alumni Association and the Vice President for Student Affairs.
- 10:00 a.m. **Campus/Stony Brook Indoor Sports Complex Tours.** Continuing every hour on the hour, from the SB Union Lobby
- 10:30 a.m. **Homecoming Parade.** Begins at Tabler Quad and continues throughout the quads, ending at the Street Fair
- 11:00a.m. **Women's Soccer Game: Lady Patriots vs. University of New Hampshire** Soccer Field
- Noon- **Taste of Long Island.** at the Street Fair.
- 4:00 p.m. Representatives from Long Island eateries will be on hand offering samples of their cuisine.
- Noon- **Homecoming Street Fair.** Center Drive between SB Union and SB Indoor Sports Complex.
- 7:00 p.m.
- 1:00 p.m. **Football Game: Patriots vs. Bentley College Falcons,** Athletic Field.
- 1:00 p.m. **Department of Chemistry Alumni Reunion.** Chemistry Lobby.
- 3:00 p.m. **Department of Biology/ Biochemistry Alumni Reunion.** Life Sciences Lobby.
- 3:00 p.m. **Department of Computer Science Alumni Reunion.** Computer Science Lobby.
- 3:00 p.m. **Orientation Leaders Alumni Reunion.** Jacob K. Javits Lecture Center Lobby.
- 3:00 p.m. **School of Medicine Alumni Reunion.** Gallery, 3HSC.
- 3:00 p.m. **Student Polity Association Alumni Reunion.** End of the Bridge, SB Union.
- 4:30- **International Food Festival.** SB Union North Patio.
- 7:00 p.m.
- 5:00 p.m. **Alumni Association Awards Presentation.** University Club, Chemistry Building. Presentation of the Distinguished Alumnus and Outstanding Professor Awards. Reception follows.
- 6:30 p.m.-midnight **Child Care.** 226 SB Union. Provided by the Alumni Association. \$3 per child.
- 7:00 p.m.-midnight **Alumni Reunion Dinner Dance.** SB Union Ballroom. With members of the classes of 1965, 1970, 1975 and 1980. \$22 per person.
- 7:00 p.m. **Class of 1985 Reunion.** End of the Bridge, SB Union. \$5 per person.
- 9:00 p.m.-2:00 a.m. **Casino Night and Dance Party.** SB Indoor Sports Complex East Wing.

Sunday, October 14

- 7:30 a.m. **Check-In for 1 Mile Fun Run and 5K Run for Scholarships.** SB Indoor Sports Complex Lobby. Preregister through the Office of Alumni Affairs, Administration 336.
- 10:00 a.m. **Homecoming Pancake Brunch and Trophy Presentation.** SB Union North Patio. A traditional brunch served by members of the university faculty and staff, and President and Mrs. Marburger.

Homecoming '90 is sponsored by the Stony Brook Alumni Association, the Department of Student Union and Activities, the Division of Campus Residences, Faculty/Student Association, the Division of Physical Education and Athletics, Student Polity Association, University Dining Services and the Vice President for Student Affairs. For more information call the Office of Alumni Affairs, (516) 632-6330.

CLASS NOTES

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1988

Suzanne Balaes was awarded a fellowship at the Tanglewood Music Festival this summer. She received her master's degree in vocal performance from the New England Conservatory in Boston this past May. * Bibiana M. Barnes lives in Largo, MD. She received officer commission into the Air Force May, 1988. She began active duty August, 1988 at Andrews Air Force base in Washington, DC as staff nurse on the medical ward. * Adam Bell is pursuing a Ph.D. in biology at the University at Buffalo. * John Hain received his Ph.D. in August, 1988 from the Koch Group. He has accepted a job at Ethyl Corp. * Marcus Boehm received an National Institutes of Health (NIH) postdoctoral fellowship to continue his research at Columbia Uni-

versity on photoaffinity labeling of retinal receptors in the eye. * Andrea Brooks is working for the Wharton School Alumni Office part-time until she returns to school this fall for a doctoral program. Andrea is the former director of alumni affairs at Stony Brook. * Kurt Coble has been serving as acting concertmaster of the Harrisburg Symphony Orchestra and is making recordings in New York City with the Riverside Symphony. * Thomas Connolly is living in Texas and working as a reliability engineer on the B-2 stealth bomber. * Margie Gosnell received the Langnickel Brush Award for her painting, "Feeding the Pigs at Old Sturbridge." * Stuart I. Horowitz lives in Warwick, RI. He works with chronically mentally ill adults at the Providence Center for Counseling and Psychi-

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President Visits South Korea

On a recent visit to Seoul, South Korea, President John H. Marburger accepted a gift from Park Jae Eun, who received her doctorate in music composition from Stony Brook. In addition to meeting with alumni living in Korea, Marburger attended fundraising and cultural events and met with government officials, including the Minister of Education. He also signed agreements of cooperation with the presidents of Yonsei University and Seoul National University.

ALUMNI DIRECTORY ON THE WAY

Finding a former classmate can be just like looking for the proverbial "needle in a haystack." But this problem has been remedied. A directory of Stony Brook alumni will soon be available to help you locate your old friends and classmates.

The University at Stony Brook Alumni Association Alumni Directory is scheduled for release in the fall of 1991. It will be the most up-to-date and complete reference for more than 55,000 Stony Brook alums, including current name, address and phone number, academic data, plus business information (if applicable), all bound in a library-quality volume.

The Alumni Association has contracted the Bernard C. Harris Publishing Company to produce the directory. Harris will soon begin researching and compiling the information to be printed by mailing a questionnaire to each alum. Watch for a mailing from Harris Publishing this fall.



STONY BROOK PEOPLE

Mark Kishlansky '71

Tracing the Course of Majority Rule

By Gila Reinstein

Majority rule is commonplace in political life today, but that wasn't always the case. Until the 18th century, rule by majority was considered an inferior method of making group decisions, says historian Mark Kishlansky '70.

Unanimous consent was the ideal in those days. The general public was considered to be a vulgar, rude multitude in the 17th century. It wasn't until almost 100 years later that the undifferentiated masses were thought of in kinder terms as the populace, the commonalty, the people.

Kishlansky is conducting an investigation of the British origins of majority rule, the process by which politics came to be determined by a consensus of the majority. The result of his work will be published in a book whose title is, tentatively, *The Major Part*.

At this early stage in the research, Kishlansky is not yet sure whether the final product will be a scholarly tome or one directed at the general reader. But the project fascinates him, and right now he is studying the development of numeracy—mathematical literacy—that changed the way business and science were carried out, and ultimately, the way governments were run.

The second part of his research will concentrate on the social and political changes that made unanimous consent impossible in England. After the Protestant Reformation and the execution of King Charles I, the British people no longer shared the same religion and beliefs about monarchy. Unanimity was out, majority rule was in.

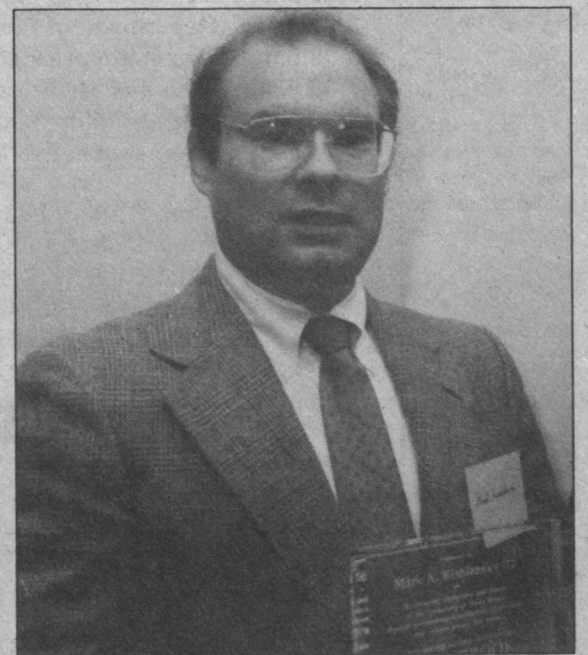
Kishlansky's specialty is British history, a field he has pursued since his undergraduate days. At Stony Brook he majored in both history and English. He speaks proudly of his Stony Brook experience.

"Stony Brook was an exciting intellectual environment in the late 1960s," he recalls. "The university was collecting faculty for 15,000 students, but it had only 6,000 students. It was a young faculty, engaged intellectually."

From Stony Brook, Kishlansky went on to Brown University for his master's and doctoral degrees. While completing his Ph.D., he took a position at the University of Chicago in 1975 and has advanced there to a full professorship. He was recently named to the Committee on Social Thought at the University of Chicago. This honor is given to a small group of outstanding scholars who are assigned no formal obligations to the university and are free to pursue their own work full-time.

Stony Brook honored Kishlansky this past fall with the Distinguished Alumnus Award. Placing his name in nomination, Department of History chair Fred Weinstein said, "Professor Kishlansky is an outstanding candidate. His record speaks for itself."

His record includes a distinguished list of publications. *Parliamentary Selection: Social and Political Choice in Early Modern England* (1986) and *The Rise of the New Model Army* (1983), both published by Cambridge University Press, are scholarly monographs. *Early Modern Europe: The Crisis of Authority* (1987), with Charles Gray and Eric Cochrane, is a textbook



Mark Kishlansky

published by the University of Chicago Press. Forthcoming in 1991 are two additional textbooks, *Civilization in the West*, with Patrick Geary and Patricia O'Brien, and *Sources of Western History*. Kishlansky also has a long list of journal publications and reviews to his credit.

That's a lot for someone who says he finds writing terrifying. "Every morning I wake up and say, 'I'll never write again,' but somehow the words come. People who want to write books, write them," he says.

Lake Wobegon and Reaganism

By Lawrence M. Friedman

Fresh from winter break, students slowly wander into the classroom, taking their seats in a haphazard semicircle. Professor Maureen Moakley G '73 is already at the chalkboard, reading over her notes and drawing elaborate diagrams.

"Please take a sheet from the desk," she says without turning.

A young woman picks up the paper on her way to a seat; it's a reading list for the semester. An unusual list, for two of the principal texts for this government class are Garrison Keillor's *Lake Wobegon Days* and Allan Bloom's *Closing of the American Mind*.

"So," Moakley begins, sitting on the edge of the desk. "What are you going to do about drug testing?" Students look in silence at one another, at their books, at the floor. The ancient radiators rattle as heat works its way into the room.

"Come on, guys. You'll be out in the job market soon. Drug testing. Is that an invasion of your private lives? Does government or business have the right to do it?" She points to a blond-haired student leaning forward, head in his hands.

"No," he answers, sitting back, "but, well yes, it is necessary." His eyes narrow. "Isn't it?"

"That," she says with certainty, "is what we'll explore this semester. We'll consider if the government should have these kind of powers, and why Reagan was embraced for eight years and how the evolution of politics in this country is related to our values. Welcome to Politics and Culture."

With this sense of certainty Moakley teaches "Politics and Culture" at Connecticut College. A political science professor, she attributes her way of teaching to her experiences in graduate school (at Stony Brook and Rutgers University). "It's a different approach to the usual government class. The way it's structured, the students must work harder because they have to think about a number of competing ideas and then decide for themselves which one or ones are correct. It's an alternative to rote memorization."

In and out of the classroom, she uses her hands to emphasize a point, her eyes growing wide as she becomes enthusiastic about an idea. She appears at once to be both teacher and student: teacher because her tone of voice implies that she has thought a good deal about the subjects she addresses; student because she doesn't have all the answers, and tends to be part of a class discussion rather than its leader.

She admits that "Politics and Culture" is unconventional, a mixture of political science, sociology and philosophy. "I purposely keep the class small to provide the most interaction. By challenging the students and by asking them what they honestly think, discussion is lively. And we all get to know each other very well. And everyone's political leanings, too. Debate has often continued into the hall after class."

By the end of the first class, students are questioning Bloom's reasoning on a philosophical level, the change in the American character and possible alternatives for the future. And they're planning the spring "Politics



Maureen Moakley

CONNECTICUT COLLEGE PUBLIC RELATIONS

and Culture" picnic, at Moakley's suggestion. "I'll bring my famous bean dip," she says. "Someone bring the nachos, and not those wimpy triangular ones, either."

Encouraged by the success of "Politics and Culture," Moakley created "Media and Politics," to be taught next semester. Word has already spread around campus that it's the choice fall government course. "Oh," she says with a smile, "we're going to have plenty of debate in that one."

CLASS NOTES

continued from page 21

atric Services. He is studying at Rhode Island College and expects his master's degree in educational psychology in December, 1991. * **Barbara (Stein) Kaplan** met her (future) husband in the Stony Brook computer center. * **Donna Scott** says that her enjoyable experiences in planning social events as a residence assistant at Stony Brook has led her to a career in planning social events. * **Stephanie E. Sen** was awarded a National Institutes of Health (NIH) fellowship to continue her postdoctoral studies at Scripps Research Institute on the design of enzymes for catalysis of cyclase reactions. * **Wendy Pase Spates** lives in Burlington, VT. She was recently promoted to manager of WVNY-TV Channel 22's traffic department where she is responsible for the scheduling and airing of all commercial spots and commercial programs. She married John W. Spates last November. * **Freda S. Tamlinson** is active in music and has fond memories of Stony Brook and the friends she made. * **Joseph S. Volpe**

lives in Bellmore, NY. He is currently pursuing a Ph.D. in clinical and school psychology at Hofstra University.

1989

Christopher Deitz is working as a structures and mechanics project engineer in the Engineers Support Contract for the National Aeronautics and Space Administration (NASA). His current project is the Space Station Heat Pipe Advanced Radiator experiment, a payload to be launched on a future space shuttle mission. * **Marie Ann Iacobellis** is attending New York Law School.

Transitions

Engagements: Michael Gocha '85 and Rev. Teresa Payne * Rene Link '87 and Tracey Weber '88.

Marriages: Roy Benson '70 and Marilyn Temple * Harvey Heilbrum '72 and Christina Barnes, March 31, 1990 * Anne Fenelon Collier

'75 and Brian Rehill, October, 1989 * **Robert Savillo '75** and Denise Anne Silvsi * **Saul Hochman '76** and Stephanie Tureck, Jan. 13, 1990 * **Laura Rosen '79** and Henry Ragin * **Brad S. Lerner '80** and Allison Cocke * **Colleen Anne O'Connell '81** and David Gebhard, Jr. * **Lisa Ann DeMizio '82** and Werner Rietze * **Jane Ann Hansen '82** and Mark Vernon Fenton, June * **Michael Bruno '83** and Susan Friedman '83 * **Nancy Risdon '83** and Dave Tentler * **Jay Buchberg '85** and Susan Rudick, Nov. 12, 1989 * **Laura Marchese '84** and Michael Estes, July 15, 1990 * **Gary Shapiro '84** and Meryl Wasserman * **Steven Schwartz '85** and Amy Lyn Zucker * **Aron Goldfeld '85** and Hayley Selk '86, May 27, 1990 * **Gordon Cruickshack '85** and Stacey Wallace '87, Nov. 26, 1989 * **Lisa Gilson '85** and David Hymowitz '85, May 7, 1990 * **Donald Joergens '85** and Mary Ann Caggiano * **Peter S. Gordon '86** and Maris Ross, June, 1990 * **Douglas Johnston '86** and Anne Monte. * **Joanne Bader '86** and Jeffery Mitchell '86, April, 1990 * **Michael**

Manning Sargent '87 and Nancy Marie Masem * **Christine A. Bell '87** and Michael Farrell * **John Zupka, Jr. '89** and Donna Imbisi

Births: Holly Steibel Johnson '70 and husband, Ken, second daughter, Allison Martha, Feb. 6 * **Leslie Klemperer '75** and his wife, Judith, a son Andrew, Feb. 5 * **Anne Finkelman '76**, a girl, April 23 * **Louis J. Manna '76** and his wife, Laurie, a son, Louis Austin, April 7 * **Stacey Martin Nadle '77** and her husband, Alan, second child David, April 18 * **Cori Rubinstein Katz '79** and her husband, Harvey, second daughter, Randi, February * **Debbie Steger Cohen '83** and Mitchel Cohne, their second son, Joshua Kevin, March 13

Deaths: Howard Schwartz '70 of New York City, died in March. * **Bernard McCaffrey '73**, of Baltimore died April 10. * **William Collins '75**, of Wyandanch, NY died of cancer.

Elizabeth Hayes Joins Development Staff

The Office of Annual Giving is pleased to welcome Elizabeth Hayes to the staff as Assistant Director of Annual Giving and Director of the Telefund program.

A 1987 graduate of the University of Connecticut, Hayes worked as assistant director of the Phone/Mail Program there before coming to Stony Brook in February. Her primary responsibility is running the Telefund program, including hiring, training and supervising telefund callers and overseeing specifics of the program.

"Beth Hayes has been a very important addition to the development staff," says Carole G. Cohen, vice president for university affairs. "She has been instrumental in increasing alumni giving by 37 percent during this past fiscal year. She is a true professional and we're



Elizabeth Hayes

delighted to have her on our team."

"The past months at Stony Brook have been very challenging for me," Hayes says. "I would like to continue to increase the awareness of the importance of development here at Stony Brook."



Alumni Scholarship Recipients

At the Undergraduate Excellence Awards ceremony April 17, several students were recognized for academic achievement and community service. Front row, from left, Anna Bensianov '90, Babak Movahedi Senior Leadership Award; Glenn Greenberg '91 and Angela Tu '91, Elizabeth Couey Award; and Sorin Abraham '90, Babak Movahedi Senior Leadership Award. Back row, from left, Curtis Fisher '90, Ashley Schiff Award; Bernard Brenner '90, Larry Roher Entrepreneurial Award; Dan Slepian '92, Sophomore Award; Emeka Smith '93, Class of 1970 Award; and Leonard Steinbach '75, chair of the Alumni Association Awards Committee.

STALLER CENTER FOR THE ARTS

1990-1991 SEASON

DANCE

November 3-4:
Pittsburgh Ballet, *Swan Lake*

Saturday, February 23
Martha Graham Dance Company

Saturday, April 20
North Carolina Dance Theatre

ORCHESTRAS

Saturday, October 20
Shanghai Symphony Orchestra

Saturday, February 9
Gewandhaus Bach Orchestra of Leipzig

Saturday, March 9
Philharmonia Baroque Orchestra

CHAMBER MUSIC

Saturday, October 27
Julliard String Quartet

Saturday, December 1
Waverly Consort, *The Christmas Story*

Saturday, December 15
Dawn Upshaw, Soprano

Saturday, January 26
Tchaikovsky Chamber Orchestra

Wednesday, March 20
Yefim Bronfman, piano

Saturday, April 6
Arditti String Quartet

Wednesday, May 1
Gilbert Kalish and Martin Canin: Duo Piano

DRAMA

Saturday, September 22
The Acting Company, *Two Gentleman of Verona*

Saturday, March 16
Asolo Touring Theatre

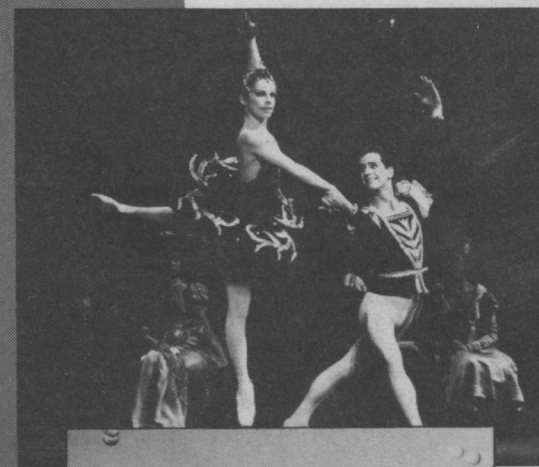
Saturday, May 11
New York Gilbert & Sullivan Players, *The Mikado*

VARIETIES

Friday, October 12
Flying Karamazov Brothers

Monday, November 19
Africa Oyé

Saturday, March 2
Imperial Bells of China



Tickets for the Dance, Drama, Orchestra and Variety series are \$22.50, \$20.50, \$18.50; Chamber Series tickets are \$17.50. There is also a \$2 senior citizen discount on all tickets. Saturday shows begin at 8:00 p.m., Sunday shows at 2:00 p.m. For more information on any Staller Center performance, call the box office at 632-7230.

S A V E T H E D A T E S

OCTOBER 24
BOSTON EVENT

NOVEMBER 7
PHILADELPHIA EVENT

NOVEMBER 14
WASHINGTON/BALTIMORE EVENT



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