

# Stony Brook PEOPLE

## Biotech Center: a development for the future

Long Island may become the "Silicone Valley" of the biotechnology/genetic engineering field.

Like Stanford and Cal Tech when they teamed up with industries to make giant progress in the electronics field, Stony Brook is developing partnerships in the burgeoning genetics industry. Companies are beginning to use recombinant DNA techniques - gene cloning - for fast, large-scale and inexpensive production of pure hormones, antibodies and other biological substances.

Such companies need to work closely with scientists who are refining the recombinant DNA techniques. Some of the world's best research resources and talent in genetics are within a 30-mile radius of each other at Stony Brook and Cold Spring Harbor, Brookhaven National and Plum Island laboratories. And these scientists need the state-of-the-art equipment, funding and practical applications the industries can offer.

This natural magnetism is fueled by Wall Street's enthusiasm about new genetics firms. A biotechnological center has been proposed by Stony Brook to stimulate a new kind of university-related high technology industrial development on Long Island.

**"The biotechnology industry is on the threshold of burgeoning development that could equal that in the electronics industry."**

—LIAC Acting President Robert Schiffer

The Center would be established in St. James. A building would be constructed for tenants who could work in close collaboration with the University and laboratories.

The Long Island Action Committee (LIAC) has endorsed the project, with the Committee's Acting President Robert Schiffer calling it "an ideal new industry for Long Island."

**A first for New York** University officials said the Biotech Center would be the first in New York State and one of the first in the country. The initial building would be erected by private developers on property belonging to the Gyrodyne Corporation. It would be designed to foster or incubate new companies in the

biotechnology-based industry. This incubator process was successfully used when developing new electronics industries.

The project would cost about \$2 million and would be completed in 1983. Financing arrangements are anticipated through private investment supported by New York State Industrial Development Authority Revenue Bonds and/or Job Development Agency financing.

President Marburger, in a memo

to the Long Island Action Committee Board of Directors announcing the project in mid-May, wrote: "SUNY at Stony Brook has been encouraging private developers to develop (Gyrodyne's) property adjacent to the Stony Brook campus as a traditional high technology industrial park. One of the first steps in this development is to be a technology center designed specifically to encourage companies using biotechnology.

"A tenant has already been identified and additional prospects are being explored. Such a development would achieve a match between industry and world-class research strength currently unparalleled on Long Island."

LIAC Acting Pres. Schiffer noted that Stony Brook, Cold Spring Harbor and Brookhaven each have an annual research budget of \$10 million or more. He said, (continued on page 3)

## Mel Morris: Remembering rocky roads behind the Alumni Association

Husbandry is a word that comes to the mind of Dr. Melvyn Morris '62 as he recalls his decade of leadership in the Stony Brook Alumni Association.

The word, with its connotations of the careful, nurtured growth of a fledgling, seems an apt description of Mel's stewardship as he winds up a six-year term as the Association's third president. An Association board member since 1973, Mel became vice president in 1975, then president in 1976.

Looking at those early years, Mel finds it "remarkable that people like Marvin Rosenberg '62, Len Spivak '64 and Joe Van Denberg '69 founded the Alumni Association when Stony Brook was so new, and kept it going."

Marvin Rosenberg, an attorney who is a partner in the Cambridge Research and Development Group, a Westport, CT new product development venture capital firm, was the Association's first president. Leonard A. Spivak, a partner in the Wall Street law firm of Cahill Gordon & Reindel, was the Association's first vice president and this spring succeeded Mel Morris as president. Joseph Van Denberg, a social studies and mathematics teacher at North Junior High School in Brentwood, followed Marvin Rosenberg as president.

Keeping the Association going - and thriving - became Mel's special province during the unsettled seventies, and he succeeded with an exquisite sense of husbandry.

"Mel has been a superb Alumni Association president," said James B. Black, host of a dinner in Mel's honor this spring. "My admiration for what he has been able to do is enormous," continued the vice president for university affairs. "He brought the Alumni Association together and did what needed to be done during some very difficult times."



Even with the chair that was presented to Mel Morris '62, he is not likely to sit still for long. The former Alumni Association president was honored recently at a dinner attended by 100 colleagues.

Sometimes, Mel recalls, "it wasn't at all clear that either the University or the alumni were ready for an alumni association. There were a handful of us on the Board and one or two people in the Administration who stuck with it, who weren't about to let the Association die even when our staff consisted of an administrator working one night a week, who was already doing six daytime jobs!"

In retrospect, Mel views those early years as an invaluable testing time for the Association.

"We tried everything; we had good ideas," he recalls. "There were Annual Fund drives back in the early seventies. We even had the national executive director of CASE (the Council for Advancement and Support of Higher Education) conduct a seminar on annual giving for the Board. By the mid-seventies, we were doing the "Brandywine Conversations" series at places like Windows on the World with speakers, such as professors Elov Carlson and Peter Winkler.

"We learned a lot. We were pioneers, at least in the State University system, in providing services for alumni. We developed campus benefits, worldwide travel programs, insurance plans and other services that were par with campuses where they had a half-dozen or more alumni office staff members. We just never had the staff time or resources to sustain our program development."

That changed dramatically two years ago with the arrival of University President John H. Marburger and Vice President Black.

"They brought an instinctive understanding born of generations of campus experience at private institutions (Dr. Marburger came from the University of Southern California, Black from the California Institute of Technology) that a sound alumni program is indispensable."

"Now," Mel continues, "with Denise Coleman on board as our first executive director, we've been able to accomplish things that are just incredible. It's like having all the bits and pieces and ideas coming together full blown all at once: the best new program in the state, this year's Alumni College Day and the best publication in *Stony Brook People*. It's like we've given birth this year - to a 25 year-old baby with Denise Coleman, Jim Black and Jack Marburger as midwives!"

photo by HSC Photography Services

# Geneticists explore chromosome universe

## Editor's note:

The new frontier of genetics is under exploration. Scientists from academic and industrial institutions are working together to conquer the unknown. Some of the vehicles to facilitate understanding of genetic processes and their implications are examined by Stony Brook People in the articles on pages 1, 2 and 3.

The recombinant DNA researchers who attended the Stony Brook Symposium on Molecular Biology, are much like astronomers. But these geneticists study the universe from the opposite end of the telescope.

The two-day Symposium in late May attracted more than 250 geneticists from a dozen states and several foreign countries to the campus for state-of-the-art discussions on recombinant DNA and genetic engineering.

Whereas astronomers peer outward at billions of stars, geneticists probe inward. They peer at slides and diagrams of a fraction of the millions of nucleotides which constitute the genetic messages contained in any single DNA molecule of an animal cell.

Such work would have seemed light years away less than three decades ago, before Nobel Laureate James Watson and Francis Crick at Cambridge University discovered the double-helical structure of DNA. The Stony Brook Symposium title, "Experimental Manipulation of Gene Expression," indicated how far genetic research had come since that time.

There wasn't a single mention at the Symposium of a double helix or the chromosomes that make up the double helix, not even by its discoverer Dr. Watson, director of Cold Spring Harbor Laboratory, who was the opening

speaker. The speakers and everyone attending had gone far beyond that, into the tiny segments of their "chromosome universe." (See the "Unraveling genetic terminology," page 3).

Symposium participants heard about the latest findings in every major area of recombinant DNA research including: potential anti-cancer/anti-viral substances such as interferon; recombinant production of insulin and growth hormones; and even the possibility of combining major food crops like wheat and rice into single high quality protein "super plants."

Much of the material presented had not yet been reported in scholarly publications. Most of the talks at the Symposium will be published next year by Academic Press in a volume on "Experimental Manipulation of Gene Expression."

The Symposium was sponsored by Stony Brook's Department of Biochemistry. The paper presented by the Symposium's host, Dr. Masayori Inouye, "Multi-purpose Expression Cloning Vehicles in *E. coli*," seemed a perfect illustration of the common interests of the academic and industrial scientists who attended.

While cloning DNA from *Escherichia coli* - a common intestinal bacterium - the biochemistry chairperson identified a DNA base pair sequence of nucleotides. This sequence defines a promoter site on the DNA which regulates production of the most abundant protein in *Escherichia coli*. He then replaced *Escherichia coli* genes with growth hormone and insulin genes. The result: a sophisticated new basic research vehicle for better understanding of DNA transcription and the enzymes that regulate it, and highly promising applied research data.

The latter is now being used by the Eli Lilly and Company Research Laboratories, one of the first companies investigating recombinant DNA production of growth hormones and insulin. Production of insulin is expected before the end of the year.

**Academic/industrial pursuits**  
Dr. Paul Burnett, director of molecular and cell biology research for Eli Lilly, offered academic geneticists insight into the reactions of DNA under conditions completely foreign to campus laboratories. Dr. Inouye's *Escherichia coli* research, for example, may never involve batches greater than a few liters in volume. Dr. Burnett spoke of applying Dr. Inouye's work to growth hormone and insulin production in 10,000-liter test batches.

Another industrial scientist, Dr. David Goeddel, is senior scientist for Genentech, Inc., the San

Francisco-based firm that has quickly become a leader in initiating production of huge quantities of pure, stable and relatively inexpensive enzymes for food, chemical and pharmaceutical industries. His presentation was not, however, on commercial production, but on the success that he and his Genentech colleagues and scientists from another major recombinant DNA firm, the Biogen Corporation in Switzerland, had isolating at least 14 distinct genes of the anti-viral protein substance interferon. Considered a possible aid in cancer treatment and a definite treatment for viruses such as the common cold rhino

expression in yeast and other eukaryotic systems; Dr. Dean Hamer, senior staff fellow at the National Institute for Allergy and Infectious Diseases, on cloning of genes in animal virus vectors; and Dr. John Kemp, professor of plant pathology at the University of Wisconsin, on genetic engineering of plants by novel approaches.

## Super protein foods

Dr. Kemp's talk, on the final morning of the Symposium, raised the possibility of developing plants with the same high quality protein content as meat or eggs. "It takes 30 grams of wheat to provide the same essential amino acids as 12 grams of eggs or meat," he said,



Symposium on Molecular Biology host Masayori Inouye (left) discusses current research findings with SB Microbiology Chairperson Arnold Levine.

viruses, interferon was virtually unknown several years ago.

"That was an absolutely beautiful presentation," said Stony Brook's microbiology chairperson Dr. Arnold Levine. "It was a tour de force that shows how companies like Genentech can put together what few academic labs could do."

Stony Brook Professor Thomas Shenk presented his work with adenovirus organisms, which infect a wide variety of hosts including humans. In adults, adenovirus is generally harmless, but in children it causes colds, and in rats it becomes a tumor virus. Using recombinant DNA procedures, Prof. Shenk and his colleagues constructed adenovirus variants which lacked tiny segments of nucleotide base-pairs at specific locations within the viral DNA. Several of these deletions prevented expression of the viral genes under study, identifying sequences within the viral DNA which serve regulating functions. Since adenovirus DNA is expressed using the same as human DNA, the work has implications for defining how normal human cellular genes regulate protein production and, potentially, how a lack of such regulation may result in cancerous cell growth.

Other celebrated speakers included: Dr. Martin Rosenberg, senior staff fellow of the National Cancer Institute, speaking on mechanisms of transcription initiation and termination; Dr. Benjamin Hall, professor of genetics and biochemistry at the University of Washington, on the control and regulation of gene

"and all the classical (non recombinant DNA) plant breeding in the world won't get us out of this protein quality box." But, he implied, genetic recombination might some day result, for example, in a super bean or bean/wheat combination.

This would exemplify experimental manipulation of gene expression at the highest level - the objective of the Symposium and all its participants. About 200 future scientists who may achieve that objective were perhaps the most intent observers of the Symposium. Graduate students like Pam Green, a third-year graduate student from Miami, Meiying Chou, a second-year student from Taiwan, and Elli Wurtzel '76, now working on her doctoral dissertation, listened to piped-in talks accompanied by duplicate slides in an adjacent overflow lecture hall.

The Symposium concluded the first year of the Biochemistry Department's new collaborative program in recombinant DNA, genetic engineering and molecular biology. The program explores the common interests of universities and industries, and trains some industrial scientists in new developments in biotechnology.

Plans for another Symposium next year are underway. And this fall the Biochemistry Department will be offering genetic engineering study for Stony Brook undergraduates for the first time in a new course taught by Profs. Monica Riley and Kenneth Marcu '72.

## Cover photo:

This illustration, compliments of the Lilly Research Laboratories, is a transmission electron micrograph of a thin section of the *Escherichia coli* bacteria producing insulin protein (65,000X).

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Editor: Margaret Shepherd  
Writers: David Woods, Al Oickle,  
Sue Risoli,

Alumni Director: Denise Coleman

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## Biotechnical Center of the future

(continued from page 1)

"These institutions can be coupled with the new Biotech Center, marking the beginning of a powerful Long Island entry into the field of genetic engineering. It's an ideal industry for Long Island, and its approach of housing a common core area providing central service facilities for all tenants is excellent resource management.

The Action Committee has suggested that the Biotech Center be designated as one of the proposed official New York State Technology Centers. These Centers will be provided with financial assistance to encourage the growth of new industry in the State.

President Marburger said Stony Brook anticipates that, through its participation in the Biotech Center, the Center's tenants will maintain contact with major bioscience research on Long Island as well as throughout the United States.

"The current high level of biological research at Stony Brook has inspired frequent seminars and visiting lecturers, special library collections, exceptionally well equipped laboratories and a host of graduate students, postdoctoral fellows and visiting research scholars," President Marburger said. "Scientists are available to act as consultants, informal advisers and investigators on work performed through SUNY under contract with tenants of the Biotech Center.

"Approximately one third of SUNY at Stony Brook's \$35

million sponsored research budget is attributable to research in the biological sciences, including work in genetics, microbiology, biochemistry and pharmacology."

Dr. Masayori Inouye, who chairs the Biochemistry Department, which recently sponsored a recombinant DNA symposium, cited relationships already developed by the department with a dozen industrial firms interested in biotechnology developments. Those firms took part in the DNA symposium, bringing to it, Dr. Inouye noted, "totally different dimensions which we never appreciated, dimensions which we would be able to explore regularly with the Biotech Center in place near the campus."

And, Dr. Thomas Shenk from microbiology said "it would be lovely to have more people in the immediate vicinity interested in the same kind of technology, doing work that could, for example, result in improved vaccines." He is this year's Eli Lilly and Company microbiology/immunology award winner, one of the Stony Brook scientists whose genetic research particularly interests biotechnology companies.

Will Stony Brook become a center for biotechnological industry? It would be a logical development. As Nobel Laureate James Watson, discoverer of DNA's double helix structure and director of Cold Spring Harbor Laboratory, said in his opening remarks at the DNA symposium: "Long Island certainly needs biotechnological industry."



Photo by HSC Photography Services

## Tribute to Seymour Cohen

When the Department of Pharmacological Sciences decided to do something special for Distinguished Professor Seymour Cohen's 65th birthday, they didn't just throw him a party. To honor the scientific contributions of Dr. Cohen, an all-day colloquium on "Viruses, Nucleic Acids, and Polyamines" was held May 3 at Stony Brook's Health Sciences Center.

The man who inspired the colloquium began the biochemical study of virus infections in 1945. In 1957, he made a discovery that has become the basis for chemotherapy and treatment of viral diseases. Dr. Cohen found

that when a virus invades a cell, it induces the formation of new enzymes that "take over" a cell's normal functions.

"We have normal functions of the host cell in competition with functions of the virus. The viral functions win out," Dr. Cohen explained.

This discovery made it possible to develop drugs to inhibit only the specific enzymes induced by a virus within a cell, without damaging other healthy cells. Such drugs include ara-A, an anti-viral agent, and Acyclovir, a drug developed to treat herpes virus that was cleared by the Food and Drug Administration within several weeks of his birthday colloquium.

Dr. Cohen is now working with plant viruses. "I started working on a plant virus 40 years ago," he said, "so I feel as comfortable with plant viruses as I do with animal viruses." He is studying viral cations—positively charged organic ions, or particles—and the compounds that make these particular cations. "Precursors of these cations are diverted normally to control processes like plant flowering, ripening of fruit, and plant aging," he stated. "The biochemistry of these events is giving us a possible approach to the control of the effects of autumn and spring in agriculture."

Dr. Cohen has also become interested in the scientific study of human aging. "It's something that should be addressed in medical schools. There's a series of self-portraits of Rembrandt, from age 23 to 63. That sequence ought to be hung in the lobby of every medical school."

Dr. Cohen traveled to Finland in June to receive an honorary Ph.D. from the University of Kuopio, and will spend the 1982-83 academic year writing and conducting research at the National Humanities Center in North Carolina.

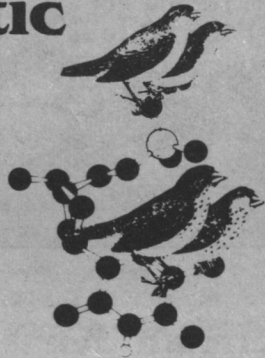
Dr. Cohen spoke with quiet conviction as he expressed his hope for the future: "We think that, with the aid of modern advances of science and technology, it is possible to extend the principle of specific anti-viral agents to the cure of all types of infectious disease."

## Unraveling genetic terminology

Genetics research has progressed so rapidly that the terminology has become precise and technical. Here - with thanks to Stony Brook biologists like Profs. Kenneth Marcu, Arnold Levine, Thomas Shenk and Elov Carlson for their patient explanations and suggestions about references - is a primer on terms taken for granted in discussions like those about the proposed Stony Brook Biotech Center or at the recent Stony Brook Symposium on Molecular Biology.

**Nucleic Acids:** The starting point in genetics. They are one of four classes of large molecules of great importance in all organisms. (Others: proteins, carbohydrates and lipids.)

**DNA (deoxyribonucleic acid):** The nucleic acid which is the genetic material. Think of the DNA molecule as a striped barber pole: two extraordinarily long, thin, intertwining threads. This is the famous *Double helix* structure - double for the two threads and helix for its winding shape. DNA determines all cell growth through its four chemical components, together called *Nucleotides*. Millions of these components are contained in a single DNA molecule. Individually, the four nucleotides are complex carbon/nitrogen rings known as *Bases* and designated A, G, T or C, the first letters of their chemical names. Bases are aligned in *Base pairs*, one across from the other, on the two DNA strands. A, G, T and C are the geneticist's alphabet. The order in which A, G, T and C nucleotides are assembled dictates, or *encodes*, ways in which hundreds



of amino acids (the sub-units which compose proteins) are organized into the protein chains that constitute cellular growth in any organism. The growth process begins at a site on the DNA strands known as a *Promoter* site.

**RNA (ribonucleic acid),** another nucleic acid similar to DNA, must become involved before any cellular growth can proceed. Specifically, *Messenger RNA* is needed and is found in long molecules with an appearance similar to DNA. In fact, messenger RNA is synthesized from DNA in a process called *Transcription*. Messenger RNA carries exact copies of the nucleotide base pair sequences in DNA. Messenger RNA moves from a cell's nucleus into its cytoplasm where, in a *Translation* process, it produces specific proteins from amino acid subunits. Complex catalysts - enzymes - are essential to this flow of information from DNA to RNA to protein. The flow of information is what constitutes *Gene expression*.

**Genes** are simply segments of a DNA molecule which often contain an average of about 1,000 nucleotide base pairs.

**Chromosomes,** essentially, are intricate, linear arrays of DNA, RNA and protein. Chromosomes are found in pairs in the nucleus of a cell.

Keep in mind that the dimensions of cells are not on the infinitesimal scales of atomic physics. Cells are made up of trillions of atoms bonded together, make up a cell. An average human cell is perhaps 1/1500 of an inch in diameter, easily seen under a regular light microscope. But, the DNA molecules in the chromosomes of a cell's nucleus can be seen only under an electron microscope. Yet the tightly coiled (helixed) DNA in a single chromosome would - unraveled - be a thousand times the whole cell's length.

**Recombinant DNA:** A set of DNA base pairs (one or more genes) which have been inserted, or *Cloned*, into a new *Vector*, a substance different from that of its original cell, usually a bacteria or bacterial virus, and grown there. The "surgery" in this gene cloning involves *Restriction enzymes* which cleave (break) DNA at specific sites.

Finally, when the names of enzymes or other chemical substances in genetics seem overwhelming, remember that they usually have basic organic sources. Take *phytohemagglutinin*, used to stimulate cell division. It's the purified active ingredient in red kidney bean juice!

## Math Wiz

Sergey Troyanovsky was honored by the Mathematical Association of America's Metropolitan New York Section as its highest scorer in the Association's annual, nationwide Putnam Math Competition. A sophomore computer science major, Troyanovsky was the top metropolitan scorer on the math examination among regional competitors from New York City, Westchester, and Long Island. His success in the competition was termed a "notable accomplishment" by Prof. John Thorpe, Department of Mathematics.

# "THE FUTURE WILL BE WHAT WE CREATE"

Lester G. Paldy's eyes swept across the dozens of publications on the racks in front of him and stopped as he pointed at two of them: *Soviet Military Power*, a United States Department of Defense publication, and *News and Views from the U.S.S.R.*, a Soviet government publication.

The racks line a wall in a new resource center established last winter by Lester Paldy '62, dean of Stony Brook's Center for Continuing Education, in the Old Chemistry Building's former gallery.

"I like to think," he said, nodding at the magazines, "that this is one of the few places in the world where these publications are displayed side by side."

More than that, the journals are available for anyone to read. And like the second major part of the resource center, the speakers program, they are there to stimulate thinking. They represent all shades of opinion.

This is the Arms Control, Disarmament and Peace Studies Resource Center, a name that defies abbreviation but a new Stony Brook facility that is popular and valuable.

Its founding certainly was timely. President Reagan and the Soviet Union's Leonid Brezhnev regularly exchange challenges on arms reductions. On June 12 an estimated 700,000 people gathered in New York City on behalf of disarmament, the largest demonstration in the city's history.

Ten speakers of the Resource Center this spring and early summer, attracted audiences from 40 to 300, all evoking lively discussions.

The largest audience came to hear Nobel Laureate physicist Hans Bethe, World War II head of the Los Alamos theoretical group, declare that U.S. "strategic nuclear forces are not inferior to those of the Soviet Union."

The liveliest, perhaps, was attracted by authorities representing the U.S. and Soviet governments. Vladimir Shustov, deputy permanent representative of the U.S.S.R. to the United Nations, and Franklin Miller, from the Office of Strategic Forces Policy in the U.S. Department of Defense, both won praise for their calm, informed and articulate explanations to audiences that, if not hostile, seemed generally in disagreement with both governments' positions on arms control.

## Strategic Development of Arms Control Program

For Lester Paldy, the circumstances that led to this new facility at Stony Brook began when he graduated from high school in 1952. The U.S. was involved in the Korean War and, facing Selective Service, he enlisted in the Marine Corps as an 18-year-old private and

emerged an infantry captain. He earned financial aid through Stony Brook from the federal G.I. Bill, from the New York State Regents' War Service Scholarship, and as an undergraduate physics laboratory assistant.

While an undergraduate he recalled babysitting children of the late Prof. B. James Raz. "I was fortunate to have great teachers who were willing to share their knowledge with me," he said. He also had access to the Raz's extensive library of peace research literature.

In 1958, barely a decade after the U.S. had dropped the first atom bombs to end World War II, proliferation of nuclear weapons had already begun. The proposed test ban treaty was an international issue. Linus Pauling, the 1954 Nobel chemist from California Institute of Technology, visited Long Island to speak out against these new, powerful weapons.

It was easy for a young man who had served in Korea to turn his interests, both academic and personal, to the subject.

After Lester Paldy earned his bachelor's degree, he and wife, Judith Gordon '62, went off for the summer. It was the first of seven summers that he worked at the Nuclear Physics Division of the U.S. Naval Research Laboratory in Washington, D.C. He received a master's degree from Hofstra and has taught at Stony Brook since 1967.

Lester Paldy's involvement in arms control courses and the Resource Center has become a major part of his activity during the past two years. During the 1981 spring semester, he

conducted a one-credit FLC seminar on arms control. Dean Paldy also taught an undergraduate course, sponsored by the Department of Technology and Society, called "Technology, Peace and War in the Nuclear Age."

At the first Alumni Association College Day last October, he lectured on the topic, "The Control of Nuclear Arms: Is It Too Late?"

Two other faculty members teach related undergraduate courses. Prof. Kurt Lang teaches a course in the sociology of military institutions; and Prof. Peter Manchester of religious studies will introduce a three-credit course covering moral and ethical aspects of war.

Dean Paldy admires Cornell University's Peace Studies Program, begun in 1970. Having such a program at Stony Brook, Dean Paldy said, is his ultimate goal. Preliminary study of linking related courses as part of the FLC program will begin this fall.

More certain for the future is a continuation of the speakers program this fall, expansion of the Resource Center's publications through gifts and acquisitions and, with the success of recently begun grant-writing efforts, funds to publish student papers.

Several of his students completed annotated bibliographies that will be published as part of the Center's output. Christopher Kent '82 compiled a bibliography, "Chemical and Biological Warfare," and Gary P. Halada '84 and Clifford R. Hong '83 turned out "Space Warfare." Ellen Sekerta '82 was the author of a paper, "Religion and War."

Dean Paldy said another goal is to secure the program's

continuance through additional funding. The Resource Center has the assistance of faculty, community members and students through an informal Advisory Committee.

Dean Paldy spends one day each week as a visitor at Brookhaven National Laboratory studying problems associated with the proliferation of nuclear weapons and the export of nuclear technology.

## Discusses nuclear war issue

Dean Paldy assessed the spring activity as attracting "exceptionally positive response...Our goal," he said, "is to get more people to understand the issues." To do that, opinions from people in a wide range of positions must be made available, he explained.

Having spent three decades carefully studying these issues, Dean Paldy believes the peoples of the world are prepared to participate in decisions once left only to national leaders.

"I'm more optimistic than I used to be that the world is ready for this," he said. "During World War I, about six times as many military personnel were killed as civilians. During World War II, twice as many civilians as military were killed. We tend to focus on the atom bomb strikes at Hiroshima and Nagasaki, and to forget the terrible (conventional) firebombings of Tokyo and Dresden. More than 50 million people died in WW II. Does it make any difference which type of warfare is more horrible?" he shrugged, leaving the answer implicit.

Facing the racks in the Resource Center, Lester Paldy let his gaze run down the line of publications: *Time Bomb*, *SALT II Agreement*, *The Bulletin of Atomic Scientists*, *Bankrupting America*, *World Press Review*...And his favorite book, *World Peace Through World Law*, by Grenville Clark and Louis B. Sohn.

This 1960 volume proposes the gradual disarmament of nation-states leaving them with military forces sufficient only for internal security. An armed international peace-keeping force would be created that would have access to a small number of nuclear weapons controlled by a companion civilian agency. "It is unlikely," Dean Paldy said, "that nuclear weapons can ever be completely eliminated. The Clark-Sohn plan could be achieved," he said, "if the United States and the U.S.S.R. would use their political and economic power to bring all nations into agreement."

Summing up why this project and the Resource Center is so important to him, Dean Paldy said: "The future will be what we create."

## Physicians say nuclear war aftermath dismal

Many physicians are concerned about the possibility of nuclear war - not because they fear death, but because they fear survival.

Physicians for Social Responsibility is an organization dedicated to educating the public about the medical impossibility of surviving nuclear warfare. It is one of the leading groups developing national awareness of nuclear dangers.

One of Stony Brook's newest faculty members, Dr. Richard I. Feinbloom, is a founder of Physicians for Social Responsibility, serving as its national chairperson from 1970 to 1978.

"The organization has been growing rapidly as more and more physicians realize that they simply could not provide any kind

of effective treatment after a nuclear attack," Dr. Feinbloom said.

Three years ago, he recalled, a meeting of the entire Physicians for Social Responsibility group could be held in his small office at the Harvard University Medical School, where he was a faculty member for 14 years. Today, the membership is 14,000. About a dozen Stony Brook medical school faculty are now members of a recently formed Suffolk County chapter. A special Grand Rounds was held in the spring to feature the Physicians' film "The Last Epidemic." It attracted more than 300 persons who crowded into the lecture hall room in the Health Sciences Center.

Dr. Feinbloom is an associate professor of family medicine in the School of Medicine and director of the Hospital's Family Practice Center.

# Undergraduates receiving research awards?

As competitions go, there was none of the excitement of Stony Brook's men's basketball team taking on archrival New York Tech.

The scene was the Lecture Center and the places of combat were Lecture Halls 101 and 103. There were no cheerleaders, no scoreboards and no physical contact.

But the competitors in this unusual encounter on the Stony Brook campus were as intent on achievement as any ball player in a deadlock between pitcher and batter.

The event was the first Undergraduate Research Presentations and the competitors were 19 Stony Brook students. The "coaches" were their faculty project supervisors. And the object was to score points - from zero to three for each of three criteria: research subject of current interest, significant progress toward resolving the issue under investigation and a clear, interesting presentation. Faculty judges, like the students and their coaches, came from such widely divergent academic disciplines as psychology and community medicine.

Professor A.A. Strassenburg, who founded and sponsored the program, was, ironically, unable to attend the presentations on May 8. But he was present, like a proud father after the birth, for the May 11 ceremony at which he disclosed the winners and presented prizes (\$100 for first, \$75 for second and \$50 for third).

As acting vice provost for curriculum and instruction, Dr. Strassenburg has more than a passing interest in what students learn. The idea behind the presentations was, he said, "to encourage Stony Brook undergraduates to participate in research and to reward those who have done so successfully this year."

But there was another important motivational factor. Dr. Strassenburg believes that students must not only acquire knowledge and the skills to apply the knowledge, but that they also should be able to tell others about their interests so that laypeople can understand the work.

"That's not always easy," he said.

The judges were impressed with the students' skills in relating complex matters in lay terms. David Sheehan, acting head of the Department of English, said he enjoyed the presentations he helped judge. They included such non-language research as "measuring residual stress in formed metal tubing" and a "method to fracture studies of material."

First prize went to senior Edwin Heidelberg, who was to win departmental honors in chemistry

at commencement 12 days later. Heidelberg, whose presentation was titled "Gas Phase NMR Zeugmatography," has been accepted at the School of Medicine of SUNY at Buffalo where he plans to begin graduate study in the fall.

His faculty supervisor, Prof. Paul Lauterbur, has been the subject of national publicity recently for his

work in a field not unlike three-dimensional X-rays, a field that is so new he gave it its name: NMR Zeugmatography. Acknowledging this recent acclaim, he nodded his head towards Ed Heidelberg and said, "That's because of the excellent assistance I have been getting."

Second place went to Jill Rumsky, a senior who plans to

work a year before entering graduate school for study aimed at a career as a clinical psychologist; and third place to Terry Harpold, a junior English major who will study next fall at Paris' Sorbonne University.

Rumsky's presentation, "Interaction and Sex Difference Comparisons Among Mothers, Approx. 18-24-month-old Infants and Their 3-5 Year-Old Siblings," was developed with faculty supervision from Professor Dale F. Hay. Harpold's paper was called "Rhetorical Uncertainty in The Book of Thel: Some Suggestions for a Reading," and his faculty supervisor was Professor David Erdman.

Asked after the award ceremony if this had been the first "annual," Dr. Strassenburg said, smiling: "I hope so."

There were no cheers from the crowd. Just quiet nodding in agreement. As competitions go, the Undergraduate Research Presentations draw on the participants' intense involvement just as much as any athletic competitions do. It's just that the scholars don't shout about it.



Smiling faces convey the pride that the participants experienced during the first Undergraduate Research Presentations directed by Professor A.A. Strassenburg (center). Chemistry senior student Edwin Heidelberg was judged first (right); Psychology major Jill Rumsky, second; and Terry Harpold, a junior English major, third.

photo by HSC Photography Services

## "The Brook" classrooms call

Last October, the first Alumni College Day brought 100 alumni to campus for a stimulating day of seminars. The program was the Association's first venture of this type and was, by all counts, a great success. In fact, the SUNY Confederation of Alumni honored it as the best 1981 on-campus program of the university centers.

Our second annual College Day is planned for October 23, 1982. Following the format that was so successful last year, participating faculty will be:

<b>Bruce Hare</b> 9:30-10:15 "Sociocultural Variations in Self-Perception and Achievement in Children: The Role of Race, Sex, Age and Social Class."	<b>Elof Axel Carlson</b> 1:15-2:00 "H.G. Muller: Geneticist, Humanist, Nobel Laureate and Controversial Personality"
<b>Peter C. Williams</b> 9:30-10:15 "Medical Ethics: Patients' Rights"	<b>James H. Rubin</b> 2:15-3:00 "The Origin of the Avant-Garde: Gustave Courbet, the Painter who Thought he could Solve the World's Problems by Means of Art"
<b>Werner T. Angress</b> 10:30-11:15 "The History of Germany's Jews: Its Past and Present Problems"	<b>Phil C. Weigand</b> 2:15-3:00 "Discovering Lost Cities: An Example From Mexico"
<b>Barbara Elling</b> 10:30-11:15 "The Role of Women in the Literary Life of Nineteenth Century Germany"	<b>Israel Kleinberg</b> 3:15-4:00 "The Impact of New Research Developments on the Future of Dentistry"
<b>Howard A. Scarrow</b> 11:30-12:15 "New York State Politics: 1982"	<b>Arnold J. Levine</b> 3:15-4:00 "Tumor Viruses: Their Role in Human and Animal Cancers"
<b>Alan Tucker</b> 11:30-12:15 "Fractions that Count: Distributing Sets in the House of Representatives Pits Mathematics Against Politics"	

Following the day's seminars, a wine and cheese reception will be held in the Fine Arts Gallery where the first Invitational Alumni Art Show will be opening.

The cost for the day will be \$20 for Association members and \$25 for non-members. Please bring a guest and join us for an enjoyable and informative day.

If you would like further information or care to register, please return this coupon to, Denise Coleman, Director, Alumni Association, Administration 336, SUNY at Stony Brook, Stony Brook, NY 11794

name \_\_\_\_\_ class year \_\_\_\_\_  
 address \_\_\_\_\_  
 street \_\_\_\_\_  
 town \_\_\_\_\_ state \_\_\_\_\_ zip \_\_\_\_\_  
 business phone \_\_\_\_\_ home phone \_\_\_\_\_

## FACULTY NOTES

**Daria Semegen**, associate professor of music, received the 1982 National Endowment for the Arts grant in the interacts program for composition of a musical score combined with choreography and computer-generated lighting...A book on the French historian Jules Michelet and a textbook for first-year French language students, written by Dr. **Oscar A. Isaac**, a faculty member in the Department of French and Italian, were published recently...Professors **Leo Treitler**, music; **Ruth Schwartz Cowan**, history; **Judith Wishnia**, social sciences; and **Richard Kramer**, music, have been awarded American Council of Learned Societies fellowships...Two publications have recently been published by, and are available from, the School of Allied Health Professions: *Health Issues of Older Women: A Projection to the Year 2,000*, the proceedings of an invitational conference directed by Professor **Jane Porcino** and **Elaine Friedman**; and *Modules of Instruction in Mental Health for Primary Care Practitioners*, covering a four-year project funded by the National Institute of Mental Health and directed by Professors **Edward Brown, Jr.** and **Lucille Messier**...**Amos Yahil** of the Department of Earth and Space Sciences has been selected for the 1982-83 Ernest F. Fullam Award of The Dudley Observatory...SUNY Chancellor's Awards for Excellence in Teaching have gone to Professor **Frank C. Erk**, biochemistry, and Professor **George Hechtel**, ecology and evolution...**Paul Helquist**, associate professor of chemistry, has received a Research Award from the National Research Fund of Sweden as well as a Fellowship from the American-Scandinavian Foundation...**Peter B. Kahn**, chairperson of the Department of Physics, has been asked to be a Sigma XI National Lecturer...**Ariel H. Garcia**, assistant professor of surgery, has been elected a Fellow of the American College of Surgeons...**Phyllis R. Garant**, acting dean of the School of Dental Medicine, has been elected treasurer of the American Association of Dental Research...**Fausto Ramirez**, professor of organic chemistry, has been listed among "The 1,000 Contemporary Scientists Most-Cited 1965-1978." Prof. Ramirez is author of 245 research papers...**Lauren V. Ackerman**, professor of pathology, was the first recipient of the Eleanor M. Humphreys Visiting Professorship at the University of Chicago.

Several thousand graduates, their families and faculty braved ominous skies and chilly temperatures to attend Stony Brook's 22nd commencement ceremonies May 23.

The inclement weather forced the central commencement activities to end sooner than anticipated. "We will try to do this again," said President John H. Marburger. "Through such ceremonies we enforce the sense of unity so important to a large campus. Thanks for being so good-natured."

Participants moved indoors for departmental receptions and award presentations that ranged from small, intimate gatherings to large assemblies.

Personal touches at the Marine Sciences Research Center's reception included a cake with the names of each of the 22 graduates carefully printed in frosting.

At the Department of Theatre Arts, Prof. Tom Neumiller worked in the names of every faculty member and senior in an address to the parents that concluded, "So this is what we've been doing with your sons and daughters the past four years...As they say in Phys Ed, the ball is now back in your court. And so, we wish you good luck, Godspeed, and," he said, specifically addressing the 19 graduating seniors—"break a leg."

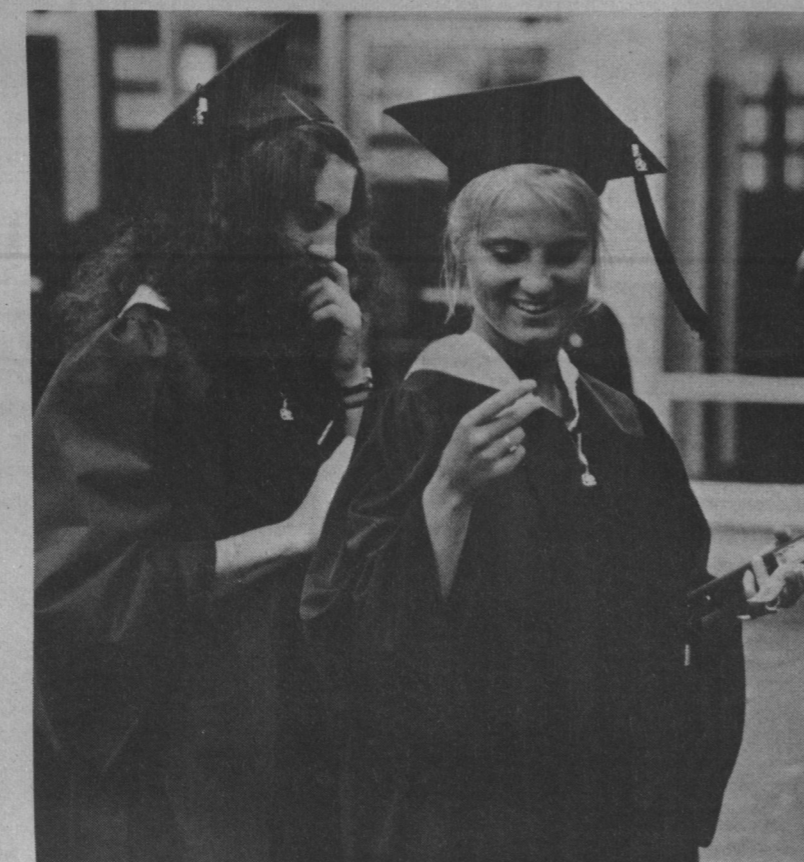
Some of the newest alumnae wasted no time in going to work. Ann Gillette, Katherine Reynolds and Deborah Hyland picked up their bachelor's degrees in music and promptly headed for the School of Social Welfare's ceremony where they provided chamber music as members of the Mystic Quartet.

About 1,000 people attended

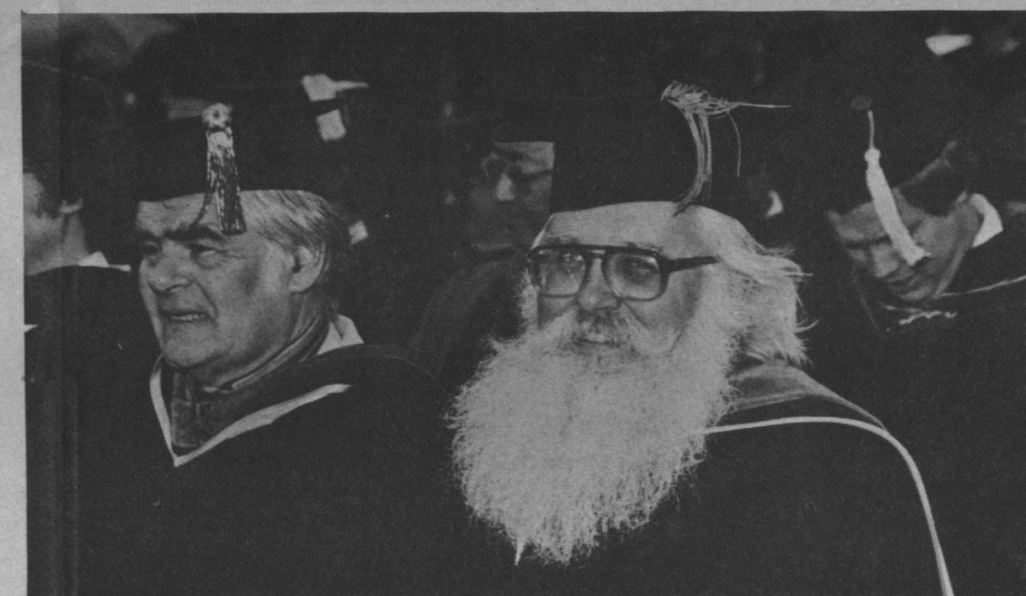
the program offered by the School of Social Welfare, held in the H Quad cafeteria. Senior speaker Karen Christensen waved a clenched fist and urged her classmates to take an active role in shaping "social responsibility in this nation." The main speaker was David Dellinger, introduced as "one of the fathers of the peace movement." Dellinger, known as the "elder statesman" of the Chicago Seven and the Yippie movement, pulled scraps of paper from his pockets and quoted T.S. Eliot, Eugene Rostow and his wife. Among his quotable assertions: "Voting for a lesser evil to run our lives is not democracy" and "There's no bigger welfare boondoggle than the arms industry."

Among the best advice given to the day's graduates was that offered by Prof. David Gilmore in his charge to the students at Anthropology's reception. It was identical to the instructions he gives to students about to embark on field work: "Observe, participate, work hard, take notes and—most of all—relax and make friends."

## Drizzle does not fizzle hopes of graduates



photos by HSC Photography Services

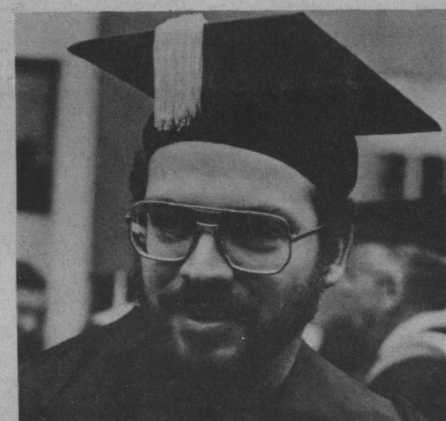


photos by Rich Zimmermann



"Stony Brook is a very special place and I'm very excited to be getting this degree. It should help me in my work—I'm a recreation specialist who works with the elderly. I'm here today with my children and my husband Irving—he's been most understanding during this process."

—**Sylvia Fisher**  
M.A., social and behavioral sciences



"Today is a combination of years of work and fulfilling a dream. And I have to thank my wife Amelia. Her contribution to this was very important—she was my stabilizing force."

—**Jerry Capriulo**  
Ph.D., oceanography



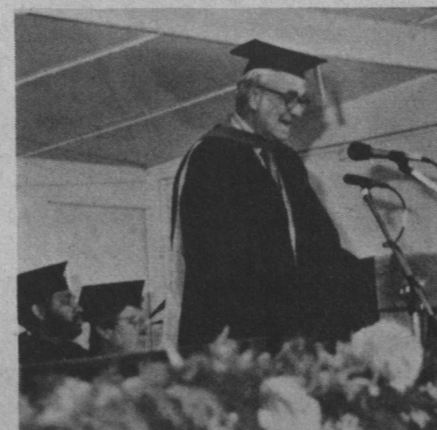
"I'm proud of myself. I'm glad it's over, but I'm also sad because I love Stony Brook. In a way I'm scared about graduating, but it's a new beginning. As for the future, I'll be working with kids in a day-care setting, and hope to go to graduate school eventually."

—**Velina Arrington**  
B.A., psychology

## Quotables from the

"What strikes me as truly incomprehensible is that the same Washington and Albany decision makers who talk so much of the need to revitalize investments in capital, seem to be bent on restricting investment in knowledge and in knowledge producers. While concentrating on the increase in material capital they seem bent on hampering investment in cultural capital. And yet, how can America be made more productive and better able to withstand foreign competition if it neglects and hampers the production of the knowledge that is indispensable for the future operation of all these new plants and machines that the supply-side economists envisage."

—President John H. Marburger



throwing ever increasing billions into the jaws of the war machine...

"I believe that there are enormous sources of idealism, devotion to the common weal, and potentials for committed action among the young today—just as they were present in an earlier generation that served in the Youth Corps or stood in the forefront of the battle for civil rights."

—Commencement Speaker Lewis Coser, distinguished professor of sociology

## 1982 Stony Brook Commencement

"In particular, we acknowledge the collective impact that Stony Brook has exerted, and will continue to exert, upon the lives of you who worked and studied here. And we seek from you a dawning recognition of the value of these years."

—President John H. Marburger

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"Wherever this "real" world is, we won't find the kind of individual attention we've come to expect here. There won't be hundreds of diverse organizations geared towards our specialized needs. And we'll never again be able to witness thousands of

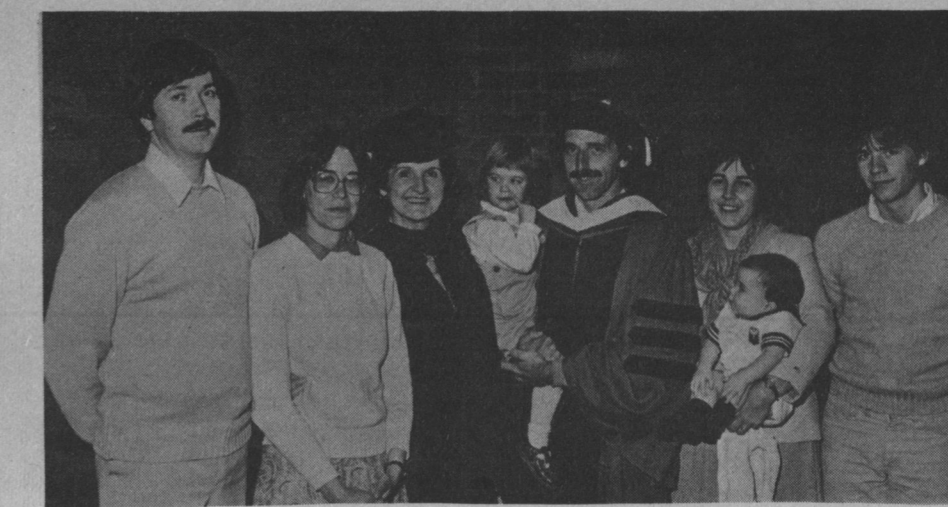
people from so many different races, religions, and backgrounds converging together to learn in an atmosphere of harmony and cooperation...We should be able to take what we've learned here and apply it to this "real world." Instead of fearing what's ahead, why not welcome it? Because what's ahead is us.

"...I honestly believe that if there is any purpose whatsoever in the existence of the human race, then that purpose is for us to learn how to use our individuality to prevent destructive conflict, rather than initiate it. We've made a pretty good start here at Stony Brook..."

"We can fall into a predictable, repetitive routine or we can keep our eyes open, continually searching for something more."

—Senior Speaker Eric Corley '82  
B.A., English

## A shining accomplishment



Determination: A special quality that enabled a single parent to go back to school, and at the same time support her four children through college. Eleanor Stokes is abundant in determination.

In the mid-sixties, Ellie hoped to afford the education of her oldest child. She encouraged Bill to attend Stony Brook. "Stony Brook has a wonderful reputation," she noted. "We felt it was the place to go."

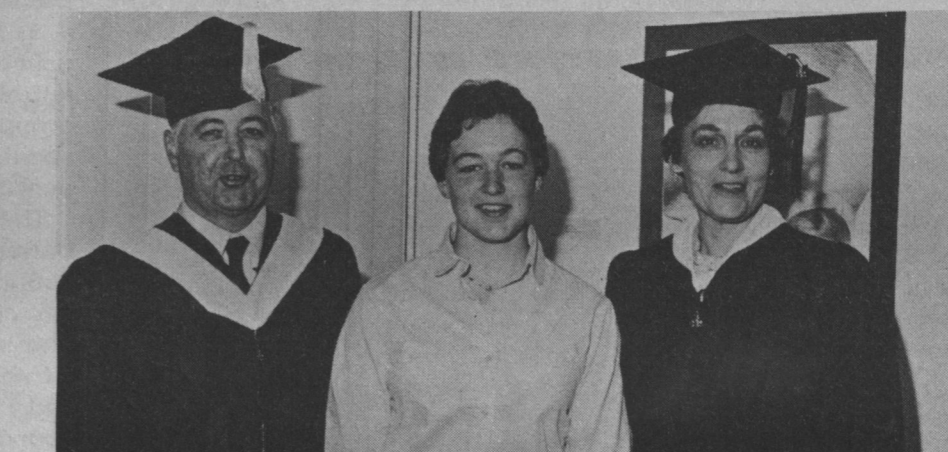
A decade and a half later, Ellie attended Stony Brook's 22nd commencement as a Ph.D. candidate, surrounded by her proud family: Bill and Jeanne (both married Stony Brook alumni), David, a student at SUNY, New Paltz, and Peter '85.

Ellie also received her bachelor's and master's degrees

from Stony Brook. She recalled "The support I got from faculty convinced me to keep going. I feel good about my time here. The whole family has sort of grown along with Stony Brook, and I would recommend the place to anybody." She now teaches anthropology and gerontology to the Stony Brook, Hauppauge and Old Westbury offices of Empire State College.

At the Anthropology Department's post-commencement reception, where Ellie was a student speaker, fellow graduates applauded as a grinning Bill Stokes ceremoniously draped the Ph.D. hood around his mother's shoulders. When asked before the reception how she could be distinguished from the other new Ph.D.s present, Ellie paused, then declared, "I'll be the one wearing the biggest smile." And she was.

## Education — a family affair



Dolores Wollam, like most college students, occasionally turned to other students for encouragement and commiseration. She didn't have to go very far. Dolores turned to her husband, Richard.

Together they celebrated their Stony Brook commencement. She received a bachelor's in art history; he a master's in industrial management. Encouraging them with their studies were daughter Leslie, now a junior at Stony Brook, and their three other children.

Though the Wollams never took a class together—"We have

different interests"—having schoolmates who happen to be relatives was a positive experience, said Dolores. "Leslie and I were both going through the throes of schoolwork first. I think Dick felt a little left out, until he enrolled too."

It was a "nonverbal understanding" that made the arrangement work, Dolores said. "Though we've gotten together to grumble, at exam time we left each other alone. It was a very quiet household, with everyone in a corner studying." Despite the pressures brought on by three family members rushing to class, the Wollams found the experience "something we have thoroughly enjoyed."

# Chorus sings their way through Europe

The youngest member of Stony Brook's Chamber Singers looked out the bus window and said, "Oh, my God, that really is the Eiffel Tower."

For Vicki Nolan, an 18-year-old East Northport sophomore, this was a trip she had dreamed about while singing alto in the chorus at Huntington's John Glenn High School. She never thought she would get to make it so soon.

For Irwin Kroot, a doctoral student in biology and the Singers' second tenor, the golden moment was the final note that filled the Opera House at Toulon, France. More than 300 voices, representing eight choral groups from Ohio, New York, Tennessee, Michigan, Georgia and California, had just completed their third performance of Beethoven's *Missa Solemnis* with the Philharmonia Hungarica under the baton of the noted American choral director, Robert Shaw. "It was," Kroot remembered, "an incredible performance."

Vicki Nolan and Irwin Kroot were among 40 in a Stony Brook group touring Europe May 24 through June 12 under the direction of Professor Marguerite Brooks of the Department of Music. For Maggie Brooks, as for all others, the European concert tour was more than she had hoped for during the long months in which the chorus sold fruit, held garage sales, and performed to help raise the money for the trip.

It was far more than a junket,

Prof. Brooks said. Traveling and singing in Switzerland, Lichtenstein, Italy and France was an important way of connecting the classical music the Chamber Singers perform with the music's roots in Europe. There was also a "sense of being U.S. ambassadors," she said. And she noticed that American tourists, as well as European residents, were being given "a view of responsible, committed students."

The trip's highlight was intended to be the St. Moritz Festival in Switzerland, but each of the Stony Brook travelers returned with a favorite memory from Basel, Dijon, Genoa, Nice, Lyon and Paris.

Prof. Brooks said she thoroughly enjoyed the seven formal concerts and was pleased with the informal performances the Chamber Singers gave. On their first evening in Paris, for example, the singers gathered outside Sacre Coeur on Montmartre for an impromptu concert. A crowd soon formed, and for some of the performers the warmth that came from the spontaneity of singing from a familiar repertoire was as exciting as the repeated curtain calls at an earlier sold-out Beethoven concert.

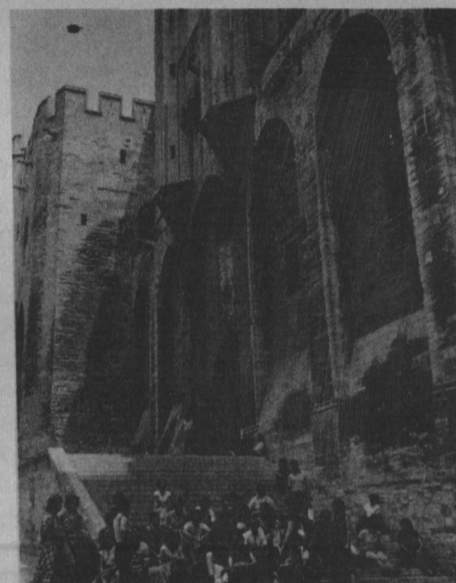
The best part of the entire tour for her, Prof. Brooks said, was the final planned concert at St-Julien-Le-Pauvre, a very old Greek church in Paris, where the Chamber Singers gave "an excellent, excellent performance. It was magical."

The trip was not all work, of course. Irwin Kroot likes to



Photos by James Barnes

Formal and impromptu concerts alike were performed and enjoyed by the Stony Brook Chamber Singers during their summer tour through Europe. Tour director Maggie Brooks recalled rehearsals in St Michel's in Dijon (above); others will never forget this impromptu performance in front of the papal palace in Avignon (below).



remember the trip as "sort of a honeymoon" for him and his wife of five months, Barbara Gorski. He was among five mountain climbers who conquered a Swiss alp on the same afternoon that Barbara was with a group enjoying the sun in the snow.

As fund-raising chairperson the past couple years, Kroot said he felt obliged to report that the group fell short of the \$61,000 it spent. Prof. Brooks knew the deficit to the penny: \$10,233.91.

The money is owed the University's Stony Brook Foundation, whose check on the day of the May 24th departure rescued what was close to being an aborted mission. Both Kroot and Prof. Brooks gave the Foundation "a vote of thanks."

But for every cloud there is a ray of sunshine. Prof. Brooks said more modest travel goals will be set for the near future, perhaps to New York communities or even Canada, while the organization pays off its debt. Sophomore Vicki

Nolan, who is determined that the Chamber Singers will make another European trip before she graduates, said she has already comforted fund-raiser Kroot. "I told him," she reported cheerfully, "that I'll just have to double my 1982 record and sell a hundred boxes of oranges."

Prof. Brooks isn't contradicting her youngest singer. Brooks is talking about a late-summer antiques show and crafts sale to raise funds...and about scheduling more selections from the Stony Brook Chamber Singers' own repertoire for the next European tour. There is, after all, nothing to do but to repeat an adventure proclaimed "absolutely everything we had hoped for."

## Capital Albany reunion

Thirty alumni obviously felt it was a capital idea when they came to SUNY Alumni House and met with University President John H. Marburger. Jon Salant '76, one of the initiators of the reunion, is looking forward to structuring a more formal chapter that could expand and meet more frequently.

Dr. Marburger spoke to alumni about the university community today and the changes that have taken place since the alums were students. Alumni were curious about the academic standing of the University.

One alum so aptly summed up at the end of the evening: "I came expecting to be unimpressed. I'm very happy that I was wrong!"

## "O Romeo, Romeo! wherefore art thou Romeo?"

No one had to ask where SB alumni were May 1. They were in the audience of a student production of *Romeo and Juliet*. The response to this first evening at the Fine Arts Center sponsored by the Alumni Association was terrific. Eighty tickets sold out and some alumni had to be turned away.

The pre-show cocktail party gave alumni a chance to socialize

a bit before becoming totally enthralled by the portrayal of Shakespeare's young lovers.

Alumni were many times on the edge of their seats during the authentic fight scenes, and the believability of Juliet's character was a tribute to both the actress and the director.

There were summer alumni Fine Arts evenings: July 20, *The Crucible*, and July 25, *Dracula*.



photo by HSC Photography Services

Socializing with members of the cast were these two alumnae before the "Romeo and Juliet" performance at Alumni Night at the Fine Arts Center.

## Alumni Events

For more information call (516) 246-7771

**Soccer Reunion**  
Saturday, September 18  
2:00 p.m.

7:30 p.m. First Patriot Club  
Alumni Dinner Dance  
(all invited)

**Homecoming**  
Saturday, September 25  
12 noon - Tailgate Buffet Lunch  
1:30 p.m. - Stony Brook Patriots vs. Siena  
Halftime Entertainment  
Student Float Competition  
4:00 p.m. - Cocktails to celebrate

**Alumni College Day**  
Saturday, October 23  
(see story)

**Alumni Invitational Art Show**  
Saturday, October 23  
(see story)

# Former Association President Mel Morris thirsts for firsts

Getting involved with a new alumni association a decade ago was par for the course for Mel Morris '62. He's used to firsts.

He was a member of the first class at the State University of New York at Stony Brook at its first location in Oyster Bay.

And, while active in the Stony Brook Alumni Association, he was busy establishing the science programs for the then brand-new Shoreham-Wading River High school.

Now that the Alumni Association, University and High School are well-established, Mel increasingly involves himself in another new enterprise. He developed a

there in the early years!"

Mel remembers the University in 1957 as an institution with a simple mandate: "training scientists who could teach." A university that for many years "always seemed to be a year ahead of schedule," rushing to become a mature, national institution in record time.

Meanwhile, Mel and classmates began setting in motion some of the operations that remain today. "We started the campus newspaper (then called *The Sucollan*), and designed the class ring. I was part of the original crew team, wading out with

family at the age of seven and graduating from high school in 1957. At Oyster Bay, before graduating with a bachelor's in biology, Mel was an odd jobs man. His positions ranged from custodian to bass fiddler. His interest in biology led to work in a veterinarian's office which perhaps led to his fondness for the word husbandry (see front page article).

After graduation, Mel taught science for four years at Central Islip Junior High School, a new institution at the time. He studied part time at C.W. Post College, and received a master's in marine sciences in 1967.

Then another new program beckoned, this time at the University of Florida at Gainesville. Within a year, he had earned a master's in education with a minor in earth science. He remained at Gainesville through the spring of 1969, earning a

doctorate in curriculum and instruction. Upon his return to Long Island, Dr. Morris settled into a two-year stint as science chairperson at the William Floyd/Mastic Beach High School.

By the fall of 1971, Mel had become a Stony Brook faculty member. He had met up with former classmate, SB Dean Lester Paldy '62 and former physics professor Clifford Swartz, who is still a faculty member. Mel developed an interest in the professors' discussion about expanding Stony Brook's science program and remained with the university until 1975.

He was then enticed to join a group of eight who started the Shoreham-Wading River High School.



Mel Morris '62 (right) recently relinquished his presidency of the Alumni Association to co-founder Len Spivak '64. Mel led the Association determinedly (left) as he does with so many of his endeavors.

"people-oriented and - happily, quite profitable - consulting business; helping professionals and other people diversify their incomes through marketing enterprises."

Mel was one of 144 students and 14 faculty and staff members at the William R. Coe Estate, now the Planting Fields Arboretum, in Oyster Bay when the first classes began. That fall of 1957 the institution was known as the State University College on Long Island.

"Sputnik had just gone up and, since our original emphasis was on training science teachers, the college opened up a year ahead of schedule because of the rush to catch up with the Soviets in technology," Mel recalled earlier this summer, sitting in a campus office. It overlooked the landscaped Fine Arts Center area, "a far cry from the mud fields I saw out

our shells into Oyster Bay at 6 a.m. And, a bit later, I was the first one to go out student teaching."

One of Mel's fondest memories of those pioneering Oyster Bay days was the strong community spirit shared by students and faculty. "I remember snowstorms with people getting stuck in the long Coe Estate driveway," he said. "Nobody drove past you. Then, when the cars were dug out, there would be a roaring fire waiting inside. Maybe with the way campus spirit is developing these days we'll see some of those scenes re-created in the dorm fireplace lounges - maybe that's an idea for an Alumni Association program next winter."

Mel was born in Bridgeport, CT in 1939, moving to Lynbrook with his

## Association aims to make a difference

The past two years have seen much growth in the scope and function of the Alumni Association. The organization has been restructured through the passage of amended by-laws. New officers have renewed their commitment. The increase in state support has led to the growth because of new resources.

It is now time for us to grow as a viable organization on campus. We have increased alumni programming (we have even won awards). Efforts have been made to locate all alumni; we have built the foundation from which to grow. We need your help to build from that base. We have not inundated you with membership mailings - we wanted to give you

a reason to join.

Now you have the reason. Join and become a part of this growing Association. Help us make a difference. We plan to offer more student scholarships and increase our impact on campus through additional funding of activities and participation on committees. Our most important goal, however, is to have financial resources to offer students as federal and state aid continues to get cut.

Look for the membership request in the mail, read it, and send in your application and dues. The Association has maintained the aspirations and optimism we had as students. Help us share those feelings with current students. For further information, contact the Alumni Office at (516) 246-7771.

## Reunions kindle recognition

Do you remember your years at Stony Brook? Ever wonder what happened to your suite mate? Come back to a Stony Brook reunion and find out.

May 15 brought together members of the classes of 1962 and 1972 for their 20- and 10-year reunions, respectively. The growing recognition on classmates' faces brought home to many returning graduates that they did not look exactly as they did here at "the Brook."

Held at the Roth Quad Cafeteria, the dinner dance reunion gave many an opportunity to see how the campus looks today (what, no mud?) and meet with University President John H. Marburger and Vice President for University Affairs James Black.

Conversation topics ranged from dorm life and former faculty members to medicine, engineering, law and a host of other current professions.

The reunion was the setting for awarding the first Alumni Association scholarships. Four students who have made significant contributions to campus life were granted \$250 scholarships to help defray the cost of their education. Mary Britton '73 and Len Steinbach '75, members of the Alumni Association Board of Directors, presented awards to:

- Thomas J. Kanyock '84 - Class of 1970 Scholarship
- David Gamberg '84 - Ashley Schiff Scholarship
- Jean Partridge '83 - Elizabeth Couey Scholarship
- Leslie Eckstein '82 - Alumni Scholarship



President Marburger congratulates the four Alumni Association scholarship winners. The awards were presented at the recent dinner dance reunion by (right front) Mary Britton '73 and Len Steinbach '75.

Any alumni wishing to assist the Alumni Association in its growing scholarship fund should contact:

Denise Coleman  
Stony Brook Alumni Association  
Administration 336  
State University of New York at Stony Brook  
Stony Brook, NY 11794



# Athletic accomplishments celebrated

There had been other sports banquets at Stony Brook, but there had never been one to match the 1981-82 Intercollegiate Athletic Awards Dinner May 5 at the Stony Brook Union Ballroom.

Three-hundred-and-fifty student athletes, coaches, faculty, staff and friends gathered for an awards program that may have lacked the tuxedo-tiara elegance of Hollywood's annual Oscar awards but none of the suspense, excitement and robust recognition of excellence.

During the four-hour program that began with a reception and buffet dinner, awards were presented to more than 250 young athletes and six coaches. These included the four Statesman awards for male and female athletes and coaches of the year, the Alumni Association's Senior Athlete Awards, the Eastern College Athletics Conference (ECAC) Merit Medals and the new VIP Booster Club Service Awards.

And for the first time in years, varsity letters were presented...89 to women athletes and 192 to men athletes, a total of 281 maroon and gray SB emblems.

The ballroom had two head tables and a long table holding 42 trophies, cups and plates that were presented to the student athletes chosen most valuable and most improved on the 21 teams.

On three sides of the ballroom were dinner tables for the teams. Each table was identified by a floating balloon on which the team's sport was printed. From these tables, as individual award winners were announced, came roars of approval and encouragement.

And later, when the student awards had been completed, two of the teams presented surprise awards to their coaches. Players honored Coach Teri Tiso of Stony Brook's 1981 Division III State Championship volleyball team and Coach Sandy Weeden of the women's basketball team.

As the large crowd began to disperse, the familiar strains of "Happy Birthday" broke out at the volleyball team's table, where 22 candles were lighted on a large cake for senior Captain Neal Vohr.

It was, indeed, an evening of celebration. President Marburger cited qualities for athletic success: "Sports at Stony Brook," he said, smiling, "are a product of labor



**Alumni Award Winners** - Three Senior Athlete Awards were presented by the Stony Brook Alumni Association at the annual athletic awards banquet May 5. Mary Britton '73 represented the Alumni Association along with Jack Quarneri '68, who announced winners Janet Byrne, Elena Naughton and Rod Woodhead.

photo by HSC Photography Services

and of stubbornness."

The first service awards of the new VIP club, which will be given annually, were testimony to the kind of perseverance President Marburger referred to. They went to four Stony Brook veterans of varsity athletics: A. Henry (Hank) vonMechow, chair of the Department of Physical Education and Athletics, a faculty member

since 1958; John W. Ramsey, director of men's athletics and a faculty member since 1963; Sandy Weeden, director of women's athletics and a coach 12 years; and Robert B. Snider, director of intramurals, squash coach and a faculty member since 1964.

Jack Quarneri '68, as president of the VIP booster club, awarded the VIP honors. He also presented the Alumni Association Senior

Athlete Awards with Mary Britton '73. There were three senior scholar-athletes: Janet Byrne, volleyball co-captain; Rod Woodhead, men's swim team co-captain; and Elena Naughton, captain of the women's cross country team.

Statesman awards for Athletes of the Year went to Neal Vohr and Janet Byrne, and for Coaches of the Year to John DeMarie, men's swimming coach, and Teri Tiso, women's volleyball.

Dr. Beverly Harrison, director of Stony Brook's affirmative action/equal opportunities program, was emcee.

Sandy Weeden and John Ramsey, who chaired the planning committee, cited the Stony Brook Foundation for its "kindness and generosity" in supporting the event. "For the first time in many years," they said in a written statement, "Stony Brook intercollegiate athletes were properly honored for their achievements in athletics and for their exemplary representation of the University as Stony Brook's unofficial good-will ambassadors."

## Weeden reaches for different levels of achievement

These are tough times for Associate Professor Sandra R. Weeden.

For the first time in 13 years she isn't getting ready for another season as the coach of a women's intercollegiate athletic team.

"That's what I'll miss most...being called 'Coach,'" she says.

Now she will devote all her campus time to being director of women's athletics, teaching physical education classes and serving on faculty committees. She isn't lightening her load so much as releasing more time for the non-coaching duties she has accumulated since coming to Stony Brook in 1968.

Sandy Weeden has never been far from sports in the 18 years since she graduated from Bainbridge-Guilford High School in 1963 and in the 18 years before that. She is the 10th of 11 children who grew up in an upstate Guilford, NY family.

At B-G High, she remembers, she took physical education classes five days a week, played on the field hockey, basketball and softball teams, and was a cheerleader. When she moved to Cortland State for her bachelor's degree, Sandy Weeden played four years of varsity field hockey and basketball. During her college years, she supervised the town swimming program in Guilford one summer and instructed swimming, tennis and golf at East Hampton for two summers.

At Stony Brook, she's had equally varied coaching seasons. In 1974-75, for example, she coached women's tennis in the fall, basketball in the winter, and softball in the spring.

But this 5-foot 3-inch athlete is clearly a basketball devotee. She's spanned the periods from women playing a strange kind of stationary passing game to the modern fast-break "men's style" that is now standard for all girls' and women's basketball.

What makes Sandy go is an



photo by HSC Photography Services

unsatisfied desire to win, to be the very best. "The Little League coach in Guilford said I was the best athlete in the school, but I couldn't play because I was a girl."

Soon after she played on "girls teams," but she's never gotten over the early resentment she built up over special rules and consideration for women. "In college, we played only six basketball games," she says. Her Stony Brook teams have played 25 games a season.

That doesn't mean Prof. Weeden believes women should play against men in most sports. "Look," she says, pointing a finger, "men are stronger. Strength is a factor in all sports. Men are generally faster, quicker. That's a reality."

Prof. Weeden stresses, however, that while men generally have a physiological advantage, the

competitive attitude is not restricted to either sex. "Successful women athletes are becoming more prevalent," she says, "because society no longer prohibits women from developing the competitive spirit. Today, a woman can be a hard competitor and a 'lady' without attracting society's scorn."

As she sees it, success in sports, for women as well as for men, depends upon setting realistic goals and maintaining consistency. "Quality athletes are able to do that," she explains. "They are able to play up to their potential."

She cites Cordella Hill, all-time career scoring leader of the women's basketball team, as an athlete who meets her potential. Although she is only 5-foot, 3 inches tall, "she is a Division I player."

How does Prof. Weeden rate Coach Weeden? "I'm an underachiever," she says. "But I love to teach those with higher skills, although I am inclined to be impatient. I'm not a great coach, although technically I am very knowledgeable. The kids sometimes call me 'Warden Weeden.' I don't mind. I have their respect. They know I'm fair."

Coach Weeden explains that retirement from coaching may mean more free hours.

Maybe, just maybe, Sandy Weeden will find time for gardening and other maintenance work around the house. And she'd like to take take in a few plays and concerts, perhaps even on a winter's evening when in other years she would have been a hundred miles from Stony Brook driving her basketball team to victory. But so long as there is a home game involving Stony Brook women, anyone looking for her might be smarter to start with the gym or playing fields.

"I always want to learn how to do it better," she says, a perfect summary of her life's philosophy.

## Attention soccer alum

The annual Soccer Reunion is scheduled for September 18, 1982 at 2 p.m. A buffet will follow the game at a cost of \$6 per adult. Further information can be obtained through the Alumni Office, (516) 246-7771.

# CLASSNOTES

65

**Eve Hazel** has been promoted from director of Vocational Center to deputy director of transitional services for New York Inc.

66

**Bruce "the Swami" Betker** is project manager at NASA's Marshal Space Flight Center in Redstone Arsenal-Huntsville, AL, where he works on a space shuttle. He produces television shows for a Huntsville Cable channel and is still active in sports.

67

Formerly involved in the fields of social work, psychotherapy and psychoanalysis, **Mary Morris Williams** presently has a part-time private practice in her home. She was married in 1976 and gave birth to her son Byron in November 1981. In addition, she has two step sons: Colin, 11, and Scott, 9.

69

**Janis V. Pridans** was promoted to manager of Quality Department at IBM in Tucson, AZ.

70

**Erich Gundlach** is an active participant in several national and international studies dealing with oil spill contingency planning and resource evaluations.

71

**Jan Oliver Blau**, who received a J.D. degree from St. John's University in 1977, is presently an advocate in the New York City Police Department where she brings charges against members of the department in the internal court. **Virginia Rodgers Hagarty** was married Aug. 22, 1981 to John T. Hagarty. Virginia's son gave her away, and her brother performed the ceremony. Virginia and John's four daughters read at the altar and seven granddaughters were ushers. **Samuel R. Taube** was recently promoted from associate dean to assistant vice president of student affairs, SUNY at Stony Brook. During the past year he served as a consultant to SUNY, Old Westbury and has presented papers at New York Technical Institute and Columbia University.

72

**William Feldman** graduated cum laude from American University-Washington College of Law in May 1981 and is now employed at Protas, Kay, Spivak & Protas Chtd., Rockville, MD. **Billy Marinelli** has been assistant professor of English at Black Hawk College in Moline IL for the past two years. He and wife Sandy are expecting their first child Oct. 1. **Bari Malin Myers** would like to start an alumni chapter in south Florida where she's currently living. Anyone interested should contact Bari at 9596 Oregon Road, Boca Raton, FL 3343. Not only is she a professor of law and has her own law firm, but **Debbie A. Spivak** is also a land developer presently living in Connecticut with her two children. For six years, **Steven A. Swidler** has been a practicing attorney and is currently in partnership with his father in their Manhattan office. He and wife Carol are expecting their first child in October.

73

Dr. **Stephen Kaplan**, parapsychologist, has been nominated to receive an award from the Parapsychology Hall of Fame. Dr. Kaplan is proud to announce that The Vampire Research Center will be conducting its Second and Final Vampire Census from October 1982 through March 1983.

74

**Leonard Feinkind** will be graduating from Albert Einstein College of Medicine. He and wife Carla, their two children: Jesse, 4, and Alex, 1, are moving to Brooklyn where he will start an OB/GYN residency at Brookdale Hospital.

75

**Richie Hajdu** and **Sheila Minsky Hajdu** '74 have two beautiful children: Frank, 4, and Robin, 1. Richie is a microbiologist at Merck & Co. Sheila was a teacher but now she's a mom and a part-time tutor. **Guido Gabriele, Esq.** joined the law firm of Schlaefer, Begos & Nicholson which specializes primarily in medical malpractice defense. **Andrew Schulman** gave an eight-string guitar concert at Carnegie Recital Hall May 26.

76

Presently an officer in the Navy in California, **Pat Cunningham** has worked five years on labor and national legislation. **Charles DiGiovanni** and **Claudia DeBellis-DiGiovanni** '76 have 1½-year-old Frank Joseph, and are expecting a second child in November. Engaged to Susan Rosenman, **Martin Goetz** is the associate administrator at River Garden Hebrew Home for the Aged in Jacksonville. A May 9th wedding was planned for the couple. Dr. **Larry N. Lewis** joined the General Electric Research and Development Center as a chemist.

77

**James Ballerano**, who received his law degree in 1979, is now associated with the law firm Proskauer Rose Goetz & Mendelsohn in Boca Raton, FL. **William A. Brockman** is currently pursuing his Ph.D. at Vanderbilt University in Nashville, TN. Since his marriage, he uses the name Bryson-Brockman. The National Newspaper Association's annual contest awarded **Bill Camareda** honorable mention for best column. Bill is currently editing *Stepping Out*, a monthly leisure guide distributed in Suffolk County. **Ralph Marinaro** is working on his Ph.D. in air pollution-acid rain formation at Virginia Tech. **Herta Wagner**, violinist, studied with Hesse-Sinzheimer in Germany and with Rosenberg and Kaplan of New York City. She has appeared with symphonies and chamber groups in New York, the Florida Symphony at Orlando and orchestras in other states. She is also teaching in Huntington.

78

**Alyne I. Diamond** was awarded a J.D. degree from the University of Bridgeport School of Law. Graduated December 1981 from New York Chiropractic College in Old Brookville, **David Gabay** opened a chiropractic office in Saratoga Springs, NY in May. **Selene B. Justin** is presently studying for a master's in primary mental health nursing at Lehman College. She will be marrying **Bernie Lanwehr, M.D.** in February. **Melvin Kloor, CPT**, was recently promoted to chief intelligence officer, and purchased a new home on the shores of Lake Arlington. He says he married a beautiful oriental woman of Korean descent and returned from an assignment in Europe. **Alan J. Smith** is now married, has two children and is working on worldwide network linking the national laboratories together in sharing data. Alan spends his vacations in the Adirondacks—hunting, fishing and boating.

79

Psychiatric therapy leader at the Rockland County Health Center, **Sidney Abrams** will receive an M.A. from Montclair State College in May. In September, he will begin studying for his Ph.D. at the New School for Social Research. **Suzanne DiGiacomo** is national account sales representative for Saxon Business Products and is now living in New York City. Currently finishing his internship at the National College of Chiropractic in Lombard, IL, **Robert Gotlin** was elected to the 1982 edition of *Who's Who Among American Colleges and Universities*. He is engaged to **Marcia Simon** '80, who's presently a sales representative at "Touch of Class Jewelers" in Manhattan. **Leonard S. Napolitano** is pursuing an M.B.A. in marketing management at St. John's University. In December 1981, **Barbara Olsen** was employed by Gulf as a geophysicist and received an M.S. in geology in March 1982. She's planning to get married in 1983. **Vincent J. Ferro** was awarded a J.D. degree from the University of Bridgeport School of Law. June 1983 will be a busy month for **Maira McDonald** and **Peter Miceli**. Peter will graduate from New York Medical College, and he and Maira, currently a psychotherapist, will be married. Susan Rodell, (stage name of **Susan R. Tanebaum**) is an actress and junior model in New York City. She has appeared in television commercials, advertisements and magazines. She has also recently completed the film "Svengali" with Peter O'Toole and Jody Foster for CBS.

80

Soon to be a "speech-language pathologist," **Clarice Bell** will obtain an M.A. in communication disorders. **Rosemary Citrola**, in addition to being a teacher, is doing volunteer work with the American Intercultural Student Exchange where American families host foreign students. **Margery Seigal Epstein** is a senior programmer for North American Phillips in Piscataway, N.J. **Mark Follman** is a design engineer for A.P. Montalbano Design Inc., an industrial and consumer product design/development consulting firm in Great Neck. **Linda Merrill** is doing graduate work at the New York State School of Industrial & Labor Relations, which focuses upon creating job-based programs for employees with personal problems. **Catherine O'Connell** is attending New York University at Washington Square for an M.A. in hispanic culture and civilization. **JoAnn Richardson** is pursuing an M.B.A. at Dowling College, Oakdale. **Roberta C. Geller** Taube has started her own career counseling and resume preparation service called Skill Builders. She and her husband, Sam, bought a condominium in Coram.

81

Marine Second Lieutenant **Bryce J. Dalziel** graduated from Basics, designed to prepare newly commissioned officers for assignment to the Fleet Marine Force. Enrolled in the M.S.W. program at Adelphi University, **Deborah Freud** is in her first year of graduate school. **Mark Joseph** is pursuing an M.S. in computer science at UCLA. **Thomas Lancia** expects to receive an M.I.A. degree in December 1982 from the Columbia University, School of International Affairs. **Frank Ross** is playing lacrosse in Ohio and studying medicine at the University of Cincinnati. **Owen Rumelt** is attending George Washington University Law School in Washington, D.C. **Penny L. Schwartz** is working toward the production and testing the specificity of an antibody to SN-RNA.

82

Ensign **Brian J. McCazzio** has been commissioned to his present rank upon graduation from Naval Officer Candidate School.

## Marriages

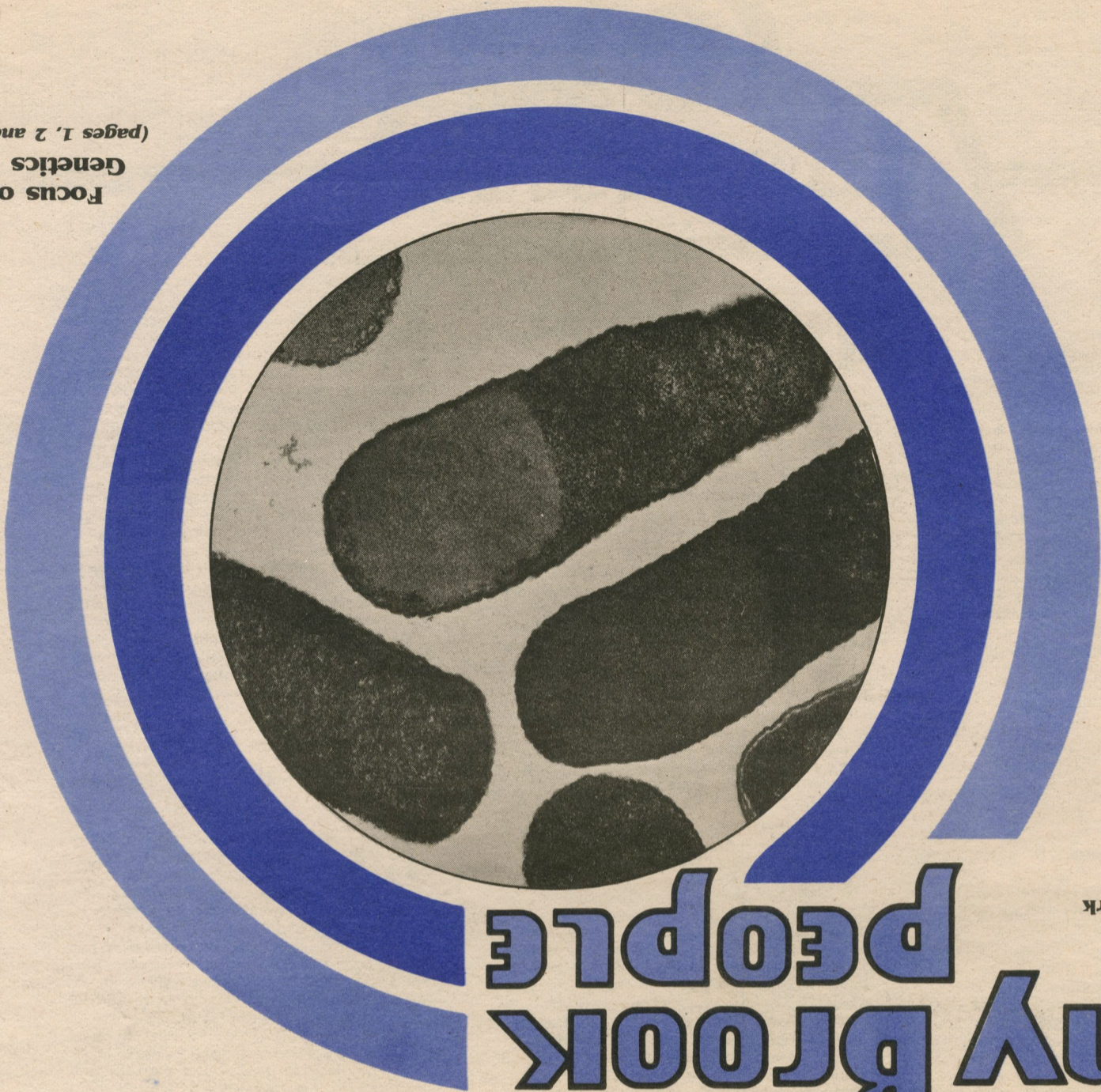
Linda Rose Rothenberg and **Richard Lewis Gelfond** '76 were married June 13 at Temple Israel of New Rochelle. Richard, an associate with the New York law firm Cleary Gottlieb Steen & Hamilton, received his law degree cum laude from Northwestern University in 1979 where he was on the editorial board of the *Law Review*. Linda is an accountant in the internal audit department of Thomson McKinnon Securities, Inc. **David Weiner** '77 to **Abby Phillipson** '78. David is a graduate student at the University of Cincinnati in molecular genetics. Abby is a chiropractor in private practice. **Ron Goodstadt** '78 to **Sherri Funt** '81 on Sept. 26, 1981. Ron received his pharmacy degree, is licensed and registered in New York and New Jersey, and is also working in a retail pharmacy. Sherri is a respiratory therapist at St. Francis Hospital in Roslyn. **Daniel T. McCarthy** '79 to **Anne Jemieson** '78. **Hymin Zucker** '79 to Nancy Marles. Hymin is now practicing nutritional evaluation and counseling in Clark, NJ.

## Births

**Richard Reis** '67 and wife Mary Ruth have two daughters: Rose, 2, and Julia, born March 25. Richard is working at Rixon in Silver Springs, MD where he is the head of an engineering section. **Joseph LoConti** '75 and **Annette Consoli LoConti** '75 had their first child on January 2. **Steven Englebright** '78 and **June (Trent) Englebright** '78, had their first child, daughter Christina Marie, May 30. Steve is curator of the Museum of Long Island Natural Sciences.

## Deceased

**Amy Presser Jonason** '74 passed away Dec. 15 due to a spinal cord tumor. She is survived by husband **Raymond C. Jonason** '74, and their two children, Peter, 4, and Gregory, 1.



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# Stony Brook PEOPLE



photo by MSRC

## Students measure up

*Summertime for these students means taking measurements of the beaches so that MSRC researchers can determine coastal movements.*

"Summertime" and "seashore" are synonymous to most Long Island high school students. Those from East Hampton and Bay Shore High Schools are no exception - but instead of toting surfboards and Frisbees, they're wielding clipboards and measuring rods.

Through Stony Brook's Marine Sciences Research Center (MSRC), these students are spending time on the beach to gather information that helps oceanographers understand the effect of erosional processes and seasonal changes on Long Island's coastline.

The students' efforts are coordinated by Dr. Henry Bokuniewicz. He has trained them to compile coastal resource inventories - collections of data on the movement of sand along the shoreline at East Hampton and Fire Island.

Once a month, students use calibrated wooden staffs to measure the elevation of the beach every five feet from the crest of the sand dunes to the water's edge. The students record the measurements, which are fed into a computer that produces a

visual picture of the sand buildup at each station. By comparing graphs made with different sets of monthly measurements, Dr. Bokuniewicz can see how the beach changes due to erosion and deposition.

Dr. Bokuniewicz stressed the importance of the students' participation. "I've been impressed by their willingness to get out and conscientiously try to make the measurements and follow instructions. We certainly couldn't do this work without them."

The efforts of the East Hampton students have enabled him to draw conclusions about erosion at East Hampton. "These are the first direct measurements of the seasonal changes that occur at East Hampton. From them we determined that sand is lost there during the winter as a result of severe winter waves and is returned to the beach by the gentler waves of spring and early summer," he said.

Locations at Amagansett Beach are also yielding important information. Dr. Bokuniewicz said, "We are seeing differences in the patterns of erosion and deposition of sand between East Hampton and Amagansett. We believe the patterns are influenced by the

longshore bar."

A trip to the shore during the summer might seem attractive to prospective beachcombers, but Dr. Bokuniewicz pointed out that students take measurements every month of the year. That includes braving the bitter winds of January and February. "On the whole, the students are pretty reliable," he said.

The Bay Shore program, begun a year ago, has enough funding from the New York Community Trust and the New York Sea Grant Institute to continue for five years. Dr. Bokuniewicz would like to see the East Hampton work, begun in 1979 and funded by the East Hampton Beach Preservation Society, New York Sea Grant and the town of East Hampton, also reach the five-year mark. The East Hampton students have won praise from their community and local media, and the Bay Shore group has been selected to receive a Presidential Environmental Youth Award.

The participants echo Dr. Bokuniewicz's enthusiasm about their help. Bay Shore high school student Maria Imbriale said, "It's a good experience and it's exciting." Bay Shore science teacher Jim Romansky,

who supervises the students during the measurement process, said: "It's a situation where the students can apply classroom knowledge to learning about the real world. They are doing a community service."

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