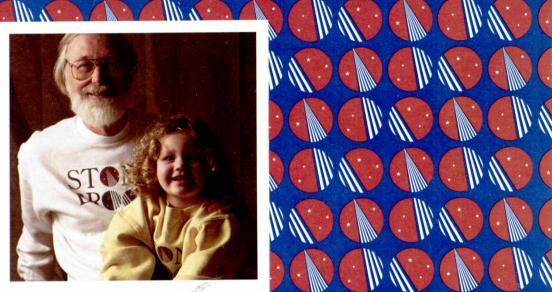
THE MAGAZINE OF STONY BROOK . STATE UNIVERSITY OF NEW YORK

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Stony Brook's new power couple, John Milnor, Distinguished Professor of Mathematics, and Azalea Martin, Stony Brook Class of 2014, model sweatshirts with the new Stony Brook logo and demonstrate the immediacy of visual image: age and youth, strength and fragility, gravity and spontaneity, familiarity and change. This wise and winsome pair suggest of all living things, institutions not excluded "The new must be introduced in relation to what is alread" says Stony Brook logo designer Milton Glaser (Azalea, age 3, is the daughter of Lawrence and Wendy

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Stony Brook:

Think you could carry on an intelligent conversation if you met your favorite recording artist? Some Stony Brook alumni who converse regularly with

Slowhand, Alanis, Suzanne, Dion...

By Vera Baquet '81, '93 and Victoria Rundberg-Rivera The United Nations Forum on Women: dissension in the ranks, harassment at the hands of Chinese hosts? Two who were there beg to differ.

By Ceil Cleveland Books by Stony Brook people: Polar, The Titanic Bear; Zola, A Life.

THE BROOK

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Editor Susan Risoli '79 Publisher Ceil Cleveland Creative Director Yvette St. Jacques Design Director Milton Glaser Art Director Christine Zamora Proofreader Joyce Masterson Typists Marcia Mordkoff, Marian Palazzolo Cover Photography Matthew Klein Photo Credits Peter Finger, all photos pp. 4-5 except Tom Giacalone, p. 5 (bottom right); Susan Dooley, p. 11; Maxine Hicks, pp. 12, 24, 26, 27 (top); Colleen O'Toole, p. 13; Pat Kepic, pp. 15, 16; Julie Weisman, p. 19 (top); Mary Anne Devine, p. 19 (bottom); Ceil Cleveland, p. 22 (bottom); R. Cole, p. 27 (bottom); John Griffin/Medical Photography, p. 28; Bob O'Rourk, p. 30; courtesy Dario Gonzalez, p. 33.

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A New Look at The Brook

Ceil Cleveland, Publisher Vice President for University Affairs

he Brook is the name of your new university magazine. Though the name is new here, it has resonated in history ever since the University moved from Planting Fields to Stony Brook in 1962. Beginning next

year *The Brook* will come to you twice a year—fall and spring. In the meantime, we plan a quarterly alumni newsletter. *The Brook* will combine the best of a traditional alumni magazine with a new focus on issues. Our lead story here, on the economic impact of Stony Brook on all of Long Island, places the University in the context of its environment, pointing up the vital importance of this synergistic relationship.

In AROUND THE MALL, you'll read about what's going on in classrooms, in various sports arenas, in dorms, in labs, on performance stages and in art galleries. You'll be able to keep up with student interests, trends, fads, fun and



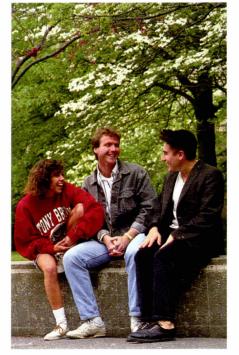
services, as well as with the latest research at this great Research I institution. Perhaps you'll even find in these

pages some news you can use. Finally, *The Brook* will keep you in touch with your classmates and friends through traditional class notes, which we've labeled CLASS ACTION—the better to suggest your energetic lives. We will also carry profiles of Stony Brook people doing particularly interesting, awesome or quirky work; we ask your help in identifying these human interest stories. We also solicit short manuscripts for the OPINIONS page, any BACK TALK that articles here may inspire in you, and your REFLECTIONS on life, liberty, and the pursuit of most anything. We like wit, poetry, verve, a little irreverence now and then, a fresh eye and voice. We will soon begin a LETTERS section.

Stony Brook is not quite a baby boomer approaching middle-age, but it is at the age of accountability. Now 38 years old, it is growing up and has built a few traditions. But its energy and liveliness—not to mention the scrappiness that allowed it to survive its birth and its muddy awkward age—keep it ever new, ever young. To capture Stony Brook's tradition and its youth in an authentic, been-there, done-that voice, we have named as Editor another 38year-old: alumna Susan Risoli '79, who was born the year that Stony Brook



Undergrads study beach erosion in situ.



Stony break



She reclines to study.

became more than a twinkle in Governor Rockefeller's eye. Besides breaking the hard editorial rocks in this *Brook*, Risoli also wrote the story about music industry insiders who got their start at Stony Brook. Risoli has been a news writer with the University for 14 years and has written hundreds of articles about Stony Brook people. She knows the territory as well as, if not better than, anyone around. It is Susan Risoli's voice you will hear on this page from now on.



"I remembered Avogadro's Number!"



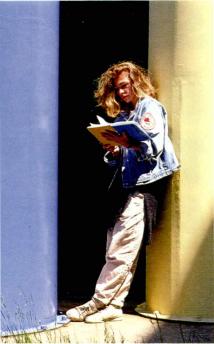
Student art exhibit.

Creative Director of the magazine is Yvette St. Jacques, newly appointed assistant vice president for communications, an outstanding manager, editor, and team-builder, and a graduate of Stanford University's fabled Magazine Publishing Program. St. Jacques' job is to keep the writers, editor, designer, publisher, printer and financial officer all singing from the same page. This can be fairly cacophonous at times, but she makes sure we end on a tonic chord.

The real dynamic force behind The Brook is a duo: President Shirley Strum Kenny and designer Milton Glaser. Their collaboration produced the new signature you see on the previous page, on the sweatshirts of our cover couple, and in the background pattern of the inside cover. Glaser is a distinguished graphic designer, most recognized for his distinctive I ♥ NY logo. He is also known for the design of internal and external spaces-the Rainbow Room and Trattoria dell'Arte restaurants, for example-and for magazines. He designed the original New York Magazine and recently gave a face-lift to Modern Maturity.

In a world of highly competitive ad-ucation, the face one presents is critically important. Our face is fresh, bright and contemporary and bears a suggestion of technology, science and future.

In addition to a new look and a new *Brook*, we are working hard to reach more alumni. President Kenny met with a small group in Washington, D.C. this past winter. We hope to build on that to create an alumni group there. And recently I met with about sixty Southern California alumni at a lively



Outside the library.

party in the home of Susan '69 and Howard Amanoff '67 in Santa Monica; Debra Robinson-Brunsten '77 and her husband Daniel Gross '85 were cohosts. The group enjoyed the gathering so much, we vowed to do it again soon. I am also planning a fall alumni party in Northern California; please let me know if you'd like to be on the invitation list—and especially if you'd like to host the group in your home.

Wherever you are, get in touch with us. If you would like to help start an alumni group in your area, let us know. Meanwhile, watch for the bright new face of Stony Brook. You'll see it every place that counts. And watch for your next issue of *The Brook*. Coming soon to your nearest mailbox.



Crossing campus.

STONY **BROOK:** THE BIG ENGINE THAT CAN

Yacov Shamash, dean of the School of Engineering and Applied Sciences, remembers the days not so long ago, when the University and the business community of Long Island glanced at each other like trains passing in the night.

"Industry people thought we were stuck in our ivory towers working on problems with no relevance," Shamash says. "Our faculty thought the only research project that counted was one supported by the National Science Foundation."

That was then. This is now. Stony Brook faculty and Long Island companies work together these days, on a multitude of projects. And that cooperation is part of a much bigger picture, a picture just being sketched, but one that will eventually lead to a fundamental reshaping of the Long Island economy. It will provide a fresh look at opportunities designed to restore the Island, its business community, and all of its citizens to the prosperity that many remember but which has seemed so uncertain in recent years.

After years of economic growth fueled by abundant land, skilled labor and imaginative entrepreneurs, Long Island's well-traveled road to prosperity has turned bumpy. More than 100,000 jobs have disappeared since 1989, many in the high-paying aircraft and instruments industries. New environmental concerns about the Island's

The Long Island

fragile coast limit economic development options. Matthew Crosson, president of the Long Island Association, the region's largest business organization, says, "The Long Island economy is in a dead stop."

But Crosson and others see models out there, places like Silicon Valley in California, the Route 128 corridor in Massachusetts and the Research Triangle in North Carolina-high-tech paradigms of what Long Island could become. To emulate those regions, the Long Island economy must make the shift to "knowledge-based" industry: environmentally safe business that depends on the generation and application of new ideas.

Long Island, of course, has something in common with every successful high-tech community: a strong research university. Universities act as magnets, attracting and retaining the scientists, engineers, entrepreneurs and students necessary to sustain a high-tech economy. As the Island's only national research university-and one with close working ties to Cold Spring Harbor Laboratory and Brookhaven National Laboratory-Stony Brook has emerged as the intellectual engine to drive Long Island's transformation.

University President Shirley Strum Kenny has made that process one of Stony Brook's most urgent priorities. "Being a great national university, in our times, means first being a great local

without us."

The incubator has hatched 10 companies that now employ 300 people, last year producing gross revenues of \$54 million.

Last year the University hosted industry leaders for a series of discussions on the future of the region. Those meetings led to "Project Long Island," a report commissioned by the LIA to identify manufacturing industries with the greatest potential for generating high-quality, high-paying jobs. The LIA report, released last December, recommended specific areas of focus: electronic technologies, biotechnology and bioengineering, graphic communications, medical imaging and computer software. Those targets of opportunity, identified by Project Long Island for rapid job growth, are among the industries that Stony Brook is already working to develop. High-technology companies find

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second economic miracle can't happen

Stony Brook a particularly congenial partner. Since 1986, the campus-based Long Island High Technology Incubator has gestated dozens of hightech start-ups as well as new efforts by existing firms. The facility's tenants, 29

university," she says. "Long Island's at current count, have access to University resources-labs, computers and colleagues-that they otherwise couldn't afford.

> So far the Incubator has hatched 10 companies; these now employ 300 people and last year produced gross revenues of \$54 million. Collaborative Laboratories, Inc., one of the most successful operations to emerge from the Incubator, has entered into a strategic alliance with the University, which includes contracting for a \$4.6 million biomanufacturing facility to open on the Incubator site (see "Staring Down the Devil," page 10).

Another of Project Long Island's findings, the advent of biotechnology as a growth industry of enormous potential, came as no surprise to the University. The campus houses a Center for Biotechnology, designated more than a decade ago as one of ten New York State Centers for Advanced Technology. The Stony Brook Center helps researchers transfer basic science from the lab to the marketplace, in the process spawning commercially viable products and technologies.

"We are a window to the business world for the University faculty and students," says Center director Glenn Prestwich, who is also a professor in Stony Brook's Departments of Chemistry and Biochemistry and Cell Biology. "While we're academic-friendly, we perceive the bottom line. We offer

Economy Must Reinvent Itself, and the University

insight into the best ways to market discoveries. Our work helps create a mentality at the University that says, 'It's okay to do applied or targeted research. You will not feel as though you are compromising yourself by doing it, and it does not diminish the basic research.'"

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Universities act as magnets, attracting the scientists, engineers, entrepreneurs and students necessary to sustain a high-tech economy.

The Center has organized "mini-companies" to develop new applications of scientific breakthroughs. It cosponsors research projects with biomedical companies, including such heavyweights as Pfizer, Colgate-Palmolive and Eastman-Kodak. It also provides \$500,000 each year in seed grants to early-stage research projects that promise commercial potential; half of these turn into inventions, licenses, patents or new companies. And the Center helps alert the public to the prospects of biotechnology through workshops for high school teachers and presentations to such groups as the Nassau County Bar Association and the Suffolk County Legislature.

Without financial backing, even the most inspired new idea could disappear. So the University helped organize the Long Island Research Institute, a private, nonprofit entity that provides financial and business services to Long Island high-tech companies, and serves also as a "matchmaker" for small companies seeking to align themselves with larger firms. Chaired by former Stony Brook president John H. Marburger, now a professor in the Departments of Physics and Electrical Engineering, LIRI also counts among its partners Cold Spring Harbor Lab, Brookhaven Lab and North Shore University Hospital.

LIRI has spun off the Long Island Venture Fund, a limited partnership with \$11 million in private capital, which can provide start-up funds for businesses considered too risky to tap other sources. "We're in the business of creating job creators," says Philip Palmedo, LIRI president. "If in the next five years we can produce 15 to 20 companies that are significant and that can spin off others, then we have accomplished a lot."

While working with Twenty-First Century prospects, the University still pays considerable attention to what might be called the down-to-earth: the nine out of every ten local firms that fall under the rubric of "small business." Stony Brook's Small Business

with High Tech in the Driver's Seat-Can Lead the Way.

Development Center provides free one-on-one advice to those who usually cannot afford consultants on business plans, financing and marketing. "Any cohesive plan to keep Long Island alive must help small business, since small businesses support big businesses," says director Judy McEvoy. "We are the only agency that pays special attention to what is the foundation of Long Island's economy."

One of 20 campus-based regional centers in the state, Stony Brook's SBDC has served 3,797 clients since 1988, among other things helping them secure \$30 million in bank loans. McEvoy estimates that the Center has saved 339 jobs, in companies that remained in business because of new financing, and created 633 jobs, through start-ups or expansions.

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'High-tech industries is what our soil will grow,' says President Kenny. 'To miss the opportunity would be a disaster for Long Island.'

In this new era of business-academic cooperation, University faculty and Long Island companies now work together on countless projects. Through a program known as SPIR (Strategic Partnership for Industrial

RESEARCH

Resurgence), a coalition of SUNY campuses (Stony Brook, Binghamton, Buffalo and New Paltz) offers free services to help companies remain competitive while they are developing new technologies and products.

"We give these companies technological backbone," says engineering dean Shamash. "Lots of small companies can't develop their own R&D labs; it's too expensive." Under the SPIR aegis, for example, Stony Brook makes its \$50 million of state-of-the-art engineering equipment available to small (fewer than 500 employees) companies.

SPIR also enables Stony Brook to partner with firms both large and small to submit joint proposals for federal contracts. Thanks to such a partnership, Bohemia-based Davton T. Brown won a \$150 million U.S. Army contract to build the nation's only helicopter fatigue testing lab. "We won our contract, which created 100 jobs, and beat out powerhouse California companies," says C. Kenneth Morrelly, senior vice president of the Brown engineering and test division. "We were able to show that our company benefited from the technical expertise of the world-class engineers and scientists at Stony Brook."

Created in 1994 with \$2 million in state funding, SPIR in its first year worked with 63 New York companies, 55 of them on Long Island—which may explain why Stony Brook was the only campus to receive an increase in SPIR funding. Shamash estimates that the 122 different SPIR projects will generate 1,000 new jobs.



'If Stony Brook doesn't grow and get stronger...then nothing else will happen that is economically significant.'— James Simons, president and CEO, Renaissance Technologies.

And what of jobs not saved? Stony Brook's Workforce Development Center offers new computer and management skills to college-educated professionals shocked to find themselves not "recession proof." "These are mid-career or middle-management people suddenly cast upon the shore," says Paul Edelson, dean of the University's School of Professional Development and Continuing Studies, which sponsors the program. "We don't tell them what new careers to pick, but we help them retool themselves. Now they don't have to move to North Carolina to find jobs." The Workforce Development Center is currently awaiting approval for graduate certificate programs in educational computing and software engineering, and it has

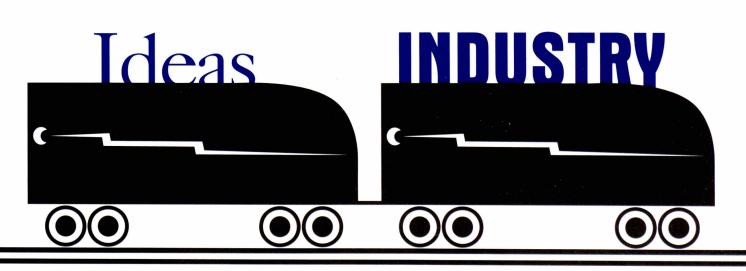
also created a Real Estate Study Center.

As the many programs operated by the University become more visible, industry leaders have come to understand the interweaving of Stony Brook's health with the Long Island economy. "If we're going to have any reasonable kind of growth on Long Island, we must have a strong university," says James Simons, president and chief executive officer of Renaissance Technologies and chairman of the board of the Stony Brook Foundation. "If Stony Brook doesn't grow and get stronger, particularly in the technical areas, then nothing else will happen that is economically significant."

Sanjay Kumar, president of Computer Associates, observes that state funding of the University is "an investment, not an expenditure." If the state demonstrates its commitment, he says, Computer Associates and likeminded companies will do more business with Stony Brook—but not, Kumar suggests, "if New York State does not intend to make this a great university."

No one doubts that Long Island's renaissance must begin at once. "High-tech industries is what our soil will grow," says President Kenny. "To miss the opportunity would be a disaster for Long Island."

Andy Kraus, Susan Risoli and Ceil Cleveland contributed to this story.







Vita

Objective:

To drive Long Island's rebirth, by enhancing and augmenting the region's expansion of knowledgebased industry

Name: University at Stony Brook Born: 1957 (nee State University College of Long Island)

Qualifications:

- \$100 million in annual external research support
- 1,300 sponsored research projects
- 1,800 research-supported employees
- 398 invention disclosures, 114 licenses and options (one third with New York State companies), 110 patents issued
- First public university in New York State ranked "Type I Research University" by Carnegie Foundation for the Advancement of Teaching. This distinction granted to fewer than 2% of all colleges and universities nationwide
- Largest single-site employer in Suffolk County
- Faculty honors include: Nobel Prize in Physics, Fields Medal, National Medal of Science, National Medal of Technology, 4 MacArthur Foundation Fellowships, Benjamin Franklin Medal. Fourteen members of National Academy of Sciences, 11 members of American Academy of Arts and Sciences, 11 members of foreign academies

Leading Contributor to Region's Economy:

- Generates \$2 in non-state funds annually for every \$1 invested by New York State
- Billion-dollar-a-year economic entity, with a regional impact conservatively estimated at \$2.25 billion annually
- Purchases of goods and services contribute \$442 million each year to regional business volume
- Salaries and wages to University employees living in Nassau and Suffolk represent \$777 million to regional income

Industry-Academe: Mergers That Work

Staring down the Devil

Okay, maybe you wouldn't stake your future on tiny globules of fat. But these biomolecules helped James Hayward build Collaborative Laboratories, Inc. into a multimillion dollar biotech firm and one of the Long Island High Technology Incubator's most successful hatchlings.

Hayward started Collaborative in 1990, with two employees and himself as president/CEO. They found the Incubator a hospitable environment for their small, ambitious organization. By 1991, the company had graduated to 7,000 square feet of "permanent" quarters nearby. "I thought we'd stay there until retirement," Hayward recalls. "Nine months later the space was saturated." Today, Collaborative's 150 employees fill corporate headquarters in Setauket, plus five other locations.

Collaborative is the world's largest manufacturer of liposomes, microscopic fat particles that duplicate the structures of cell membranes. Liposomes act as artificial cells that carry ingredients to targeted locations in the human body.

Collaborative has succeeded so rapidly because it uses "fast-track" technology applications to generate income while the company conducts long-range research. "Most biotech companies go to venture capitalists, get a big footlocker of money, and develop the company from there," Hayward says. "But those companies don't look for income for five or ten years."

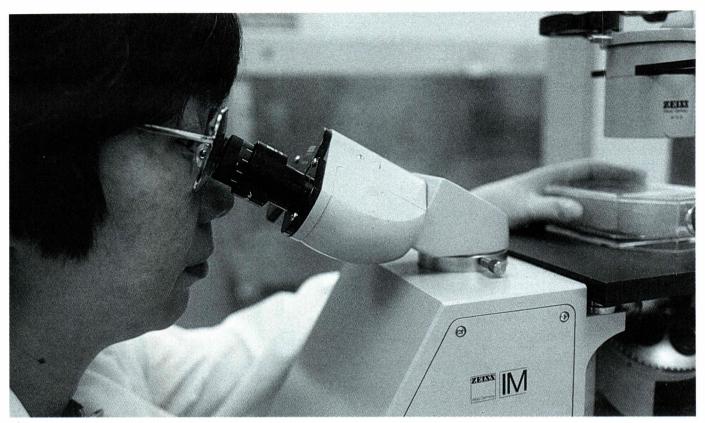
So Collaborative's liposomes do double duty. They are being tested to see if they can carry anti-cancer drugs directly to a tumor site, or if they could deliver a corrected cystic fibrosis gene to the lungs of afflicted children.

The liposomes also end up as fish food—encapsulated Vitamin C fed to shrimp in aquaculture—and as skin care products. These consumer applications are lucrative, producing profits in months or weeks, and they subsidize the more academically oriented work.

One luxury the Incubator afforded Hayward and colleagues was the time and opportunity to plot Collaborative's course carefully, right from the start. Its founders were scientists unused to dealing with what Hayward calls "the mundane yet consuming issues of running a business." Incubator management took care of waste disposal, utility bills and securing necessary permits.

"Whether it was compressed air or deionized water, we really didn't have to worry about 'business," says Hayward. "We worried about our technology and only that." Access to University faculty and laboratories also gave the company a boost. "We had the research wherewithal of a much larger company, even though we were just a couple of people," Hayward says.

Now Collaborative is returning the favor. It invested \$1 million in a new manufacturing facility that offers contract services to the regional biotech industry. The plant will open in June at the existing Incubator site, as a cooperative effort



Products formulated by Collaborative Laboratories are used in food, medical diagnosis and therapy, cosmetics and household items.

between the University, the Long Island High Technology Incubator, the campus' Center for Advanced Technology (CAT), and Collaborative. The "Collaborative BioAlliance," as the group is known, will use the new building to serve client companies that need preservatives, vaccines, baker's yeast and other bioproducts. Collaborative Labs will operate and manage the facility, and promises to match \$3 million in additional funding expected from New York State.

The University and Collaborative maintain a strategic alliance. It's a symbiosis that results in shared grants, paid internships or fellowships for Stony Brook students, and joint research projects. Hayward has a faculty appointment on campus, lecturing on business as well as science. His work with CAT director Glenn Prestwich led to Clear Solutions Biotech, Inc., a wholly owned subsidiary of Collaborative that will commercialize Prestwich's discoveries involving hyaluronic acid (a substance found in rooster combs and the human eye.)

Roughly a third of Collaborative's employees are Stony Brook alumni, including Hayward (Ph.D.,'83.) "We've stretched the umbilical cord a little bit, but didn't lose sight of our connection to the University," he says. "The people at Collaborative literally owe their jobs to our association with the campus."

Having weathered the tribulations of a biotech start-up, Collaborative now mentors current Incubator tenants, offering them short-term loans and free advice. "In any bootstrapping business, you worry, 'Where will the next payroll come from?'" Hayward says. "CEOs who have their origins in academic science may not have been forced before to come to grips with that reality. Knowing that other people have navigated it successfully helps those who are beginning to feel the stress of the experience." (Hayward calls facing up to that stress "staring down the Devil.")

Collaborative's achievements led to Hayward's selection as 1994 "Entrepreneur of the Year in Life Sciences," in an annual competition sponsored by *Inc.* magazine and accounting firm Ernst & Young. That same year the company was named "Incubator Graduate of the Year" by the National Business Incubator Association. What the acclaim proves, says Hayward, is simple: "We're a great example of how to incubate. The process is rewarding, it works, and it keeps people employed."

Gown Towns

Chapel Hill ... Charlottesville ... Ann Arbor ... Stony Brook... "college towns," which have become the hot places to live, work and socialize in the '90s. *Places Rated Almanac, Inc.* magazine, *Money* magazine and *The New York Times Magazine* all say so.

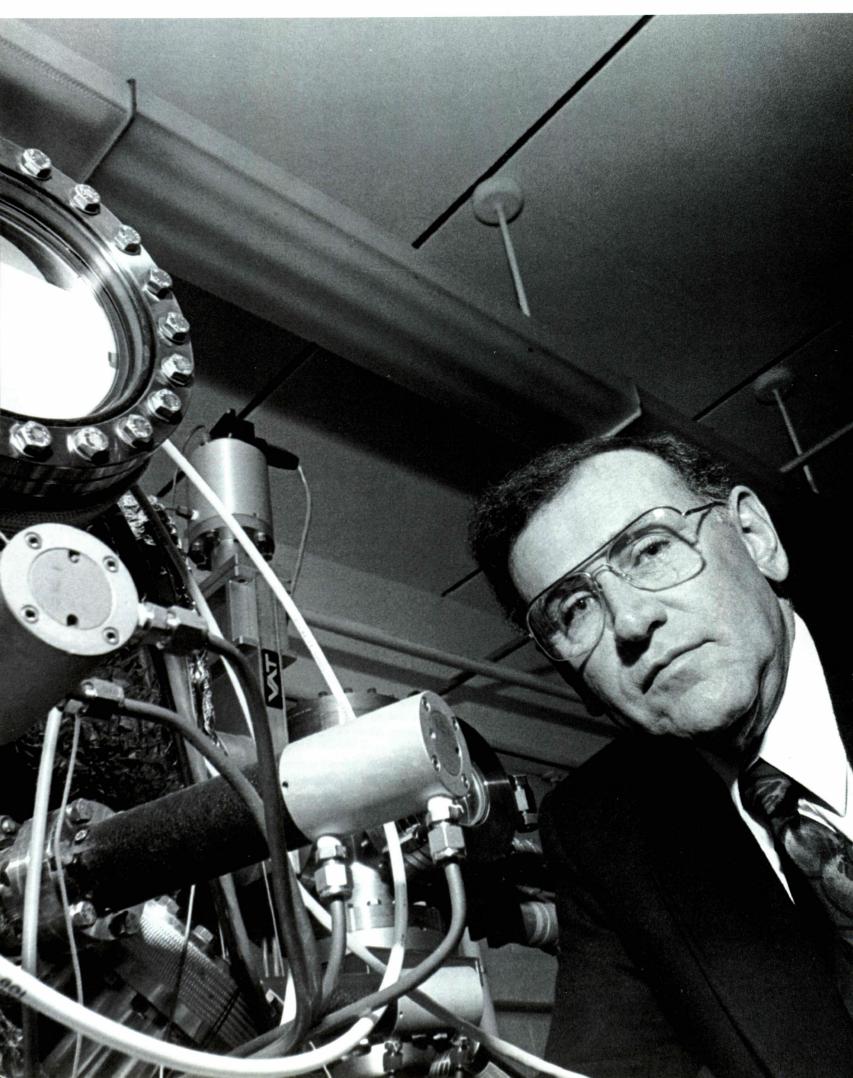
To be considered a true college town of the '90s, the experts declare, a community needs to have a large research university at its core, plus a sophisticated medical center, access to continuing education and attractive surroundings. It could also use an abundance of high-paying jobs.

Most of that is in place at Stony Brook, and the last part seems to be on its way.

Welcome to The Club

Stony Brook faculty member Richard Gambino keeps impressive company: Steven Jobs, founder of Apple Computer; Bill Gates, chairman of Microsoft Corporation; and the late David Packard, who started Hewlett-Packard. All four have been recipients of the National Medal of







Undergrad Simone Brown and Jonathan Spiegel '88 on the production floor at Photocircuits.

Technology, the nation's highest honor for technological achievement. Gambino won the award last year, for inventing and developing magnetic materials that spawned a \$2 billion market for erasable computer storage. He conducted that work while on the staff of IBM's Thomas J. Watson Research Center. At Stony Brook he teaches, directs a laboratory and does collaborative research with Long Island companies. Gambino received his National Medal from President Bill Clinton and Vice President Al Gore, sharing it with colleagues Praveen Chaudhari (IBM) and Jerome J. Cuomo (North Carolina State University.)

Speak to Me of Circuitry

Translating technospeak into everyday language got undergraduate Simone Brown her job at Photocircuits.

Brown, a junior majoring in engineering science, was hired by the Glen Cove company for a paid internship. Though she had the requisite qualifications—technical interests, combined design-production experience and hands-on work with lab equipment—she says her communication skills gave her an edge over other applicants.

Since the position required lots of interaction with engineering supervisors as well as rank-and-file machine operators, Photocircuits sought candidates who could relate well to different types of people. "They wanted someone who could speak in nontechnical terms," recalls Brown, "and I feel you should be able to express yourself without using scientific jargon." After she described her undergraduate research project—studying the elastic properties of a silica polymorph microcrystal, under the tutelage of Stony Brook geophysicist Don Weidner—the Photocircuits job was hers. (Brown got a second offer, which she declined, from Standard Microsystems.)

Brown spent her internship doing process engineering

and quality control work. She developed and conducted tests to improve the manufacturing process at Photocircuits, which makes printed circuit boards, and established criteria for drilling the boards.

SPIRring Them On

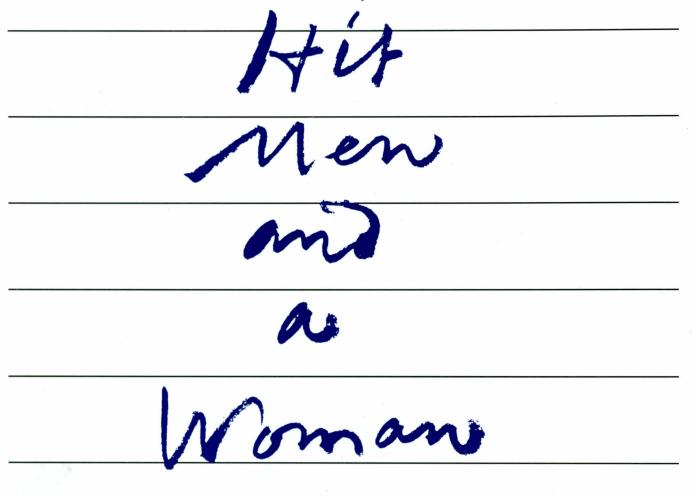
Stony Brook is helping the Servo Corporation of America bring a new product closer to market, through the SPIR program.

Servo, an electronics company in Hicksville, is developing an "uncooled infrared imaging focal plane array." That's a fancy name for a camera-like device that detects heat rather than light. Power companies use them to find overheated transformers; railroad workers need them to check for overheated bearings on train cars. But although these devices are useful, they are cumbersome and expensive because they require an internal cooling mechanism. Servo is working on an uncooled model that would be smaller, cheaper and lighter.

Servo specializes in infrared detection, but not in the design and production of integrated circuits needed to make their uncooled version. Stony Brook graduate student Jan Niewiandomski is an intern at Servo, where he customdesigned the necessary circuits. Rand Dannenberg, also a Servo intern completing graduate studies at the University, is working on isolating the infrared-sensitive material inside the device from its electronics. His efforts will enable the camera to hold its charge longer. The two have done "magnificent work," says Stephen Barre, Servo chairman and president.

"Nobody loses in this whole thing," notes Barre. "Graduate students are working on real-world problems, real state-of-the-art stuff. From a cost and technical standpoint, it's been very helpful to us. It's clear that we will be doing more with the University."

MUSIC INDUSTRY PROS WHO CHARTED FIRST AT STONY BROOK



by Susan Risoli '79

If you're one of the faithful, you know it.

You pore over liner notes like they were the Rosetta Stone. You have the first 45s you ever bought (admit it: you still keep them in that plastic cylindrical thing with the handle). Maybe you even played in a band, if only in the anonymity of your parents' garage.

Some fans turn their passion for records and recording artists into a career. Four Stony Brook alumni have done just that, influencing what the rest of us hear on the radio and pop into our CD players.

The Tao of Howie

A talk with Howie Klein '69, president of Reprise Records, probably will cover the following: (a) bands he "worships," (b) his adventures in Katmandu, (c) the time Jimi Hendrix smoked a joint with Howie's mom. You were expecting maybe a discourse on product movement and units shipped?

That wouldn't be Howie. This executive values good karma more than the bottom line. Last year Klein assumed the presidency of Reprise; the Los Angeles-based company boasts a stellar roster that includes veterans like Eric Clapton and Neil Young, plus youngsters Filter and multiple Grammy winner Alanis Morissette. Though the stakes are higher now than when he booked bands into the Stony Brook gym, Klein says his motivation remains "helping an artist get his or her music across to people, and then watching it connect and explode."

As chairman of the campus Student Activities Board, nascent mogul Klein teamed with Manhattan's Cafe Au Go Go to offer bands a package deal: five nights playing the city, plus a weekend gig at Stony Brook. His strategy launched the University's reputation as a "concert school," and introduced a generation of students to thenunknowns Jackson Browne, the Grateful Dead and a host of others.

Before rock became big business, it was easier for colleges to book shows, and cheaper. "We found bands before they were famous and over-priced," Klein recalls. "When I first met the Doors, they were getting \$400. I paid John Hammond \$25 and a case of beer."

Klein's taste in music has always been cutting edge. During the 1970s he hosted one of the first alternative shows on commercial radio (legend has it that Howie invented the format), and cofounded the seminal punk label 415. At Stony Brook his daring sometimes got him into trouble, no small feat on a campus that called itself "the Berkeley of the East" during a decade not known for conformism. Some people complained that his after-midnight show on WUSB was too "out there." During a performance by The Fugs (the first band Howie ever booked), one student was so offended by their lyrics that he threatened Klein with physical violence. (Today Howie dismisses these misguided souls as "the unadventurous and stupid.")

Klein credits the seven years he spent abroad with helping to keep him focused. Exploring India and the Middle East, he immersed himself in a life he calls "more spiritual and less material. It helped me find myself." But centered as he is, Klein is still amazed by his proximity to rock icons. "Yes, I am often in shock," he admits. "I never get over it." (The first time Neil Young telephoned him, Klein thought it was a friend making a prank call.)

Alternative—that genre close to Klein's heart—is hot right now (so much so that it's becoming an oxymoron). But what happens when tastes change? For Howie, it's all part of the plan. "I mourn nothing," he says. "God's natural rhythm is something to swing with, not regret."

Why Must I Be a Teenager in Love?

The sound comes from deep within the labyrinth of hallways that is "New York's Oldies Station," tugging on heartstrings, nudging old selves, the seductive whisper becoming a clarion call: remember when.

As producer/programming assistant for WCBS-FM 101, Maria Martello '86 is no stranger to nostalgia. She grew up listening to the station; now she works there, a dream job for this selfconfessed "Beatlemaniac."

WCBS is home to four legendary disc jockeys who presided over top-40 AM radio during its golden age in the 1960s: WABC "All-Americans" Dan Ingram, Harry Harrison, Ron Lundy and Bruce "Cousin Brucie" Morrow. Martello works closely with all the "jocks", especially Morrow. She produces his shows, a task that includes finding novelty songs for "Kookie Classics" segments and digging up trivia to color Bruce's retrospectives. She also writes and researches scripts for the station's "theme weekends" ("New York's Top Five Hundred," for example, or "Hits of the Sixties").

Raves Cousin Brucie, "I cannot





Addabbo and singer Rebecca Martin of Once Blue listen to playback of the group's recent debut. The Addabbo-produced EMI Records release has been hailed by music critics as "a blessedly angst-free exercise in contemporary jazz-pop."

imagine doing a show, in-studio or in the field, without Maria. I don't want to do radio without her. She's bright as a whip, she has a huge music vocabulary, and she's a nice person."

WCBS listeners keep Martello on her toes, calling in to ask her to settle an office bet ("Who sang 'Tonight, Tonight'—the Capris or the Mello Kings?") or to get a dedication on the air. She spends much of her time on the phone with oldies fans—becoming their conduit not only to the DJs, but to the music itself.

"We're a major market radio station, but we have that smaller market mentality regarding listener contact," she explains. "We want to talk to them. They know it, and they call us constantly."

Martello's job comes with perks any fan would salivate over. She attended the star-studded opening of the Rock and Roll Hall of Fame, as part of the team that produced WCBS's live, remote broadcast. She was quoted in a *New York* Magazine story on the longawaited release of new Beatles material. And she's met people the rest of us only dream about. Martello's picks for "I'll-Never-Wash-This-Hand-Again" status? Billy Joel, Motown founder Berry Gordy, Jr. and Tony Orlando, minus Dawn. (Growing up, Martello's first "rock and roll crush" was Orlando. "That's the geek in me," she admits.)

But it's not all hobnobbing with celebrities. Station staffers work hard to attract new listeners to an oldies format. "It's a challenge to make the station sound fresh with music that's been around for 40 years," says Martello. And though WCBS is unquestionably a bastion of pure, street corner harmony, Martello and her colleagues want people to know that the playlist isn't limited to doo-wop. "We go back as far as 1955, and we play music from well into the '80s," Martello says. "An Eagles song from the '70s could be considered an oldie." (Yikes.)

Martello started at WCBS as an undergraduate intern. She encourages broadcast hopefuls to get the same kind of hands-on experience. "I tell them, if you want to do radio or television, please get an internship and take it seriously," Martello stresses. "I did, and almost ten years later here I am still. In all my expectations, I never thought that I would be meeting the people I've met and doing the things I've done."



Alanis Morissette: she oughta know from Grammys

Let's Put On a Show!

Concept: struggling performer/receptionist meets two would-be impresarios (big dreams, no experience.) They take some tunes the singer's been noodling around with and make a record. International acclaim ensues. The singer quits her day job; the guys start their own record label.

Though it sounds like the stuff of vintage MGM musicals, this contemporary fairy tale really happened to Steve Addabbo '73. Together with Stony Brook classmate Ron Fierstein '71, Addabbo discovered singer/songwriter Suzanne Vega. They produced her selftitled debut album and its follow-up, *Solitude Standing*, which yielded the 1987 hit "Luka." Yet things might have turned out differently were it not for bad food and crummy hotels.

Addabbo started out playing guitar for Arbuckle, a band he joined while still at Stony Brook. Fierstein and Gil Bowen '72, '75, '83 (now University registrar) were bandmates. Arbuckle achieved





some success, in its heyday opening for Bruce Springsteen and Dr. Hook. But after five years of what Addabbo describes as "playing in clubs, knocking around," he grew weary of life on the road. His Stony Brook engineering degree got him a job as a technician at the Hit Factory, a Manhattan recording studio frequented by major artists of the day.

"You'd have Hall and Oates sitting there, with an amp buzzing and a piece of equipment going up in smoke," he recalls. "I'd have to go in and help them get the sound they wanted." He made a good living, but he wasn't really happy. "I wanted to make my own records," he says.

Reenter Fierstein. He'd become a lawyer after Arbuckle's demise, "but



Howie Klein '69: "I am awed and chastened by the greatness of our artists."

basically, he hated it as much as I hated being a technician," Addabbo says. Over lunch they agreed to start their own company, "with Ron managing the business end and me taking care of the music. We wanted to find an artist, develop them, sign them to a production deal." AGF Entertainment was born, and the partners set about shopping for talent.

One month later they heard Suzanne Vega sing in a Greenwich Village club. Ron and Steve invited her up to the studio to make a tape; they were knocked out by Vega's distinctive vocals and the songs she'd written. The three spent the next year-and-a-half making a record. When it was done, Addabbo and Fierstein brought it to



Eric Clapton: even guitar gods need Howie

A&M Records because, Addabbo says, "Cat Stevens was on A&M and we were big Cat Stevens fans." They were promptly rejected by A&M and every other label they approached.

Undeterred, they encouraged Vega to keep performing around town. One day *The New York Times* called her "heir to the throne of Joni Mitchell." Suddenly A&M came calling, record contract in hand.

"It was very scary times," Addabbo says. "We had to learn a lot fast." He and Vega drove to gigs in a rented van Addabbo put on his credit card. The record was becoming a hit, in this country and in Europe. It was time to go into the studio again.

Solitude Standing, Vega's second Addabbo-produced effort, succeeded beyond their wildest dreams. One song in particular caught on. "Luka" had a catchy hook ("My name is Luka") and disturbing lyrics about child abuse, made more chilling by Vega's direct, unsentimental delivery. The single dominated

Filter: one of Klein's favorite bands





Hey, Cousins! WCBS-FM's Maria Martello '86 with famed disc jockey Bruce ("Cousin Brucie") Morrow.

the airwaves, reaching Number Three on the Billboard charts. "Seeing Suzanne sell out Radio City," Addabbo recalls, "I kept saying, 'Pinch me."

Addabbo and Fierstein still manage Vega's career. They've started their own label—Plump Records—and work with a number of artists, including comedian/actor/playwright Harvey Fierstein (Ron's brother.) And Addabbo has high hopes for Once Blue, a new duo whose recent debut album he produced.

Addabbo's no longer a starry-eyed newcomer to the music business. But whether he's producing records or keeping an eye out for raw talent to develop, he goes with the same gut response that moved him as a kid collecting albums. "I make sure," he says simply, "that the music really hits me."

Keep on walking strong, with your heart open wide —The subdudes

It should've been easy.

As director of promotion and publicity for Windham Hill/High

Street Records, John Vernile '81 is responsible for getting his label's records played on the radio. Those records are made by the likes of John Gorka, Patty Larkin, the subdudes some of the popular "Triple A" (adult album alternative) format's best-selling artists. And Vernile's got the perfect setting to pitch them in: a national convention of public radio people, who'll be treated this evening to a special showcase concert by the subdudes.

But things haven't gone well for these conventioneers. Called on the carpet by Congress, their very existence questioned by the Speaker of the House, the broadcasters are fighting for survival. They're not particularly interested in anything John Vernile is peddling.

9 p.m.: Vernile huddles with a subdude. With his string tie and curly white goatee, the musician looks vaguely like a veteran of the War Between the States. The band's equipment is late, which means they'll have to go on without a sound check. **9:35:** Some radio folks venture in early, only to be ejected by a hotel employee. Vernile is there in an instant to smooth things over, shaking hands and making introductions. He's all in black—turtleneck, jeans, hair, eyes.

10 p.m.: The subdudes begin to play. The audience looks dejected; some stare at their shoes.

10:05: Feet are tapping. Guitarist Tommy Malone invites the crowd to "feel the parquet floor between your toes." Soon the floor is full, people doffing purses and sport coats to dance with abandon. Vernile works the room, smiling, nodding vigorously. He's got one eye on the band, another on the door, and a third eye takes in the crowd's increasingly joyful response to the subdudes' funky stew of blues, gospel, rock and New Orleans R&B.

He's talking up *Primitive Streak*, the band's new album. The harder he sells the softer his voice, the more intense the message the more easygoing his manner. Soon the music's too much for him; Vernile joins in the dancing,



He's With the Band: Vernile (far left) in Monterey with the subdudes and KPIG-FM's Laura Ellen Hopper (third from left).

exchanging grins with the band.

Vernile is a translator, a straddler of cultures. Linking musicians with what he calls "the world of radio, with its own set of values and conditions for success," he's sympathetic to the joys and dilemmas of both.

Having worked in broadcasting (as a WUSB volunteer during his Stony Brook years, then as a manager of television and radio stations), Vernile knows the pressures. "People don't understand that program directors' and music directors' jobs are on the line every time they add a record to rotation," he says. "You have to give them credible evidence that your record will not be a 'tune-out', but a 'tunein.'" Vernile also makes sure his artists are lively and prepared (no cuss words, please) when they do live radio appearances.

At the same time, he's protective of the musicians. "These people go to bed at three in the morning," he says. "You can't ask them to do radio at 8 a.m. So you factor it in. You find anoth-



Back in the day, John (center) joined Lister Hewan-Lowe (right) and a fan in the WUSB studio.

er solution." He travels with artists, riding the same bus, staying in the same hotels. "You get to really respect what they're going through," he says. "Many of them—especially developing artists—travel pretty low to the ground. They carry their own bags and drive with no sleep."

In a sea of "Hiya, babe" hucksters,

Vernile is known as a straight shooter. "There's a lot of shady types in the business. John's one of the guys who's just real decent," says Bruce Ranes, producer of the syndicated radio program "World Cafe." High Street artist Patty Larkin says of Vernile, "He earns his money. He's incredibly knowledgeable about the radio industry. The hard thing is to get music into commercial radio rotation; I think he's got his work cut out for him."

Vernile's forthrightness has its roots in the Bronx—he grew up in the Arthur Avenue section—but he honed it to perfection at Stony Brook. "There's a skepticism that's deep in the place," he muses, "but there was also none of the trappings of class or politeness or whatever. People spoke their minds, they spoke their hearts."

Vernile's heart goes wherever his job takes him. He works 12-hour days, six days a week, and spends four months a year on the road. But he says it's worth it. "Frankly," Vernile says, "I love music, and I always have."

D P I N I O N S

Adventure in Huairou

Expecting repression at the United Nations Non-Governmental Forum, two women instead found liberation and joy.

by Vera Baquet '81, '93 and Victoria Rundberg-Rivera

Uera: "Dear Louis, if you read this I am dead..." Thus began a letter I wrote to my 21-year-old son, a junior at Xavier University. In it I discussed such matters as the mortgage and life insurance, and offered him my sincere thanks for being a wonderful son. With that task complete, I headed off to China and the Non-Governmental Organization Forum on Women sponsored by the United Nations, held August 30 to September 8, 1995.

Mind you, I am no novice to travel. I went to Turkey alone in 1979. Nineteen Turkish cities were under martial law, and the United States government issued a travel advisory to dissuade Americans from visiting. Yet, I fell in love with the country and its people and stayed longer than I had originally planned.

This time, I was frightened to death. The press painted pictures of intimidation and pandemonium. I had the additional worry of traveling with my partner, a woman.

Vicki: I cringed at National Public Radio's reports of warnings being issued in Beijing, advising citizens there to avoid contact with foreigners during the forthcoming conference. The reporter said that police were being armed with bedsheets, since the Chinese expected that "thousands would be marching in the streets" to protest for women's rights...in the nude. We heard news of covert hotel searches and overt intimidation of delegates to the conference. A packet arrived from Washington, D.C. "strongly urging" us to register with the U.S. Embassy prior to departure. By the time we left, my growing discomfort had transformed into pure, undeniable fear.

Uera: I worried about what literature to bring. "You may bring in one prayer book but not two, and that one must leave with you," warned more advisories. We also received graphic descriptions of punishments for people who dared bring in pornography. I agonized about bringing Anne Rice's novel, Memnoch, the Devil and Edith Hamilton's Mythology (with a photo of Michelangelo's David on the cover.) I took the supreme risk and brought them both.

We read reports that we were to avoid the People's Armed Police—the dreaded "green police"—at all costs. With this misinformation and more, we arrived at Beijing International Airport.

Uickl: Much to my surprise, we were not greeted by gruff police officers, nor were we ignored by suspicious, aloof passersby. Having clutched my briefcase and barely breathed through Customs, I now certainly felt the fool.

Vera connected with a group of Brazilian delegates. We were caught up in a whirlwind of Spanglish, Portunol (Portuguese/Spanish) and charades. After we taxied 30 miles to Huairou, site of the N.G.O. Forum, a young man checked my I.D. He smiled broadly and said, "It is good for us to meet people from many other countries, because we cannot travel as you do. Now we can practice our English with you."

Uera: At the airport I was approached by a security guard. I steeled myself for the worst. "Hi, where are you from?" he asked. When I told him New York, he winced and asked how I could live with such crime and filth. After about 15 minutes of getting to know one another, he finally said, "You should move to Beijing, it's a much easier life." I did not know it at the time, but after my experience at the Forum and in China, I would consider it.

I felt welcomed and then nurtured from the time I arrived. Our first activity at the Forum was to march in the Lesbian Rights March. Women of all religious, racial and national backgrounds lifted their hands in solidarity. I spent much of the march in tears.

Muslim women in chador smiled their acceptance. Two sari-clad women from India asked to take a photograph with us. The term "Global Village" took on concrete meaning at that moment. The warmth was sincere and unconditional.

Vicki: Our days were spent either participating in or presenting workshops. We had applied to the United Nations to present two workshops and a seminar. All three proposals were accepted; they were: "Quality Infant Care: A Partnership Between Parents and Teachers," "Unlearning Bias: A Tool for Effective Leadership" and "Women's Mental Health: An International Perspective." I was most concerned with the last one. Would we face a group of angry lesbians, ready to denounce me-a psychiatristbecause of the widespread misinformation about homosexuality being a treatable pathology in today's society?

What we found was an audience ready to do some concrete, hands-on work in an interactive setting. Their energy and conviction were inspirational. Alliances were formed across multiple divisions of race, class, age and profession. International networks were established, and we were invited to



When in China, visit the Great Wall. Baquet (left) and Rundberg-Rivera obliged, happily.

give a presentation in Delhi, India, next year. We were connected more as people than as "experts" of one form or another.

Uera: Our experience as participants was fascinating as well. There were hundreds of workshops, seminars and panel discussions from which to choose, on such topics as environment, science and technology, media, human/legal rights, economy and arts and culture. I felt I needed three months to experience properly all that was offered.

At no time did I feel repressed. The "green police" own and operate a bar in Beijing. Local people explained that the bars owned by the police are safe; we were warned against going to "mob-owned" clubs.

When we were not attending the Conference activities, we sought out "real" neighborhoods in Huairou (the N.G.O. Forum site) and Beijing (where the United Nations Conference was held.) We ate in local, family-owned restaurants and shopped in open-air markets. Many times we found ourselves to be the only non-Asian faces in the crowd, but at no time did I get the sense that people were afraid to talk with us.

Parents would tell their young children to say "Hello" to the visitors. I will never forget their eager little faces aiming to please, as they proudly practiced their English. Late one night we got hopelessly lost as we walked back to our hotel. I imagine we were a funny sight, trying to read the street signs, but at least 10 people came out in the street to help us. It was a lot of fun, and sobering. If we had followed the instructions of our State Department, and heeded the media, we would never have had such experiences.

I must say that, while I do not agree with the Chinese government's decision to separate the N.G.O. Forum from the United Nations Conference, I understand its motives. If I were organizing an international conference and the KKK, Nazis and the Christian right were planning to attend, I would put them in an obscure part of town, too. I perceive those groups to be a direct threat to my survival. Who knows how the Chinese government perceives me?

UICKI: Having had the opportunity to participate in a conference of this magnitude (more than 30,000 attended) has left a lasting impression on me. Those who chose to boycott—focusing on the Chinese government rather than on the gentle Chinese people who hosted us—missed a life-changing event.

Perhaps it struck me most intense-

ly when, as we returned to our hotel the night after the Forum ended, we were greeted by the sound of young women singing from a balcony. A group of young men sang back in response, and laughter echoed through the courtyard. And then, from a far corner where we had passed some green-clad police officers, came yet another wave of laughter and song.

Uera: The United Nations conference organizers should be proud of their work. The Forum was a success, if judged by the words its organizers used to state the event's goals: "to bring together women and men to challenge, create and transform global structures and processes at all levels through the empowerment and celebration of women."

If I were writing that letter to my son with the information I now have, I would begin, "Dear Louis, I am off to an adventure of a lifetime..."

Vera Baquet is director of the University's Toscanini Infant Center. She received the B.S. in biology in 1981 and the M.S. in technological systems management in 1993, both from Stony Brook.

Victoria Rundberg-Rivera, M.D. is a clinical psychiatrist at University Medical Center.

Send us your opinions, no more than 1,000 words. We'll edit to fit space.

ROOKMARKS

Polar and Zola

POLAR, THE TITANIC BEAR

By Daisy Spedden; Illustrated by Laurie McGaw Discovered and edited by Leighton H. Coleman III Little, Brown, & Co., 1994 64 pages

P

olar, The Titanic Bear is the true story of a toy Steiff bear and his American Edwardian family who survived the *Titanic* disaster on the night of April 14, 1912. The following year, Daisy Corning Stone Spedden, an amateur diarist, illustrator and photographer, created a small book for her 8-year-old son, Douglas. Douglas and his parents had survived the wreck of the *Titanic*, watching from a small

rescue boat as the ocean liner sank. The story of the family's adventures is related by Douglas's toy bear, Polar, which the boy clutched during the early minutes of the disaster, lost as he entered the rescue boat, and then found again and brought back to his home in Tuxedo Park, New York.

This adventure of boy and bear would have been forgotten, and thousands of children today would have been deprived of a marvelous true story had not Leighton Coleman III '87 been a curious schoolboy—and a very persistent man.

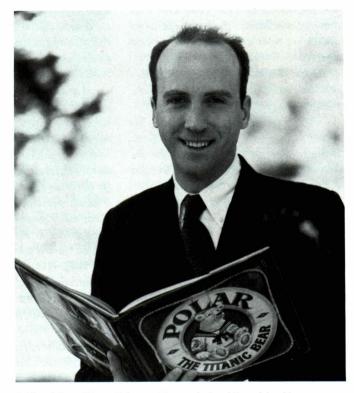
Eighty years after the *Titanic*, 14-year-old Coleman, rummaging in his grandfather's barn in Stony Brook, spied a steamer trunk covered with shipping stickers that was about to be discarded. In the trunk, Coleman found dozens of photo albums and diaries bound in red leather, beautifully boxed and preserved. There too Coleman discovered the little book written by his great-great aunt for her young son.

Although the *Titanic*'s sinking "was the biggest media sensation of that time, after the assassination of Stanford White," Coleman discovered in her diaries that no one ever asked his aunt about it. Only two years after surviving one of the worst sea disasters in history, Douglas was hit and killed by a delivery truck in Winter Harbour, Maine. "He became the forgotten boy," Coleman says. "No one ever spoke about him, and over the years, the family forgot that Aunt Daisy had a son."

For this reason, Coleman was especially determined to see that the book Douglas's mother had written for him was published. And he knew that contemporary children would be engaged by the story of the boy and his bear, and would learn something about history in the telling.



One of Daisy Spedden's original "Polar" drawings found in a trunk.



Leighton Coleman '87 stumbled upon a "forgotten boy" and his much-loved bear.

Later, as a student at Stony Brook, Coleman wrote an essay in an English class about his discovery and was encouraged by his teacher. But he put the book aside to study at the Parsons School of Fashion Design in New York City. For a few years he worked on Seventh Avenue, winning, in 1991, the Donald Brook Gold Thimble Award.

But Coleman was haunted by the idea of the little book. For more than three years he pursued publishers, but found that "because the writer was dead, they saw no chance for a sequel, so they weren't interested." Then Little, Brown, & Company "saw an interesting idea and came up with a clever way to package it," says Coleman. Canadian illustrator Laurie McGaw incorporated period photographs and her own illustrations of Edwardian children at play. "The only thing that's not absolutely accurate," says Coleman, "is the color of the smokestack on the ship on page 43; it should be red." Coleman has become an expert on ships as a result of his research on Polar: "I've also learned a lot about merchandising, marketing, book publishing and promotion," he says.

Polar, now entering its third printing, had a first run of 75,000 (the average first edition of children's books is 1,500.) The book is also published in German and Dutch.

F.A.O. Schwarz offers a genuine Steiff Polar bear at \$350 ("Douglas's original Polar cost \$80," Coleman says—"a lot of money in those days") and a cheaper replica for \$16.95.

The William Morris Agency now represents Polar the Bear—"Polar, not me," says Coleman. "I'm just the finder."

ZOLA: A LIFE

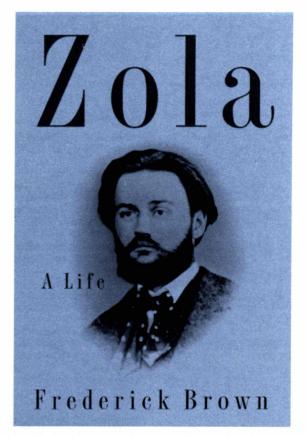
By Frederick Brown Farrar, Straus and Giroux, 1995 888 pages

French novelist Emile Zola (1840-1902) believed a novelist should work like a scientist, objectively and dispassionately. Inspired by reading medical texts and social history, Zola applied scientific techniques to his portrayal of French society under the Second Empire. In a series of twenty novels, *Les Rougon-Macquart*, he described his often sordid characters in scrupulous detail. For a fastidious man, obsessed with order, Zola nevertheless managed to create for himself a messy personal life complete with two sets of families—one with his wife, Gabrielle Alexandrine, and the other with his mistress, Jeanne Rozerot.

In a monumental biography, Frederick Brown, professor of French language and literature at Stony Brook, weaves Emile Zola's letters and other papers into a powerful narrative that includes an analysis of Zola's works and sets them in historical and political context.

A proponent of the school of French naturalism, Zola extended the novel form. He wrote of the decay of a family through heredity and environment as its members battled alcoholism and disease. He wrote of Paris's lower class, and of coal miners in Northern France. Though he would write of degenerate men in squalid conditions, he was an idealist and a zealous reformer.

Zola's well-known part in the Dreyfus Affair, notably his



The New York Times Book Review named Professor Brown's book one of 1995's "Ten Best."

article "J'accuse" in 1898, defending Alsatian Jewish army captain Alfred Dreyfus against false charges of espionage, was, Brown argues, an extension of Zola's championing of the outcast and victim in his works of fiction. Prosecuted for libel, Zola escaped to England. Later, he was given amnesty and returned to France, where he died of carbon monoxide poisoning. A mystery still surrounds his death; half a century later the newspaper *Liberation* received a letter from an elderly subscriber stating that a friend of his, a stove fitter and an anti-Dreyfusard, had, in 1927, confessed on his deathbed to blocking Zola's chimney, thus deliberately causing his death.

Zola once remarked that "one thinks one has revolutionized the world, and then one discovers at the end of the journey that one has revolutionized nothing at all...Men remain the ephemeral creatures they have been since they first appeared on earth."

Perhaps the greatest symbol of Zola's powerful personal magnetism resided in the bond that grew between his widow and mistress as they nurtured Zola's children and kept his name alive. "Strictly quarantined from each other during Zola's lifetime," writes Professor Brown, "the two women formed, after his death, a pious sisterhood, cherishing in Denise and Jacques the man they had divided between themselves." Fifteen years in the making, *Zola: A Life* gathers power as it moves along toward the dramatic unfolding of the Dreyfus event, drawing the reader ever deeper into the mind and life of this brilliant, complex and powerful writer, against the backdrop of fin-de-siecle France.

-Ceil Cleveland

Around the Mall

News You Can Use

Whiz Kld

The first time Clare Grey met high school student Sidney Chang, she knew the chemistry—in the lab and between them—would be right. "With Sidney, I sensed her driving force was the research, not the competition," says Grey, an assistant professor of chemistry who mentored Westinghouse Science Talent Search finalist Sidney Hsiao-Ning Chang of Dix Hills.

Chang spent the summer of 1994 in Grey's lab as a participant in Stony Brook's Summer Research Institute for talented high school sophomores and juniors. She returned last year as a Simons Research Fellow, spending an additional six weeks doing research under Grey's tutelage.

In March, Chang—one of six finalists from Long Island—took ninth place in the Westinghouse competition, finishing ahead of the others to win a \$10,000 scholarship. (A third of the 40 Long Island semifinalists were mentored at Stony Brook, including four finalists.)

Chang says the opportunity to study here changed her life. "At Stony Brook, I learned what science is about," says the teen whose exposure to solid state chemistry in Grey's lab influenced both the subject matter for her winning Westinghouse project and her decision to pursue a career in chemistry. That doesn't surprise Grey. "Our programs for these talented high school students are confidence builders. We give students experiences they could never get out of a book."

Doctoral Distinction

The University's doctoral programs received high marks in a recent review released by the National Research Council (NRC.) Out of 10 SUNY doctoral programs in the top quartile of the nation, nine were at Stony Brook: Biochemistry, Cell and Developmental Biology, Ecology and Evolution, Genetics, Mathematics, Music, Pharmacology, Physics and Psychology. Of the 38 doctoral programs ranked best in New York's public universities, Stony Brook had 19: Astronomy, Cellular and Developmental Biology, Chemistry, Comparative Literature, Computer Science, Ecology and Evolution, Economics, Genetics, Geological Sciences, Materials Science, Mathematics, Molecular Biology and Biochemistry, Neurobiology, Pharmacology, Oceanography, Physics, Political Science, Psychology and Sociology.

The NRC ranks doctorategranting institutions in the United States. Its latest review was based on a survey of 8,000 faculty in 274 institutions throughout the country.

Preserving Pollock-Krasner

When Jackson Pollock and Lee Krasner lived in it, their modest house on Long Island was the epicenter of one of the most important movements in 20th century American art. Now the Pollock-Krasner House and Study Center has been designated a National Historic Landmark by the U.S. Department of the Interior.

Pollock and Krasner, two of the foremost Abstract Expressionist painters, left Greenwich Village in 1945 and settled in East Hampton. There Pollock created his best-known works, poured paintings that some called "energy made visible." After his death in 1956, Krasner stayed on, continuing her own career. Her will (Krasner died in 1984) stipulated that the property be preserved; today the University maintains it as resource for students and scholars. The artists' home and studio are among 2,000 sites nationwide to achieve landmark status; only a dozen are associated with the visual arts.

The fiftieth anniversary of the artists' residence was marked by exhibitions of Pollock's screen prints and Krasner's figure drawings, and scholarly symposia cosponsored by the University's Humanities Institute. The programs were supported by grants from the National Endowment for the Arts, the Eugene V. and Claire E. Thaw Charitable Trust, the New York State Council on the Arts, and the Town of East Hampton.



While Stony Brook mentor Clare Grey (center) looks on, young chemist Sidney Chang (left) presents her work to reporters.

Make My Day

Are we becoming a nation of angry people? Looks that way.

Irritability, frustration and impatience are becoming such a part of the American psyche that they have spawned a new cottage industry: anger workshops, howto books and videos that tell us how to be nicer to each other.

Don Nance and Pennie Myers, co-authors of The Upset Book, conducted a seminar at Stony Brook on "Dealing with Upset People." The session drew more than 200 participants, and touched a few raw nerves.

Nance and Myers outlined a program they say can be used to diffuse anger at Stony Brook and elsewhere. "People want to be acknowledged and treated with respect," Nance says, summarizing a message the couple delivers nationwide to thousands of college, health care and business audiences. "Our basic thrust is that while there are things over which we have no control, we can control the way we treat people.'

Universities, he points out, have been slow to experience the public's dissatisfaction in dealing with those who work for local, state and federal agencies. "Most public agencies have been suffering declines in staff. They've had to do a lot more with less. These pressures result in long lines and short tempers, not to mention rude customers and staff. "Universities used to be islands immune to that," Nance says, "but today they are really part of the picture.

Massachusetts Institute of Technology and Harvard have capitalized on that big picture and on the public's angry swagger. The two schools underwrite a Disputes Program for corporate executives and regulatory agency officials facing irate constituents.

Other approaches are being taken to deal with hostility erupting from a work week that for many has become longer and more difficult. (Americans, in fact, have 40 percent less leisure time than they had in 1973.) Some employers offer "perks" such as flexible hours, retreats, even stress-reduction classes. But not every company agency or institution can afford to do that.

Where will it lead? "To a world that's even more irritating than now," concludes Florida psychologist Helen Ackerman. 'We can fight back by making our individual environments a little bit nicer. We can program our answering machines with polite rather than abrupt messages. We can pop a cassette of cheery music into our car stereos when traffic jams. And we can try harder to be nice, even on a bad day. If we don't make that effort, we will continue a down-spiral and become less and less civil to each other." -Vicky Penner Katz

Good Reads

"Some books are to be tasted, others to be swallowed, some few to be chewed and digested,' wrote Francis Bacon. We asked Stony Brook people to name the tome they'd be most likely to pick up when they're relaxed at home or ensconced in a summer place:

PAUL EDELSON, Dean, School of Professional Development and **Continuing Studies**

I'm sprawled out on the couch, Billie Holliday on the tape deck, maybe a glass of wine. I'm reading NEW PASSAGES by Gail Sheehy. I'm intrigued with how the baby boomer generation (of which I am one) is coping with middle age. From what I've read so far, Sheehy thinks many of us are starting our second adulthood at age 45 or so, getting to do the things we really want. On the other hand, here I am coping with so much uncertainty and doubt, I'm not sure I can cope with a second adolescence.

ALEX KING, Professor of Materials Science and Engineering

Presuming I didn't have a technical book that I had to read, I'd like to read MAY THIS HOUSE BE SAFE FROM TIGERS by Alexander H. King. I've always wondered what my namesake's work was like, but I know I agree with his position on one important issue. He said: "Actually this seems to be the basic need of the human heart in every great crisis-a good hot cup of coffee. And that's all I know about him!

PAUL GRANNIS, Protessor of Physics

I'd enjoy the prospect of picking up THE SIXTEEN PLEA-SURES by Robert Hellenga. It indeed combines many pleasures I have in reading. It is a delightful period piece set in Florence just after the destruction of the River Arno floods. Its irreverent heroine, an American librarian, has volunteered her services in restoring the water-damaged books, and mixes with a vivid collection of Florentine characters. Along the way, she stumbles into an intrigue with both political and salacious dimensions.

RICHARD FRIEDMAN, Professor of Psychiatry and Behavioral Science One of my favorites is THE

CREATORS by Daniel J.

Boorstin. Let me give you an example. It is boring to read "Imperial Rome fell to the Goths in 410 A.D." It is more exciting to read it the way Boorstin describes the event. "It was midnight, August 29, 410 A.D. The residents of Rome were awakened to the sounds of Gothic war trumpets, heralding victory...the very center of culture and grace had fallen to the barbarians. For every civilized human being in the world, it was the apocalypse."

JOHN H. MARBURGER, Protessor, Physics/Electrical Engineering

I would read THE WORLD OF THE SHINING PRINCE (Ivan Morris, 1962), an account of court life in Japan in the tenth century. The extreme isolation of Japanese culture at this time created a unique environment in the imperial city (now Kyoto) in which refinement and aesthetic principles were valued. Our own civilization has subcultures that attempt to preserve these values. but on average our national mood is uncongenial to refinement. Best to reflect on a time and place where national leaders meditated upon nature and wrote poetry.

BROOKE DONATONE. Associate Features Editor and columnist, STATESMAN

I would choose THE DARK HALF by Stephen King. His earlier works are much more original and interesting than the recent books he churns out to meet deadlines. THE DARK HALF shows how everyone has two sides, sometimes more evil than you imagined. Besides, there's nothing like a good horror book. Just don't answer the door.

SAM KORNHAUSER, Head Football Coach and Associate Athletic Director

THE WINNER WITHIN by Pat Riley. I enjoy reading about great accomplishments that can come about by teamwork.

BURTON POLLACK. Dean. School of Dental Medicine

I would pick up a book written by my favorite "relaxed-time author," John Mortimer, who writes the RUMPOLE OF THE BAILEY series. Being an attornev myself, I find Rumpole both entertaining and interesting from a legal perspective, a far cry from reading professional journals and texts. When I'm not buried in the latter, I like my reading light.

MICHAEL MAFFETONE. Director and CEO, University Hospital

If I was curled up with a good book, the book would probably be THE CAT IN THE HAT, since it is highly likely that my two three-year-olds and my sevenyear-old would also be curled up in my lap. During those times when I am at home and able to relax, we all seem to occupy the same three square feet. I wouldn't have it any other way!

ALDUSTUS JORDAN, Associate Dean, School of Medicine

The year is 1955. The event is the final game of the world series and the Brooklyn Dodgers are the champs. Jackie Robinson's I NEVER HAD IT MADE provides me with insights into the human side of one of my heroes. I continue to read passages for enjoyment and counsel as a parent, a citizen, and a man. As a boy growing up in South Jamaica, Oueens, I dreamed about becoming a Brooklyn Dodger. My stickball games were complete with entire lineups...Gilliam, Reese, Snider, Hodges, Campy. But there was always lackie, whose flair as a base runner and humility as a man won over a generation.

GIGI LAMENS, Dean of Admissions

I would curl up with a Taylor Caldwell novel, perhaps CAP-TAINS AND KINGS or A SOUND OF THUNDER. I enjoy Caldwell's writing and am fascinated by her characters. The main characters possess intelligence, keen insightfulness, and a quiet but strong determination. When deep into one of her novels, I become so absorbed that, when I look up from the book, I expect to be in the very place that I am reading about. Coming to the end of a Caldwell story saddens me because it's like closing the door on friends I'll never see again.

JOEL PESKOFF '79

1984 by George Orwell and THE WEALTH OF NATIONS by Adam Smith. Smith's view that the sum effect of each person acting in his/her self-interest improves production and efficiency, in ways better than any amount of central planning could have done, is appealing to me. Orwell depicts a (then) futuristic world where countries have merged into a few super-country alliances. Alarmingly, the bureaucratic language that developed, "new speak," is like the code phrases batted around government today. The attitude that gives rise to the term "non-person" in 1984-where the existence of a person executed by the state is denied by that state-resembles that of people who use terms like "plausible deniability" in our government. Orwell's cynical view from fifty vears ago about the control of people by other people is something I think about.

-compiled by Carole Volkman

In the classroom

A New Element

Positive interdependence, individual accountability. Buzz words from a management seminar? No....these concepts represent a new way to teach undergraduate chemistry at a large research university.

Chemistry professor David Hanson thought that courses in Introductory or General Chemistry were not preparing students for their lives after college. These courses were usually large-class lectures and small-class recitations (often poorly attended), with little opportunity for student involvement. Undergraduates needed to learn process skills, Hanson says to learn to acquire, apply and generate knowledge themselves.

So he turned large classes into workshops. Here students can see how what they have learned can help them solve the problem at hand. This helps them build skills in learning, thinking, problemsolving, teamwork, management, communicating, and assessment.

In the workshops, nine groups of four students work as a team to solve problems based on material they have learned as abstractions. They read short stories that present problems one encounters in the real world. Teaching assistants serve as facilitators who encourage students to use "critical questioning."

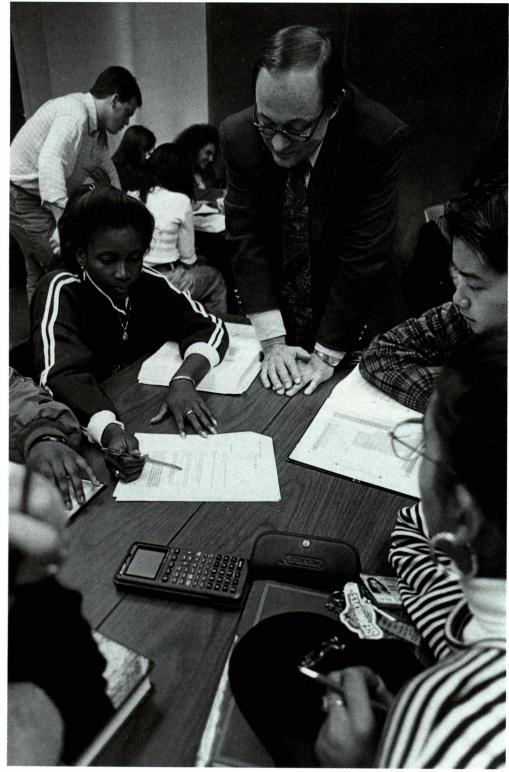
At the end of the workshop, the groups assess their work and assign a grade to themselves based not on correctly solving the problem, but on how well they worked together to reach their conclusions. "We had to prepare before each workshop and read the material. If one member wasn't prepared, the whole group received a lower grade," says sophomore Gladys Reves.

Students are also given weekly homework using the Computer Assisted Personalized Assignment system (CAPA). With this system, instructors create and print an individualized assignment for each student.

Students report their answers via the campus computer network, and a central computer instantly notifies them of their results. Students may recalculate and plug in new solutions until they are correct. The CAPA system, introduced at Stony Brook by professors Roy Lacey and Brad Tooker, also offers helpful problem-solving hints. Hanson and his colleagues surveyed the students, to get their responses to the new teaching methods. After four semesters, results are encouraging: 90% attendance at recitations; increased use of tutorial sessions; a majority of students assess the workshop assignments as challenging and worthwhile; and a significant number of students report an increase in their interest in chemistry and confidence in learning.

Hanson likes most "the improvement in students' attitudes and their increased interest in chemistry." In a paper submitted to *The Journal of Chemical Education*, Hanson says that "students working in cooperativelearning groups learn more, understand more, remember more, and feel better about themselves, about the class, and about their classmates." Sophomore Shivani Kaushesh agrees. "Rather than just memorizing answers," she says, "I became more interested in understanding the problems, not just in solving them." This new approach to teaching chemistry appears to be working: enrollment in second-year Organic Chemistry is the highest ever.

-Donna Scott Vaccaro '88.



Remember intro chem? Professor David Hanson (center) eliminates the trauma, makes it meaningful.

Students

It's Better

Efforts to increase retention of undergraduates have made life at a large university less bewildering for new students. The Student Services Center on the second floor of the Administration Building lets students complete all registration procedures on one line, rather than shuffling dispiritedly from window to window. (No longer does the Admin lobby resemble an audition for a George Romero film.) An early-alert, academic advising system pairs new students "at risk" (those with lower than average SAT scores, for example, or students who experienced academic difficulties in high school) with advisors who provide one-on-one help. And the Center for Academic Advising, new student orientation, and USB 101 (the University's orientation course) have been integrated to provide a more holistic way of assisting new students.

Students in Blue

You'll find them everywhere. Chatting on the Academic Mall with a visiting dignitary, joking with a group of high schoolers as they guide them through a labyrinth of buildings. Sitting in on an interview of a senior administrator, posing questions from the undergraduate perspective. They are the Stony Brook Student Ambassadors. Look for the traditional Ambassador garb, a spiffy blue blazer.

Selected through an interview process that might prove daunting to a well-seasoned job applicant, Ambassadors possess outstanding academic ability, maturity and poise. Unfailing enthusiasm is a common denominator uniting students from a variety of ethnic and cultural backgrounds.

Toni Graceffo and Chris Hoimes are two of the 17 Ambassadors. They have in common a love for Stony Brook, positive outlook and a desire to help people. Perhaps that's why both plan to become physicians.

Toni is proud to bring visitors to the new Student Activities Center, now under construction. "It shows growth and change for the better," she says, "something we should all strive for in our own lives." Chris spends much of his time engaged in research with faculty at the Health Sciences Center, and enjoys reinforcing the communications skills that will enhance his career.



Acting out: Theatre Arts chairman Farley Richmond teaches improvisation to students dramatizing real-life stories of substance abuse. The Theatre Arts-Student Health Service collaboration is funded by a \$154,000 U.S. Department of Education grant.



Ambassadors Chris Hoimes, Sheeja Francis (top); Toni Graceffo, Julie Castano, Dawn Schneider (bottom, left to right).

Look for Toni and Chris and other students in blue. You'll find them backstage at the Staller Center, around Harriman Square, in the Melville Library. Ask them about Stony Brook. They'll be delighted to tell you.

-Phyllis Frazier

Ferraro Warns: No Quick Fix

If one word captures our jet-paced culture, said Geraldine Ferraro at

Stony Brook's student convocation, "it might be the word 'now.""

"We see evidence of this all around us," the former congresswoman told the students. "Lose weight in a single week. Play the lottery and be an instant millionaire. Leave Paris on the Concord at 11 in the morning and arrive at JFK at 9 the same morning."

We worship the short-term, she said, citing corporate executives who think in three-month increments or politicians whose timetables are dictated by the next election.

Ferraro, the first woman to be

nominated by a major party for Vice President of the United States, continued, "When education is the single most important determinant of economic status and the key to this nation's ability to compete in the global economy, how smart are student loan cuts in the long-term?"

Asking students to look at their society, she pointed out "the people who end up on welfare, who end up committing crimes and going to jail, who end up addicted to drugs, who are teenaged mothers and fathers, who are unemployed or homeless. You find a common theme that threads through their lives: The great majority of them dropped out of school."

We need to forget the quickfix and begin thinking long-term, she told the students. "Wouldn't the smart thing and cheaper thing be to figure out a way to keep these kids in school, so they can become productive members of our society? Do we really want to save a few dollars today by cutting programs that can impact tomorrow?"

You can't get a quick-fix education at Stony Brook, Ferraro warned. "No one gets an education in ten days or in three easy steps," she said, cautioning the students to use their time here "to learn one thing above all others: how to think. Maybe that sounds easy, but believe me, it's not. Too much of our time is spent viewing the surface of things instead of probing deeper." If one looks beyond the obvious, she continued, "you'll also be prepared to remake the world you inherit."

Research

Musseling In

There are ways to get rid of guests who stay too long, or show up unannounced. Stifle a yawn, glance at your watch, and eventually the interlopers take the hint.

But what if the "guests" cause thousands of dollars in damage and they just won't leave? That's the case with mussels, barnacles and other marine creatures that must cling to a surface in order to survive. These pests even invite their friends along for the ride, producing an ever-growing colony that gums up the works of boats and power plants.

Oceanographer Gordon Taylor and graduate student Dongquiang Zheng, of the University's Marine Sciences Research Center, have declared war on this unwanted colonization (called "biofouling.") Their strategy is effective and nontoxic, Taylor says, because "we looked to Mother Nature for advice."

Many marine plants and animals ward off pesky biofoulers by exuding noxious chemicals or by concentrating chemicals in their skins. Taylor and Zheng tested algae, sponges and other invertebrates that live in Long Island Sound, to find out which ones had the best natural defenses against biofoulers. The scientists identified four local species particularly good at repelling blue mussels, the major biofoulers along the Island's coastline.

Using an everyday Waring blender, Taylor and Zheng chopped up their specimens in the lab. Then they prepared crude extracts of chemicals the creatures used to fight foulers. Several extracts were strong enough to promise commercial potential as antifouling agents; the researchers have a patent pending on these.

Although biofouling is not a new problem, it's an expensive one. A. C. Gross, division manager of environmental engineering for the Long Island Lighting Company, estimates, "It costs the utility \$100,000 a year to clean mussels, algae and other debris out of intake systems. Shutting down a plant to clean its intakes can cost the company \$60,000 a day or more in lost electricity generation."

Utilities cope with biofouling in a variety of ways. Some coat their intake systems with paints that contain tin- and copperbased compositions. These paints leach toxins and can pose unacceptable risks to local ecology. Other companies use a new generation of nontoxic, silicone coatings that make surfaces slippery; however, some mussels are still able to grab hold. Taylor is testing a third approach: a naturally occuring antifouling agent incorporated into a slippery polymer. Though additional studies are needed, preliminary data indicate that the hybrid discourages colonization by adult and larval mussels, and is not harmful to the environment.

Taylor and Zheng are also leading the charge against the zebra mussel. Freshwater cousins to the blue mussel, zebra mussels have infested most major waterways in the Midwest and Northeast.

Taylor recently was spotted fraternizing with the enemy—at a conference where the bill of fare included mussels. "Well," he confesses, "they may be a nuisance, but they do taste good."

His studies are supported by a \$150,000 contract with LILCO and by \$25,000 from the Empire State Electric Energy Research Corporation.

Landmark Drug

"Moving from bench to bedside was a long, incremental process," says Barry Coller, M.D., former chief of University Medical Center's Division of Hematology, about the years he spent at Stony Brook developing the newly released drug ReoPro. It's the first Food and Drug Administration-approved, therapeutic drug to emerge from the state university system's laboratories. ReoPro is also the only drug on the market that, when used with conventional therapy, can prevent a heart attack and other complications in high-risk patients undergoing balloon angioplasty. Stony Brook holds the patent for ReoPro; fees and royalties are shared by the University and Coller, now with Mount Sinai Medical Center.

Wright Knight

After discovering a new species of lemur, getting a MacArthur Foundation "genius grant" and creating a national park on the world's fourth largest island, what's next? Anthropologist Patricia C. Wright has foregone the trip to Disney World. Instead, she's been named a Knight of the National Order, by the president of Madagascar. Wright, head of the University's Institute for the Conservation of Tropical Environments, founded and directs Madagascar's Ranomafana National Park; the project merges agriculture, health care, elementary education and ecotourism (not surprising, since Wright is a former New York City social worker.) Each year undergraduates conduct research projects through the Institute, traveling to the Malagasy rain forest to work alongside Wright in the wild.



Pulling mussels from the Sound: Taylor (left) and Zheng.

Sports

Dean on Deck

Richard Laskowski, dean of the Division of Physical Education and Athletics, discusses the athletic program with undergraduate Thomas F. Masse.

Q: What does the move to Division II mean for the University?

A: First it means increased exposure over a greater area of the Northeast. One of Stony Brook's biggest problems is lack of name recognition in the region—even in the local area. This will begin to alleviate that problem.

Q: What other advantages will the University experience?

A: Any time you move up, it's a move in the right direction. If we could have moved directly from Division III to Division I, we would have. But there are NCAA regulations that prevent that.

Moving up a division will allow us to recruit a better quality student-athlete and, in the long run, a better quality student. Look at all the Division I schools. Because their names are known across the country, they have a national pool of applicants. And not only is it a large pool, it's a large pool of exceptional students.

Finally, this move will bring some of our alumni back to Stony Brook. When alumni hear good things about their school, they want to come back and see what the excitement is all about.

Q: We chose the New England Collegiate Conference when we had a choice between that conference and the New York Collegiate Athletic Conference. Why?

A: When it gets right down to it, the NECC was a better deal for us. Though we will have to travel farther than we ever have before, this alliance will give us exposure in places that have never even heard of Stony Brook. We'll be playing in upstate New York, but we'll also be all over New England. That's something we've been wanting to do for a long time.

There's also something new in the works; an alliance between the NECC and the NYCAC, effectively combining the two conferences and dividing it along a north-south line. Now, for us, that's perfect. We'll be able to play the schools that are closer to us more often, but we'll still get the exposure in New England. Nothing's definite yet, but for us, it's the best of both worlds.

Q: In the last couple of years, athletics has sponsored a number of new, major events: Midnight Madness, the Tip-Off Dinner, the Garden Party. What do events like these do for the program?

A: Midnight Madness is for the students. The Tip-Off Dinner and the Garden Party are more for our alumni and our faculty and staff. In both cases the object is to get more people involved in the program.

We're looking to bring our alumni back to the University. They're what made this University what it is. We want them to enjoy the fruits of their labors.

Q: The three events we named are basically basketball-related events. Why do we seem to be concentrating on basketball?

A: Many kids play basketball at their local playgrounds. It's the sport of the 90s.

Basketball has the longest schedule of any sport we have at Stony Brook, plus we have men's and women's. And all our home games are played in the Indoor Sports Complex, so it's right on the campus, unlike the football and baseball fields that are farther away. So when people come to our basketball games, they also get to see what a great campus we have.

Q: With the recent formation of the Seawolves Athletic Association (SAA) and the 13 satellite support clubs, we seem to be putting a great emphasis on fundraising. How important is fundraising to the program's success?

A: It's of the utmost importance. Without it, we can't do what we want to do—move to Division I. It's as simple as that. The NCAA requires us to fund a certain number of scholarships, and to have certain facilities and a number of other requirements. And the state prohibits using state funds for athletic scholarships. So the bottom line is we have to raise that money ourselves.

Rick Cole has done a tremendous job in jump-starting our Corporate Sponsorship Program. But that's just one facet of the plan. Greg Economou has been working on developing the SAA and the support clubs. The success of those support clubs will have a great impact on the success of the program as a whole. We're really counting on our athletic alumni to come through for us, and so far, the response has been fantastic.

Everybody's All-American

In the annals of Stony Brook's athletic history, the first few pages tell the tale of Stu Goldstein, the University's first All-American.

Goldstein, now the president and chief executive officer of SDG Properties, a Manhattanbased real estate business, earned the designation "All-American" after the 1972-73 squash season.

"It was very exciting," Goldstein says. "Coach Bob Snider set up the program so I could face all the top competition in the nation." At the national tournament, Goldstein battled for his final ranking of seventh in the nation. The top nine finishers were named "All-American."

After graduating from Stony Brook in 1974, Goldstein pursued a professional squash career. For five years in the late 1970s, Goldstein was ranked as the top squash player in the United States. He was also ranked number one in the world for a year, and subsequently number two. Today, he is contemplating a try at the masters tour for tennis players 45-plus years old.

Goldstein passed on his love for racquet sports to his children. The father of two, he has directed his 11-year-old son Darren to a number 11 Eastern tennis ranking in the "14 and under" category. Darren has also been ranked as high as 32nd nationally.

In a recent phone interview, Goldstein reminisced about his years at Stony Brook. He recalls; "There was a lot of construction, a lot of mud, a lot of parties, a lot of good times, and a lot of hard work—academically and athletically." But the rigors "prepared me for a life as a professional athlete."

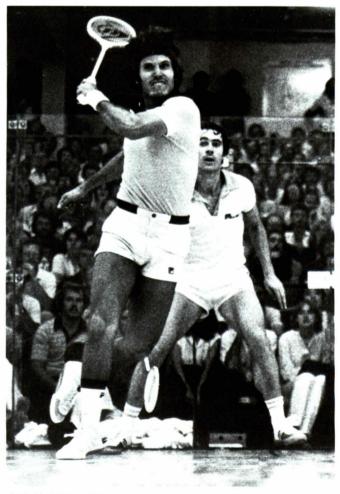
At the end of his son's first year at Stony Brook, Goldstein's father died. While it was a traumatic experience, Goldstein persevered with help from his friends. "I met my closest friends at Stony Brook—friends I still keep in contact with."

Stony Brook honored its first All-American with a Distinguished Alumnus Award in 1990, and inducted Goldstein as the first athlete in the University's Athletic Hall of Fame in 1991. At the opening of the west wing of Stony Brook's Indoor Sports Complex in 1990, the University dedicated a new squash lounge in Goldstein's honor.

Goldstein has shown appreciation for his alma mater, donating \$25,000 through the Rosenburg Foundation in November 1993. Recently, he accepted an invitation from the University to become a member of the President's Select Council of volunteer fundraisers.

"I owe a lot to Stony Brook,"

Goldstein says. "I had a wonderful experience and have a lot of memories." —Masse



Stu Goldstein '74 squashed many an opponent on his way to All-American.



Jumping Julie: a competitor won't give up.

Leap of Faith

Whenever two-time women's track and field All-American Julie Bonura hits the long jump runway, it's another leap of faith.

It was obvious that Bonura was a special athlete when she joined the team in 1992 after an outstanding high school career. In her freshman year here she qualified and competed in the NCAA Track and Field championships, in the 55-meter dash and in the long jump. She repeated her performance in her sophomore year.

Last year, Bonura brought it all together as she earned All-American honors in both events during the winter. She jumped 17'9" for a fourth-place finish and ran the 55-meters in 7.37 seconds for third last year.

Then, last summer, Bonura was injured while volunteering her time as a counselor at Stony Brook's on-campus day camp.

Now she visits a sports medicine specialist and undergoes extensive physical therapy. James Meegan, track and field head coach, says, "She's working harder than ever." Meegan says that when he became Bonura's coach, she lacked physical strength but had natural speed. During her first two years, Bonura had been hampered by shin splints and other minor injuries. After her sophomore year, Meegan placed Bonura on a weight-training program.

"She came in barely able to bench press 70 pounds," Meegan recalls. "Bt the end of the summer she was doing multiple sets with 110." Meegan's strength and stretching program allowed Bonura, for the first time, to complete a season injury-free. And then came the double All-American.

Last year, Meegan says, Bonura worked on speed and "getting her steps down." Even as an All-American, Bonura was still unable to reach her high school best leap of 18'4". But this year, Bonura has also worked on her technique. "The goal for her is to jump 19'6"," Meegan says, "qualify for the Division II nationals and ultimately jump 20 feet."

Two years ago Bonura was named to the *Eastern Track* magazine 1993 All East Indoor Track and Field Team. Last year, she was named Stony Brook's Female Athlete of the Year. "She could have hung it up, but she didn't," says Meegan of the athlete he calls "a leader for this team."

Giant Joe: a Seawolf gets the call.

-Masse

Diamond Gem

Seawolves' Joe Nathan, 21, has been drafted by the San Francisco Giants organization. He is currently on the AAA team in Washington, the Bellingham Giants.

Baseball head coach Matt Senk is outspoken when it comes to praising Nathan, calling him "without a doubt the best player I've coached at Stony Brook maybe ever."

In his three-year Stony Brook career, Nathan set records for doubles, home runs and slugging percentage, as well as being one of three players last year to reach the century-plus hit mark. Among his many honors, he was named Stony Brook's Male Athlete of the Year for 1994-95

Recently, Nathan was selected to attend the Giants' instructional league (meaning that the Giants intend to keep him.) —Masse

Corporate Seawolves

The Division of Physical Education and Athletics would like to thank corporate partners for their commitment and support:

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Far Places, New Faces

Chinese Scholar Honored

President Kenny traveled to Taiwan to officially welcome Dr. Kwoh-Ting Li into the Stony Brook family. She presented Li with an honorary degree (Doctor of Humane Letters) from the University, and spoke at a ceremony held to recognize his accomplishments.

Li, senior adviser to the president of the Republic of China, is regarded as one of the driving forces behind the economic development of Taiwan over the last 30 years. A scientist and statesman, Li helped guide Taiwan from an underdeveloped agricultural economy to industrialization. He is founding chair of the Chiang Ching-kuo Foundation, a private foundation

Top Posts Filled

Two key academic positions at Stony Brook were filled earlier this year. Norman H. Edelman, M.D.—one of the nation's most prominent medical school administrators-was appointed vice president of University Medical Center and dean of Stony Brook's School of Medicine. Edelman was dean of the Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey. A researcher and clinician specializing in pulmonary and critical care medicine, he helped establish and create the school's Center for Advanced Biotechnology and Medicine, revamped its practice plan and raised the national stature of the medical school by improving residency programs and recruiting some of the nation's top scientists to the institution.

Biologist Rollin C. Richmond was named provost. A specialist in the genetic mechanisms of evolution and author of more than 80 scientific papers, Richmond was dean of the College of Arts and Sciences and professor of biology at the University of South Florida in Tampa. Prior to



President Kenny in China, at ceremony honoring scientist and policy-maker Kwoh-Ting Li (far right).

that promotes the study of Chinese culture and society. The Foundation recently awarded a three-year grant to Shi Ming Hu, director of Stony Brook's Chinese Studies Program, to strengthen the program by developing cultural and scholarly activities. Li was instrumental in

establishing National Taiwan

University, with which the University holds an Agreement of Academic Cooperation. "As we all know, the Pacific

Rim countries are an everincreasing, important economic force in the world," remarked President Kenny at the ceremony honoring Li. "Stony Brook already has close ties with some of these countries, and it is a logical progression to extend this connection to include Taiwan. More importantly, the honorary degree honors Dr. Kwoh-Ting Li who, more than anyone else, was responsible for the economic growth of his country."



Norman H. Edelman

that, he served on the faculty at Indiana University for 20 years, rising through the ranks from assistant professor to full professor and chair of the Department of Biology. Richmond is a fellow of the American Association for the Advancement of Science and a member of the Genetics Society of America, the Society

Rollin Richmond

for the Study of Evolution, the Cosmos Club, the Behavior Genetics Association, the Society for Neuroscience, and the Council of Colleges of Arts and Sciences.

LUMNEWS

Class Action

It's no surprise that Stony Brook alumni have much to brag about so much that we've had to limit "Class Action" to the years 1962 -1980. Submissions from 1981 on will appear in the next issue of The Brook. To let us know what you've been up to, write: Class Action Editor; Office of Alumni Affairs; E1315 Frank Metville, Jr. Memorial Library; University at Stony Brook; Stony Brook, NY 11794-3354.

1962: Martin M. Dorio has been appointed C.E.O. of Clark Material Handling Company, a producer of forklift trucks. Formerly vice president of European planning and business development for Case Corporation, he was on the management team that produced 13 straight quarters of year-over-year gains. Marty earned a doctorate in physical chemistry at the University of Massachusetts, and will be moving back to the United States from Paris, France...1966: Judy (Zanky) Johnson and husband, Robert Johnson, Jr. ('68), have two children: Corey, 20, a sophomore at West Virginia University and Amanda, 17, is a junior in high school. Judy is vice president of Helveston & Associates, one of the largest manufacturers' representatives in the Southeast...1968: Lorna Michelson (PhD), lives in Columbus, OH with her husband. Sam and their sons. Ari and Daniel, where she works at the Ohio Center for Law-Related Education... Stephen P. Roth has been at Pratt & Whitney's West Palm Beach, FL facility for 26 years. He is responsible for development of advanced jet engine control systems, digital electronics, and rocket engine processes. Stephen and his wife, Viv, have been married since his graduation from Stony Brook and have three children. aged 11 to 20...Rick Thau and wife Joyce (D'Ambrosio) live in Los Altos, CA. Rick is C.E.O. of Oualix Group, a client server software company. They have two sons, Kevin, a senior at the University of California at Santa Barbara, and Russ, a senior in high school ... Cass S. Well was recently named a

"Leading Attorney" by his peers, following a statewide survey of lawyers conducted by the publisher of Guidebooks to Law & Leading Attorneys. Editor of Minnesota Legal Forms Bankruptcy Manual, Cass is one of the first lawyers in the United States to be certified in both business and consumer bankruptcy law. He is a partner at Moss & Barnett in Minneapolis, MN...1969: Anthony T. Cardace and his wife, Denise, are parents of 3-yearold Alison and a new baby, born last March. The Cardaces live in Ellicott City, MD...Joe Hartman lives in San Francisco, CA where he works as a civil servant for the Social Security Administration...Bob and Phyllis (Rosenbloom) Junghander celebrated their 25th wedding anniversary this past December. They have been living in Bellmore, Long Island, for the past 15 years. Bob is a district manager for Aramark, Inc., a food service company, and Phyllis is an accountant for Colony Industries in Garden City. They have two children, aged 23 and 19... 1970: Geraldine Donato works as a physical therapist for Visiting Nurses and Hospice of San Francisco. She is married to Dennis Tsai, and their daughter Joanna is 9 years old...Bernice Dresher is a counselor at Northport Middle School on Long Island, where she has helped institute new programs such as team teaching ... Mark Kellerman has been promoted to vice president, general merchandise of Ben Franklin Stores, Inc., a chain of more than 2,000 stores. He and his wife Allison have a 21-year-old son, Aaron, who lives with them in Buffalo Grove, IL... Marc Crawford Leavitt, an attorney in Queens, NY, has written a three-part article, "What Everyone Should Know About Elderlaw, Wills, Estate Taxes and Long-Term Care Costs," to be published in The Oueens Tribune... 1971: Marcia (Milstein) Blodgett lives in Laurel Springs, NJ, where she teaches English and creative writing and writes poetry. Her book of poems, Eclipse, was recently published. She and husband, Wayne ('69), Ph.D., have two

daughters, Rachel Ann, 18, and Abigail Dana, 10. Wayne is director of Twin Oaks Guidance Center in NJ...Roy Deltchmen and his wife, Linda, have lived in Mt. Kisco, NY since 1984. Linda is pursuing a graduate degree in social work and they have two children, Ben and Richard. Roy is a managing director at NYNEX in Manhattan, with environmental management responsibilities... Everett Ehrlich was



confirmed by unanimous consent of the United States Senate as Undersecretary of Commerce for Economic Affairs on June 10, 1994. He directs the Census Bureau, the Bureau of Economic Analysis, and is the Commerce Department's chief economist. Everett represented former Secretary Ron Brown on matters of economic policy at the White House ... Robert Harrison's photos were featured at the East Meadow Public Library last March. He has exhibited in six solo shows on Long Island and won first place and honorable mentions for his pictures. A former U. S. Air Force press photographer. he is now a staff photographer for Animal People magazine...Bruce Katz (PhD) and Lynne Motenson (MD) are



still married, still in Maryland. Lynne is associate chief for clinical research in Pediatric, Adolescent and Maternal AIDS Branch of the National Institutes of Health. She was chair of the Public Health Service Task Force on the use of

Zidovudine to prevent perinatal HIV transmission: the task force issued its report in August 1994 in the Morbidity Mortality Weekly Report. Bruce is working on a novel and is president of the Temple Emanuel school board. Their daughter Jessica, 13, celebrated her bat mitzvah in May. She attends an honors program and is a budding novelist ... Arthur Malatzky was elected chair of the Tennessee Valley Industrial Committee. which serves customers of the TVA. He was former manager of energy purchasing and policy at the Olin Corporation in Stamford, CT...After graduating from Stony Brook, Pat Maravel taught junior high school math for seven years. She then took eight years off to rear her children, Jessica (now 17), and Alex (now 15). The next seven years were devoted to an AIDS service organization and an organization for homeless women and children. Pat is now back at Stony Brook as assistant to the chair in the Department of Physician Assistant Education at the Health Sciences Center, David B. Roshetar is the administrative director of emergency medical services at Staten Island University Hospital. He and his wife, Maureen, have four daughters and reside in South River, NI...Mary A. Stalb (MS '73) retired in October 1988 from her job as computer analyst for the IRS. She moved to Florida and was elected to the city council of Brooksville, FL in December 1994 for a four-year term...Howard Stassler was promoted to full professor in the Department of Restorative Dentistry at the University of Maryland Dental School. Wife Myra works at Jewish Family Services, and their sons, Mark, 15, and Daniel, 11, are doing great ... 1972: Jon Cohn and family are living in Ellicott City, MD. He is an assistant professor of infectious disease medicine at the University of Maryland. His son, Joshua, has graduated high school and daughter, Josina, celebrated her bat mitzvah. Jon's wife, Jeanie Raisler, recently received a doctorate in public health ... Alexander Mark Kaplan has been elected mayor of



the Village of Roslyn Estates, NY. He is past president of the Great Neck Lawyers Association and has practiced law in Great Neck since 1976 ... Elliot Zweig has a busy dermatology practice in West Hartford, CT. His wife, Doreen (Fundiller) ('74), is executive director of the Endowment Foundation of the Jewish Federation of Greater Hartford, Inc., having left the law firm of Robinson and Cole after 11 years. They have three sons: Ian, 14; Scott, 12; and Robert, 10...Marcia (Davidson) Horn (PhD) lives in Ferrum, VA with her husband, Geoffrey. She is an associate professor of English and teaches Shakespeare, composition, and British literature. Last summer she was a participant at the National Humanities Center session on cultural memory...1973: Tricia Troy Aiden has recently been appointed assistant attorney general in charge of recruitment and legal education. She will be responsible for recruiting new lawyers to the AG's staff and designing programs to enhance legal professionalism throughout New York State, Active in many Long Island civic and community organizations, she was honored as "Irishperson of the Year" by the Brehon Society of Suffolk County, NY a group of local attorneys of Irish descent ... Howard R. Gale is living in Ridgefield, CT and is director of Credit Operations for Thypin Steel Co., Inc. He has two children: David, 8; and Elizabeth, 5...Patricia Mallon resides in Chester, NI and has taken a disability leave from Dun & Bradstreet, where she was a vice president. For the past two years she has been battling metastatic breast cancer and reports that she is winning. We're all with you, Patricia-keep fighting!...Carl O'Campo has three children: Joseph, Carol and Katie. He works as a mechanical engineer and does sewage treatment for Suffolk County, designing piping, upgrading machinery and recommending replacement equipment...Annie Mullen Patrick (MA '83) is married and has two teenaged stepchildren. She works as a clinical supervisor for a community mental health clinic's chemical dependency treatment unit. Her husband, who worked as a special

completely disabled due to a workrelated injury ... Elayne S. Penn is director of her own music studio and is on the faculty of the Wilmington Music School in Delaware...Alan Polsky and Linda Cohen have celebrated their 22nd anniversary. He is an attorney in private practice and she is a special education teacher. They have two children, Lauren, 10, and Marissa, 18. Marissa has been named a Presidential Arts Scholar at George Washington University in Washington, D.C....Edward Rubinstein has joined the Orange County, CA office of Cotlein & Collins as counsel to the firm. He was formerly vice president and counsel to Loral Aerospace Corp...Robert J. Creighton (MA) is marketing director for the Security Guard Institute of New York, Inc. Adjunct professor at St. John's University, he serves on the Suffolk County Board of Directors of the Children and Family Mental Health Service and the Town of Smithtown Anti-Bias Task Force...Kenneth W. French Jr. (PhD) is in his 25th year of teaching mechanical engineering at John Brown University in Siloam Springs, AR, where he is a professor. Ken spends his time as a gentleman farmer on 20 acres in rural Arkansas with his wife, Ruth, and three sons, Jesse, Eric and Brian...Timothy Greene (MA) lives in Silver Spring, MD with wife JoAnn, and their son Dan who is 5. Timothy is a health economist for a Congressional commission ... 1974: Roger L. Berkow (MD) is professor of pediatrics at the University of Alabama School of Medicine. He was appointed assistant dean for clinical science education and vice chair of pediatrics for education. He continues to be director of pediatric student clerkship and is a member of the Division of Pediatric Hematology/Oncology. He lives in Birmingham, AL with his wife, Patty, and their sons Jonathan, 14, Geoffrey, 11...Mitchell Billing was recently appointed president and chief operating officer of American Ophthalmology, Inc. The company owns and operates ophthalmology practices and ambulatory surgical centers throughout the United States. He and his wife Lynne, have two daughters, Julie, 13, Melissa, 10 ... James Ho manages the \$1.3 billion John Hancock Sovereign Fund, which has gained 54 percent over the past five years and is ranked 129th of all 1,538 bond funds tracked by Lipper Analytical Service. He received his MBA from Columbia University in 1977... David M. Shabot (MS) recently completed his sixth year as a part-

education teacher, has become

ner with the executive search firm, Korn/Ferry International, heading up the health care practice in Boston...Steven M. Shoum (MD). became a diplomate of the American Board of Medical Management in February 1995. Steve is also a diplomate of the American Board of Pain Medicine and Anesthesiology. He is director of the Department of Anesthesiology at South Nassau Communities Hospital and lives in Massapequa, NY...Anne L. Hunter (MD), started work as a hospice physician at the Maine Center for Cancer Medicine in Portland in April 1995...Deanna (Lanza) Mammina (MALS) is in her 28th year as an elementary school teacher. She has two daughters, Renee, 22, an auditor for Chemical Bank, and Kimberly, 16, a high school student...1975: Harry Adler (MD) practices surgery at the Miamonides Medical Center in Brooklyn. His rock and roll band, F.O.G., plays clubs on the South Shore of Long Island. He lives in Lido Beach, NY with his wife, Lettie Gross, a pediatrician, and their children. Rebecca, 11, and David, 7... Helen Maria Fischer is a voice teacher involved in Creative Ministries as an actress and singer. She and her husband have three sons and live in Selden, NY. Helen earned a master's degree in theology from the Seminary of the Immaculate Conception in Huntington last December...Barbara (Bohcall) Friedman practices trademark and copyright law at the Washington, D.C. firm of Howrey & Simon. She, her husband, Andrew, and their two daughters (aged 8 and 6) reside in Potomac, MD ... Michael Isaac of Danbury, CT is a program manager in IBM's networking hardware division. He is married to Sarah (Scheiner) ('76), who is a special education teacher in Ridgefield, CT...Robert A. Miller (DDS) and his wife, Grace, are parents of Abigail, 9, Stephanie, 7, and Daniel, not quite 1. Robert graduated from the University of Pennsylvania School of Dental Medicine in 1980 and is currently in private practice in Forest Hills, NY ... Paul Pal is an endodontist in Rhinebeck, NY, where he lives with his sons, Nick, 11, and Chris, 10...Ira J. Rampil (MD) says "Hi!" to his mates from the class of 1975. He and his wife Linda live in the San Francisco suburbs with their son and daughter. Ira is an associate professor of anesthesia at the University of California...Susan Tobachnik lives in Belmont, CA with her husband, their golden retriever, and their daughter, Ruth. Ruth was born on March 2, 1995...Randy Williams and wife Karen will celebrate their

20th anniversary in 1996. They have two children, Jason, 16, and Danielle, 11. Randy develops software for environmental agencies, and Karen is vice president of relocation sales for a large real estate company in Raleigh, NC. They ask you to please give them a call if you pass through their area!... Susan L (Altschuler) Periman (MD) has been at UCLA in the Department of Neurology for about 20 years. She sees patients, teaches, and does a little clinical research. In her spare time she raises eight (!) children with her husband, who is a psychologist...1976: Jody Blanke (MS '77) is an associate professor of computer science and law. He was recently named coordinator of undergraduate programs at Mercer University in Atlanta, He lives in Roswell, GA with his wife, Charlene, daughter, Ilani, 11; son, Zachary, 8; and oneyear-old daughter, Melanie (born Aug. 19, 1994)...John Childs of Simsbury, CT was in the news some months ago, when he was taken hostage by members of Al-Faran, a little-known group fighting for Kashmir's independence from India. He was captured during a hiking trip in the Himalayas near the city of Srinagar, but managed to escape unharmed from his captors. John has always been adventuresome, "so nobody was surprised when he escaped," said his father. When not in captivity, John is an engineer in the research and development division of Ensign-Bickford Industries, Inc., where he has worked for over 15 years. He also enjoys canoeing, kayaking, hiking and cross-country skiing ... Carole Jay of Huntington, NY was among 13 Long Island artists featured in the exhibition, "A Heritage Continues: the Artists and Art Councils of Long Island," in the Omni Center at Mitchel Field in Uniondale last winter ... Frank P. Sarro is a labor attorney with Marrs, Flaherty & Sarro and lives in Ventura, CA ... Rachel (Shuster) Weintraub lives in Rockville, MD and is a sportswriter for USA Today. She and her husband, Alan, "joyfully welcomed Daniel Seth into our lives." He was born December 7, 1994...1977: Donald H. Burr was recently appointed acting head of the Vaccine Applications Branch at the Naval Medical Research Institute in Bethesda, MD. He helped coach his son Aaron's soccer team to become the county champions in the seven-and-under age group. The Burrs live in Beltsville, MD...Cheryl H. (Hamilton) Jawocski (MD) left the Air Force in 1992 after 10 years of active duty. She is an assistant professor of psychiatry at Uniformed Services University of the Health Sciences

ALUMNEWS

Life on the Edge

Stony Brook-trained physician directs disaster rescue teams

Like most Americans, Dario Gonzalez, M.D. '79 was riveted to his television on April 19, 1995, watching in horror as the nation's worst man-made disaster unfolded in Oklahoma City. For him, those images were a prelude to what would become the most grueling, heartrending week of his life. By the next afternoon Gonzalez, 56 others, four search dogs and four tons of equipment were disembarking at Oklahoma City's Tinker Air Force Base. New York's Urban Search and Rescue Team, Task Force One, had arrived.

Gonzalez had trained long and hard in preparation for urban disaster. He is medical director of Task Force One, one of twenty-seven Urban Search and Rescue Teams under the loose direction of the Federal Emergency Management Agency (FEMA). He was one of the driving forces behind the creation of the Task Force, and has been medical director since its inception four years ago. Gonzalez is also associate medical director and director of training for New York City's Emergency Medical Services. However, nothing could fully prepare him for the grim reality of the Oklahoma City bomb site.

"We worked the night shift, 7 p.m. to 7 a.m., twelve hours a day for six straight days," remarked Gonzalez. "It was incredibly difficult. Everybody on our team was thoroughly trained, and nine out of ten had been involved in rescue efforts after the World Trade Center bombing, but I don't care how tough you are—when you're in that kind of situation, you live in fear."

For Gonzalez, the road leading to that fateful day was a long, convoluted one. At 17, he enlisted in the Navy, where he served as a submarine mechanic. In those days, the hearts he



Dario Gonzalez '79 (left, at Oklahoma City bomb site) calls rescue work "emotional roulette."

tinkered with weren't inside human beings but diesel engines and nuclear reactors. After a six-year tour of duty, he attended Columbia College of Columbia University. Even then, medicine was not his chosen career he received an undergraduate degree in mathematics.

"I hadn't really thought about practicing medicine," Gonzalez said. "When someone suggested I would be good at it, I laughed. A mathematician in med school? Who would take me? Fortunately, Stony Brook was willing to admit qualified, nontraditional students—and I sure fit that bill!"

Gonzalez is responsible for the health and safety of every member of his team, even the search dogs. Task Force One's mission in every disaster is the same: to defy the clock by rescuing victims before they succumb, and before the building completely collapses. Each team member comes with a particular area of expertise. Some are members of the New York City Fire Department, trained in subterranean rescue, heavy rigging and engineering to shore up damaged structures (known as "cribbing"). Others are New York City Police Department experts at "high-angle extractions," spectacular aerial rescue missions from helicopters. Four are paramedics, used to the harsh realities of the street. All, however, rely on the medical director to make the toughest decisions.

The Oklahoma City bombing was the most challenging disaster Gonzalez had ever faced, and not only because of its size. The Task Force's initial function was, as always, the rescue of live victims. Despite their best efforts, by the fifth day it was all too clear that their mission had become body retrieval—a task that would have profound, disturbing effects on every member of the team.

"I was proud of my team," says Gonzalez. "They gave everything they had to give. Still, the long hours, the exhausting work, and the smell of death everywhere takes its toll.

"We were fortunate in one respect—we were five feet away from breaking into the day care center and we didn't know it. The next shift wasn't so lucky. When they broke through, the first thing they found was a teddy bear. Unfortunately, most of what they found wasn't so easily identifiable, and those sights are haunting them still."

Much later, Gonzalez was able to put some closure to the harrowing experience in Oklahoma City. He and a colleague were invited back as guests of the mayor and governor, and were treated to a grand parade. Buoyed by thousands of grateful well-wishers including one of the very few survivors of the tragedy—Gonzalez began his own healing process.

Despite its physical and emotional hardships, Dario Gonzalez has no intention of giving up his position with Task Force One. In fact, he hopes someday to establish an international disaster relief team with much the same ideals and mission. Already he is developing the nation's first course in urban search and rescue techniques for New York City's EMS.

Downtown Alums Meet President Kenny

Forty alumni gathered at Salomon Brothers in the World Trade Center recently to meet President Kenny and discuss Stony Brook's future. The reception was hosted by alumnus Timothy P. Beaulac, '83, a director in the Asset Backed Finance Group of Salomon Brothers, Inc., and his wife Virginia, '80, '81 who served as the 1994-95 Annual Fund Co-Chairs.

Engaged in discussion with the president are David Jasse '84 (left) and Jan Blau '71.

in Bethesda, MD. Cheryl is married and has two children, Lee Anne, 16; and Scott, 2...John T. Koehler retired as sectional head for installation of magnets for Project RHIC after 33 years at Brookhaven National Laboratory. He resides in North Babylon, NY...JIM Lee of Hingham, MA says, "Hi to our friends in Long Island, Colorado and Maine from Massachusetts." He reports that little Melanie has a new baby sister, Caroline Alexis...Mark Lehrman and his wife, Tricia, ('77) live in Dallas, TX with daughter Danielle, and son Ben. Mark is an associate professor at UT-Southwestern Medical Center... Robert Merry and wife, Peggy (Krziwdo) ('78), have two children and work for New York State government in Albany, NY ... Gary M. Pass (MD) is in practice with Central Jersey Hand Surgery. He is delighted to report that he won a car by shooting a hole-in-one at a hospital charity golf outing. His son Matthew is 10, and his identical twin daughters, Rachel and Rebecca, are 8...Ruth B. Alford (MA) has retired from teaching. She now does volunteer tutoring, gardening, and is active with the American Association of University Women in Evergreen, CO... 1978: Lee Boushie is working as a physical therapist for the Rehabilitation Institute of Chicago's Center for Spine and Sports therapy...David **Comando** is a kindergarten special education teacher at Rocky Point Schools. Off duty, he teaches SCUBA diving on Long Island's North Fork and has two daughters, Katie, 4, and Emily, 2...Coleen Drucker of Morristown, NJ has been with AT&T Network Wireless for two years. Her idea of a good vacation is a bike trip from Salt Lake City to Gunnison, CO...Marc Feldman (MD) lives in Margate, NJ and is a plastic surgeon in private practice in Atlantic City. He and his wife Sissy have three children, Matthew, 7, Jenna, 4, and Jay, 1. Marc spends a lot of his free time in playgrounds, parks, and museums...**Deborah C. Bage** has joined the American Cancer Society



as the Livingston County (NY) field representative. She previously was volunteer coordinator at Cornell Cooperative Extension, where she developed a volunteer recruitment and management system. She lives in Avon, NY and has a young son...Mitchell and Sara Goldman of Richmond, CA have a baby girl, Hanna, born April 25, 1995. Hanna joins her brother, Dylan, 4...Carol (Cott) Gross runs "Fly Without Fear" at LaGuardia Airport, a self-help program to alleviate aviaphobia. She writes and



lectures on phobias and superstitions. Her humor/lifestyle articles have appeared in *The New York Times* and *Newsday* and been syndicated. Carol's daughter, Terri, will attend Stony Brook's School of Nursing as a graduate student... **Loren Lewin (MS '80)** continues to work 25 hours per week for Bellcore and spends the rest of her time with her husband and sons,

aged 5 and 8, and with volunteer work. The Lewins live in NJ ... Paul H. Scheiber became a partner of the Philadelphia-based law firm of Blank, Rome, Comisky & McCauley, effective January 1, 1995. A resident of Elkins Park. PA, he is chair of Blank, Rome's Consumer Financial Services Group, representing banks, mortgage companies, credit unions and real estate professionals... Diane Stemnock is a research lab technician in charge of quality control of biotics. She owns a home and a llama in Mastic, NY... Susan Swidler is currently director at NYNEX Science and Technology. She lives in Stamford, CT with her husband, Sandford ('76) and their children, Pamela, 13, Alexandra, 9, and Craig, 4...Tina Dobsevage (MD) is practicing with the Montefiore Medical Group in the Bronx (Riverdale). She's happily married to Jonathan House (MD '77), and has a daughter, 10, and son, 7...Lawrence Wolpert (MS) lives in Fairview, NJ and is an independent computer consultant...1979: Paula McRae is a New York State licensed science teacher at a Manhattan high school. She has a master's degree in education from City College and is a volunteer respiratory therapy technician... Thomas A. Smyth graduated from Touro Law Center in December 1993. Admitted to the bars of NY and CT, he practices law in Babylon, NY ... Kenneth J. Steler was recently awarded membership in the American College of Physician Executives, the nation's only educational and professional organization for physicians in medical management. He is assistant professor of medicine at Louisiana State University at RA Conway Medical Center in Monroe, LA, where he lives with his wife, Cindy...Ray Ward (MA) was transferred from Dayton to Columbus OH by the Air Force in July ... Keith Weintraub is married, has two chil-



dren, and is working for Citibank in New York City ... Rich Weiss recently joined Parke-Davis Pharmaceuticals as director of managed care marketing. He and his wife Iris live in Morris Plains, NJ...Robert A. Michaels (PhD) has been president of RAM TRAC Corporation, a toxic substances and health risk consulting firm, since 1986. He serves the Academy of Board Certified Environmental Professionals as chair of its Certification Review Board and as acting chair of the Board of Trustees. Former toxicology consultant to the U.S. Congress and to the California Governor's Office, he is secretary of the National Fire Protection Association International Committee on Classification and Properties of Hazardous Chemicals. He serves on numerous other professional boards and panels and has been a life member of the New York Academy of Sciences since 1986....1980: George Inch works for Niagara Mohawk, Corp. as an engineer in support of the Nine Mile nuclear power plant. He's married, has two children, and lives in Liverpool, NY...Jessie Mosby lives in Atlanta, GA and is happily retired from New York State. He is looking forward to seeing a lot of his former classmates, friends and relatives during the Olympics in 1996...Leonard Moss completed his three-year cardiology fellowship at the University of New Jersey's Robert Wood Johnson University Hospital. He is now an attending physician at St. Peter's Medical Center in New Brunswick, NI, and in practice with two other cardiologists. His wife, Ilene (MD), has been elected a fellow of the American Academy of Pediatrics and is a practicing pediatrician. Daughter Rachel Amy was born February 2, 1995...Constance R. Pallas received her second patent for a high density electrical connector.

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ALUMNEWS

On the home front, her third son, Abraham Michael Levitt, was born March 23, 1995... Daniel Romano is law librarian and senior paralegal at Cahn, Wishod & Lamb L.L.P. in Melville, NY... Charles G. Thornton lives in Gaithersburg, MD with his wife, Nina, and their three children, Leah, 4, John, 2, and Annie, born December 11, 1994. Chuck works for Maryland Medical MetPath doing research in clinical diagnostics...Aytac Edwards (MSW) is a social worker at the Pilgrim Psychiatric Center and has a private psychotherapy practice. Aytac enjoys painting and was exhibited in 1989... Lillian F. Pliner (MD) practices academic medical oncology at University of Medicine and Dentistry NJ in Newark, where she is acting director of the Medical Oncology Division. She lives in Short Hills, NJ and has two daughters, aged 4 and 2..

IN MEMORIAM

Dr. Marc Dizengoli (Class of 1972) passed away in April 1995. He is survived by his wife, Isobel, and sons, Colin and Robert.

Drop By New Alum Office

The Alumni Association has planned, sponsored and underwritten the cost of the construction of Stony Brook's first complete alumni office. The office is on the first floor of Melville Library in space formerly occupied by a student art gallery. The spacious and attractive office was designed and furnished by the Alumni Association, spearheaded by President Tom Galgano.

Travel With US(B)

Join friends and former classmates on an adventure sponsored by the Alumni Association. Or try them all! You'll be accompanied by Stony Brook faculty knowledgeable about the area. Call the Office of Alumni Affairs, 516-632-6330, for more information.

FRANCE, October 1998: Fourteen days in historic Normandy, the romantic Loire Valley, and incomparable Paris. Visit Giverny, home of Claude Monet, the cathedral city of Rouen, and Honfleur, an old harbor of unsurpassable beauty where Champlain set sail for Quebec. See the 226-foot-long Bayeux Tapestry, and the famous D-Day landing beaches. Top this off with four days in Paris. What a trip!

EAST AFRICA. Date to be announced:

Charles Wurster, Stony Brook professor of environmental sciences for 30 years and an experienced Africa traveler, will guide you on your journey. In addition to visiting wildlife parks and reserves, you'll venture into private sanctuaries. Natural walks and night drives will give you a chance to see animals not often encountered. East Africa is the greatest wildlife show on Earth—a three-ring circus of mammals, birds, plants and other wildlife.

COSTA RICA. Date TBA: Dr. Wurster will be your guide in this location of astonishing diversity. For millions of years, it has been a biological land bridge between the Americas. In the same day, you can experience 12,000-foot mountains, cloud forests, lowland rain forests, mangrove swamps, palm-lined beaches, tropical forest and savannah. Don't miss the country of glorious butterflies.

TANZANIA, Date TBA: Explore the shadows of Mt. Kilimanjaro and the Serengeti plains of Tanzania with cultural anthropologist William Arens, chair of the Department of Anthropology. Learn how the people of the plains live alongside Africa's wildest and most famous habitat. Conservation will be a central theme of this tour, with visits to leading wildlife reserves such as Ngorongoro Crater, Lake Manyara and Serengeti National Parks. It may include an excursion to Olduvai Gorge, the famous site of early human fossils.

MADAGASCAR. Date TBA: Join worldrenowned primatologist Patricia Wright in the land of the lemurs. Visit tropical rain forests, spiny desert, and the second largest coral reef system in the world. Madagascar is the world's fourth largest island, with more endemic plants and animal species (existing nowhere else on Earth) than any other country. Ranomafana National Park is a main feature of the tour. Dr. Wright's discovery of the golden bamboo lemur and rediscovery of the greater bamboo lemur, previously thought to be extinct, prompted creation of the park. Dr. Wright is executive director of the Institute for the Conservation of Tropical Environments.

This trip is sponsored by Austin Travel; for more info call them at 516-632-7799:

CRUISE WITH STRING FEVER. September 5-10, 1996: Set sail for London aboard the Cunard's superliner Queen Elizabeth 2. You'll be treated to performances by swing band String Fever; audiences love their distinctive blend of pop, jazz and classical repertoire. Founded and led by Marin Alsop, who's been conductor of the Long Island Philharmonic, the group has collaborated with Billy Joel, Mel Torme, Sir Yehudi Menuhin and other top artists. The trip includes return on British Airways; extra options include low-cost land packages in London or Paris, and a return via the supersonic Concorde.

Compete in Today's Workplace

All alumni will receive a 10 percent discount on fees for the following scheduled noncredit programs:

- Hands-on computer training in both DOS and Windows environments
- Professional Licensing Series (real estate, insurance, and appraisal)
- CPE for Tax Professionals
- Seminar Series for ProfessionalsManagement Development
- Certificate • Contract Training Programs for
- Contract Haining Flograms for Business/Industry
 Comprehensive Career
- Development Programs
- OSHA Training
- Internet Training

For information and course schedules contact the Division of Career Development in the School of Professional Development and Continuing Studies.

516-632-7071. FAX 632-9046. Mail: Division of Career Development, SPD-SBS-N-243, University at Stony Brook, Stony Brook, New York 11794-4314

Association Update

by Thomas M. Galgano '71 President

This past year, the Alumni Association reached a new milestone, celebrating its 30th year of service to Stony Brook. We expanded and improved many of our programs, such as the Commencement Tent at graduation, and our Welcome Barbecue at new student move-in day. At both events, we provided a Dixieland band to create a festive air. At Homecoming, we had our largest turnout ever for the Distinguished Alumnus/Outstanding Professor luncheon and for our 5K scholarship run. We've obtained corporate sponsorship of our growing "Stony Break" program, where we provide refreshments to students during finals week. We also created new student awards, including a Legacy Award, a Commuter Student Award, a Returning Student Award and a Student Employee Award. We have expanded our outreach to students by creating events such as a Student Leaders Dinner.

As a result of the hard work of our Board of Directors, the Association was accorded the following New York State awards: the 1995 SUNY Alumni Confederation Excellence Awards for Alumni Events and Projects; the awards for undergraduate and recruitment programs, and for the Leadership Development Program. We also won the Judge's Citation for communications.

Deborah Dietzler, alumni affairs director, has left Stony Brook to accept a position at Columbia University. We wish her well.

Editor's note: Jovanna Little, interim director of alumni affairs, can be reached at 516-632-6330.



Honor Roll of Donors

The Stony Brook Foundation Board of Directors and the University community wish to express appreciation to everyone who provided financial support to the University at Stony Brook. Gifts from alumni, parents, faculty, staff, friends, businesses, corporations and foundations totaled \$3,979,522 in fiscal year *1994-95*.

The honor roll recognizes alumni and friends who made gifts through the Stony Brook Foundation from *July 1, 1994* to *June 30, 1995*. Donors of gifts received after June 30, 1995 will be recognized in our 1995-1996 Honor Roll of Donors.

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Annual gifts to Stony Brook support the University's current educational and cultural programs. Most contributions to the Annual Fund are unrestricted. These gifts are expendable within the year in which they are received and are used at the President's discretion to fund those programs that are most crucial.

Under the leadership of Alumni Annual Fund cochairs, Timothy P. Beaulac '83 and Virginia Palmer Beaulac '80, '81, the 1994-95 Annual Fund Campaign raised more than \$470,000 in gifts and pledges for Stony Brook through special events, Telefund and direct mail programs.

The Annual Fund Council volunteers worked to bring our fund-raising efforts to a personal level and succeeded in raising more than \$10,000 from their peers. Annual Fund Council members include: Timothy and Virginia Beaulac, Denise Logan-Heuser '77, Joseph Buscareno '66 and Jane Knapp '78.

Our Parents Fund, once again, raised money to expand educational opportunities and enhance campus life for our current undergraduates. Parents pledged more than \$127,000 to the campaign headed by Corliss and Ildefonso Delesus, parents of Tesia '96.

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An elected board of directors made up of business, professional and community leaders manages the funds received by the Foundation. These funds support every aspect of university endeavor: research, education, public service, faculty and student development, economic and cultural development, and health care.

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Bridges of New York City, 2,027; over water, 72; used by railroads, 329; over land, 1,011; in parks, serving subways, private pedestrian, 615. The Bridges of Long Island, 700. The Bridges of New Jersey, 2. The Bridges of Maryland, 1; The Bridges of Pennsylvania, 60: Berks County, 5: Bucks County, 11: Chester County, 15: Delaware County, 30. The Bridges of Madison County, a silly book.

The Bridge to Nowhere

A good idea on paper: connect the Student Union and Melville Library with an elevated footbridge. Halfway through construction the project was

aborted. Dubbed "The Bridge to Nowhere," for years it stood unfinished, a testament to Stony Brook iconoclasm. (It even inspired a student-run counseling center, "The Bridge to Somewhere.") A rerouted Bridge was completed in 1977. Thenpresident John Toll dedicated the structure, receiving a pie in the face for his trouble.

Spraying the Bridge

Stony Brook's engineering faculty recently "thermal sprayed" the underside of the Triborough Bridge to protect it from corrosion, using a

technology they've been developing for the past 20 years. To thermal spray a surface, one introduces a material (polymer, ceramic, plastic, metallic or composite) into a flame, or melts it via electric arc. The resulting molten particles are sprayed with a kind of blowtorch apparatus. They hit whatever you're spraying and solidify, producing a coating more effective against corrosion than standard paint.

Best Attempt at **Bridge Preservation** Bv a Non-Human

A robotic device, designed and built by Stony Brook researchers, cleaned and thermal sprayed an overpass at Exit 73 of the Long Island Expressway.

Do Not Try This at Home

Browsing the Bridges of Internet: How do bridges stay up? David finds out that a properly designed bridge made from dry pasta can actually support his weight.

Bridge Too Far

42nd Generali European Bridge Championship Vilamoura Portugal, June 17-July 1.

Bridge Over **Troubled Water**

From Queens to Rikers Island, over Bowery Bay, completed in 1966.

London Bridge Is Falling Down

No more. Now stands ignominiously in Havasu City, Arizona.

Bridgeworks I

A small publishing company owned and operated by Warren Phillips, lately President and CEO of Dow Jones. In Bridgehampton, New York.

Bridgeworks II

Pricey architecture for the mouth. Consult SUNY Benefits: EMPIRE PLAN Participating Provider Directory, Long Island Region.

Famous Resonant Bridge I

Of a Stradivari violin

Famous Resonant Bridge II Barbra Streisand's

Bridges on Fire

The boy stood on a burning one, but called it a deck

Rude Bridge That arched the flood

Premature Bridge Don't cross till you come to it, Is a proverb old, and of excellent wit.

Horatio's Bridge

That bridges the Gap

Byron's Bridge

I stood in Venice on the Bridge of Sighs, A palace and a prison on each hand.

Belloc's Great Election Bridge

The accursed power which stands on Privilege (And goes with Women, and Champagne, and Bridge) Broke-and Democracy resumed her reign: (Which goes with Bridge, and Women and Champagne.)

Now who will stand on either hand And keep the bridge with him?

The Merchant's Bridge

Best Bridges Related to Fruit Fly

Calvin Blackman Bridges (1889-1938) American geneticist, co-authored The Mechanism of Mendelian Heredity.

Bridge Related to Ammann College

This Stony Brook residence hall was named for bridge builder Othmar Amman, who built the George Washington and the Verrazano Bridges, among others.

Other Celebrity Bridges

On the River Kwai; of San Luis Rey; on a Steinway sound-board; of a pair of Granny Glasses; Mr. and Mrs. ; between the verses of a song; in your furnace or boiler; of the Titanic; a rest for the cue to better shoot billiards; poet, Robert Seymour; painter, Charles; prefix to the name of an industrial city in Southern Connecticut: labor leader, Harry; a bunch of actors named Lloyd, Beau, Jeff and Harold.

The End of the Bridge

The last page in The Brook.

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