

Inside University Hospital



Some Work and Others Labor.
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Cinders to Cement



MSRC Waste Management Institute tests new ash-based material.
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Encuentro 92



USB celebrates Hispanic Heritage Month all through October.
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Music



Canadian Brass coming to Staller Center October 24.
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UNIVERSITY AT STONY BROOK • SUNY • CURRENTS

OCTOBER 1992

VOLUME 10 NUMBER 7

HEALTH CARE

'Flying' Through the Body

Videoscope surgery Comes of age

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ardiothoracic surgeon Alan Hartman makes two small cuts in the 70-year-old patient's side. Inside one hole, the size of a quarter, he slips a fiber-optic tube that holds a palm-size video camera which he uses to navigate through the patient's chest wall and lungs in search of a tumor. In the other hole, this one dime-size, cardiac surgery fellow John Zelen inserts another tube with a clamp on the end which he uses to lift lung tissue that

may hide the rascal lesion.

"This is like taking a hot air balloon ride into the chest," says Hartman, as he views the man's lungs on a 13-inch video screen. "We're flying through the caverns of the body."

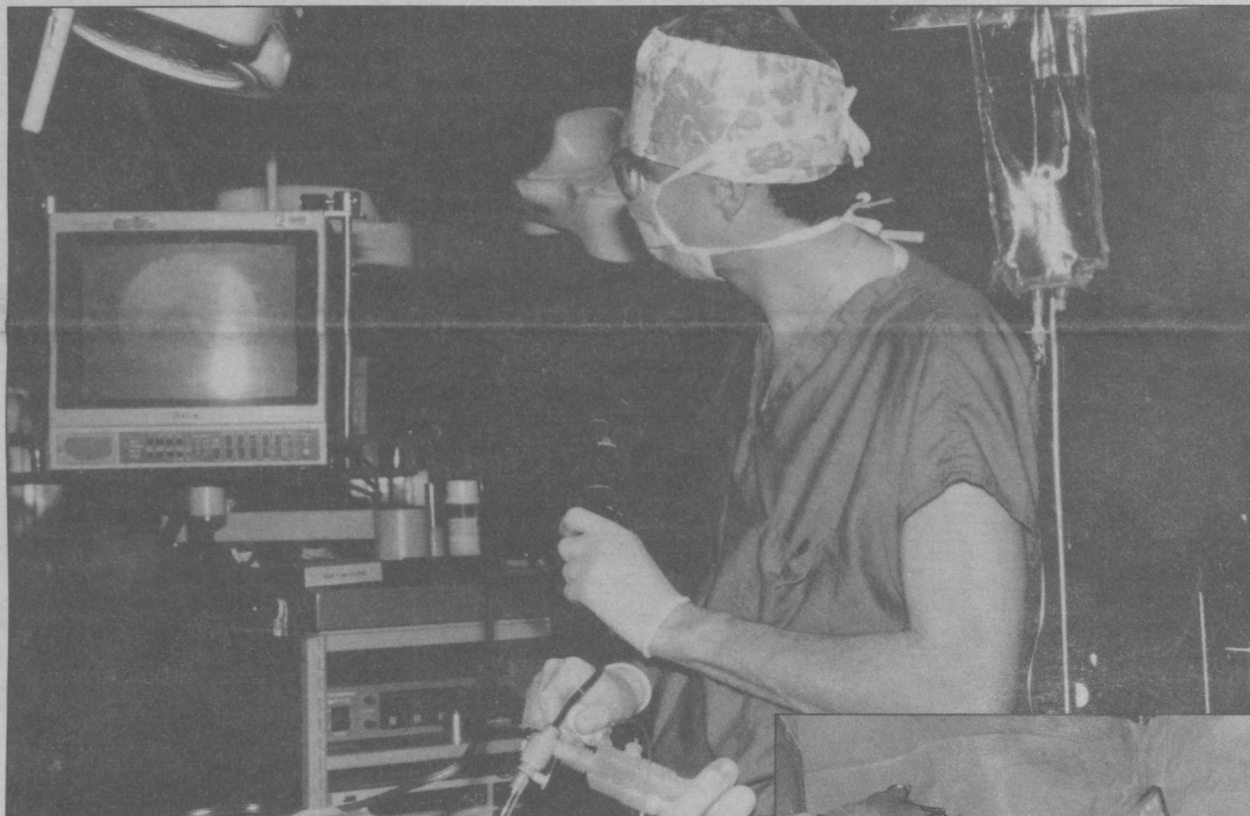
This nearly bloodless procedure is known as thoracoscopy, one of the most recent applications of so-called videoscope surgery. An alternative to thoracic surgery, which involves a six-10-inch incision and painful recovery of a week to 10 days, videoscope surgery can be done with an inch-long incision and allows a patient to leave the hospital in two to three days.

"Thoracotomy incisions are more painful than others, because you're cutting in between the ribs and through muscle," Hartman says. "With thoracoscopy, you make a small incision that can easily be closed with a few stitches."

Hartman says thoracoscopy has been around for about 30 years — originally used in tuberculosis treatment — but only recently have the instruments and techniques been improved. Today, doctors use small video cameras and miniaturized scissors, forceps and staplers.

Thoracoscopy can be used for diagnostic purposes, such as a lung biopsy and treatment. Hartman and colleague Dr. Thomas Bilfinger have used it to close abnormally developed air sacs on the lung, to remove benign tumors on the lung's surface and to eliminate fluid in the

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PHOTOS BY MEDICAL PHOTOGRAPHY
Video monitor guides Dr. Alan Hartman through the tracheal-bronchial tree, a procedure done prior to thoracoscopy.

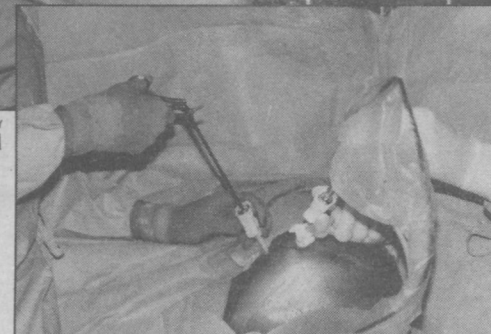
lungs or around the heart. In the latest application, thoracoscopy is being paired with lasers to open blocked bronchial tubes.

Other uses for videoscope surgery include gynecology, orthopaedics, gastroenterology, trauma and urology. Gynecologic surgeon Dr. James Drosch is truly a videoscope whiz, employing laparoscopy to treat ovarian cysts, pelvic pain, endometriosis, ectopic pregnancies, fibroid tumors, and, in the newest application, to assist in performing hysterectomies.

"Ten years ago, lasers were the hottest thing around," Drosch says. "Now, we have almost a complete array of instruments engineered to fit down little sleeves inserted into the body."

Urologic surgeon Dr. Wayne Waltzer uses laparoscopy in the abdomen to biopsy lymph nodes for prostate cancer, while surgeons at Washington University, for instance, use the technology to remove diseased kidneys.

A trio of University Hospital surgeons have been using laparoscopy to remove the gall bladder for more than a year. And Hartman, Bilfinger and trauma surgeons Evan Geller and Brian Pinard are gearing up to use the scopes to diagnose a separated aorta — the most common cause of death in motor vehicle accidents. Geller also has begun to



A close-up view of Dr. Hartman using endoforceps as his assistant Dr. Zelen uses the thoracoscope and video camera.

use the technology to diagnose internal injuries from motor vehicle accidents, as well as repair tears to the diaphragm with surgical staples and fix liver and spleen injuries with fibrin glue.

Videoscope surgery is not without its complications and will not entirely replace conventional surgery, however, Hartman notes. It is not recommended for lung removal in the treatment of lung cancer, for instance, because surgeons need to remove surrounding lymph nodes. Also, laparoscopic gall bladder removal appears to carry a slightly elevated risk of bile-duct injury, though that risk is related to the amount of experience a doctor has with the procedure, notes Dr. Lonnie Frei, clinical associate professor of surgery.

"The more procedures the surgeon has under his belt, the lower the risk," he says.

By Wendy Alpine

TODAY'S SMART SAVINGS AND INVESTING MOVES FOR COLLEGE

MoneyGuide

BEST COLLEGE BUYS

Exclusive Rankings: The Top 100 Schools for Your Money Plus The Bargains in Your Area

How To Win Financial Aid and Scholarships

Key Facts on 1,000 Schools

1993 EDITION From the Editors of MONEY

Stony Brook Moves Up in Money Rankings

Readers of *Money* magazine are learning what students, faculty and administrator's already know: Stony Brook is one of the nation's best buys in higher education.

The university ranked twenty-ninth in the nation among the best 1,000 college buys, up from thirty-second last year. The only Long Island institution so designated statewide, Stony Brook was one of only five SUNY campuses cited in the 1993 *Money College Guide*. The others were Albany (23), Binghamton (12), Buffalo (42) and Geneseo (39). *Money* said SUNY's "modest-size research universities rank among America's best, with top-notch faculty and bright students."

In drawing up its list, *Money* considered faculty strength, library resources, instructional budget, student services budget, entrance examination results, class rank, high school grade-point average, freshman retention rate, graduation rate, percentage of graduates who go on to professional or graduate schools, default ratio on student loans, number of graduates who earn doctorates and business success of students based on schools attended by the 70,000 top corporate executives listed in *Standard & Poor's Register of Corporations, Directors and Executives*.

Stony Brook ranked eleventh among the best buys in the northeast, ahead of Harvard, Johns Hopkins, Columbia, Swarthmore, Dartmouth and MIT.

Stony Brook was also ranked fourth by *Money* in a list of 10 "melting pots"—schools with the highest percentage of minority enrollments excluding historically black colleges. Stony Brook, erroneously reported at 49 percent (the true number is 30 percent), came in just below UCLA and UC at Berkeley and slightly ahead of California Institute of Technology, Stanford, MIT, Pomona College, Columbia University and Rutgers.

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Fall Semester Brings Changes

Some 17,221 students are attending classes here this semester, off from last year's record fall enrollment of 17,697, as of mid-September. This year's freshman class numbers about 1,553 students.

Fall 1992 undergraduate enrollment totals 11,027 full- and part-time students — 10,538 on West Campus and 489 at the Health Sciences Center. Graduate/professional full- and part-time enrollment totals 6,194 students — 4,800 on West Campus and 1,394 at the Health Sciences Center. Of that figure, 631 are enrolled at the School of Medicine or School of Dental Medicine.

For the more than 6,600 undergraduate and graduate students who reside on campus,

the term brought major changes in housing options. For the first time, students could choose to live in residence halls designated as "Quiet Lifestyle Communities." Students in these areas must maintain quiet hours from 8 p.m. to 10 a.m. Several floors in four residential quads were set aside for the nearly 300 students who signed up for the QLC. Also for the first time, students could request roommates who do not smoke or drink. About 80 students made such a request.

The newly renovated Henry (Hendrix) College in Roth Quad reopened this fall after undergoing a \$1.8 million face lift. In addition to new bedroom and suite furniture, the residence hall has been outfitted with new bathroom fixtures and vanities, carpeting and a new electronic security system. Rooms in the renovated building were offered first to students who had been displaced by the construction work. Two more residence halls in Roth Quad — Gershwin College and Cardozo College — are now closed for similar renovations.

Also, most student organizations headquartered in Central Hall have moved out of the building in anticipation of construction of a new Student Activities Center on the site. The groups are relocating to the Stony Brook Union. Reconstruction and expansion of Central Hall is scheduled to begin in early 1993.

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Residence Halls Get Clean Bill of Health

Experts from three separate testing laboratories have given a clean bill of health to two Stony Brook residence halls that were the focus of a "cancer cluster" investigation earlier this summer.

The university ordered an intensive study of Irving and O'Neill colleges after a former student asked if there might be a link between the residence halls and an incidence of cancer among friends who lived in the buildings between 1981 to 1988. Over the eight-year period, about two dozen students were said to have developed cancer out of thousands who resided there during that period. Because the cancers were varied and the number of reported cases low, university experts believed there was no environmental connection between the residence halls and those who contracted the disease.

But to be certain, more than \$20,000 in environmental tests were conducted. In addition, Roger Grimson, USB biostatistician, epidemiologist and expert in disease cluster, is studying medical records and health data on all students, with an eye toward developing a profile of the residence halls. His study is expected to take about six months.

The environmental studies of O'Neill and Irving included taking over 100 long duration air samples (covering more than 80 different potential air contaminants) on every floor of each building, drinking water samples in each building (covering 66 different potential water contaminants), seven day-24 hour temperature/humidity recording in each building, ionizing and non-ionizing radiation measurements in each building, and evaluations of past and present physical conditions in each building.

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SUNY Decision Opens Door for GA's to Unionize

A decision by SUNY to forgo further appeals of an Appellate Court decision that granted graduate assistants collective bargaining rights will have little impact on Stony Brook this academic year.

But if organizing attempts are successful, a contract with graduate student assistants and graduate teaching assistants could be in place by July, 1993, says Glenn Watts, vice president for finance.

"At the moment, only one union, the Communications Workers of America, seems interested in representing the graduate assistants. If no other union seeks to become the bargaining agent, the representation ballot will likely offer a choice between CWA, Graduate Student Employees Union (GSEU) or no union." Both the representation election and, if successful, negotiations would be handled at the state level, says Watts. Only graduate assistants on state lines are affected by the court decision.

A statewide representation election is expected to be conducted this fall by the Public Employees Relations Board (PERB) with the results certified before winter recess. Graduate students being paid on state lines on the October payroll will be eligible to vote. If the graduate students elect a labor union to represent them, statewide negotiations could begin during the spring semester.

In announcing SUNY's decision not to press the appeal, Chancellor D. Bruce Johnstone said he would "continue to hold as paramount, the training and the student status of the graduate student teaching assistants" and said he was "hopeful that a collective bargaining contract could be negotiated that respected this principle."

The Governor's Office of Employee Relations will represent the state in such negotiations.

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Press Association to Study Health Care, Regional Needs

Reporters, editors and publishers will gather at the university next month for a day-long program focusing on health care, regional policy and marine sciences. The November 6 gathering, sponsored by the New York Press Association, will be held at the Health Sciences Center and the Marine Sciences Research Center (MSRC). About 75 to 100 journalists from the metropolitan area are expected to participate.

The morning session at the HSC will focus on "Hot Topics In Medicine and Health Care: What editors and reporters need to know in covering health and medical issues in their communities." University experts will discuss topics ranging from federal health care policies to medical breakthroughs.

Lee Koppleman, professor and director of the Center for Regional Policy Studies and executive director, Nassau-Suffolk Bi-County Planning Commission, will give an overview of regional problems and solutions.

Journalists will spend the afternoon at the MSRC, where panelists will concentrate on environmental issues.

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NEWSMAKERS



Stan Altman, deputy to President **John H. Marburger** since March 1988, has returned to the faculty of the Harriman School for Management and Policy. During his tenure, Altman became expert in technical issues surrounding the financing of the three SUNY hospitals. Because of the exceptional importance of this issue to Stony Brook, he has been asked by Marburger to serve as his advisor on health finance, a role that also will require him to work closely with HSC Vice President **Dr. Howard Oaks** and University Hospital and SUNY Central officials.

"During his four years of service in my office (five, counting a year as Presidential Fellow for Housing), Stan has brought immense energy, skill and professional knowledge of organizational behavior to the Stony Brook administration," Marburger noted. "He has been extremely effective during the critical phase of many important projects including the Schomburg Apartments, the incubator building, the ambulatory care building, the new campus planning process, the 'all funds' budget process, the legislatively mandated Performance Management Program and many more. He has been an effective troubleshooter for a great diversity of issues."

A search is now underway for a successor familiar with operations of the university and skills appropriate for technical management oversight.

Laura Lee Martorana, daughter of **Linda Martorana**, a keyboard specialist with the East Campus Physical Plant administrative office, has been named recipient of the 1993 Campus Services Award, a \$250 scholarship offered to Division of Campus Services employees and their families attending college or trade school. Martorana, a freshman majoring in English at Stony Brook, was cited for her commitment to community involvement and volunteerism. While a high school student, she was active in numerous clubs and community organizations, serving as a volunteer at the Special Olympics and as a camp counselor for disabled students. She was selected by a six-member awards committee.

Randy Glazer has joined the Department of Human Resources as manager of Employee and Labor Relations with responsibility for UUP and Council 82. Formerly a labor relations specialist with Columbia University, Glazer, who holds a master's degree in labor relations from New York Institute of Technology, interned with the National Labor Relations Board.

In a related move, **Karen Nimmons** has been promoted to manager of Employee and Labor Relations, responsible for CSEA and the Research Foundation.

Janice Coughlin, director of Governmental Relations, and **Vicky Penner Katz**, director of University News Services, were cited in a recent edition of *The Quill*, the national publication of the Society of Professional Journalists, for their role as judges for the national 1991 Sigma Delta Chi Awards which will be presented this November in Baltimore, Maryland. Coughlin and Katz were part of a five-member team which designated the *Credit Union Information Service Newsletter* a winner in the public service award category.

CURRENTS

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The University at Stony Brook is an affirmative action/equal opportunity educator and employer.

Incubator Dedication Set

A ceremonial ribbon will be cut this month heralding the official opening of the Long Island High Technology Incubator.

The ceremony, Tuesday, October 6, will be held at the main entrance of the new \$5 million facility. Gov. Mario Cuomo has been invited to the event, joining University President John H. Marburger, university officials, and those government, business and civic leaders whose efforts culminated in the only facility of its kind on Long Island.

"The overwhelming legislative support for the Long Island High Technology Incubator signifies how important this project is for our future economy," said Marburger when the New York State Legislature passed the bill to provide low-interest loans for the facility back in May, 1990.

The incubator, designed to nurture new companies in technologies crucial to Long Island's economic development, will provide facilities and basic services to emerging



Long Island High Technology Incubator opens this month.

ventures. Tenants will have access to university research scientists, specialized equipment, business and marketing assistance, and entree to the investment community. In addition, a regionally based support system will encourage incubator "graduates" to remain within the area and state.

Construction of a high technology incu-

bator building at Stony Brook has been anticipated for several years. In 1986 the university, working through the state's Center for Advanced Technology, created an Interim Incubator Program in biotechnology, using temporary space in the Life Sciences Building. Since then, the university program has expanded to accommodate additional technologies housed in other campus facilities.

As of last month, 15 start-up companies, including seven tenants in the interim program, have leased space in the new facility.

Operations of the Incubator are overseen by the Long Island High Technology Incubator, Inc., a not-for-profit membership corporation of the Stony Brook Foundation and the State University Research Foundation. Manager of the new facility will be Francis P. (Pat) Hession, president of the corporation. Architects were Ehasz-Giacalone (Garden City); builders were A.D. Herman (Huntington).

Retrenchment Cuts Jobs in Computing

Confronting a \$500,000 cut in its base budget, the Office of Computing and Communications has retrenched the User Services unit.

Ten lines were eliminated, six of which were formally retrenched, a technical term meaning elimination of a function for budgetary reasons or lack of activity. One position was eliminated following an individual's retirement.

While there is "no intent for any services to come to an abrupt halt," said Roger Pijacki, vice provost for computing and communications, some functions performed by the unit will be eliminated or sharply scaled back, while others will be transferred to other areas.

"People will see a different level of service," he continued. "There's no way we can remove this many people from an area and not show some signs of strain. But there will still be support to provide assistance when people confront certain kinds of problems."

One service that surely will be scaled back is training, noted Pijacki. For training in software for personal computers, members of the campus community will now be urged to enroll in programs offered by the School of Continuing Education. Basic training in All-in-1 is likely to be reduced to one or two group sessions per semester.

Administrative systems support will be provided through the Computer Applications Systems Office at 2-9253. Technical issues involving SBNEWS should be brought to Computing Services Systems Support (2-8020).

The Office of Human Resources is working with those employees whose positions were retrenched in an effort to find other employment.

The Office of Computing and Communications has produced a "services road map" detailing where in the organization to go for assistance. Copies may be obtained by calling 632-9085. The document will also be available on SBNEWS.

HOMECOMING 1992

October 21-25 is Homecoming Weekend at Stony Brook, bringing reunions, a parade, football game, a 5K Run for Scholarships and more. (See the Calendar for details.)

The Alumni Association will honor two Distinguished Alumni, Robert Gallucci (Class of '67) and Jesse Nicholson (Class of '61), and one Outstanding Professor: Harold A. Scarrow, professor of political science, at a ceremony on Saturday morning, October 24.

Gallucci was recently named assistant secretary of state for politico-military affairs in the Department of State. Nicholson is professor and chair of the Chemistry Department at Howard University. Scarrow has taught political science at USB for 30 years, winning the admiration, respect and affection of his students.

Marburger's Big 3: Health Finance, Research, Undergrads

In a frank but upbeat fall convocation speech, President John H. Marburger outlined new directions Stony Brook will take to deal with shrinking state support coupled with a gloomy national and regional economic picture.

The university, he said, will immediately begin a national search for a vice president for research and graduate studies. The position replaces that of provost for research and graduate studies and will report to Provost Tilden Edelstein, who was named executive vice-president for academic affairs.

Improved resource planning, particularly in the area of health care, strategic manage-

ment of sponsored research and graduate study, and improving undergraduate education top the president's list of priorities.

(The full text of Marburger's speech can be found on SBNews on the "Messages to the University Community" bulletin board, located on the menu for the president's and vp's offices, and it will appear in next month's *Currents*.)

Speaking to a nearly packed house September 16 in the Staller Center Recital Hall, Marburger said that Stony Brook is "doing much better than many of our sister institutions. With effort and discipline, we can solve many of the problems created by the large cuts in our state budget."

Marburger noted that half of the university's activities are devoted to health care. "Although that half has problems, it continues to grow and create jobs and stability for the entire campus." The state operating budget is a half of the remaining half, he explained. "All non-state parts are doing well under pressure, including sponsored research, dormitory operations, fund-raising and auxiliary services."

The new planning process, Marburger said, "is intended to help focus campus attention on critical areas in which Stony Brook must take action or face major setbacks." The three major issues will require "our utmost in creative thought and action," he added.

Victory Is Complete in Suits on 'Animal Rights'

The university committee responsible for monitoring animal research at Stony Brook is not a "public body," and its records are not public documents subject to the State's Freedom of Information Law.

That's the final word from the State's Court of Appeals. The decision handed down September 18 gives the university a complete victory in a legal battle dating to 1989. The battle began when two suits against the university were filed by the American Society for the Prevention of Cruelty to Animals (ASPCA) and Bide-A-Wee Home Association. One, invoking the State's Open Meetings Law,

sought to force the university to conduct public meetings of its Institutional Animal Care and Use Committee (IACUC). The other, invoking the state's Freedom of Information Law, sought to force the university to make public all research applications submitted to the IACUC by Stony Brook faculty.

All institutions that conduct animal research are required by the federal Animal Welfare Act to establish oversight committees like the IACUC to review research applications and ensure that the institution is complying with federal regulations. Since the IACUC's "constituency, powers and func-

tions derive solely from federal law and regulations," the Court of Appeals reasoned, "it is at most a federal body," and therefore subject to neither the State's Open Meetings Law (a decision issued last year) nor its Freedom of Information Law.

"We are pleased that the court has upheld our position," said Lorne Mendell, chair of both the Department of Neurobiology and the Biological Research Communications Committee. "These decisions ensure that New York state law shall not be used to interfere with lifesaving biomedical research."

Dean Pro Tem Named for Humanities and Fine Arts

Richard Kramer, professor of music and former chair of the Department of Music, has been named dean for Humanities and Fine Arts in the College of Arts and Sciences for the 1992-93 academic year. He replaces Patrick Heelan, who left USB to become executive vice president at Georgetown University.

Kramer, who earned a Ph.D. and M.F.A. in musicology from Princeton University, an M.A. from Brooklyn College and a B.A. from Tufts, came to Stony Brook in 1968. He was recently appointed editor of *JAMS*, the Journal of the the American Musicological Society. His area of expertise is 19th-century European music, and he has written extensively on Schubert, Beethoven and others.

"The disciplines that together constitute the Humanities and the Arts are at crossroads — at Stony Brook no less than at other

colleges and universities across the land," says Kramer. "The faculty must now engage in a difficult and searching process to determine how it can better seize the new modes of thought that are at once invigorating the disciplines and conspiring toward their reconfiguration, and at the same time continue to reaffirm those of the old verities that are fundamental to all scholarship and research."

Kramer continues, "The stringency of the current fiscal climate makes this task yet more critical. Humanities and Fine Arts is a rich division in the quality of its faculty — and here I would put emphases on the young faculty, those now on the cutting edge of research in their disciplines. My job, in a sentence, is to do what I can to guide this faculty toward a vision of the future, and to help it to act on that vision."

Joining Forces for Long Island Regional Development



Congressman George Hochbrueckner, left, President John H. Marburger, Lt. Governor Stan Lundine and Provost Tilden G. Edelstein joined university officials and Long Island business leaders for a discussion of Stony Brook's role in regional economic development. The meeting took place August 28 at the university.

Editor of *Monthly Memo* and *New*: Vicky Katz, and Dan Forbush

A Center to Fight Pain

"Disability is more than just an inability to lift. Many people come into treatment feeling like failures."

—Dr. Rollin Gallagher

Railroad employees, truck drivers and health professionals are among the dozens of injured people who have returned to their jobs pain-free or able to manage their discomfort, thanks to a back-to-work program at Stony Brook's Comprehensive Pain and Rehabilitation Center.

The interdisciplinary program includes medication, physical therapy, occupational therapy, vocational rehabilitation counseling, behavioral medicine, psychiatry and orthopedic medicine.

About 75 percent of those who come to the center hold jobs requiring strenuous physical activity, including elevator installers, mechanics, plumbers and delivery workers. The other 25 percent include office workers, nurses, airline ticket agents and emergency medical technicians.

The most common ailment is back pain, but patients also come for shoulder, knee and neck pain, carpal tunnel syndrome and other orthopedic-related problems.

When a patient enters the program — which runs four to 12 weeks, depending on the problem — he or she is examined and evaluated by several specialists. Physical therapists concentrate on muscle strength, flexibility, endurance and posture. Occupational therapists conduct a job-site analysis, measuring the worker's physical tasks and then simulating those tasks at the center, breaking them into manageable components.

A mechanic, for instance, may need to learn how to lift an engine. He may also be taught how to pick up a laundry basket or lift a child from a playpen.

Elizabeth Chiariello, occupational therapist and program coordinator, taught an airline ticket agent how to lift heavy suitcases and a produce manager how to lift and arrange produce on a supermarket shelf.

Medical and psychological evaluation is provided by Dr. Rollin Gallagher, program director and pain medicine specialist with a background in family practice, consultation psychiatry and behavioral medicine. Gallagher, associate professor of psychiatry, supervises the integration and multidisciplinary-team approach; provides medication for

pain control; and, in coordination with Richard Friedman, Ph.D., behavioral psychologist, trains patients in pain management. Friedman, associate professor of psychiatry, also supervises biofeedback, weight management and other behavioral treatments important to pain rehabilitation.

"Disability is more than just an inability to lift," Gallagher says. "Many people come into treatment feeling like failures."

Sometimes patients have been unemployed for many months, even years. In addition to their work-related injuries, they usually develop physical problems such as loss of flexibility, muscle pain syndromes and poor posture. Psychological problems such as family stress and depression are also common complications. Gallagher points out that emotional problems result from the loss of gratification because patients no longer feel productive; many have gone from breadwinner to feeling like a burden. Patients and sometimes family members meet in weekly group sessions to learn new coping strategies.

Another service offered by the center is the diagnosis and treatment of spinal problems. Spinal specialist Dr. Ira Chernoff, assistant clinical professor of orthopedics, consults in these circumstances.

As for research, Gallagher and colleagues are investigating the causes of chronic pain; whether preoperative behavioral interventions improve operative outcome of low back surgery; the causal relationship between pain and depression; and clinical factors influencing pain perception.

"Imaging studies have advanced our ability to diagnose the initial causes of lower back pain," Gallagher says. "However, we need to know more about why certain persons —



Back in the driver's seat at the Comprehensive Pain and Rehabilitation Center.

about 10 percent of those initially injured — progress to disabling chronic pain, one of our most costly illnesses."

The center is also seeking new ways of helping clinicians and insurers get patients into programs earlier and more easily than is now possible.

"Often it takes a year or more for disabled patients to get the help they need — at taxpayers' expense in terms of unnecessary Workman's Compensation and clinical costs," notes Gallagher. He adds that the frustration felt by patients and doctors is shared by insurers, lawmakers and judges. "We all need to work together to solve this complex social and medical problem," he says.

If an injury occurs on the job, the treatment is paid for by Workman's Compensation carriers. Seventy percent of those who complete the program return to competitive employment.

One of the interesting aspects of the program is that each patient begins his or her visit by punching a time clock, since many who have been out of work for six months or longer aren't used to keeping appointments.

"Worker behaviors such as punctuality and attendance are stressed," Chiariello notes.

"This is like a job," adds Dawn Blatt, physical therapist and work-hardening specialist. "The goal is to foster independence."

The center — which at first glance resembles a health club with Nautilus machines and a pool — has a driving simulator, which measures the ability to tolerate constant road vibration, the use of foot pedals and steering wheel.

The center also has digging and hammering stations, overhead pulley, overhead bolt board for upper extremity endurance, a repetitive motion station, and a ladder. Inside a metal cabinet, Chiariello pulls out more "simulation therapy aides," including a 75-pound cement bag, paint brushes, dry walling equipment, plumbing pipes, woodworking kits, radiology film and a mailbag — all used to simulate job tasks.

Other components of the center include a pain management clinic for those suffering from cancer-related pain, non-cardiac chest pain and pain caused by neurological and muscular injury. A so-called "functional restoration program" helps senior citizens, housewives and others who have been injured, but do not have a return-to-work goal.

—Wendy Alpine

Borrowed Challenges: P.T. Students Cope for a Day

For the first time in his life, Thomas Nitti felt vulnerable and threatened.

Standing in the middle of Penn Station, this strapping young man with crutches and a hip-to-ankle brace felt he was easy prey for muggers. He hobbled his way to Madison Square Garden's Paramount Theater. When he arrived inside, he was met by what seemed to him an ominous sight: a swarm of people funneling onto a long escalator. When he asked a security guard whether there was an elevator he could use instead, the guard shrugged flippantly.

A few minutes before intermission of the James Taylor concert, he fumbled his way to the restroom, hoping to beat the crushing crowd. After the concert was over, he couldn't wait to remove his brace and discard the crutches. Thank God his disability was temporary, he thought.

Nitti used a leg brace for his project.

Others "pretend" they are blind, use wheelchairs or a prosthesis. It's all part of Janice Sniffen's class, "Foundations of Physical Therapy," an exercise she uses to sensitize physical therapy students to what it feels like to be a disabled person and, in doing so, become better practitioners.



Physical therapy student Susan Dunleavy walks the cafeteria line with her "borrowed" disability, a prosthetic foot.

"It's to give students an appreciation of the architectural barriers, their own attitudes and feelings toward the disabled, the reactions of other people and the amount of time and energy spent in getting around and accomplishing simple tasks," she notes.

The project is not mandatory. Students may choose instead to put on a skit that explores physical therapy, write poetry about disabilities or interview a disabled person. Most of the students choose to simulate a disability.

"The common feeling among the students is that they are aware that this is temporary," notes Sniffen, clinical assistant professor of physical therapy. "The disability is inconvenient, but they have the power to end it after a certain number of hours. The disabled don't have that option."

Tom recalls feeling "guilty" that it was only temporary, knowing at the end of the night it would be over.

He began his trip into the world of the disabled riding in his friend's car. He recalls the difficulty in finding a comfortable position and how his leg kept falling asleep. Once in Manhattan, he felt "scared" as if he could be "an easy target for some kind of crime." Everyday activities we take for granted, seemed insurmountable.

"I realized that in crossing the street, I only had a certain amount of time. Cars were turning every way. No one seemed worried about me on crutches," he recalls.

He noticed people staring at him, wondering whether he had a fake leg or trying to figure out what was wrong. Searching people's faces, he connected with an older woman who, he says, gave him a warm smile, as though she understood what he was going through. He was also struck by a street beggar who asked his able-bodied friend for money, but not him. In the theater, he found people helpful — opening doors and helping him to his seat.

He says the amount of energy expended seemed double the normal amount. "I couldn't wait to take the brace off," he says. The day after, he had back pain from shifting his weight and his arms ached from holding the crutches.

Tom — a senior who wants to pursue geriatric physical therapy and plans to enter a Ph.D. program next fall — would recommend the program to anyone interested in a career in the health sciences.

Says Tom, "It definitely is a true lesson in empathy."

Susan Dunleavy, another student, chose to wear a prosthetic foot because she is interested in caring for amputees. "I found it difficult to get around, and the attention was kind of annoying after a while. People were friendly, but sometimes they were too helpful. Most amputees wouldn't attract that much attention, because it's almost impossible to tell they are wearing a prosthesis. My experience was closer to what someone would go through when they're first trying to get used to it."

—Wendy Alpine

Some Work, Others Labor

Health Sciences writer Wendy Alpine "Walks a Mile with a Nurse"

I chose the Labor and Delivery Unit, partly, because I'm curious: I don't have any children yet, but one day I will. Also, being a medical writer, I wanted to add to my arsenal of knowledge. I've observed open-heart surgery before, so why not the birth of a baby?

"Do you have a strong stomach?" asks Nurse Clinician Jeannette Whallen, welcoming me to the unit. After changing into scrubs, I begin my shift at 8:00 a.m., trailing Nurse Clinician Christine Keitel like a puppy. I am paired with Keitel for the "Walk A Mile With A Nurse" program. Offered for the first time last spring, the program aims to familiarize non-nursing personnel with the nursing profession and to point out that there's more to nursing than the Florence Nightingale image. "L and D," however, is more high-touch than high-tech. Also on hand is Cheryl Bailey, a registered nurse with the unit for more than six years.

First, we check on a 30-year-old woman in the recovery room who was admitted the night before because of premature labor.

"You don't look happy," Keitel says in an empathetic tone, asking if she could adjust the woman's pillow to make her more comfortable.

Keitel checks the baby's heart rate on a fetal monitor and the mother's blood pressure, lungs and reflexes. The woman is subsequently checked every 15 minutes because she is on a magnesium drug that stops contractions. She is 33 weeks pregnant; normal gestation is 38 to 42 weeks.

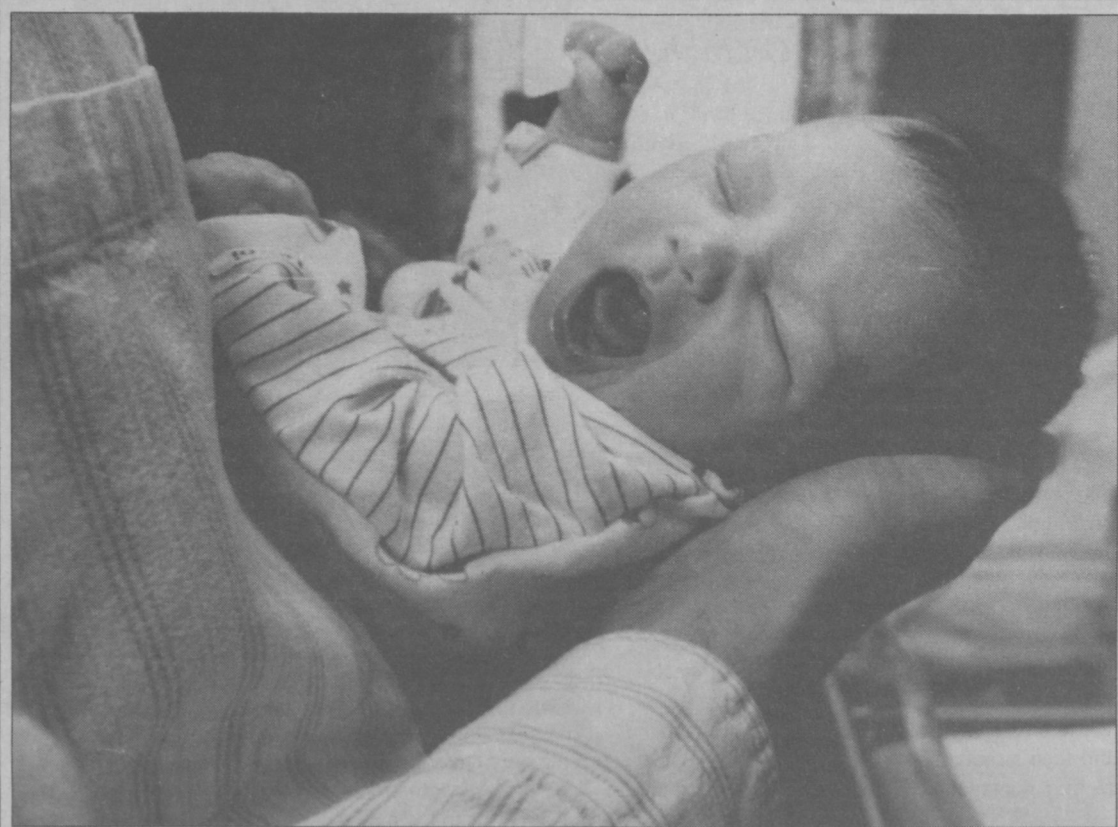
Next, we cross over to Mod G, the obstetrics triage area, where a thin, 19-year-old woman had come in because of cramps. She has been followed by doctors at the Coram Health Center, a hospital clinical affiliate. Keitel does a nursing assessment, asking questions about her health and pregnancy, and calls Dr. Gerry Siegel, chief obstetrics and gynecology resident, who performs an ultrasound and pelvic exam.

"You can see the head," Siegel says, pointing to the ultrasound screen, which also reveals a higher than usual amount of amniotic fluid. Siegel decides to admit the woman.

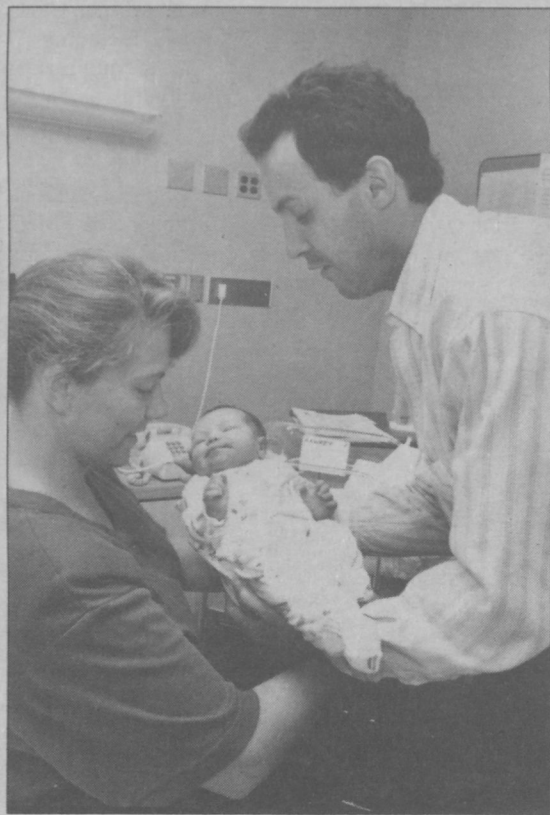
Next, we enter one of the six labor rooms to check on one of Keitel's patients: a 28-year-old woman who is 40 weeks pregnant and was admitted the night before, after she "broke her water." Her husband is dozing in a nearby chair. In another room, a 17-year-old girl who didn't know she was pregnant is laboring. Her boyfriend, who looks barely old enough to shave, appears scared as he watches over her or waits outside her door.

I wonder when I'll see a delivery, and then, it is time. In one of three delivery rooms, a 20-year-old woman sits upright as a medical resident, supervised by anesthesiology fellow Dr. John Marty, prepares to give her spinal anesthesia. The baby, the woman's first, is in the breech position, with its buttocks presenting first.

"First you're going to feel some burning, then some pressure," Marty says, laying his hand on her shoulder. The woman



Kenneth Austen Hawrey at four days old. He weighed in at 12.5 pounds and was delivered by Cesarean section. PHOTOS BY MAXINE HICKS



Laura and Ken Hawrey hold baby Kenneth.



Health sciences writer Wendy Alpine talks with labor and delivery nurse Cheryl Bailey.



All dressed up and ready to go: two nurses introduce Wendy Alpine to the delivery room equipment and procedures.

clutches a tiny Teddy bear and winces, as the needle sinks in.

Chief obstetrics anesthesiologist Dr. Alan Santos enters the room to lighten the mood and make sure things are going smoothly. "How are you feeling?" he asks the woman. "Don't worry, you won't feel a thing."

Enter Drs. Siegel and Richard Latta, obstetrics and gynecology fellow, scrubbed, hands dripping. After wiping their hands with a blue surgical towel, scrub nurse Robin Seigmund gowns and gloves the doctors who can't touch anything that might not be sterile. Circulating nurse Caroline Hock ties the gowns and counts the instruments.

Latta makes a seven-inch incision, cutting through layers of fat, muscle and connective tissue. He reaches the peritoneum cavity and cuts away the bladder from the uterus. As they cut through the uterus, suddenly, a tiny purplish human form appears, legs first, looking more like a frog than a baby. Doctors continue carefully pulling the baby out, but the head gets stuck in a uterine contraction. With a little more cutting, the baby appears. It weighs 3.7 pounds.

"It's a girl. You have a baby girl," Santos calls out to the new mother. The woman's husband, who has been in the delivery room the whole time, strokes his wife's matted hair and gives her a soft kiss on the cheek.

In the far corner of the room, a nurse cleans the baby, while a neonatologist gives her oxygen through a small tube placed near her nose. Minutes later, donning a small, striped cap, the baby girl is placed in an incubator and wheeled into the neonatal intensive care unit. She is healthy, but very small.

About ten minutes later, a nurse yells "STAT" (emergency), and a woman is rushed in for an emergency Cesarean section, blood all over the sheets. Her placenta has separated from her uterus, and the fetus is in distress.

In a matter of seconds, doctors and nurses set up for surgery. No time for spinal anesthesia. This woman gets general anesthesia, and in two minutes the baby is out. It, too, is a girl. It looks healthy, weighing five pounds, two ounces.

By now, it is about 11:30 a.m. and nearing the end of my shift. I still haven't seen a vaginal delivery. The nurses say there may be two this afternoon, but I can't stay. I have to go back to my computer and write the story.

On the unit, work and labor continue. "This is a big challenge," says Bailey. "We do pre-term labor, surgery, high-risk obstetrics, and cardiac care — a little bit of everything. I really like working in this unit. It's fun."

After filling out an evaluation of the program, I change into my civilian clothes. They feel formal, less hands-on.

As I wave good-bye to the nurses and thank them for their time, they invite me to return to the unit.

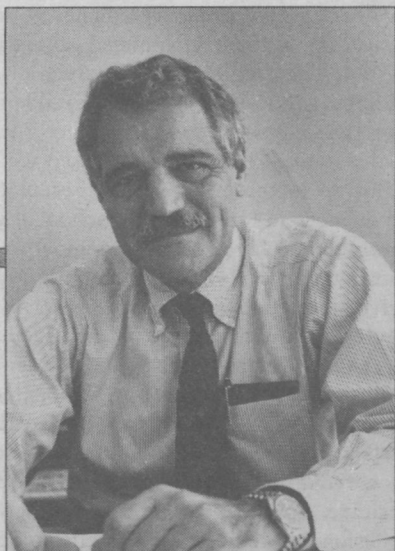
I think I'll take them up on that someday.

By Wendy Alpine

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TRAINING THE NEXT GENERATION OF PHYSICIANS TO BE HUMANISTIC HEALERS

Changes in the School of Medicine promote more sensitive, socially responsible doctors



Dr. Jordan Cohen

"Medical education is not just learning the knowledge and skills needed to become an expert physician. Future physicians also need to learn what is known as 'professionalism': the relationship between medicine and society."

— Dr. Jordan Cohen



High school students get hands-on experience in the laboratory of Dr. Patricia Molina, assistant professor of surgery. From left: Alisha Griffith, Molina, and Paula Arputhasamy. PHOTOS BY MAXINE RICKS

Each fall, students from the School of Medicine travel to Long Island high schools to teach teenagers about AIDS prevention.

In health, gym or science classes, the students engage teens in a ratings game to help clarify risk factors for contracting AIDS. After the teens rate various behaviors from low to high risk, the medical students analyze their decisions and clear up misconceptions.

"The teachers tell us that their students are more willing to ask us questions than to ask them," says Susan Bostwick, a former program director who is now a fourth-year medical student. "The high school kids seem to have respect for us as medical students."

The AIDS outreach program is among several community projects medical students are involved in, and one example of how Stony Brook's medical school is training students to become better physicians.

"Since the medical school's inception and increasingly today, we have stressed the concept that medical education should include community involvement," says Medical School Dean Dr. Jordan Cohen. "Medical education is not just learning the knowledge and skills needed to become an expert physician. Future physicians also need to learn what is known as 'professionalism': the relationship between medicine and society."

"The medical profession has come under a great deal of criticism — and I think with good reason — because of its appearing not to be in the service of the public," Cohen adds. "I think it is important for future physicians to have a historical and philosophical basis on which to build their professional relationships with their patients and society. This includes learning about conflicts of interest, humanistic qualities, putting the interests of the public over self-interest and the cost of medical care."

One way students are learning about these issues is through a new course, "Medicine in Contemporary Society," in which first- and second-year students discuss topics such as medical ethics, the high cost of health care and the doctor-patient relationship. The course is part of the curriculum changes — introduced more than two years ago under the direction of Cohen — which are fast placing Stony Brook among the leaders in medical education.

Another course, "Introduction to Clinical Medicine," also offered in the first year, gives students hands-on experience in taking patient histories and performing medical examinations. It also teaches what most people take for granted: how to communicate.

"We don't assume that good communication skills are a natural attribute of people," notes course director Dr. Lawrence Smith, associate professor in the Department of Medicine. "You can teach students how to be sympathetic, how to break bad news, and be interested in, and concerned about patients."

Other changes include streamlining and integrating basic science courses to reduce information overload, as in the course, "Molecules, Genes and Cells." Team teaching courses to avoid duplication, small classes to emphasize active learning, and emphasis on problem-solving techniques, independent learning and computer-assisted instruction all help improve the medical students' experience.

Besides the progressive curriculum, other characteristics make the medical school attractive to students. For one, it is young — only 21 years old and more open to change than a school with a long tradition. It also is relatively small — 100 students per entering class — which lends itself to a community environment. Faculty seek student input on curriculum modifications and other matters.

The school has added new departments and divisions in Emergency Medicine, Dermatology, Otolaryngology (Ear, Nose and Throat Surgery) and Geriatric Medicine. New faculty and chairmen also have been brought in, infusing "fresh ideas, new energy and increased morale," notes the dean. Over the past three years, new chairs have been appointed to 12 of the 24 School of Medicine departments, because of the creation of new departments, faculty retirements and normal turnover.

The school is part of a larger health-care community, the Health Sciences Center, which also houses the Schools of Nursing, Allied Health Professions and Social Welfare. The School of Dental Medicine, also part of the HSC, is on South Campus, but its students participate in many of the same classes as medical students.

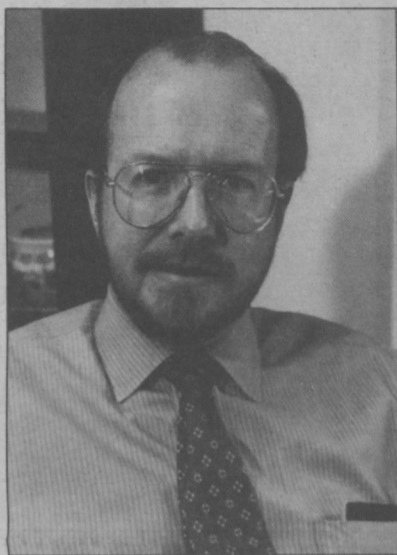
The 504-bed University Hospital, Suffolk County's only tertiary-care facility, is just an elevator ride away from the medical school, connected by interior "bridges" between the two buildings.

"University Hospital and the School of Medicine are seamless operations," the dean notes. "Our ability to do coordinated planning and share resources gives us tremendous strength and advantage over many schools that do not have the benefit of a hospital that is as intimately interrelated as ours is."

As evidence, about 340 full-time clinical faculty members care for 80 percent of UH patients. The rest of the patients are admitted by community physicians, who are on the clinical faculty.

University Hospital is the centerpiece of clinical teaching for third- and fourth-year medical students, but they also train at several affiliated institutions. And more than 450 residents and fellows in the hospital's 37 postgraduate programs teach medical students, deliver care and participate in research programs.

The Medical School also has a strong clinical and biomedical research mission, with multidisciplinary programs in cancer, AIDS, diabetes, Alzheimer's disease, Lyme disease and other areas. Clinical research includes testing new patient therapies



Dr. Craig Malbon

and diagnostic methods; basic research involves studying the causes and mechanisms of disease at the cellular and molecular level.

Researchers include members of the National Academy of Sciences, the Royal Society of London, the Howard Hughes Medical Institute and recipients of the prized MacArthur Foundation "genius" awards. Howard Hughes Investigator Paul Adams is studying the electrical properties of nerve cells and brain chemicals — research that may eventually lead to understanding disorders such as Alzheimer's disease. MacArthur Foundation award-winner John Fleagle — an internationally recognized paleoanthropologist — recently returned from Ethiopia, where he discovered three-million-year-old teeth that may belong to our oldest known ancestors.

The research programs are funded by the National Institutes of Health and other outside sources. Despite an increasingly restrictive NIH budget, Stony Brook's research funding has increased 10 percent over the last three years, with expenditures for externally sponsored projects totalling over \$40 million annually.

In a short period, USB scientists have made major medical contributions. Most recently, a team headed by Microbiology Chair Dr. Eckard Wimmer synthesized polio virus in the test tube, the first time that an entire virus has been created outside of living cells. The work is expected to provide scientists with new tools to study viruses, including the common cold.

In another recent accomplishment, the school became the thirty-first institution nationwide to receive a highly competitive, five-year grant from the National Institutes of Health to fund 10 additional M.D./Ph.D. students. The Medical Scientist Training Program (MSTP) will permit the school to increase the number of M.D./Ph.D. students to as many as 30 at the end of five years. Until now, the program was funded entirely by institutional resources.

"This award is a clear sign that we've reached a high level of development in our research programs," notes Dr. Craig Malbon, associate dean for biomedical sciences, who recently returned from the Republic of China on a Sino-American mission to foster cooperative research between the United States and the Pacific Rim.

Malbon, who submits that Stony Brook is better known in Riverside, California, than in Riverhead, New York, says that the MSTP program and others "contribute to the excellent reputation of Stony Brook as a major biomedical research facility."

Another program aimed at training future faculty and research scientists is the M.D. with Distinction in Research program. Funded with institutional sources since 1982, it enables 15 to 20 students per year to spend the summer between the first and second years and an additional four months during the fourth year to pursue research projects in the laboratories of Stony Brook faculty.

Projects run the gamut from Lyme disease to surgical research. Last year, then fourth-year medical student Fred Feuerbach, working in the laboratory of Dr. Deborah French, assistant professor of pathology, used a new technology to make human monoclonal antibodies to platelet-surface proteins. The ultimate goal was to make antibodies that would inhibit clot formation in cardiac disease.

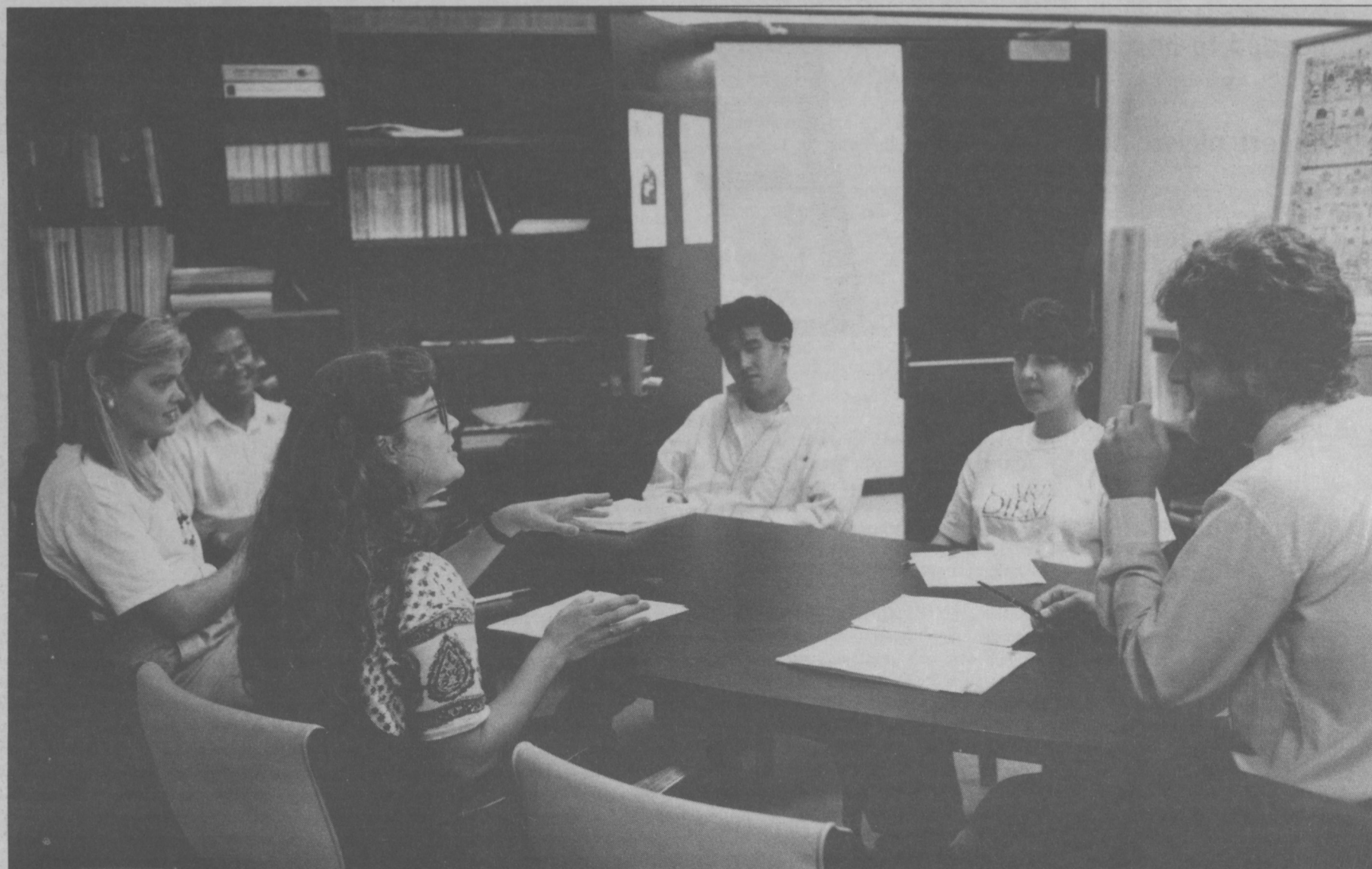
The school also offers a "Scholars in Medicine" program in which a select group of undergraduates with excellent academic standing receive guaranteed admission to the medical school. The program relieves them of taking the Medical College Admission Test (MCAT) and of extensive interviewing, leaving them free to pursue other areas of interest, such as research or community service.

In an effort to increase minority representation in the biomedical sciences and medicine, the school offers several outreach programs to high school and undergraduate students. Among them is a six-week summer program designed to give high school teachers and minority students a chance to get hands-on experience in scientific research. In its second year, the Minority High School Student Research Apprentice Program — supported by a National Institutes of Health grant — allows 20 students and four teachers from the Long Island/New York City area to work closely with Stony Brook faculty from the Schools of Medicine and Dental Medicine. Another program called TEAM (Toward Early Admission to Medical School) allows 35 minority high school students to study math, science and medicine over the summer and during the academic year.

Despite operating under great fiscal constraint, which has delayed recruiting new faculty and developing new programs, the school's programs in research, clinical care and community-outreach have continued to grow.

Says Cohen: "In a very short time and with hard work, Stony Brook has evolved into a major clinical and biomedical research center. It's clear that we're well on the road to realizing our fullest potential."

By Wendy Alpine



Curt Naser, associate director of the Institute for Medicine in Contemporary Society, leads medical students in a small-group discussion on medical ethics.

MSRC Tests Ash-Cement Mix for Environmental Benefits

Scientists at the Waste Management Institute, located at the Marine Sciences Research Center, are evaluating a technology that could benefit the environment and save Long Islanders money.

Institute personnel are testing a method, developed and patented by Rolite, Inc. of Pennsylvania, for mixing cement with ash produced by solid waste combustion. The Town of Islip has proposed using Rolite's ash-cement mix to help close its Blydenburgh landfill. The material would be used to create a "gas venting layer," a porous cap that would close the landfill while allowing gases to come through.

"We've been asked to look at the long-term physical and chemical behavior of the Rolite processed ash in order to evaluate its suitability for use in the Islip landfill," said WMI research professor Frank Roethel, who is working on the project. "If it meets certain performance criteria, then it's a beneficial use of this artificial aggregate."

Using the material in this way could also save money, says Roethel. The ash in Rolite's mix originates at the Islip Resource Recovery facility. Earmarking it for manufacture of the gas-venting layer means that Long Islanders won't have to pay the costs of shipping the ash outside the region for disposal. Returning the ash to its source would save Islip the cost of the natural aggregate it would otherwise purchase to close the landfill. "It holds the cost down from both ends," Roethel notes.

In WMI's laboratories on campus, researchers will subject different batches of Rolite's ash-cement aggregate to a number of simulated conditions to determine how well the material holds up. "We will look at how permeable it is, and at how it might change as a function of time and weather," Roethel explains. Scientists will also travel to Rolite's processing facility to examine how the processing method alters the physical and chemical properties of the aggregate. WMI scientists will study other possible applications for the material as well, including how well the Rolite mix would function in cement blocks and poured concrete for use in curbs, sidewalks and road barriers.

The study is being conducted with a one-year, \$125,000 contract from Rolite. Larry Swanson, WMI director, is principal investigator on the project.

Looking at the Ozone Hole From Way Down Under

Autumn may be here, but it's spring for Robert deZafra. The professor of physics is winding up a two-month stay at McMurdo Station in Antarctica, where it's currently springtime. While there he has been studying the development of the Antarctic "ozone hole."

deZafra has been accompanied by Stony Brook graduate student Louisa Emmons, postdoctoral researcher Michael Reeves and technician Curtis Trimble.

Before leaving for the frozen south, deZafra was elected to the International Ozone Commission, a subunit of the International Association of Meteorology and Atmospheric Physics.



A worker shovels the ash-cement mix being tested at the Waste Management Institute on campus.

High Ratings in Molecular Biology, Genetics Citations

The impact of USB's research in molecular biology and genetics was measured in a recent study conducted by the Institute of Scientific Information in Philadelphia. The study examined the number of citations received by each paper published, for all institutions publishing 200 or more papers in molecular biology and genetics, from 1981-1991.

Stony Brook ranked twenty-eighth worldwide out of 50 research institutions selected as leaders in molecular biology, measured by citation impact, with a score of 18.59 citations-per-paper. The university ranked thirteenth nationally in the "research institutions" category — and fifth in the "public institutions" category.

The results of the survey, which covered 70 journals devoted to molecular biology and genetics, were reported in the May issue of *Science Watch*. The study also noted that USB papers in molecular biology and genetics were cited 8,283 times during the last decade.

Texas Commission Awards SSC Grant

Assistant professor Mohammad Mohammadi was awarded a one-year, \$100,000 grant by the Texas National Research Laboratory Commission for work related to the Superconducting Super Collider (SSC). Since 1990, the commission has awarded more than \$28 million in research and development grants to institutions participating in SSC-related projects.

Principal investigator Mohammadi will collaborate on the Stony Brook SSC work with Associate Professor of Physics Michael Rijssenbeck and Research Assistant Professor Chiaki Yanagisawa, also of the Department of Physics.

The funding will allow the researchers to study the properties of muon tracking devices for the Super Collider's GEM (Gamma, Electrons, Muons) detector. Muons are

elusive, subatomic particles that exist for a fraction of a second after a particle collision. The GEM detector will record the speeds, directions and types of all subatomic particles resulting from high-energy proton collisions at the underground SSC facility.

Mohammadi and colleagues will develop prototypes of muon chambers to be used in the GEM detector and will test them at the CERN laboratory in Geneva. The Stony Brook team will collaborate on the project with researchers from Brookhaven National Laboratory, Louisiana State University and Boston University.

Professor of Physics Michael Marx is also working on the GEM project, as deputy head of its muon systems group. He will serve in that capacity at the SSC site near Dallas/Fort Worth until the end of this academic year.

Meteorites Sprayed Earth in 1800s, says ESS Professor

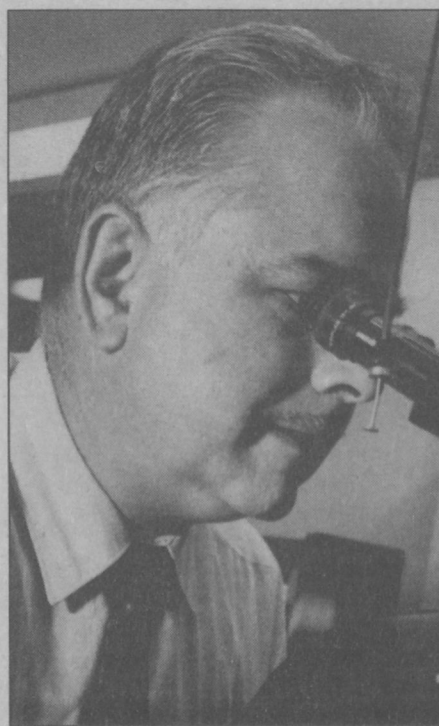
Robert Dodd has challenged the conventional wisdom that meteorites approach the earth at random and strike our planet at various times throughout the year.

Dodd, professor of earth and space sciences, studied historical records of meteorite "falls" that occurred during the 1800s. The records revealed an unusually high concentration of meteorites during a two-week period in mid-May, from 1855 to 1895. The objects were "H chondrites," one of the most common types of meteorites, says Dodd. "They are very close to the composition of the sun, with all the gas let out of it."

Working with Dodd, chemists at Purdue University analyzed the meteorites that fell during the period Dodd studied. They found that these meteorites differed chemically from other H chondrites, and that the objects had their own distinct composition. The information supported Dodd's proposal that the meteorites he studied were fragments of one asteroid, "possibly Anteros, which is closest to the earth on May 20."

The ability to identify meteorites that once traveled together in space "promises fresh insights on the sources and origin of meteorites, and on the way in which these objects are delivered to the earth," Dodd says. "Meteorite streams also bear on the frequency of impacts like the one — or ones — that killed dinosaurs and many other life forms 65 million years ago."

He and the Purdue scientists presented their results before the Meteoritical Society at a meeting held in Copenhagen this summer.



Robert Dodd takes a look at meteorite fragments that may have originated on the asteroid Anteros.

PEOPLE

Daniel R. Strongin, assistant professor of chemistry, has received a 1992 National Science Foundation Young Investigator Award. The awards support the research and teaching careers of outstanding new faculty, and enhance cooperation between academia and industry.

Strongin will receive a base grant of \$25,000 per year for the next five years. NSF will also match whatever industrial funding he attracts, up to a total of \$100,000 per year.

Strongin's research involves chemical reactions on solid surfaces. He has been on the Stony Brook faculty for two years.

Edwin H. Battley, associate professor of ecology and evolution, gave the plenary lecture at the biennial meeting of the International Society for Biological Calorimetry held in Fiskebackskill, Sweden. The topic of his lecture was "The Thermodynamics of Growth of *Escherichia coli* K-12." He has recently been elected to the governing board of the society, which is devoted to the study of biological calorimetry and thermodynamics.



Barbara Bentley

Barbara Bentley, professor of ecology and evolution, has returned from serving as a Distinguished Research Fellow at the Bodega Marine Laboratory, affiliated with the University of California/Davis. She has been awarded a five-year, \$250,000 grant through the combined auspices of the U.S. Department of Agriculture, National Science Foundation and U.S. Department of Energy. Bentley will use the grant to develop a series of workshops on the effects of global climate change, for researchers doing field work at the Bodega lab.

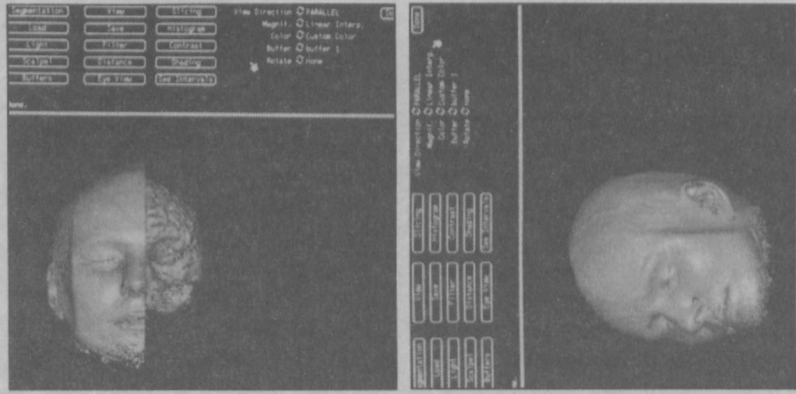
Naomi Gerstel has joined the Institute for Social Analysis as a National Science Foundation Visiting Professor. She will use her expertise in family support networks and the sociology of the family to assist with ISA's homelessness project.

Donna Gaines has also arrived at the ISA this semester as a research assistant professor. She studies the changing cultural dynamics of suburban life.

Matthew Jacobson, who joined the Department of History this semester as an assistant professor, has been awarded the Ralph H. Gabriel Dissertation Prize of the American Studies Association. The \$500 prize is awarded annually for the best dissertation of the year in American Studies.

Three Stony Brook faculty members participated in the Second International Conference on Global History, "Global Civilization and Local Cultures," held at Technical University in Darmstadt, Germany. Professor of History **Wolf Schafer** was a conference organizer and presented the event's opening statement. Professor of History **Herman Lebovics** served as a commentator during one of the conference sessions, and Professor of Sociology **Ian Roxborough** presented a paper.

Editor of Research: Sue Risoli



This reconstructed MRI image of a human head, partially opened to reveal the brain on the left, was created in the computer visualization laboratory, now seeking to be named a new Center for Advanced Technology.

Aiming for New Advanced Technology Centers

Proposals to establish two new Centers for Advanced Technology (CAT) at Stony Brook and renew funding for the Center for Biotechnology were submitted recently to the New York State Science and Technology Foundation.

The new proposals are for centers focusing on automated design of electronic circuits and systems, based in the Department of Electrical Engineering, and visual and multimedia computing, based in the Department of Computer Science.

The request for renewal for the Center for Biotechnology, currently under the leadership of Acting Director Glenn Prestwich, is necessary because the 10-year designation of the six original CAT centers expires in 1993.

Stony Brook's CAT proposals are among 16 submitted to the foundation from univer-

sities around the state, including the SUNY at Albany, Binghamton and Buffalo.

The new proposals come as the foundation prepares for a restructuring of the program. The foundation now funds nine centers, each designed to support university-industry collaborations in technologies important to the state's economic development.

However, with most of the CATs up for renewal, the foundation has decided to change the way centers are designated. Instead of the foundation presenting a list of critical technologies, each institution will propose one or more centers in any of four broad categories: materials/processing, engineering/manufacturing, electronics, and information.

Site visits will take place December through January, and the new CAT centers will be announced in the spring.

Patent Awarded for USB Genetic Research

A patent for a widely used genetic technology discovered by a former Stony Brook researcher has just been awarded to the SUNY Research Foundation.

The patent is for an "antisense" technology developed at Stony Brook by Masayori Inouye, former chair of the Department of Biochemistry. Exclusive rights to the technology belong to Enzo Biochem of Farmingdale. According to financial experts, the technology should enable the company to improve on its sporadic performance of the past few years.

The antisense technology involves regulating a cell with a gene specifically constructed to control the function of another gene in that cell. The technology, currently being used throughout the world, has broad applications in agriculture and medicine.

Inouye, who joined Stony Brook in 1971, served as biochemistry chair from 1981 until he resigned in 1987.

Training Community Leaders at CED

A new "Community Leadership Seminar," designed to stimulate participation and leadership in community affairs, will begin this month at the School of Continuing Education (CED).

The series, a five-week program held Wednesdays, 6-7:30 p.m., beginning October 14, will be offered free to Long Islanders interested in community service. The program is conducted by CED Dean Paul Edelson and sponsored by CED under a grant from the Topsfield Foundation, an organization dedicated to improving the quality of public life in America.

Nurturing Science Students

More than 500 Long Island high school students are expected on campus this fall for a series of four daylong briefings designed to help them prepare for the Westinghouse Talent Search and other science competitions.

Now in their fifth year, the briefings are part of USB's Student Research Support Program, under the direction of the Center for Science, Mathematics and Technology Education (CSMTE).

Last year's top Westinghouse winner — the first Long Islander to win the award in 45 years — conducted research under the auspices of CSMTE. In addition, five of the 60 students named to USA Today's 1992 "All USA High School Academic Team" took part in the student research program.

Each of this year's briefings will cover one of the disciplines represented in major competitions. The briefings feature faculty talks, student presentations, lab visits and a telephone hotline, allowing students to keep in touch with university researchers throughout the academic year.

The briefings will be held in the Stony Brook Union from 10 a.m. to 2 p.m. as follows: biological sciences, October 1; physical sciences, October 15; mathematics/engineering, October 29; and social sciences, November 12.

Students attending the program are selected by their high schools, with each school invited to send up to seven students to each briefing. The Student Research Support Program is sponsored by CSMTE and the Center for Excellence and Innovation in Education.

...And Business Leaders

A group of budding high school and college entrepreneurs learned the basics of starting a small business at a Young Entrepreneurs

Seminar sponsored last month by the Small Business Development Center (SBDC) at the Harriman School for Management and Policy.

Led by SBDC staff members Lucille Wesnofske and James Dunn, the seminar provided an overview of what business people should know when starting out. Topics included business planning, small business loans, and assessment of entrepreneurial personality traits.

Dislocated Workers Update Skills

A professional development program, designed to help Long Island's dislocated workers update the skills needed in today's competitive workplace, began last month at the School of Continuing Education (CED).

The program, a custom-designed combination of the school's ongoing courses, is funded by the Suffolk County Department of Labor for qualified applicants.

The program has two components: PC and professional development training. The PC training consists of required courses in PCs, DOS, WordPerfect 5.1, and Lotus 3.0. Optional courses include Pagemaker, advanced Lotus and dBase.

The professional development training includes required courses in office technology, "packaging the person," writing skills, intercultural communications and public speaking. Optional courses include total quality management, supervisory effectiveness, customer service, training program design, and finance and business planning.



Suffolk County Executive Robert Gaffney meets with Lucille Oddo, executive director of Stony Brook Child Care Services, Inc., at the recent accreditation ceremony.

Campus Child Care Centers Celebrate National Status

The four child care centers at the university recently celebrated their official accreditation from the National Academy of Early Childhood Programs.

Stony Brook Child Care Services, Inc., which operates the centers, is the first program in Suffolk County to receive the designation. It is among 1,800 child care programs in the nation (out of 70,000 licensed programs) to be accredited by the academy.

The USB centers serve 100 children, ranging in age from two months to five years.

The National Academy of Early Childhood Programs was launched in 1985 by the National Association for the Education of Young Children, an organization of early childhood professionals.

In order to earn accreditation, child care centers must meet criteria in staff training, staff-to-children ratios, compliance with health and safety standards, and opportunities for parent involvement. USB's accreditation was achieved after a two-year self-study, site visit by members of the academy, and review by a three-member commission.

Suffolk County Executive Robert Gaffney and U.S. Representative George Hochbrueckner spoke at the recognition ceremony, held at the child care centers.

PEOPLE

Eli Seifman, director of the Center for Excellence and Innovation in Education, was awarded the 1992 Dante Medal by the Long Island chapter of the American Association of Teachers of Italian (AATI).



The award recognizes Seifman's outstanding contribution to the promotion and study of the Italian language and culture. Previous recipients include Governor Mario Cuomo and state Senator Kenneth LaValle.

Seifman has collaborated with both AATI and the Long Island Center for Italian Studies on numerous projects designed to support the language in public schools.

Roger Wunderlich, research assistant professor of history, was a panelist at Hofstra University's First International Conference on F. Scott Fitzgerald, held last month. Wunderlich, editor of the history department's *Long Island Historical Journal*, discussed "The Great Gatsby as Long Island History."

Wunderlich's recent book, *Low Living and High Thinking at Modern Times, New York* (Syracuse University Press), has been nominated for the 1993 Frederick Jackson Turner Book Award. The award, sponsored by the Organization of American Historians, honors exceptional writing on pioneer America. Wunderlich's book profiles a libertarian community that flourished in what is now Brentwood.

Ann-Marie Scheidt, assistant provost for regional development, has been elected vice chair of the board of directors of the Suffolk Community Development Corporation, the largest private not-for-profit housing agency on Long Island. Now in its twenty-third year, the corporation seeks to increase affordable housing in the region.

Harriman Professor Gerrit Wolf has been awarded a Fulbright grant to serve in the Alexander Hamilton Chair of Entrepreneurship at the University of Budapest, formerly Karl Marx University.

Wolf is one of approximately 1,800 U.S. grantees who will travel abroad for the 1992-93 academic year on the Fulbright program. Established in 1946 under congressional legislation introduced by former Senator J. William Fulbright of Arkansas, the program is designed "to increase mutual understanding between the people of the United States and the people of other countries."

Grantees are selected on the basis of academic and professional qualifications along with their willingness to share ideas with people of diverse cultures.

Wolf will spend from January to June in Hungary, teaching at the university and conducting programs with the business community.

Editor of Region: Carole Volkman

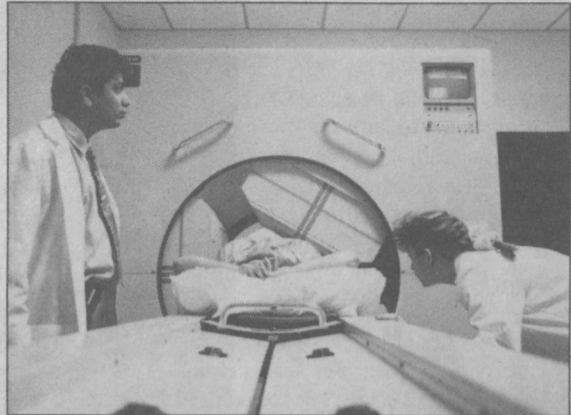
State-of-the-Art Imaging Equipment Arrives

University Hospital has purchased a new gamma camera that will help doctors better diagnose and treat stroke, heart disease, cancer and other disorders.

The Trionix Triple-Headed Gamma camera takes three-dimensional pictures of the brain, heart and other organs, letting doctors diagnose disorders earlier than with other imaging devices and in less than half the time of conventional gamma cameras: eight to 12 minutes, compared to 30 minutes with single-headed cameras.

The machine uses three cameras simultaneously to image the body from different angles, using radioisotopes, or radioactive tracers, injected into the body which "light up" organs to detect disease.

Dr. Zvi Oster, radiologist and professor of radiology in the Division of Nuclear Medicine, says gamma cameras give physiological information — determining how organs function or whether a tumor is malignant —



Dr. Kalani Shanshyam (left) and student technician Corinne Matassa (right) of nuclear Medicine Monitor a patient in the Gamma camera.

compared to CAT scans, which are better at diagnosing structural abnormalities.

This camera diagnoses early strokes when other imaging techniques show brain tissue to be normal, enables the physician to predict the degree of recovery after stroke, helps detect epilepsy and distinguish Alzheimer's from other brain abnormalities, allows faster and better stress imaging of the heart, and helps in better defining bone cancer.

Walk Right in: New Ambulatory Care Center

The Health Sciences Center's planned ambulatory care teaching center cleared a major hurdle this past summer when Governor Mario Cuomo signed into law a bill authorizing its construction on the Stony Brook campus, the first major expansion for the HSC since the opening of University Hospital in 1980.

The center, estimated to cost approximately \$30 million, will be the first of its kind in the SUNY system. It is expected to occupy 150,000-200,000 square feet and serve up to 250,000 outpatients a year. About 300 members of the School of Medicine's clinical faculty will provide patient care and clinical instruction.

Special legislation was required to approve a unique financing plan that may serve as a model for other health science centers. The project will be financed with tax-exempt bonds issued by the state Dormitory Authority, repaid with revenues generated by the expanded patient-care activities made possible by the facility. The center is expected to generate hundreds of construction jobs and \$17 million in revenues a year, according to Assemblyman Steve Englebright (D-East Setauket).

School of Medicine Dean Dr. Jordan Cohen says that the center will provide the surroundings essential to train doctors for the next century and offer state-of-the-art care for area residents.

Dentists Funded to Treat AIDS Patients

The U.S. Department of Health and Human Services has renewed an \$88,686 grant to the School of Dental Medicine for treatment of children and adults with AIDS.

With the funding, the Dental School can increase the number of faculty and staff who treat HIV-positive patients and cut the waiting list for HIV-positive adults from six months to a few weeks. More than 100 adults and 90 children are currently being treated at Stony Brook.

The grant is authorized under Title II of the Ryan White Comprehensive AIDS Resources Emergency (CARE) Act of 1990, part of \$95.2 million awarded nationwide to

provide health care and support services for people with AIDS and HIV infection.

Dr. Edward Schlissel, grant project director and associate dean for clinical affairs, says HIV-positive patients have a much greater risk of gum and soft tissue disease than non-infected people and are more susceptible to viral and bacterial infections. Many develop canker sores or ulcers in the mouth, cheeks, lips or gums that prevent them from eating. They may also develop a yeast infection on the tongue or in the throat known as "thrush," which can be devastating to these patients, Schlissel says, because of their suppressed immune systems.

Dr. Fred Ferguson, associate professor in the Department of Children's Dentistry, says preventive care is one of the most important goals of the program for children.

"If there's one thing these kids can control, it is their oral health," he says.

Ferguson and Barbara Berentsen, dental hygienist and pediatric coordinator, work closely with Dr. Sharon Nachman of the Pediatric Infectious Diseases Division in caring for the children.

Dr. Debra Cinotti, a 1982 School of Dental Medicine alumna and recently hired clinical assistant professor of dental medicine, works closely with Dr. Roy Steigbigel, head of Infectious Diseases, and other doctors in treating adults with AIDS.

Clinic hours are Tuesday and Thursday afternoons and evenings for adults and Tuesday mornings for children. Treatment is provided at University Hospital.

New Faculty Joins Emergency Medicine

The Department of Emergency Medicine recently named four new faculty members: Drs. Judd Hollander, Mary Jo Morgenstern, Premakumar Chinniah and Jeanne Alicandro.

Dr. Hollander, clinical instructor, was chief resident of emergency medicine at Jacobi Hospital in the Bronx before coming to Stony Brook. He received his medical degree from New York University and completed residency training at Washington University's Barnes Hospital in St. Louis, and Jacobi Hospital. His research interests include the effects of cocaine on the heart.

Dr. Morgenstern, clinical assistant pro-

fessor, served as an attending emergency medicine physician at Booth Memorial Hospital in Manhattan. She received her medical degree from New York Medical College in Valhalla and completed residency training at UCLA-Harbor Hospital in Torrance, California, and Lincoln Medical and Mental Health Center in the Bronx. A fellow of the American College of Emergency Physicians, she is board certified in emergency medicine. From 1989 to July 1992, she was a voluntary faculty member at Stony Brook.

Dr. Chinniah, clinical assistant professor, was in private practice and worked part time as an Emergency Department attending physician at the Alta District Hospital in Dinuba, California. He is board certified in emergency medicine, internal medicine, critical care medicine, pulmonary medicine and geriatrics. He received his medical degree from the University of Ceylon in Sri Lanka, where he completed an internship. He also completed an internship, residency training and a fellowship at Booth Memorial Hospital.

Dr. Alicandro, an attending physician at University Hospital from 1983 to 1988, returns to the Emergency Medicine Department as a clinical assistant professor. She has worked at Santa Monica Hospital in California and Northern Illinois Medical Center, McHenry, Illinois. She received her medical degree from Northwestern University, Chicago, and completed residency training at the University of Maryland Hospital, Baltimore.

In other news, Dr. Daniel Ferrara, who had been a voluntary faculty member for the past two years, was recently appointed clinical assistant professor.

Training Nurses and Medical/Surgical Techs

To help alleviate the shortage of nurses and medical and surgical technicians, the Schools of Nursing and Allied Health Professions have developed special programs.

The School of Nursing has enrolled 16 students in a one-year, accelerated baccalaureate-degree program in nursing for students who already hold a B.A. or B.S. in another discipline. Students in the program have backgrounds including accounting, psychology, cartography and music. When the training is completed, students are eligible to take the National Collegiate Licensing Examination.

The Nursing School also has begun training for surgical technologists.

The nine-month certificate program, whose first class of 18 students graduates in December, provides training in "scrubbing" and "circulating" in the operating room. Scrubbing involves working in the sterile field handing instruments to the surgeon. Circulating entails passing instruments into and removing specimens out of the sterile field.

The course combines classroom work with three months of clinical experience in participating operating rooms. Other hospitals in the program include Huntington, St. Charles, Mather, Southside and Brookhaven Hospitals. Prerequisites include a high school diploma and the Nurse Entrance Test. The next class begins October 5.

The course was organized by representatives of cooperating hospital operating room nurses and nursing faculty. Patricia Long, clinical associate professor, is faculty coordinator, and Jean Lewis, operating room nurse, is the OR educator responsible for the program.

Also aimed at meeting the demand for technicians is a 24-month training program for radiation therapy technologists organized by the School of Allied Health Professions, in cooperation with Northport's Veterans Affairs Hospital. The program is expected to enroll seven students, who will take classes at Northport VA and do clinical work at University Hospital and other Long Island hospitals. David Labelle, radiation therapist at University Hospital, is the program director.

PEOPLE



Dr. John Dervan, assistant professor of medicine, has been elected president of the Suffolk Region of the American Heart Association. Dr. Dervan has been a member of the board of directors since 1988 and recently served as a vice president. He is director of interventional cardiology and the cardiac catheterization laboratory at University Hospital. His research interests include the interaction between coronary collateral blood flow and invasive and non-invasive assessment of ventricular function and compliance.

Dr. Suzanne Fields has been named to the newly created position of director of the Division of Geriatric Medicine in the Department of General Medicine.

She plans to set up a geriatric outpatient evaluation unit, a geriatric primary care unit and a geriatric inpatient consultation service at University Hospital by the fall.

Prior to coming to Stony Brook, Dr. Fields was chief of the Section of Geriatric Medicine and associate attending in the Department of Medicine at St. Vincent's Hospital and Medical Center in Manhattan. She also was an assistant attending physician at Mount Sinai Medical Center from 1985 to 1989.

She is a fellow of the American College of Physicians and the New York Academy of Medicine, and a member of the American Geriatrics Society.

She received her medical degree from the University of Connecticut School of Medicine in Farmington, and completed residency training at Waterbury Hospital in Connecticut, where she was chief medical resident. She completed a Kaiser Fellowship in General Internal Medicine at New York Hospital-Cornell University Center.

Dr. Lauren V. Ackerman, professor of pathology, has been awarded the 1992 Prix de Paris for his work at the Institute Roussy in Paris. While at the institute last fall, Ackerman was a visiting professor in the Pathology Department, carrying out research on various types of cancer, mostly cancers of the bone and breast. He returned to the institute in August for a four-month stay for further study and teaching.

Michael J. Cortegiano has been appointed administrative officer of the Department of Radiology.

Prior to coming to Stony Brook, Cortegiano was director of information systems at St. Charles Hospital in Port Jefferson. Before that, he was chief financial officer and director of finance and planning at Catholic Charities, Diocese of Rockville Center.

Cortegiano is also adjunct assistant professor at Polytechnic University's Graduate School of Management, Farmingdale, and a finance committee member of Little Flower Children's Services in Riverhead. He is a member of the Healthcare Financial Management Association, the Radiology Business Management Association and the Medical Group Management Association.

Editor of Health Sciences: Wendy Alpine

Conference on Human Evolution Coming Here

A symposium, "Recent Advances in Human Evolution," will be held Saturday, October 17, from 1:30 p.m. - 4 p.m. in the Earth and Space Sciences Lecture Hall.

The conference, free and open to the public, is in conjunction with the 1992 annual meeting of the L.S.B. Leakey Foundation, scheduled for October 16 at Stony Brook. Founded in 1968 in the spirit of Louis S.B. Leakey — one of the century's great anthropologists — the foundation has funded projects in over 100 countries to further research into human origins, behavior and survival.

The symposium is sponsored by the Departments of Anatomical Sciences and Anthropology. Dr. John Fleagle, professor of anatomical sciences and member of the foundation's scientific executive committee, will present welcoming remarks.

Speakers and their topics: Randall Susman, professor of anatomical sciences, "African Ape Behavior and Human Evolution"; Dr. Russell Ciochon, associate professor of anthropology and pediatric dentistry at the University of Iowa, "Paleoanthropology of Karst Caves in China and Vietnam"; Curtis Marean, assistant professor of anthropology, "Experimental Taphonomy and Early Hominid Behavior"; and Frederick Grine, associate professor of anthropology and anatomical sciences, "Recent Developments in Hominid Paleontology."

Ciochon will also present a lecture, "Paleontological Field Work in China and Vietnam," Thursday, October 15, at noon in the Anatomical Sciences Seminar Room, Health Sciences Center, Level 8, Room 025.

USB Distributes Funds Raised By AIDS Quilt Project

A total of \$9,419 raised by the display of the NAMES Project AIDS Memorial Quilt at Stony Brook last spring, were distributed to five beneficiary organizations: People With AIDS Coalition of Long Island, the AIDS Treatment Center of University Hospital, Long Island Association for AIDS care, Little Flower Children's Service and Catholic Charities Parish Outreach.

More than 6,000 people attended the quilt display, held March 31-April 2 in the Indoor Sports Complex. The event was the first major display of the quilt on Long Island and the largest in the New York City area in three years. The 1,320 panels displayed are part of the full quilt, which includes 21,000 panels.



MAXINE HICKS
Father Charles McCarran of Catholic Charities Parish Outreach, a beneficiary of the AIDS Memorial Quilt fundraiser, speaks with Dallas Bauman, assistant vice president for Campus Residences.

Stony Brook Camerata Conquers Europe with Song

The Stony Brook Camerata Singers performed for standing-room-only audiences in Belgium and the Netherlands in August.

"The tour was wildly successful," said Timothy Mount, associate professor of music and director of the Camerata Singers.

"The inspiration for the tour was an invitation to perform at the international Early Music Festival in Utrecht," he says. With the assistance of former doctoral candidate Marga Schoutens, a native of the Netherlands, Mount was able to schedule an "Artists' Mass" in the St. Corolus Borromeus church in Antwerp, a performance in the Orangerie of the Rozendaal Castle, and other significant engagements.

Japanese Novelist Teaches At Stony Brook this Fall

Award-winning Japanese novelist and social critic Makoto Oda, whose highly acclaimed 1989 novel, *The Bomb*, was published in America to rave reviews, will teach a course in modern Japanese literature beginning this month.

The course, offered Wednesdays, 6:30 to 9:30 p.m., will be among the scholarly activities of the author, who will serve as a visiting professor at USB during the 1992-93 academic year. Oda will also present a series of lectures while at the university.

A prolific novelist and essayist as well as one of Japan's leading antiwar activists, Oda has published 15 books and numerous articles for the *London Times*, *Neue Rundschau* and other publications. His stay at Stony Brook is sponsored by the Japan Foundation and the Office of the Provost.

Earth and Space Inaugurates Geosciences Program

A new undergraduate program in environmental geosciences began this fall in the Department of Earth and Space Sciences.

The program, leading to a bachelor's degree in geology, combines traditional topics in the geological sciences with specialized courses related to the environment. An introductory laboratory in environmental geology will be a required lower-division course, and classes in groundwater hydrology and geochemistry of surficial processes will be added to the upper-division curriculum.

"Most of the employment in geosciences on Long Island and throughout the country is in environmental geology," says Department Chair Gilbert N. Hanson. "Most experts expect that this career opportunity will continue into the future."

According to Undergraduate Studies Director Scott McLennan, undergraduate research opportunities in environmental geography, including a groundwater project at the Pine Barrens, will be available.

Employee Activities Presents Disney World by Train

University Hospital Human Resources is organizing a trip for employees of Stony Brook. The destination is Disney World and the time is President's Week, 1993: February 13-20. The six-day, five-night excursion includes roundtrip transportation on Amtrak, accommodations in the Lake Buena Vista Days Inn Resort, shuttle service between the hotel and Disney World, taxes and tips. Double room rates are \$395 per person. For additional rates, travel times and further information, call Alice Kuhn at 732-2738, after 5 p.m.

Attention, All Anniversary Year Employees!

Plans are being made for the 1992 Service Awards Ceremony honoring those employees who have worked at the university for 35, 30, 25 and 20 years. Time spent on the research payroll is included. If this is an anniversary year for you, please contact Victoria McLaughlin at Human Resources, 632-6158, to confirm that your name is on the correct list.

Conference on Columbus

The Center for Italian Studies will host a two-day symposium, "Columbus: Meeting of Cultures," on Friday, October 16, and Saturday, October 17, in the Alliance Room of the Frank Melville, Jr., Memorial Library.

Speakers include 14 scholars on Columbus from around the United States and Italy, including Professor Djelal Kadir, University of Oklahoma, who will talk on "Columbus and Our Culture Wars." Professor Ann Paolucci, St. John's University, will speak on "The Ironies of the Columbus Story"; Professor Alice Kehoe of Marquette University, on "The American World Columbus Met"; Professor Richard Gambino, Queens College (CUNY) on "Columbus' Historical Significance."

The symposium will meet from 2:30 p.m.-5:30 p.m. on Friday and from 9:00 a.m.-3:30 p.m. on Saturday. Admission is free. Call 632-7444 or 632-7440 for information.

Special Olympics, October 18

Suffolk County Special Olympics will hold its seventh annual Fall Games on campus, Sunday, October 18. Approximately 2,500 people are expected to attend. Students, faculty and staff who would like to assist on that day are asked to call Nancy Mariano at 928-4489.

Public Forum: Choices and Uses of Pain Killers

The University Hospital Auxiliary will sponsor a free public program, "The Pain Killers," on Tuesday, October 20, in Lecture Hall 6, Level 3, of the Health Sciences Center. Four speakers from the Department of Anesthesiology's Chronic Pain Clinic will present a program from noon-1:30 p.m.

Participants will be Dr. Farrokh R. Maneksha, director of the clinic; Dr. Steven J. Littman; Dr. Kenneth Leung; and Julie Schuermann, R.N. Topics include chronic and acute pain, cancer-related pain, and treatments such as biofeedback and acupuncture.

Native American Author To Give Distinguished Lecture

Louise Erdrich, Native American author of *Tracks*, *Love Medicine* and, with Michael Dorris, *The Crown of Columbus*, will deliver a Distinguished Lecture on Thursday, October 22, at 8:00 p.m. in the Recital Hall, Staller Center for the Arts.

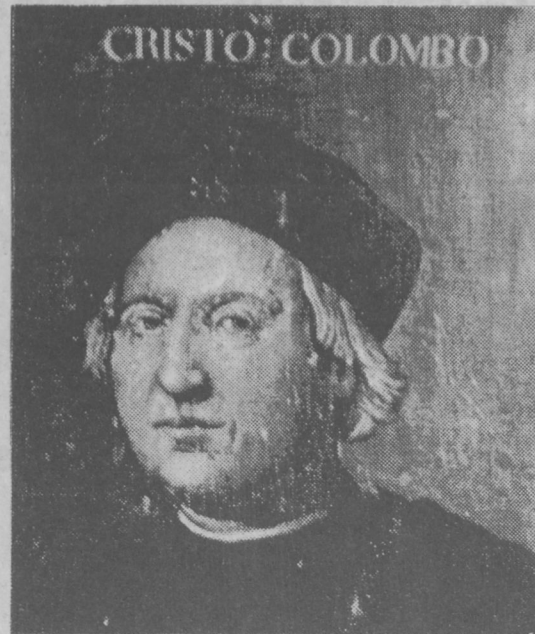
The lecture is titled, "Getting Real: The New Capitalism and Our Emotional Role."

The Distinguished Lecture Series is sponsored by the Office of the Provost and *Newsday*.

Commercial Driver Training Program

The Department of Parking and Transportation Services offers a commercial driver training program approved by the N.Y. State Department of Motor Vehicles, designed for students and approved New York State staff. The program provides the necessary technical and practical experience to pass the class "B" or "C" commercial drivers license examinations. Except for DMV fees and fingerprinting, the course is offered free of charge through Eileen Saylor, senior instructor. Students who successfully complete the course qualify for part-time employment as campus bus drivers.

Call 632-6424 for more information.



Humanities Institute Update

Nancy Armstrong, professor at Brown University, will speak on "Foucault and the Problem of Modern Nationality," on Thursday, October 15, at 3:30 p.m. in Room 4341 of the Frank Melville, Jr. Memorial Library. A reception will follow.

Edward Said, professor of English at Columbia University, will speak on "The Eighteenth Century in Opera," on Friday, October 16, 8:30 p.m., in the Recital Hall of the Staller Center for the Arts. Said will be a four-day fellow at the Humanities Institute, and his visit is in conjunction with "The World(s) of the Eighteenth Century" conference, organized by the Northeast American Society for Eighteenth Century Studies.

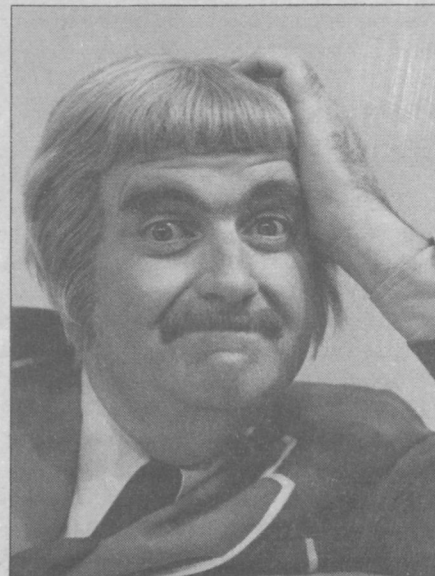
"Imag(in)ing Virginia Woolf," will be presented by Brenda Silver, professor of English at Dartmouth College, on Tuesday, October 27, at 4:30 p.m. in Room 4341 of the Frank Melville, Jr. Memorial Library. This is the opening event of the Interdisciplinary Feminist Studies Colloquium Series.

Captain Kangaroo Visits WUSB-FM

Long Island resident Bob Keeshan, better known as Captain Kangaroo, will talk about his Emmy and Peabody Award-winning career in children's television on Wednesday, October 21, at 2:00 p.m. on the locally produced radio show, *Mike Palmer's Entertainment*, broadcast from Stony Brook over the campus radio station, WUSB 90.1 FM.

Keeshan, whose programs are still shown on public television, was first seen as Clarabell the clown on *The Howdy Doody Show* in 1948.

Mike Palmer's Entertainment, now in its seventh year on WUSB, welcomes celebrity guests every Wednesday afternoon. Upcoming are Steve Allen, Phyllis Diller, Bob Hope and Robert Stack.



Bob Keeshan, a.k.a. Captain Kangaroo

OCTOBER 1

THURSDAY

Flea Market. This FSA-sponsored market is open every Thursday. 8:30 a.m.-4:30 p.m. Stony Brook Union Bi-level. Call Michele Liebowitz to confirm, 632-6514.

USB's Student Research Support Program, "Fifth Annual Long Island High School Science Competition Workshop." Sponsored by the Center for Science, Mathematics and Technology Education. 10:00 a.m.-2:00 p.m. Features biological sciences. For information, call 632-7075.

Vintage Clothing Sale. 10:00 a.m.-5:00 p.m. Sponsored by Stony Brook Union & Activities. Fireside Lounge, Stony Brook Union. Call 632-6822.

Hospital Chaplaincy Interfaith Prayer Service. Noon. Level 5, Chapel, Health Sciences Center. Call 632-6562. Every Thursday.

University Hospital and the American Cancer Society, "Look Good, Feel Better Program" for women undergoing cancer treatment to develop skills to improve their appearance and their self-image. 1:00-3:00 p.m. 15th Floor Conference Room, University Hospital. Free parking; validate at meeting. Call 444-2880.

Cancer Support Group for Patients, Family and Friends. Sponsored by University Hospital and the American Cancer Society. 4:00-5:30 p.m. Level 5, University Hospital, Physical Therapy Department. Free parking; validate at meeting. Call 444-1727. EVERY THURSDAY.

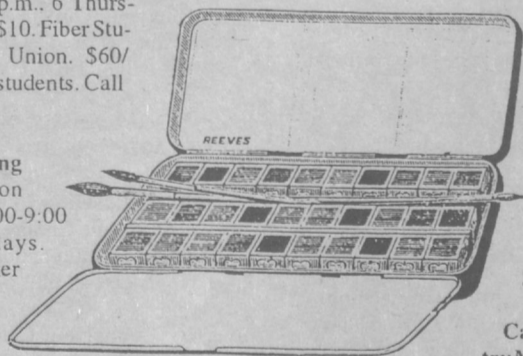
Basic Photography, Union Crafts Center. 7:00-9:00 p.m., 6 Thursdays. Photo Lab, Stony Brook Union. \$85/students; \$100/non-students. To register, call 632-6822/6828.

Pottery Making II, Union Crafts Center. 7:00-9:00 p.m., 8 Thursdays. Previous wheel experience required. SB Union Crafts Center. \$85/students, \$105/non-students; includes clay, firing and Membership. Call 632-6822/6828.

Quilting, Union Crafts Center. Basic techniques of patchwork. 7:00-9:00 p.m., 6 Thursdays. Materials fee \$10. Fiber Studio, Stony Brook Union. \$55/students; \$65/non-students. Call 632-6822/6828.

Silkscreen Printing, Union Crafts Center. 7:00-9:00 p.m., 6 Thursdays. Materials fee \$10. Fiber Studio, Stony Brook Union. \$60/students; \$75/non-students. Call 632-6822/6828.

Watercolor Painting - All Levels, Union Crafts Center., 7:00-9:00 p.m., 8 Thursdays. Room 4222, Staller Center for the Arts. \$70/students; \$85/non-students. Call 632-6822/6828.



Prepared Childbirth Courses. Lamaze refresher course, classes in preparation and Caesarian section birth, newborn care and preparation for breast-feeding. 7:30-9:30 p.m. (varies). To register, call 444-2729. Every Thursday.

OCTOBER 2

FRIDAY

Catholic Mass. Noon. Level 5, Chapel, Health Sciences Center. Call 444-2836. Every Friday.

Soccer vs. Dowling. 3:30 p.m. Athletic Field. Call 632-7200.

Human Resources Employee Activities Council Trip, "Jelly's Last Jam." 3:45 p.m.,

Administration Building Loop. \$70/front mezzanine seat and bus fare. Call 632-6136.

B'nai B'rith Hillel Foundation Services. 6:00 p.m. Roth Quad Dining Hall, lower level. Call 632-6565. Every Friday.

Non-instructional Figure Drawing, Union Crafts Center. Practice from a live model. 7:30-9:30 p.m. Union Crafts Center. \$4. Call 632-6822. Every Friday.

Stony Brook Fencing Club. 8:00-10:00 p.m. Main arena, Indoor Sports Complex. Call 585-8006. Every Friday.

OCTOBER 3

SATURDAY

B'nai B'rith Hillel Foundation. Shabbat Shuvah. 9:30 a.m., Conservative and Orthodox services. Roth Cafeteria. 2nd Floor. Call 632-6565.

Pottery Making I, Union Crafts Center. 10:15 a.m.-12:15 p.m., 8 Saturdays. SB Union Crafts Center. \$85/students, \$105/non-students; includes 25lbs. of clay, tools, firing and Membership. Call 632-6822/6828.

Women's Volleyball vs. Kean. Noon. Indoor Sports Complex. Call 632-7200.

Football vs. Sacred Heart. 1:00 p.m. Athletic Field. Call 632-7200.

Women's Volleyball Alumni Game. 2:00 p.m. Indoor Sports Complex. Call 632-7200.

Women's Soccer Holiday Inn Express Invitational. St. Bonaventure vs. Villanova, Noon; Stony Brook vs. Maine, 2:30 p.m. Athletic Field. Call 632-7200.

Staller Center Presentation, "Ballet Hispanico." 8:00 p.m. Tina Ramirez, director. Main Stage, Staller Center for the Arts. \$22; \$20; children 12 and under/half price. Call 632-7230.

OCTOBER 4

SUNDAY

Women's Soccer Holiday Inn Express Invitational. Third place game, noon; championship game, 2:00 p.m. Athletic Field. Call 632-7200.

Prepared Childbirth Courses. Lamaze refresher course, classes in preparation and Caesarian section birth, newborn care and preparation for breast-feeding. 3:30-5:30 p.m. To register, call 444-2729. Every Sunday.

Catholic Campus Ministry Mass. 5:00 and 9:00 p.m. Peace Studies Center. Old Chemistry. Call 632-6562. Every Sunday.

OCTOBER 5

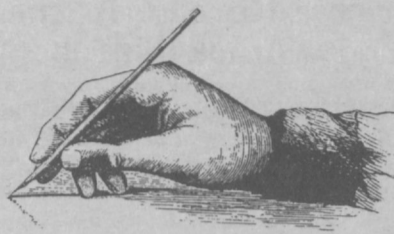
MONDAY

Flea Market. This FSA-sponsored market is open every Monday. 8:30 a.m.-4:30 p.m. Stony Brook Union Bi-level. Call Michele Liebowitz to confirm, 632-6514.

USB's Seventh Annual Colloquium on Human Diseases, "AIDS: Molecular Medicine and Prospects of Control." 9:00 a.m.-5:00 p.m. Cosponsored by the Department of Microbiology and the School of Medicine. Level 2, Lecture Hall 1, Health Sciences Center. To register, call 632-8800.

Catholic Mass. Noon. Level 5, Chapel, Health Sciences Center. Call 444-2836. Every Monday.

University Counseling Center Group Shop Workshop, "Study Skills." Workshop I. Noon-1:15 p.m. Free. To register, call 632-6715.



Writers Club Meeting. 2:00 p.m. Poetry Center, Room 239 Humanities. Peer Group Workshop follows (bring 5 copies of your poems for critique). Poetry Series on Video also follows meeting. Free. Call 632-0596. Every Monday.

Basic Photography, Union Crafts Center. 7:00-9:00 p.m., 6 Mondays. Photo Lab, Stony Brook Union. \$85/students; \$100/non-students. To register, call 632-6822/6828.

Self-Defense (Men and Women), Union Crafts Center. Novice to advanced. 7:00-9:00 p.m., 5 Mondays. Room 036, Stony Brook Union lower Bi-level. \$35/students; \$45/non-students. Call 632-6822/6828.

Wine Appreciation, Union Crafts Center. 7:00-9:00 p.m., 5 Mondays. Materials fee \$15. Crafts Center. \$55/students; \$65/non-students. Call 632-6822/6828.

Prepared Childbirth Courses. Lamaze refresher course, classes in preparation and Caesarian section birth, newborn care and preparation for breast-feeding. 7:30-9:30 p.m. (varies). To register, call 444-2729. Every Monday.

Village Cinema Film Series, The Defiant Ones. 8:00 p.m. Two escaped convicts shackled together are forced to come to terms with racism (1958, black & white, 97 min.). Theatre Three, 412 Main St., Port Jefferson. \$4; \$3.50/students, seniors and members of the Arts Council. (Cosponsored by the Humanities Institute, the Greater Port Jefferson Arts Council, and Theatre Three.) Call 632-7765, 928-9100, or 473-0136.

OCTOBER 6

TUESDAY

No classes after 4:30 p.m.

Catholic Mass. Noon. Level 5, Chapel, Health Sciences Center. Call 444-2836. Every Tuesday.

University Hospital Diabetes Support Group. 1:00 p.m. Conference Room 084, 12th Floor, University Hospital. Call 444-1202. Every Tuesday.

Farmer's Market. This FSA-sponsored farmer's market offers fresh Long Island produce, herbs and plants. 3:00-6:30 p.m. North "P" Lot off the north entrance on Nicolls Road. Call Michele Liebowitz at 632-6514.

Protestant Ministries Worship, Meditation: Study & Practice. 4:00-5:00 p.m. Interfaith Lounge, 157 Humanities. Call 632-6563. Every Tuesday.

B'nai B'rith Hillel Foundation, Yom Kippur - Kol Nidre Service. Conservative service: 5:45 p.m., Stony Brook Union Ballroom; Orthodox service: 5:30 p.m., Roth Cafeteria. Call 632-6565.

Stony Brook Fencing Club. 8:00-10:00 p.m. Main arena, Indoor Sports Complex. Call 585-8006. Every Tuesday.

OCTOBER 7

WEDNESDAY

Yom Kippur; classes not in session.

B'nai B'rith Hillel Foundation, Yom Kippur, Morning Service. Conservative: 9:30 a.m., Stony Brook Union Ballroom; Orthodox: 8:30 a.m., Roth Cafeteria. Call 632-6565.

Catholic Mass. Noon. Level 5, Chapel, Health Sciences Center. Call 444-2836. Every Wednesday.

University Counseling Center Group Shop Workshop, "The Empty Nest: For Parents Whose Children Have Gone Off to College." 12:15-1:00 p.m.; second session, October 14. Free. To register, call 632-6715.

Soccer vs. New Paltz. 3:30 p.m. Athletic Field. Call 632-7200.

B'nai B'rith Hillel Foundation, Yom Kippur, Mincha: Ne'ilah. Conservative: 4:30 p.m., Stony Brook Union Ballroom; Orthodox: 4:30 p.m., Roth Cafeteria.

Cystic Fibrosis Support Group. 7:30 p.m. Department of Pediatrics Conference Room, Level T-11, Health Sciences Center. Call 757-5873 or 385-4254.

OCTOBER 8

THURSDAY

Humanities Institute Visiting Fellows Lecture Series, "Multicultural Differences: The Australian Context," Sneja Gunew, Deakin University, Geelong, Australia (Four Day Visiting Fellow). 4:30 p.m. Humanities Institute, Room E-4340, Library. Call 632-7765.

Department of Theatre Arts, M. Butterfly. 1988 Tony Award-winning play. 8:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

OCTOBER 9

FRIDAY

Women's Tennis vs. Dowling. 3:30 p.m. Tennis Courts. Call 632-7200.

Department of Theatre Arts, M. Butterfly. 8:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

OCTOBER 10

SATURDAY

B'nai B'rith Hillel Foundation Services. 9:30 a.m.; Orthodox service, Roth Quad Dining Hall, lower level; Conservative service, Roth Quad Dining Hall, 2nd floor. Call 632-6565. Every Saturday.

Men's & Women's Cross Country PAC Championships (at Sunken Meadow Park). 10:30 a.m. Call 632-7200.

Floor Loom Weaving I, Union Crafts Center. 10:30 a.m.-1:00 p.m., 8 Saturdays. \$10 materials fee. Fiber Studio, Stony Brook Union. \$85/students, \$95/non-students; includes Membership. Call 632-6822/6828.

Kayaking, Union Crafts Center. 7:00-9:00 p.m., 6 Saturdays. Pool, Indoor Sports Complex. \$170. Call 632-6822/6828.

Department of Theatre Arts, M. Butterfly. 8:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

Staller Center Special Attraction. "Italian National Opera Company." 8:00 p.m. A fully staged performance of Verdi's *Rigoletto* with a 40-piece orchestra. \$22; \$20; children 12 and under/half price. Call 632-7230.

OCTOBER 11

SUNDAY

Department of Theatre Arts. *M. Butterfly*. 2:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

OCTOBER 12

MONDAY

Columbus Day: classes in session.

Human Resources Employee Activities Council Trip, Matisse Exhibit. Museum of Modern Art. 8:45 a.m., Administration Loop. \$28/admission and bus. Call Lucille Meci at 2-8260.

OCTOBER 13

TUESDAY

Plant Sale. 10:00 a.m.-3:00 p.m. Sponsored by Student Union & Activities. Lobby, Stony Brook Union. Call 632-6822.

Farmer's Market. This FSA-sponsored farmer's market offers fresh Long Island produce, herbs and plants. 3:00-6:30 p.m. North "P" Lot off the north entrance on Nicolls Road. For further information, call Michele Liebowitz at 632-6514. Last day.

Humanities Institute Faculty Colloquium Series, "Tradition and Communal Politics in Africa," Femi Vaughan, assistant professor, Africana Studies. 4:30 p.m. Humanities Institute, Room E4340, Library. Call 632-7765.

University Counseling Center Group Shop Workshop, "Child Sexual Abuse Group." For Women Students Only. 5:15-6:30 p.m.; Tuesdays through December 1. Free. Call 632-6715.

T'ai-chi-ch'uan, Union Crafts Center. Ancient Chinese form of moving meditation. Section A: 7:00-8:30 p.m.; Section B: 8:30-10:00 p.m., 8 Tuesdays. Room 036, Stony Brook Union lower Bi-level. Call 632-6822/6828. \$45/students; \$60/non-students.

Drawing for All. Union Crafts Center. 7:00-9:00 p.m., 6 Tuesdays. Room 4222, Staller Center for the Arts. \$55/students; \$70/non-students. Call 632-6822/6828.

OCTOBER 14

WEDNESDAY

Department of Pediatrics/Family Medicine Grand Rounds. "Lung Transplantation." Dr. Mark Ginzberg, Columbia Presbyterian College of Physicians and Surgeons, N.Y. 8:00 a.m. Room to be announced. Call 4-2710.

Union Crafts Center Co-op Pottery Sale. 10:00 a.m.-3:00 p.m. Lobby, Stony Brook Union. Call 632-6822.

Plant Sale. 10:00 a.m.-3:00 p.m. Sponsored by Student Union & Activities. Lobby, Stony Brook Union. Call 632-6822.



University Counseling Center Group Shop Workshop, "Adult Children of Alcoholics Support Group." For Students Only. 1:00-2:00 p.m., Wednesdays through December 2. Free. To register, call 632-6715.

University Counseling Center Group Shop

Workshop, "Eating Concerns." For Students Only. 1:00-2:00 p.m.; Wednesdays through December 2. Free. To register, call 632-6715.

Women's Tennis vs. Hofstra. 3:30 p.m. Tennis Courts. Call 632-7200.

University Hospital Sibling Preparation Program. For expectant parents and siblings. 4:00-5:00 p.m. 9th Floor Conference Room, University Hospital. Call 444-2960.

University Counseling Center Group Shop Workshop, "Support Group for Survivors of Rape/Date Rape." For Women Only. 5:30-6:50 p.m., Tuesdays through December 1. Free. To register, call 632-6715.

Women's Volleyball vs. Hunter. 6:00 p.m. Indoor Sports Complex. Call 632-7200.

School of Continuing Education "Community Leadership Seminar Series." 6:00-7:30 p.m.; Wednesdays through November 18. Certificate awarded. Free. Registration limited. Call 632-7051.

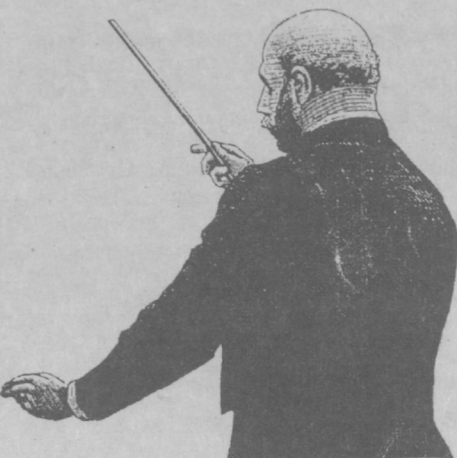
OCTOBER 15

THURSDAY

USB's Student Research Support Program, "Fifth Annual Long Island High School Science Competition Workshop." Sponsored by the Center for Science, Mathematics and Technology Education. 10:00 a.m.-2:00 p.m. Features physical sciences. For information, call 632-7075.

University Counseling Center Group Shop Workshop, "Study Skills." Workshop II. Noon-1:15 p.m. Free. To register, call 632-6715.

Women's Soccer vs. St. John's. 3:30 p.m. Athletic Field. Call 632-7200.



Department of Music. University Orchestra. 8:00 p.m. Features works of Tschaikovsky, Mozart, Doppler and Prokofiev. Main Stage, Staller Center for the Arts. Free. Call 632-7330.

Department of Theatre Arts. *M. Butterfly*. 1988 Tony Award-winning play. 8:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

OCTOBER 16

FRIDAY

Department of Theatre Arts. *M. Butterfly*. 8:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

Humanities Institute Visiting Fellows Lecture Series, "The Eighteenth Century in Opera," Edward Said, Columbia University (Four Day Visiting Fellow). 8:30 p.m. Recital Hall, Staller Center for the Arts. Call 632-7765.

OCTOBER 17

SATURDAY

The National Traffic Safety Institute's Defensive Driving Program. 9:00 a.m.-4:00 p.m. Earn a 10% discount on auto liability and collision insurance and up to 4 points off your driver's record. \$39. Sponsored by the School of Continuing Education. To register, call 632-7071.

University Counseling Center Group Shop Workshop. "Basics of Guitar Technique." 10:00 a.m.-noon; other sessions October 24 & 31. Free. To register, call 632-6715.

"Recent Advances in the Study of Human Evolution" Symposium. 1:30-4:00 p.m. Sponsored by the departments of Anatomical Sciences and Anthropology in conjunction with the annual meeting of The L.S.B. Leakey Foundation. Room 001. Earth and Space Sciences. Open to the public. Call 444-2350.

Women's Soccer vs. George Washington University. 3:30 p.m. Athletic Field. Call 632-7200.

Department of Music Series, Stony Brook Opera Ensemble. 8:00 p.m. Semi-staged performance of Haydn's comic opera *La canterina* (1767) and Georg Benda's melodrama *Medea* (1775). Recital Hall, Staller Center for the Arts. \$10; \$8/seniors & students. Call 632-7230.

Department of Theatre Arts. *M. Butterfly*. 8:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

OCTOBER 18

SUNDAY

Suffolk County Special Olympics, "Seventh Annual Fall Adapted Games." 9:30 a.m.-3:00 p.m. Indoor Sports Complex, University at Stony Brook. Free. Call 928-4489.

Department of Theatre Arts. *M. Butterfly*. 2:00 p.m. Theatre 2, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

OCTOBER 19

MONDAY

University Counseling Center Group Shop Workshop. "Introduction to Meditation." Noon-1:00 p.m.; second session, October 26. Free. To register, call 632-6715.

University Counseling Center Group Shop Workshop. "A Practical Approach to Understanding and Handling Test Anxiety." Noon-1:30 p.m. Free. To register, call 632-6715.

University Counseling Center Group Shop Workshop. "Stress Management: Relaxing the Mind and Body." Workshop I. Noon-1:30 p.m. Free. To register, call 632-6715.

Soccer vs. Manhattanville (Skyline Conference game). 3:00 p.m. Athletic Field. Call 632-7200.

University Counseling Center Group Shop Workshop. "Assertiveness Training." 3:00-4:30 p.m., Mondays: October 19 & 26. November 2 & 9. Free. To register, call 632-6715.

University Counseling Center Group Shop Workshop. "The Transition to Natural Foods." 6:00-7:30 p.m. Free. To register, call 632-6715.

Village Cinema Film Series, *Invasion of the Body Snatchers*. 8:00 p.m. People possessed by outerspace invaders (1956, black & white, 80 min.). Theatre Three, 412 Main St., Port Jefferson. \$4; \$3.50/students, seniors and members of the Arts Council. (Cosponsored by the Humanities Institute, the Greater Port Jefferson Arts Council, and Theatre Three.) Call 632-7765, 928-9100, or 473-0136.

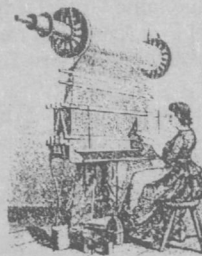
OCTOBER 20

TUESDAY

University Counseling Center Group Shop Workshop. "Study Skills." Workshop III. Noon-1:15 p.m. Free. To register, call 632-6715.

University Counseling Center Group Shop Workshop. "Effective Public Speaking." 6:00-7:30 p.m. Free. To register, call 632-6715.

The Guild Trio. "Bad Reviews." 5:00 p.m. Chamber music masterworks coupled with a humorous look at some of the flamboyant ridicule they endured from the critics of the day. Sponsored by the Institute for Medicine in Contemporary Society. Lecture Hall 2, Health Sciences Center. Call 444-2765.



Floor Loom Weaving I, Union Crafts Center. 7:00-9:30 p.m., 8 Tuesdays. \$10 materials fee. Fiber Studio, Stony Brook Union. \$85/students, \$95/non-students; includes Membership. Call 632-6822/6828.

OCTOBER 21

WEDNESDAY

Department of Pediatrics Grand Rounds. "RSV," Dr. Janet Englund, Baylor College of Medicine, Houston, Texas. 8:00 a.m. Level 3, Lecture Hall 6, Health Sciences Center. Call 632-2710.

University Counseling Center Group Shop Workshop. "Dealing Constructively with Anger." Noon-1:30 p.m. Free. To register, call 632-6715.

Homecoming Spirit Parade, 12:30 p.m. Academic Mall. Call 632-6330.

University Counseling Center Group Shop Workshop. "I Never Told Anyone." For Women Students Only. Child sexual abuse: confidentiality assured. 3:00-4:30 p.m. Free. To register, call 632-6715.

Soccer vs. Montclair State. 3:30 p.m. Athletic Field. Call 632-7200.

University Counseling Center Group Shop Workshop. "Adult Children of Alcoholics." 3:30-5:00 p.m. Participation is confidential. Free. To register, call 632-6715.

University Counseling Center Group Shop Workshop. "Alternative and Complementary Health Care." 7:00-9:00 p.m. Free. To register, call 632-6715.

Introduction to Bonsai. Union Crafts Center. 7:30-9:00 p.m. SB Union Crafts Center. \$3/students; \$5/non-students. Call 632-6822/6828.

OCTOBER 22

THURSDAY

University Distinguished Lecture Series. "Getting Real: the New Capitalism and our Emotional Role." Louise Erdrich, native American author. 8:00 p.m. Recital Hall, Staller Center for the Arts. Sponsored by the Office of the Provost and *Newsday*. Free and open to the public. Call 632-7000.

Tokyo Joe's. 9:00 p.m. Stony Brook Union Ballroom. Call 632-6330.

OCTOBER 23

FRIDAY

Live Local Bands, Bonfire. 5:00-7:00 p.m. Athletic Fields. Call 632-6330.

Homecoming ISCEvent TBA. 9:00 p.m. Sponsored by SAB Concerts. Indoor Sports Complex. For information, call 632-6330.

OCTOBER 24

SATURDAY

Alumni Welcome and Registration. 9:30 a.m.-2:00 p.m. Lobby, Stony Brook Union.

Distinguished Alumnus and Outstanding Professor Awards Presentation and Brunch. 10:00 a.m. University Club, 2nd Floor, Chemistry Building. Call 632-6330.

Campus Tours. 10:00 a.m.-2:00 p.m.; every hour on the hour. Lobby, Stony Brook Union.

Homecoming Parade. 10:30 a.m.-noon. Begins in Tabler Quad parking lot, concludes at Patriot Field. Call 632-6330.

First Annual Homecoming Best Tailgate Party Contest. 11:30 a.m. Winners announced at halftime. North "P" lot. Call 632-6330.

Football vs. Kings Point (Freedom Football Conference game). 1:00 p.m. Athletic Field. Call 632-7200.

Homecoming Reunions: fraternities, sororities, clubs, organizations, and alumni classes. 1:00-4:00 p.m. Tents near Patriot Field. Call 632-6330.

First Annual Flag Football Alumni Game. 4:00-5:00 p.m. Call 632-9271.

All-Campus Barbecue. 5:00-7:00 p.m. Athletic Fields. Call 632-6330.

Alumni Reunion Dinner Dance, Classes of '67, '72, '77 and '82. 7:00 p.m.-midnight. Ballroom, Stony Brook Union. Call 632-6330.

Alumni Reunion for Class of '87. 8:00 p.m. End of the Bridge Restaurant, Stony Brook Union. Call 632-6330.

Staller Center Presentation, "The Canadian Brass." 8:00 pm. Works by Peter Schickele, Pachebel and Jelly Roll Morton. Main Stage, Staller Center for the Arts. \$22; \$20; children 12 and under half price. Call 632-7230.

Homecoming ISC Event, Comedian - Billy Conley (TV series *Head of the Class*). 9:00 p.m. Indoor Sports Complex. Call 632-6330.

OCTOBER 25

SUNDAY



Registration for "Reunion 5K Run for Scholarships." 9:00 a.m. Lobby, Indoor Sports Complex. Call 632-6330.

Walkers and Physically Challenged race starts. 9:45 a.m.

Runners race starts. 10:00 a.m.

Homecoming Pancake Brunch and Trophy Presentation. 11:00 a.m. North Patio, Stony Brook Union. Call 632-6330.

Women's Soccer vs. St. Peter's. 1:00 p.m. Athletic Field. Call 632-7200.

Department of Music, "Computer Music at Stony Brook II." 7:00 p.m. From "classics" of the genre to those hot off the computer including live/interactive performances. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

OCTOBER 27

TUESDAY

University Counseling Center Group Shop Workshop, "Stress Management: Relaxing the Mind and Body." Workshop II. Noon-1:30 p.m. Free. To register, 632-6715.

Interdisciplinary Feminist Studies Colloquium Series. "Imag(in)ing Virginia Woolf." Brenda Silver. Dartmouth College. 4:30 p.m. Cosponsored by the Humanities Institute and the Women's Studies Program. Room E4340, Library. Call 632-7765 or 632-7690.

OCTOBER 28

WEDNESDAY

Department of Pediatrics Grand Rounds, "Parent-Child Division of Diabetic Management Responsibilities - Progress and Promise," Barbara Anderson, Harvard Medical School.

8:00 a.m. Level 3, Lecture Hall 6, Health Sciences Center. Call 4-2710.

Soccer vs. William Paterson. 3:30 p.m. Athletic Field. Call 632-7200.

University Hospital Sibling Preparation Program. For expectant parents and siblings. 4:00-5:00 p.m. 9th Floor Conference Room, University Hospital. Call 444-2960.

University Counseling Center Group Shop Workshop, "Get Smart About Money!" 7:00-9:00 p.m. Free. To register, call 632-6715.

Weave a Blanket, Union Crafts Center. 7:00-9:30 p.m., 6 Wednesdays. Fiber Studio, Stony Brook Union. \$65/students. \$75/non-students. Call 632-6822/6828.

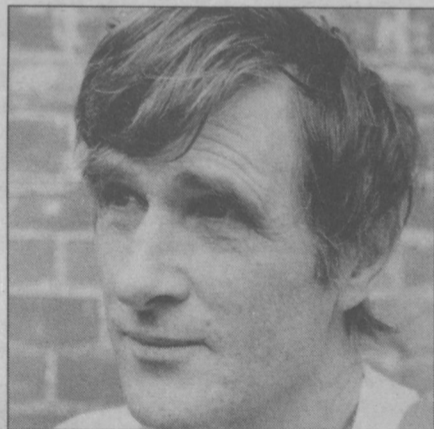
Department of Music Series, University Wind Ensemble. 8:00 p.m. Features works of Holst, Rossini, Saint-Saens, Bach and Chance. Main Stage, Staller Center for the Arts. Free. Call 632-7330.

OCTOBER 29

THURSDAY

USB's Student Research Support Program, "Fifth Annual Long Island High School Science Competition Workshop." Sponsored by the Center for Science, Mathematics and Technology Education. 10:00 a.m.-2:00 p.m. Fea-

EXHIBITS



Fiber sculptor Peter Collingwood

Through October 24: "City Views." Ten diverse, individualized interpretations of New York City today. Noon-4:00 p.m., Tuesday-Saturday; 7:00-8:00 p.m. before Main Stage and Recital Hall performances. University Art Gallery, Staller Center for the Arts. Call 632-7240.

October 5-15: "Rugs Plus," Peter Collingwood. Features multi-fiber sculpture by the author of *The Techniques of Rug Weaving*. Noon-5:00 p.m., Monday-Friday. Union Art Gallery, 2nd Floor, Stony Brook Union.

October 19-30: Vitas Latinas Exhibit, "Trans(American)Formations." Addresses the issue of the cultural hybridization existing in the work of Latina artists. Noon-5:00 p.m., Monday-Friday. Opening reception: Monday, October 19, 7:00-9:00 p.m. Union Art Gallery, 2nd Floor, Stony Brook Union.

November 2-13: "Coming of Age," Lesbian Gay Community Center Archives. In celebration of Diversity of Lifestyles. Noon-5:00 p.m., Monday-Friday. Sponsored by the Lesbian Gay Bisexual Alliance. Union Art Gallery, 2nd Floor, Stony Brook Union.



Ceramic sculpture George & Phine, by Camille Billops, in City Views.

tures mathematics and engineering. For information, call 632-7075.

OCTOBER 30

FRIDAY

Last day for undergraduates to withdraw from a course or change courses to or from Pass/No credit. Last day for CED/GSP students to withdraw from one or all courses.

OCTOBER 31

SATURDAY

Women's Volleyball Stony Brook Classic (with Western Connecticut, Upsala). 10:00 a.m. Indoor Sports Complex. Call 632-7200.

Women's Soccer vs. Rhode Island. 1:00 p.m. Athletic Field. Call 632-7200.

Staller Center Presentation, "Philadanco." Philadelphia Dance Company. 8:00 p.m. Main Stage, Staller Center for the Arts. \$22; \$20; children 12 and under/half price. Call 632-7230.

NOVEMBER 1

SUNDAY

Department of Music, Baroque Sundays at Three. Eric Milnes, Long Island keyboardist in a recital of organ and harpsichord music. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

NOVEMBER 2

MONDAY

Last day for removal of Incomplete and NR (No Record) grades from spring semester and Summer Session.

Village Cinema Film Series, *Born Yesterday*. 8:00 p.m. Story of a liberated chorus girl (1950, black & white, 103 min.). Theatre Three, 412 Main St., Port Jefferson. \$4; \$3.50/students, seniors and members of the Arts Council. (Cosponsored by the Humanities Institute, the Greater Port Jefferson Arts Council, and Theatre Three.) Call 632-7765, 928-9100, or 473-0136.

NOVEMBER 3

TUESDAY

Election Day: classes in session.

NOVEMBER 4

WEDNESDAY

University Counseling Center Group Shop Workshop, "Time Management for Academic Success." For students only. 1:00-2:00 p.m. Free. To register, call 632-6715.

Women's Soccer vs. Monmouth. 1:30 p.m. Athletic Field. Call 632-7200.

University Counseling Center Group Shop Workshop, "I Never Told Anyone." For Male Students Only. Child sexual abuse; confidentiality assured. 3:00-4:30 p.m. Free. To register, call 632-6715.

NOVEMBER 5

THURSDAY

University Counseling Center Group Shop Workshop, "Stress Management: Relaxing the Mind and Body." Workshop III. Noon-1:30 p.m. Free. To register, call 632-6715.

Humanities Institute Faculty Colloquium Series, "Approaching Difference: Subjection and the Discourse of the Other," John Lutterbie, assistant professor, theatre arts. 4:30 p.m. Humanities Institute, Room E4340, Library. Call 632-7765.

Department of Theatre Arts, *The Rivers of China*, by Alma DeGroen. 8:00 p.m. Set in contemporary Sydney, Australia, the play flashes back to the life of writer Katherine Mansfield who died in 1923. Directed by guest artist, Rod Wissler. Theatre 1, Staller Center for the Arts. \$8/general admission; \$6/seniors and students. Call 632-7230.

Reproductive Technologies Conference

Embryo ownership, prenatal sex selection, surrogacy and genetic intervention techniques are among topics to be discussed at a two-day conference, "Reproductive Technologies: Narratives, Gender and Culture," on Friday and Saturday, November 6 and 7.

The conference, to be held in the Frank Melville, Jr., Memorial Library's Alliance Room on Friday and in the Health Sciences Center, Lecture Hall 1, Level 2, on Saturday, will bring together clinicians, humanists, historians, lawyers, bioethicists and patients to focus on case histories involving issues in reproductive technologies.

Conceived by Humanities Institute Director E. Ann Kaplan, the conference has been coordinated by an interdisciplinary committee of specialists from Stony Brook and the local community: the School of Medicine, the Departments of Biochemistry and Cell Biology, History, English, Philosophy, the Institute for Medicine in Contemporary Society, the Genetics Center of Smithtown and the Long Island Jewish Medical Center.

C.O.C.A. FILMS

C.O.C.A. (Committee on Cinematic Arts) films are presented in Room 100, Jacob Javits Lecture Center. Fridays and Saturdays: 7 p.m., 9:30 p.m. and midnight; Sunday: 7 p.m. and 9 p.m. \$1.50/general admission; \$1/Stony Brook ID.

- October 2 - 4: *Far and Away.*
- October 9 - 11: *Lethal Weapon.*
- October 16 - 18: *Basic Instinct.*
- October 23 - 25: *My Cousin Vinny.*
- October 30 - November 1: *Aliens 3.*
- November 6 - 8: *Batman Returns.*
- November 13 - 15: *Patriot Games.*
- November 20 - 22: *Wayne's World.*
- December 4 - 6: *White Men Can't Jump.*
- December 11 - 13: *A League of Their Own.*

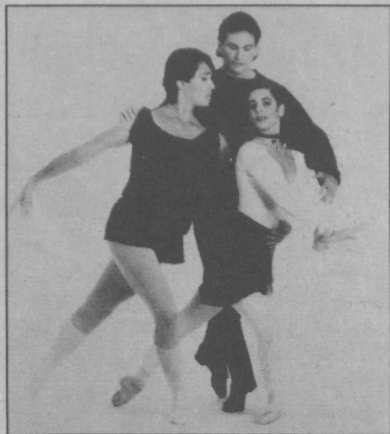
USB ELECTRONIC CALENDARS

Up-to-the-minute calendar events are only a fingertip away via SBNEWS/Electric Currents on your computer, or Stony Brook Newline on your telephone, 632-NEWS.

Dorm students can tune to the University Information Channel (channel 6) on the television for that day's News, Notices and Events.

ENCUENTRO 92: 500 Years Later LATINOS IN THE 90s

Hispanic Heritage Month October 1992



Ballet Hispanico, Saturday, October 3.

Through October 24

City Views

Exhibition of ten artists including three large-scale paintings by Luis Cruz Azaceta, Cuban-born painter who emigrated to New York in 1960 and presently resides in New Orleans. Sponsored by the University Art Gallery, Staller Center. Gallery hours: Tuesday through Saturday, noon - 4:00 p.m. Free.

Wednesday, September 30

Opening Ceremony and Reception

Flag ceremony, proclamation from President Marburger, address by Roman de la Campa (chair, comparative studies). Latin American flag display, music and refreshments. Fireside Lounge, Stony Brook Union. 12:40 - 2:10 p.m.

"La ciudad de los Perros"

Film based on a book by Vargas Llosas. Sponsored by Ballam Mu Tau Fraternity. Stony Brook Union Auditorium. 8:30 p.m.

Saturday, October 3

Ballet Hispanico

"It's beyond ballet. It's more than modern... One of New York City's most respected and progressive dance companies and schools." Sponsored by the Staller Center. Main Stage, Staller Center for the Arts. \$20, \$22. 8:00 p.m.

Monday, October 5

Dance Workshop

Learn where Latin Music originated and how to dance Merengue, Salsa and Cumbia. Instructors: Nadia Chanza and Dora Abreu. Tabler Quad, Hand College, Main lounge. 8:30 p.m.

Tuesday, October 6

"Erendira"

Film based on the book by Garcia Marquez. Sponsored by Ballam Mu Tau Fraternity. Stony Brook Union Auditorium. 8:00 p.m.

Thursday, October 8

Latino Food Festival

Sponsored by the School of Social Welfare and Suffolk County Hispanic Advisory Committee. HSC Gallery, Level 3. 11:30 a.m. - 2:30 p.m.

Friday, October 9

"Hispanic Families"

Professor Carlos Vidal (School of Social Welfare) on WUSB's weekly radio show "Taking Care of Yourself." Co-hosts: Celeste Gertsen and Gerald Shephard. Sponsored by the University Counseling Center. 2:00 - 2:30 p.m.

Saturday, October 10

Copacabana Night

Party sponsored by the Latin American Student Organization (LASO). SB Union Ballroom. Tickets in advance or at the door. 9:00 p.m.

Sunday, October 11

Bilingual Liturgy

Music and readings in Spanish and English. Sponsored by the Catholic Campus Ministry. Peace Studies Center, Old Chemistry Building. 5:00 p.m.

Monday, October 12

"America, I Don't Call Your Name Without Hope" - a reading by Jonathan Cohen. Translations and commentary on contemporary Latin American poetry, including Cardenal, Lihn and Mir. Reception follows. Sponsored by the English Department. Poetry Center, 239 Humanities. 4:00 p.m.

Wednesday, October 14

Merchants Day

Hispanic crafts and food for sale. Sponsored by the Latin American Student Organization (LASO). Fireside Lounge, Stony Brook Union. 12:40 - 2:10 p.m.

Dance Workshop

Learn how to dance Merengue, Salsa and Cumbia. Instructors: Nadia Chanza and Dora Abreu. Eleanor Roosevelt Quad, Greeley College, Main lounge. 8:30 p.m.

Thursday, October 15

Merchants Day

Hispanic crafts and food for sale. Sponsored by the Latin American Student Organization (LASO). Fireside Lounge, Stony Brook Union. Noon - 4 p.m.

Monday, October 19 - Friday October 30

"Trans(American)formations"

Art exhibit by Vistas Latinas: artists sharing a latino heritage, a unique organization dedicated to promoting Latino artists. Stony Brook Union Art Gallery, 2nd Floor, Monday - Friday, noon - 5:00 p.m. or by appointment. Inaugural reception, October 19, 7:00 p.m.

Tuesday, October 20

"El Salvador - Past and Present," Jose Peña, founder of "Building with the Voiceless of El Salvador," presents a thought-provoking presentation of photos and slides of El Salvador, accompanied by lyrically poignant Salvadoran songs performed by Peña and fellow musicians. Reception follows. Stony Brook Union room 236. Noon - 2:00 p.m.

"Carmen"

A film by Spanish director Carlos Saura. Sponsored by the Alternative Cinema. Stony Brook Union Auditorium, \$2. 7:00 p.m. and 9:30 p.m.

Wednesday, October 21

"Latinos in the 90s"

A panel discussion by students, faculty and staff with audience participation. Refreshments. Sponsored by all Latin organizations. Stony Brook Union, Room 236. 7:00 p.m.

Thursday, October 22

Career Women's Luncheon

Ana Maria Torres, director of HSC Student Services, will be the guest speaker. Stony Brook Union Ballroom. Call 632-6040 for tickets and information. Noon - 1:00 p.m.

Sunday, October 25

"Camila"

Best foreign film. Sponsored by Sigma Iota Alpha Sorority. Stony Brook Union Auditorium. Free. 8:30 p.m.

Wednesday, October 28

Women's Leadership Workshop

Sponsored by Sigma Iota Alpha Sorority. Stony Brook Union, Room 236. 12:40 - 2:10 p.m.

Thursday, October 29

Third Annual Hispanic Heritage Awards Dinner. Stony Brook Union Ballroom. Tickets available at Student Polity Box office. 6:00 p.m.

Saturday, October 31

Philadanco, Philadelphia Dance Company

"There are certain dance companies so electric they make you want to jump up and join in," The Washington Post. Sponsored by the Staller Center. Main Stage, Staller Center for the Arts. \$20, \$22. 8:00 p.m.

Hispanic Heritage Month Activities and Programs have been coordinated by the Hispanic Heritage Month Planning Committee, including members from the following organizations:

Union Universitaria Latina (UUL)

Latin American Student Organization (LASO)

Gamma Ce Upsilon Sorority

Sigma Iota Alpha Sorority

Society of Hispanic Engineers (SHE)

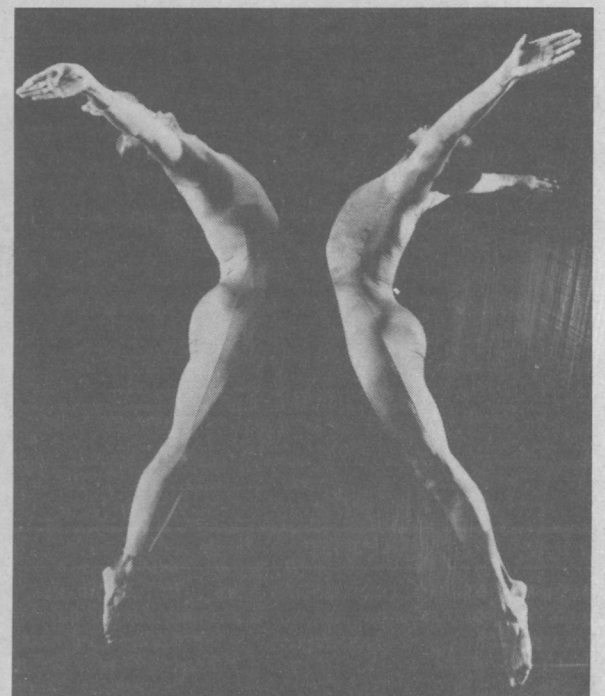
Ballam Mu Tau Fraternity

Sigma Lambda Beta Fraternity

Latin Legion

Our thanks to the many sponsoring departments and organizations:

Offices of the President, Provost, Vice Provost for Graduate Studies, Vice Provost for Undergraduate Studies, Vice President for Student Affairs, Campus Community Advocate, Affirmative Action, Graphic Support Services; Deans of Social and Behavioral Sciences, and Biological Sciences; Departments of English, Economics, Psychology; School of Social Welfare, Alternative Cinema, Career Women's Network, University Counseling Center, Catholic Campus Ministry, Staller Center for the Arts, Student Union and Activities, Suffolk County Hispanic Advisory Committee.



Philadanco performs on Saturday, October 31.

'Trans(American)Formations' Honors Hispanic Heritage Month

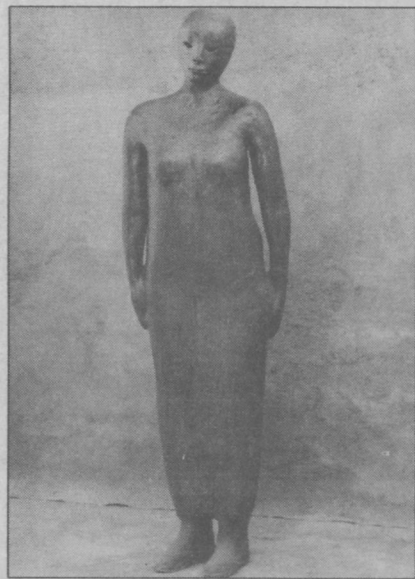
Latino culture is a tapestry of threads derived from European, African and indigenous peoples. "Trans(American)Formations," coming to the Stony Brook Union Art Gallery from Monday, October 19-Friday, October 30, is an exhibition that brings together work by Latin American women whose art reflects the multiculturalism of their background.

An opening reception with the artists will be held Monday, October 19, 7-9 p.m. in the gallery.

Produced by *Vistas Latinas*, an organization dedicated to promoting Latina artists, the exhibition features painting and sculpture by Martha Chavez, Regina Araujo Corritore, Esperanza Cortes, Ada Cruz, Carolina Escobar, Maria Elena Gonzalez, Miriam Hernandez, Alicia Porcel de Peralta, Elaine Soto and Kukuli Velarde. The show is curated by Corritore and Hernandez.

In the midst of a growing sensitivity to multiculturalism, Latina artists often find themselves and their work marginalized and stereotyped. *Vistas Latinas* seeks to dispel the isolation and invisibility these artists experience in a Eurocentric society.

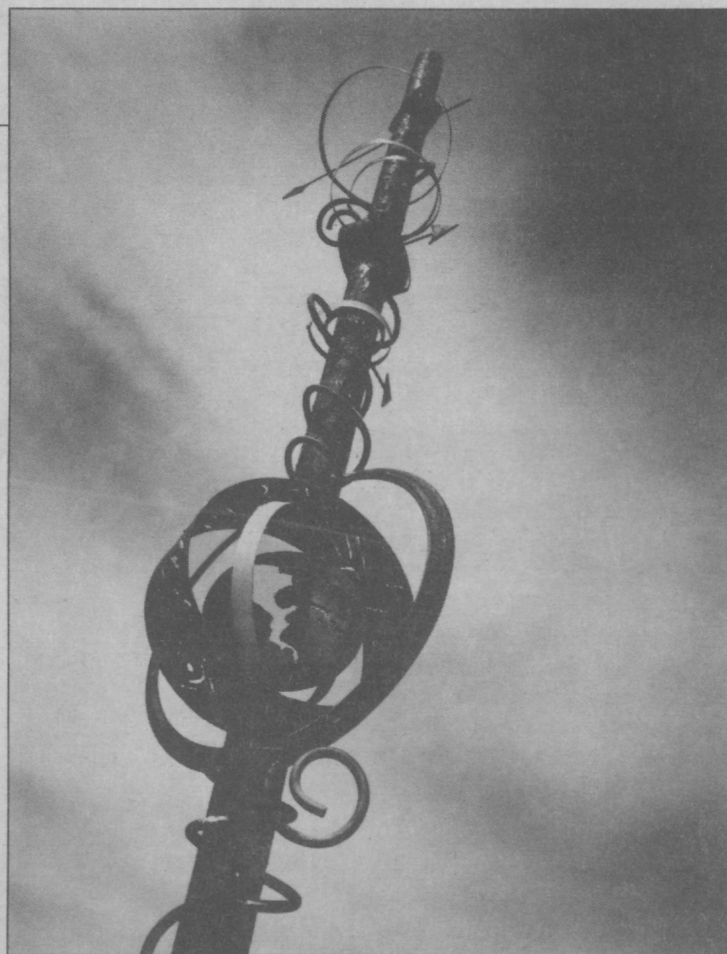
"Trans(American)Formations" is offered to the university and community in honor of



Ceramic figure by Ada Cruz (1991).

Hispanic Heritage Month and in recognition of the quincentennial anniversary of Columbus' voyage to the New World.

Stony Brook Union Gallery hours are Monday-Friday, noon-5 p.m. For additional information, call 632-6828.



Welded steel sculpture by Regina Araujo Corritore (1992), in "Trans(American)Formations," at the Stony Brook Union Art Gallery.

Not Just for the Floor Anymore

Nearly 40 years ago, Peter Collingwood abandoned a career in medicine to become a full-time weaver in England. In October, Collingwood and his work are coming to the university to share insights and techniques and display examples of his work.

Collingwood's art, severe and elegantly simple, will be exhibited in a show called "Rugs Plus" at the Union Art Gallery in the Stony Brook Union, from Monday, October 5, through Thursday, October 15.

In conjunction with the exhibition — which includes traditional hand weaving and modernist designs as well as macroguages — Collingwood will present a four-day workshop, cosponsored by the Paumanok Weavers Guild in Riverhead and the Stony Brook Union Crafts Center.

On Monday, October 12, the artist will

give a public lecture and slide presentation in the University Art Gallery of the Staller Center for the Arts at 7 p.m., sponsored by the Department of Art. For information on the lecture or the workshop, call the Union Gallery at 632-6822.

Collingwood makes annual teaching tours to the United States and has conducted workshops in Europe and Asia. He is author of *The Techniques of Rug Weaving*, now in its ninth edition and considered to be the "bible" on the subject. His work has been exhibited solo at the Victoria and Albert Museum in London and in galleries in the United States and Europe.

The Union Art Gallery is open noon to 5 p.m., Monday through Friday. The exhibition and lecture are free and open to the public. For additional information, call 632-6828.

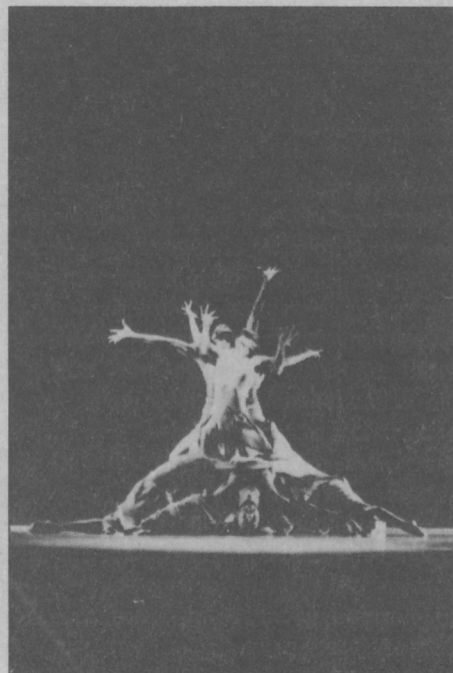
High Energy Dancing — Times Two

Two major dance companies are coming to the Staller Center this month. *Ballet Hispanico*, Saturday, October 3, at 8 p.m. opens the season with a performance full of Latino spirit, just in time for Hispanic Heritage Month. This New York City-based company, directed by Tina Ramirez, incorporates elements of flamenco, classical Spanish, popular Latin American and traditional Caribbean dances with classical ballet and modern dance techniques.

Ballet Hispanico, established in 1970, has toured across America and performs to sellout crowds in Manhattan.

Also due in October is the *Philadanco Philadelphia Dance Company*, performing on Saturday, October 31, at 8 p.m. This troupe, under the artistic leadership of Joan Myers Brown, is noted for its strong technique and high energy. Their dancing has been called "so electric they make you want to jump up and join in," by the *Washington Post*.

Tickets for each performance are \$22 and \$20; children half price. Call the Staller Center Box Office at 632-7230 to order.



Philadanco will perform at the Staller Center for the Arts on Saturday, October 31.

Wit Weds Music: Canadian Brass Comes this Month to Staller Center

The Canadian Brass is coming to the Staller Center for the Arts on Saturday, October 24, 8 p.m.

This ensemble is a versatile, entertaining quintet whose repertoire extends from Renaissance to Dixieland jazz and gospel music.

Canadian Brass players are Frederic Mills and Ronald Romm, trumpets; David Ohanian, French horn; Eugene Watts, trombone; and Charles Daellenbach, tuba.

With more than 30 albums recorded for

Philips Classics, CBS Masterworks and RCA Red Seal, their discography reflects the range of their repertoire — Bach and Beethoven, Christmas carols, blues, Billy Joel, John Lennon and more. They tour worldwide and perform with the major orchestras and music festivals across the United States.

In concert, the Canadian Brass combines dazzling virtuosity with comedy and wit.

Tickets are available at the Staller Center Box Office for \$22, \$20. Call 632-7230.

University Orchestra and Wind Ensemble Perform

Two lively musical ensembles, under the baton of Jack Kreiselman, will open their performance seasons in October with free concerts on the Main Stage of the Staller Center for the Arts.

On Thursday, October 15, at 8 p.m. the University Orchestra will present Tchaikovsky's *Coronation March*; Doppler's *Fantasie Hongroise* for flute and orchestra (Samuel Baron, flute), and Prokofiev's *Lieutenant Kije Suite*. In addition, the orchestra will perform Mozart's "Non temer amato bene" and *L'amerò, sarò costante*, featuring Florence Hechtel, mezzo-soprano.

On Wednesday, October 28, at 8 p.m. the University Wind Ensemble will perform Holst's *The Planets*, with Bill Link standing in as guest conductor. Also on the program are Rossini's *L'Italiana in Algeri*, Saint-Saens' *Danse Macabre*, Bach's *Prelude and Fugue in G Minor*, and Chance's *Incantation and Dance*.

Members of the University Orchestra and University Wind Ensemble are outstanding musicians from the university and the nearby community.

For additional information, call the Department of Music at 632-7330.

Sizzling Drama Opens Theatre Season

East meets West in *M. Butterfly*, the 1988 Tony Award-winning drama that opens the 1992-93 season at the Staller Center for the Department of Theatre Arts in October.

Reminiscent of Puccini's opera, *Madame Butterfly*, the play by David Henry Hwang explores sexism, racism, sensuality and self-delusion. Based on a true story, *M. Butterfly* portrays the treason trial of a French diplomat involved with an Asian beauty who may or may not be a woman.

"I didn't want to write a 'docudrama,'" the playwright says. "My idea was to dovetail the events of the real story with the plot

of *Madame Butterfly*." The result is a sizzling mix of romance, intrigue and social commentary.

The play is directed by Theatre Arts Department Chair Farley Richmond and features Theatre Arts Professor John Cameron in the leading role of Rene Gallimard. Patrick Aro plays the title role of Song Liling and Donald Graham takes the part of Marc.

M. Butterfly will run October 8-11 and October 15-18. Performances Thursday through Saturday are at 8 p.m. and Sunday at 2 p.m. Tickets: \$8; \$6/seniors and students, at the Staller Center Box Office, 632-7230.