

UNIVERSITY AT STONY BROOK • SUNY • CURRENTS

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Multiplying the Memory

By Carole Volkman

An elusive blue light will cause the next revolution in information storage technology.

So says Richard Gambino, adjunct professor of materials science and engineering, and he should know. A former scientist at IBM's Thomas J. Watson Research Center in Westchester, he and his colleagues developed the rewritable optical disk now used by major computer manufacturers around the world. This semester Professor Gambino joined the Department of Materials Science and Engineering, where he is developing a compact disk that can hold four times the amount of data that is possible today.

"The fact that we were able to get a scientist of Mr. Gambino's caliber is a vote of confidence for Stony Brook," says Yacov Shamash, dean of the College of Engineering and Applied Sciences. "He brings an important industrial perspective to our research and teaching programs."

The need for expanded disk capability is critical for multimedia applications, both in entertainment and in business, explains Mr. Gambino. And that's where the blue light comes in. Presently, systems use a tiny red laser that, like a phonograph needle, "reads" the information stored on a disk. Because blue light has a shorter wavelength than red light, it can make a more precise "needle," allowing each bit of information to be stored on a smaller space on the disk.

The trick is to find the right mix of materials to respond to this blue light. For Mr. Gambino the quest began with a project at IBM. During the nascent phase of personal computers, manufacturers used expensive single crystal

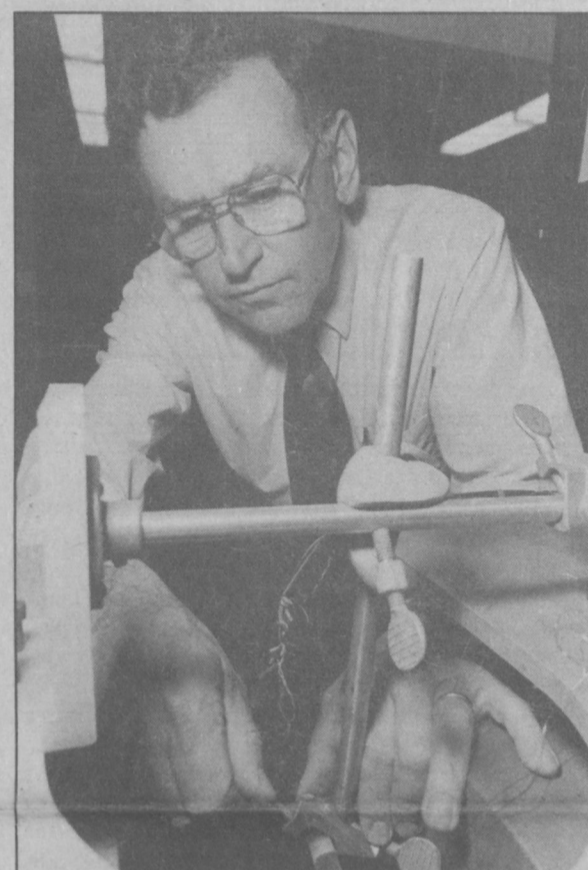
materials (in which atoms are arranged in contiguous order) for the so-called "magnetic bubble" devices that would allow the disk and computer to "talk" to each other.

IBM was looking for a less expensive way to accomplish the task, and Professor Gambino's research team found the answer: an amorphous material that was easier to magnetize in one direction, a crucial requirement for magnetic bubble devices for rewritable optical disks.

As it turned out, magnetic bubbles never did make it to the marketplace; semiconductor devices were developed instead. "But we saw that magneto-optic materials could find a place in the technology used to store very large amounts of data," he says.

Professor Gambino's magneto-optic research can be used in fiber-optic communications, laser gyroscopes and sensors for biomedical and geophysical applications. He is also interested in "giant" magneto-resistance effects in which magnetic materials change electrical resistance in a magnetic field. Applications include a compact disk replacement with no moving parts that can store information indefinitely, even when power is turned off. In his spare time, he is designing magnetic shielding for linemen working on high-tension wires.

"I came to Stony Brook because of the opportunities the university offers," says Mr. Gambino, citing the healthy relationship between the campus and Brookhaven National Laboratory and the opportunity to work with local industry. "I have enough experience to appreciate the kinds of problems that come up in the electronics industry. I look forward to working with Long Island companies."



New faculty member Richard Gambino is developing a compact disk that will store up to four times the data of existing disks.

'94 Budget Request Stresses Undergraduate Project and Regional Development

"In this era of reduced state support, the University at Stony Brook is focusing on a small number of high impact initiatives." So begins President John H. Marburger's 1994-95 state budget request. The SUNY Board of Trustees has endorsed a \$1.5 billion budget, beginning the cycle of budgetary deliberations for the next fiscal year.

Major themes of Stony Brook's request: the Undergraduate Initiative and regional economic development. The request also outlines a number of responses to the "profound state and national changes" in health care.

President Marburger emphasized the importance of restoring faculty positions to those departments most affected by recent budget cuts and of upgrading "computing and library infrastructure." He also underscored the need for Graduate and Research Initiative funding to create the necessary conditions for tripling sponsored research in engineering, a key goal of Engineering 2000.

"The specific increases in state support included in our budget request have been limited to the costs of negotiated salary increases and additional obligations brought about by inflation, a small number of strategic program investments with high return potential, and recognition of the important programs that have been funded by special appropriations for a number of years," he noted in his letter to Chancellor Bruce Johnstone. "Because our budget has been reduced so dramatically over the past five years, these

funding increases are of paramount importance."

Among the proposed initiatives:

- Upgrading data communications technology in the library and bringing network access to the Commissary, Indoor Sports Complex, Javits Lecture Center, Math/Physics, Stony Brook Union and some residence halls.
- Replacing equipment in teaching laboratories; for example, the addition of gas chromatographs, infrared spectrometers, liquid chromatographs and lasers, giving undergraduates access to the equipment used by industry.
- Scheduling deferred maintenance to address critical safety and infrastructure projects totalling \$16.5 million.
- Supporting a tutoring center, now in the first phase of development, to provide students "across the complete range of academic preparedness and disciplinary interests."
- Expanding child care to accommodate an additional 180 children.
- Appointing faculty to support Engineering 2000, to provide courses in areas of growing demand and where non-replacement of faculty has been most acute.
- Establishing new models in instruction, including development of two general education courses (one in science, one in the arts); creating a facility capitalizing on Asynchronous Transfer Mode (ATM) technology to position Stony Brook as a regional "broadcast base for distance learning"; expanding the NSF-supported calculus instruc-

tion program targeted to minority students; expanding the services of the Writing Center; expanding the URECA program; creating an office to give transfer students assistance with administrative, academic and advising procedures; and creating a centralized Placement Office.

• Supporting graduate research initiatives in advanced manufacturing technology, molecular medicine, waste management and regional policy studies.

• Expanding undergraduate health professions education, increasing undergraduate enrollment in the Schools of Health Technology and Management, Nursing and Social Welfare from 350 to 850 by the end of the decade. Also restructuring the Medical School curriculum to place more emphasis on primary care and inclusion of the Lyme Disease Center in the university's base budget.

• Appointment of permanent full-time staff for the Center for Excellence and Innovation in Education, creation of a master of arts degree in Science and Math Teaching, and incorporation of the Medical School's Geriatrics Program into the university's base budget.

• Expanding the faculty in the College of Engineering and Applied Mathematics from 100 to 160, increasing enrollment from 1600 to 2500, expanding sponsored research, creating a new Department of Environmental and Civil Engineering, and establishing seven interdisciplinary programs to serve Long Island industry.

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FOCUS: A new feminist literary journal is about to be launched at Stony Brook.

5

Ferry crew helps researchers study Long Island Sound and its phytoplankton "blooms."

6

Stony Brook Symphony Orchestra and Chorale present a joint concert Saturday, December 4.

People

Brad Carlson, assistant professor of electrical engineering, received a grant from the Engineering Foundation to conduct research on circuit synthesis for VLSI (Very Large Scale Integrated) circuits. . . **David Ferguson**, associate professor of technology and society, and **Ronald Friend**, professor of psychology, received the President's Award for Excellence in Equal Opportunity/Affirmative Action. . . **Arthur P. Grollman**, M.D., professor and chair of the Department of Pharmacological Sciences, was chosen for the American Cancer Society's National Board of Directors. . . **Allen Meek**, M.D., chair of the Department of Radiation Oncology at University Hospital, is one of five physicians asked to serve on New York State's "Expert Panel on Breast Cancer Treatment," to improve the quality of breast cancer care throughout the state. . . **Sidney E. Mitchell**, chief operating officer of University Hospital, was made a Fellow of the American College of Healthcare Executives (ACHE), one of five to attain the rank in New York State this year. . . **Jennifer Shaw**, doctoral candidate in music history, was awarded the Young Scholar's Award by the Music Theory Society of the State of New York for her paper, "Rethinking Schoenberg's Composition of *Die Jacobsleiter*". . . **Dennis Slice**, doctoral candidate in ecology and evolution, was awarded the William and James Catacosinos Fellowship for Excellence in Computer Science. His computer programs for the study of shape help researchers compare and identify plants, animals, bones, and fossils and aid in planning surgical procedures. . . *An Introduction to Quantum Field Theory* by **George Sterman**, professor of physics, was recently published by Cambridge University Press. . . **Peter Tegtmeier**, professor of microbiology, has been named this year's William and Florence Catacosinos Professor in Cancer Research. Tegtmeier was the first researcher to identify an oncogene in a DNA virus (SV40). . . **Alan Tucker**, distinguished teaching professor of Applied Mathematics and Statistics, has received the first Award for Distinguished College/University Teaching of Mathematics from the Metropolitan New York section of the Mathematical Association of America.

The Division of Student Affairs presented Distinguished Service Awards to: **Margaret Cullinan**, assistant director for admissions at the HSC Office of Student Services; **Valerie Gurka**, residence hall director in the Division of Campus Residences; **Adelaide Kuzmack**, assistant director of financial aid; **Peter Mastroianni**, health educator at Student Health Services; **Michael McHale**, associate dean for enrollment planning and management; **David Taiclet**, analyst and programmer in the Office of Undergraduate Admissions; **Gina Vanacore**, residence hall director and coordinator of new student programs in the Division of Campus Residences. Student Life Awards were given to **Sally Flaherty**, executive assistant to President Marburger; and **Alan Inkles**, managing director of the Staller Center for the Arts.

The 1993 President's Award for Excellence in Classified Service was awarded to **Sandra Farina**, clerk, Payroll Department; **Dorothy Kutzin**, secretary, Accounting Department; **Clare Lorser**, clerk, Bursar's Office; **Joan Mertz**, secretary, Physical Education and Athletics; and Reverend **Stephen Unger**, chaplain, University Hospital.

Appointments:

Peter Baigent, former assistant vice president for student programs at Syracuse University, has been appointed associate vice president for student affairs. . . **Cheryl Chambers**, former assistant director for student activities, has been appointed associate director for student affairs. . . **Donald Petrey**, professor of comparative studies, has been designated chair of the Department of Comparative Studies through August 31, 1996. . . **Donna (Scott) Vaccaro**, former director of development and alumni relations at Long Island University, C.W. Post Campus, has been named director of annual giving at Stony Brook.

News Briefs

Transition

Jordan Cohen, dean of the School of Medicine, will leave Stony Brook in the spring to assume the presidency of the Association of American Medical Colleges (AAMC).

Dr. Cohen, who joined the university in 1988, will succeed Robert G. Petersdorf, who is retiring. He assumes the position at a "critical turning point" in academic medicine, noted Dr. Petersdorf. "We will need the established leadership and vision that Dr. Cohen possesses to ensure that the missions of academic medicine — teaching, research and patient care—are upheld, directed and achieved."

J. Howard Oaks, vice president for health sciences, said the process of succession will begin immediately. "President Marburger and I believe it is unwise to attempt to appoint a new dean before a new president is identified," Dr. Oaks notes. Instead, he aims to appoint an acting dean before the end of the year so that an orderly transition can begin in January. The search for a permanent dean will begin as the new president is named.

Carole Cohen, vice president for university affairs, has informed President Marburger that she will leave the university to join Dr. Cohen, her husband, in Washington. Her departure probably will occur in mid-1994.

Capital Campaign

The university is well positioned to launch a capital campaign and should adopt a working goal of \$85 million over the next five-to-seven years.

So concludes a feasibility study conducted by the fund-raising consulting firm John Grenzebach and Associates. Results of the study were reported at the annual meeting of the Stony Brook Foundation last month. The study is based on confidential interviews with alumni, donors and friends, a telemarketing survey, internal interviews with faculty and staff, and an analysis of existing fund-raising programs.

To succeed, the university must dramatically strengthen its image and service on Long Island, increase its pool of major gift prospects, expand its network of volunteers, and look to the Foundation to "play a proactive role...during the period of presidential leadership transition."

Based on an analysis of more than 200 major gift prospects, the

consultants estimate that a comprehensive capital campaign conducted over a period of five-to-seven years (including an 18-month "quiet" phase) will attract contributions ranging between a low of \$72 million and a high of \$146 million.

The consultants recommend \$85 million as a "conservative" working number that might be increased prior to a public announcement and kickoff in spring, 1995.

SBF reported \$12.5 million in total private support in 1992-93. Total revenues were \$9.4 million, while the endowment fund increased 6.8 percent to \$9.6 million. Total contributions pledged to the Annual Fund exceeded \$567,000 — a 30 percent increase over the previous year.

Life Sciences Annex

Architects have completed the schematic design for the annex to the Life Sciences Building, to be constructed beginning spring, 1995. The structure will have two parts: a two-story teaching facility with 14 classrooms and preparation areas and a research building with at least five floors. Both parts will be adjacent to the current building, extending towards Nicolls Road and the Health Sciences Center. A covered walkway under Nicolls Road will connect the complex to the HSC.

When completed, all biology teaching will be in one location. The new research space will ease current crowding and facilitate cross-disciplinary projects.

Student Interns

The Office of Public Relations and Creative Services seeks students to work as interns during Spring Semester, earning three credits in exchange for hands-on experience in journalism, electronic communications and public relations. Interns will be trained to work on ongoing projects, including ProfNet, *Currents*, hometown press releases, and more. Strong communications skills are required.

For more information on the internship for ProfNet, contact Daniel Forbush, associate vice president for Public Relations and Creative Services, at 632-6308. To join the regional news placement team, contact Vicky Katz, director of News Services, at 632-6311. To work on *Currents*, call Gila Reinstein, editor, at 632-9116. To join the hometown news bureau, call Mark Owczarski, manager of national news, at 632-6318.

Nominations Sought for Student Prize

The University Association seeks nominations to honor an undergraduate who has successfully returned to college after years (or decades) away from higher education. The \$500 award recognizes academic excellence and service to the community beyond the campus.

Faculty members and non-teaching professionals may nominate students who have been enrolled for three consecutive semesters within the last two years and who have accumulated a minimum of 30 credits at Stony Brook. Nominations, with three supporting letters, are due by December 9. For application forms and information, call Elaine Kaplan, assistant vice provost, in Undergraduate Studies, 632-7080.

High School Equivalency Available

Members of the campus who would like to earn a high school equivalency diploma (GED) may join an ongoing program offered Tuesday and Thursday mornings on campus. The program is tailored to meet the needs of each student. There is no fee, but participants must complete an application and obtain their supervisor's signature. For further information and an application, contact Lynn Johnson at 632-6151.

Poinsettia Time

The University Hospital Auxiliary will hold a poinsettia sale on Thursday, December 9, 9 a.m.- 5 p.m. in the hospital cafeteria corridor. The plants are florist quality and are available in bright pink, white and red. They cost \$10 each. Proceeds benefit the Hospital Auxiliary. For information, call 444-2699.

Leadership Conference

On Tuesday, December 7, more than 100 future senators, lawyers, CEOs, scientists and their teachers will be on campus for the first annual High School Leadership Conference.

The conference, sponsored by the Division of Campus Residences and the Office of Undergraduate Admissions, will feature workshops on leadership skills. George Mendoza, world-class runner and noted author who lost his sight at the age of 15, will deliver the keynote address, "Leadership 2000: The Future Is Yours."

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puter bulletin board; the University Information Channel on SBTV's Channel 6; and Stony Brook Newline, accessible by telephone at 632-NEWS. Our All-in-1 address is CURRENTS.

The University at Stony Brook is an affirmative action/equal opportunity educator and employer. This publication is available in alternative format on request.

HOMECOMING WEEKEND

More than 500 alumni returned to campus for Homecoming at the end of October. Highlights included the groundbreaking of the New Student Activities Center and the dedication of the refurbished Commuter Students Lounge in the Frank Melville, Jr. Memorial Library, made possible by a gift from the Class of 1973.

At the Distinguished Alumni Awards brunch on Saturday, three alumni were honored for outstanding achievement: Barbara Beno '72, president of Vista Community College; James Schneider '69, cofounder and vice president of Blue Sky Research Company; and Joseph Vazquez '72, chief financial officer of Kirkland and Ellis law firm in Chicago. Jack Guarneri '68 was honored with the first Distinguished Alumni Service Award, and Dr. Michael Barnhart received the Outstanding Professor Award.

Despite the rain, the parade and tailgate parties were well attended. In front of a capacity crowd, the Patriots defeated Western Connecticut State 33-6, bringing their record to 6-0-1. During halftime,



Everybody got into the act when it came time to break ground for the new Student Activities Center, under construction on the Academic Mall.

Mary Skafidas, a social sciences interdisciplinary major with a minor in journalism, was crowned Homecoming Queen and Brent Spinio, a philosophy major, was crowned Homecoming King. Both are seniors.

At night, alumni turned out for

reunion dinners, followed by a Lovin' Spoonful concert at the Staller Center. For students there was a band concert. On Sunday, over 150 runners competed in the 5K Run for Scholarships, followed by a pancake breakfast for more than 200 in the Stony Brook Union Ballroom.

Workforce Development Center Dedicated

The vice president of a local bank, laid off when her facility was acquired by another company, came to Stony Brook's Workforce Development Center last year to learn the skills she needed to search for a new job. Along with over half the students enrolled in the professional development program, she landed a new position, thanks to courses that gave her an edge in the workplace.

After a year of success, the Workforce Development Center was dedicated last month, thanks, in part, to a grant of \$75,000 from the New York State Legislature. The center, part of the School of Continuing Education, was established last year with support from the Suffolk County Department of Labor, Town of Oyster Bay, and Career

Connections — an agency that works with major firms on outplacement.

"These agencies saw, for the first time, a new group of middle-aged, middle-class, mid-career men and women who would be comfortable in a university setting," explains Paul Edelson, dean of the School of Continuing Education.

The bank vice president, who had been responsible for administrative duties, learned Lotus and dBase for an executive position at another bank. The former owner of an import/export company took computer courses and is now an inside salesperson at a local high-tech company. A dental hygienist, laid off when the practice was sold, studied customer service, business writing and manage-

ment and was hired as a sales representative for an employment agency.

Since last February, 55 students have completed the full Workforce Development Center program, and 60 percent of them have obtained jobs. Over 1,300 students attended individual classes within the center's jurisdiction during the spring 1993 semester alone.

Courses include total quality management, technical and promotional writing, intercultural communications, career development and team leadership. Computer training is available in PCs, DOS, WordPerfect 5.1, Lotus 3.0, dBase IV and PageMaker. Individual career advisement is available.

— Carole Volkman

Engineering 2000 Looks to the Next Century

CEOs and senior management at some of Long Island's top high technology firms have endorsed the phased implementation of Engineering 2000, a seven-year plan designed to make the College of Engineering and Applied Sciences a first-tier school by the year 2000.

The endorsement came earlier this semester, when Stony Brook hosted members of the advisory board of Engineering 2000.

Several components of the plan have already been implemented, including an internship program, manufacturing initia-

tives, new undergraduate laboratories, and an Industrial Partnership Program to strengthen ties between the college and Long Island companies.

The next phase of the project calls for increased attention to manufacturing concerns and technology transfer, along with a SUNY engineering network, dubbed "EngiNet," that will combine the resources of the universities at Stony Brook, Buffalo and Binghamton to deliver graduate engineering and computer science instruction and noncredit courses for industry in New

York State.

"With guidance from Long Island industry leaders, we are well on our way to achieving our goal of excellence both as an engineering college and as a regional resource for the high-tech community," says Dean Yacov Shamash.

Some of the private sector partners include Computer Associates (Islandia), Ademco (Syosset), Servo Corporation of America (Hicksville), and the Long Island Forum for Technology.

— Carole Volkman

Pediatric AIDS Unit: A Family Approach

In Suffolk County in 1992, 122 babies were born HIV-infected, a statistic that does not surprise anyone who knows that outside of New York City, Suffolk County has the largest HIV-infected population in the state and the thirteenth largest in the nation. Those who take care of HIV-positive and AIDS-infected people see an urgent need to ensure continuity of care.

For that reason, a new approach to treating HIV-infected children and their mothers has begun at University Hospital.

"AIDS is a family illness," says Sharon Nachman, M.D., assistant professor of pediatrics at University Hospital. "When a child is born with the virus, it means that the child has an HIV-infected parent. That is why we began a special pilot project in which we try to see mothers at the same time we see their children."

The pediatric AIDS unit at Stony Brook is part of the Department of Pediatrics — separate from the adult AIDS unit, which falls under the purview of the Division of Infectious Diseases. "For this project," Dr. Nachman says, "we use a team approach," in an effort to bridge the gap between the separate units. "We offer real continuity of care," she says.

"Most mothers won't care for themselves as well as they will care for their kids. We offer them a full-time social worker, family counseling and all of the services they need to remain an intact family. It is a multi-disciplinary approach."

It's not surprising that among these parents, "There's a lot of denial. And there's often great difficulty in making mothers accept treatment. We see mostly the mothers; fathers are here very rarely. And there comes a time when we have to ask the mother: 'Do you have a plan for when you die?'"

Stony Brook's pediatric AIDS unit is the only one in Suffolk County and one of three on Long Island. Although funded by the National Institutes of Health, additional funding is needed to meet all the needs of the families involved.

"These are not families with a great many resources. They're not affluent and they're not intact families," Dr. Nachman says. "We need to do more — more in terms of education, of outreach." Especially in need of services and extremely tough to reach are adolescent males, who are "particularly isolated," she notes. "It's a very tough job and it takes a lot of time and money."

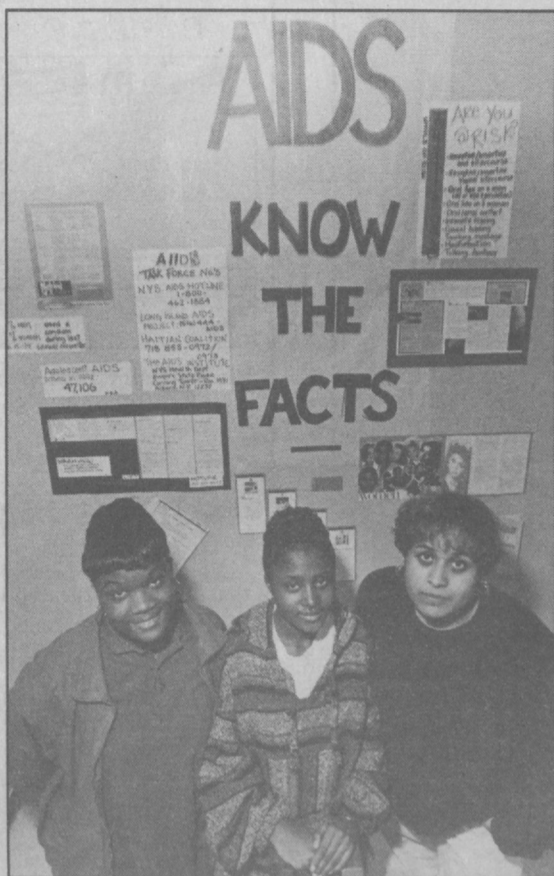


Dr. Sharon Nachman

HSC Medical Photography

An Ounce of Prevention

By Errol Cockfield



AIDS Peer Educators Mary Aristilde, Joan Salmon and Susan DeCarava present the facts to their fellow students through discussions and displays.

Today's college students worry about their grades, their social life, their summer jobs and their chance of getting AIDS.

Dr. Dallas Bauman, assistant vice president for Campus Residences, realized that six years ago when he created the AIDS Peer Educator Program. Peer educators are students trained to work on a one-to-one basis encouraging fellow students to change dangerous sexual behavior.

"It isn't a matter of sitting back and waiting for people to come to you," says Dr. Bauman. "Peer educators take the initiative."

"AIDS education is better 'one on one,' because you really relate to that person," says peer educator Melanie Kramer. "You can open up more and be sincere."

Peer educators are trained in communication skills and are given the latest AIDS data. They learn to recognize risky sexual behavior and make it their business to introduce the topic of safe sex into conversation. This approach seems to work better than formal presentations and lectures, Dr. Bauman says.

The program was inspired by an ongoing project in New York City which trains recovering drug users to go back into the streets to encourage addicts to quit. It has a 70 percent success rate and that looked good to Dr. Bauman. He took the concept and developed Stony Brook's program from it.

Peer educators learn about routes of transmission: "We want them to be knowledgeable and comfortable talking about the range of sexual

behavior their peers are engaging in," says Dr. Bauman. They also learn about the disproportionate numbers of AIDS cases among minorities and in the metro-New York area. Forty out of every 1000 persons in New York City are HIV positive, and 13 out of every 1000 on Long Island. Since about 90 percent of Stony Brook's undergraduates (and about 86 percent of graduate students) come from those two areas, the potential problem on campus is a real one.

The 23 peer educators employ three levels of counseling: identifying risky behavior, assessing the level of risk, and supporting behavioral change. "Behavior changes may manifest months or years down the road," notes Dr. Bauman.

"It amazes me, the number of people that have approached me since I became an AIDS peer educator," says Susan DeCarava. "People feel they have someone to turn to and what they say will be kept confidential."

It is more difficult for some to approach a counselor than it is for others. Peer educator Colette Reid says, "You can't force anyone to do anything, and sometimes it's not easy for students to ask questions." Peer educators sometimes offer free condoms in their rooms and put up "safe sex" bulletin boards. "What they are doing is investing a lot of themselves, and they have a tremendous impact on such a critical issue," Dr. Bauman notes.

Many peer educators find the knowledge they have gained has made the greatest impact on themselves. "Since I began the program, I'm determined never to have unsafe sex ever again," says Ms. Kramer.

Overcoming Academic Hurdles With Help from Ujamma

New students sometimes find it difficult to adjust to the academic pressures on campus. To ease the way, a group of African American students have established the Ujamma Student Foundation and created two Higher Excellence in Learning Programs (HELP) to assist freshmen and transfers in their academic and social acculturation to Stony Brook.

"By letting them know they have somebody here, they come to feel they have a family," says Sean Joe, director and founder of Ujamma. Mr. Joe, a graduate student and counselor in the AIM program says, "We want new students to make studying part of their everyday lives. We need to deal with the attitude of students as they are coming in."

Ujamma, designed in the spring of 1993, was named for the Swahili word for cooperative economics. It is a student self-help organization run by 10 coordinators - most of them undergraduates, headed by Mr. Joe. About 150 students are currently involved.

Stony Brook's two Ujamma programs are Sis/Bro - a mentor project pairing new students with returning students - and Competitive Study Groups, which offers scholarships. These were created to address the high attrition rate among new African American students by letting them know they have someone they can turn to, says Mr. Joe. The university has many resources, but, "We tend to learn more from each other," he says.

"Sis/Bro is designed to tear down barriers and make the transition easier," says one of the coordinators, Patrick Jenkins, a graduate student and Benedict College residence hall director. "Students need help dealing with isolation and adjustment problems." Through Sis/Bro, 60 new students have been given mentors.

"I wanted to make sure that other new students didn't fall into the same traps I fell into my first year here," says coordinator Sean Bollers. Sis/Bro also

encourages new students to get involved in organizations, says coordinator Kikuyu Wills.

The Competitive Study Groups are in conjunction with Scholastic Achievement Incentives for Non-Traditional Students (SAINTS). Fifteen scholarships will be awarded to those who achieve the highest grade point average improvement. Funds are currently being sought for the awards.

Time management and the ability to seek assistance for academic problems are important, says Mr. Joe. "Students should know how to ask for help and not be afraid to ask. That itself is a skill," he says.

Ujamma also stresses the importance of giving back to your community. "I hope next year that the freshmen and transfers that are here will become big brothers and big sisters," says Mr. Bollers.

— Errol Cockfield



Ujamma founder and director Sean Joe

New Focus on Women

FOCUS, a new feminist literary journal, is in the works for Stony Brook. Undergraduate transfer student Kathleen Heiser is at the helm of this undertaking and is soliciting students - both undergraduate and graduate - to submit essays, poetry, short stories, art work and photographs.

While earning her A.A. degree in women's studies at Suffolk Community College, Ms. Heiser became editor of *Lilith*, the college's award-winning feminist journal. After graduating with a 4.0 G.P.A., the designation of 1992-93 Daniel D. DuPont Student of the Year, and a citation in *Who's Who Among Students in American Junior Colleges*, she came to Stony Brook to study English, philosophy and women's studies.

Struck by the rich cultural diversity at Stony Brook, Ms. Heiser was surprised that there was no feminist journal on campus. She seized the oppor-

tunity to create a magazine that she says will be dedicated to "exploring the breadth and depth of these diverse life experiences. *FOCUS* will provide women with a forum to speak on contemporary social issues and to examine the diversity of their lives - lives shaped by ethnicity, sexual preference, race, economics and religion."

The journal will be published twice a year. The editorial staff, both students and faculty, hopes to have the first issue ready in time for the celebration of Women's History Month in March.

Submissions for the first issue are due by December 6. Preference will be given to works addressing feminist, campus and multicultural issues. Materials may be sent to *FOCUS*, Room 105, Women's Studies, Old Chemistry Building, Z=3456. For further information, call 632-9176.

— Emily Pesa

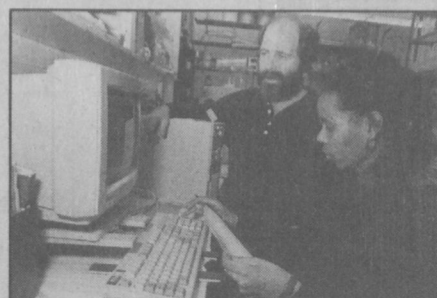
RESEARCH

EDITED BY SUE RISOLI (632-6309)



Robert Aller and Magali Gerino prepare to dive for sediments from the deck of the Onrust, MSRC's research boat.

Ian Stupakoff



Biochemistry Professor Dale Deutsch, working with student Suzette Chin.

Marna Hicks

Nature's High

There is a marijuana-like chemical that occurs naturally in the body, and Stony Brook researcher Dale Deutsch has discovered how it's made and broken down in the brain.

In 1990, scientists discovered specific areas of the brain that contain high levels of "marijuana receptors," sites that bind to the active ingredient in marijuana, known as THC (tetrahydrocannabinol). That was followed last year by the discovery of anandamide, a compound produced in the brain that binds to these receptors.

Dr. Deutsch, associate professor of biochemistry, posed a question: "If it's found in the brain, is it actually made and broken down there?" The answer turns out to be yes, and he has identified and named the enzymes that do the job. "A synthase enzyme makes anandamide from two common chemicals — arachidonic acid and ethanolamine — and an amidase breaks it down to its component parts," he says. His studies also reveal that the breaking-down enzyme is found in many organs of the body, but not in the heart or muscle tissue.

Dr. Deutsch's results, summarized in a paper co-authored by undergraduate Suzette Chin, were reported in a recent issue of *Biochemical Pharmacology*. Ms. Chin is one of several students working on the anandamide project.

Further study of the marijuana-like chemical (named for the Sanskrit word "ananda," meaning bliss) could aid in the development of new drugs that have marijuana's analgesic and antinausea effects without the "high."

"It would probably not be effective, though, to manufacture anandamide and take it orally," Dr. Deutsch says. "The enzyme we discovered breaks it down so quickly in the body that any drug based on anandamide would probably be short-acting — maybe less than an hour."

In contrast to this finding, early results of work done with Glenn Prestwich, professor of chemistry and director of Stony Brook's Center for Biotechnology, indicate that a series of "inhibitors" may prevent such rapid anandamide breakdown in the brain.

The next step will involve purifying the enzymes that metabolize anandamide in the brain. "We also need behavioral studies," Dr. Deutsch says. "Do the levels of this chemical go up and down, and is it affected by mood? Does anandamide affect things like memory, motor coordination or appetite? This is an exciting area of study that's just opening up."

— Sue Risoli

Ferry Crew Helps Researchers Study L.I. Sound

Water samples collected from Long Island Sound by ferries that cross from Port Jefferson to Bridgeport are leading scientists from the Marine Sciences Research Center (MSRC) to a greater understanding of how animals survive dramatic seasonal changes.

MSRC scientists participated in the Environmental Protection Agency's five-year National Estuary Program study of Long Island Sound to investigate oxygen depletion in both the water column and the sediments of the western sound. Sediments yield their secrets grudgingly, and the researchers are still trying to understand how a large, short-term pulse of organic matter, such as a spring "bloom" of phytoplankton, affects the growth and activity of animals living in the sediments and what chemical changes occur there as a result of oxygen depletion.

Dr. Robert Aller and a team of nine MSRC researchers have been trying to pinpoint the time of the annual spring bloom in Long Island Sound in order to coordinate sediment analysis — a project that must be

completed before beginning a U.S. Department of Energy study on the cycling of organic matter and carbon dioxide on the open continental shelf where blooms occur. To carry out the preliminary project, water samples have to be collected every few days over the course of a year to determine when the phytoplankton cells reached a certain concentration, signaling the bloom. Taking samples in all types of sea conditions had been problematic until Fred Hall, vice president and general manager of the Bridgeport-Port Jefferson Steamboat Company, offered to let his chief engineers collect water samples several times a week as the ferries crossed the sound.

In late winter and spring, when the light and nutrients are at just the right level, single-cell marine plants exhibit a burst of growth, rapidly dividing and making new cells. This rapid phytoplankton growth, the spring bloom, is followed by the death and decay of these cells, which then drift down to the sediment, delivering a large pulse of food for the animals and microbes that live there.

Even though it is a bountiful food source for these animals, the decaying matter depletes oxygen in the sediments. Less than two weeks following a pulse of organic matter, MSRC scientists found that oxygen penetration into the sediment decreases by approximately 75 percent, penetrating only to a depth of about two millimeters. As a result, chemical processes in sediment below two millimeters that depend on oxygen may slow down or stop. On the other hand, the animals that rely on this decaying matter as a food source become increasingly active following the bloom.

Researchers Robert and Josephine Aller, Cindy Lee, Kirk Cochran, Magali Gerino, David Hirschberg, Mark Green, Ian Stupakoff, Kristin Chaloupka, and Hanguo Wu have seen indications of increased burrowing, feeding and other activities, collectively called "bioturbation." Bioturbation is a natural means of moving, mixing and ultimately changing the composition of the sediment and overlying seawater.

— Trudy Bell

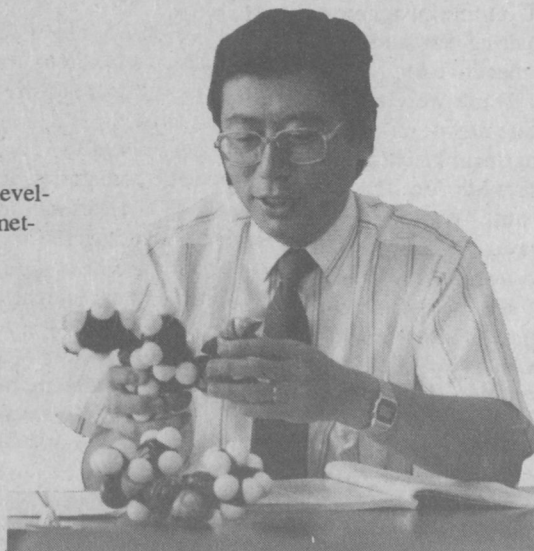
Chemist Wins Cope Award

Dr. Iwao Ojima, professor of chemistry, has been named by the American Chemical Society as a 1994 Arthur C. Cope Scholar. The award, which recognizes excellence in organic chemistry, carries with it a \$25,000 unrestricted research grant.

The Cope Scholar awards were established in 1984 with funds from the estate of Dr. Arthur C. Cope, a renowned organic chemist who served as president of the American Chemistry Society and chair of its board of directors. Up to 10 recipients are named annually.

Dr. Ojima was honored for his development of new methods for the asymmetric synthesis of amino acids and peptides. In particular, he was cited for his contributions to the semisynthesis of the anticancer agent Taxol and its analogs. Taxol, which is highly effective against certain late-stage cancers, is difficult and expensive to obtain in its natural state. Dr. Ojima has been on the Stony Brook faculty since 1983.

— Sue Risoli



Chemistry Professor Iwao Ojima

What's Up?

EXHIBITS

Stony Brook Union Art Gallery: Monday-Friday, Noon-4 p.m. Free. Call 632-6822.

Through December 10: Student Exhibition: Maria Sophia Macedonio and Andria Robin Reingold.

Frank Melville, Jr. Memorial Library Art Gallery. 11 a.m.-4 p.m.

Through December 17: Student Exhibition. Gary Wojdyla.

University Art Gallery: Tuesday-Friday, noon-4 p.m.; Saturday, 5-8 p.m. Staller Center for The Arts. Free.

Through December 17: "Wood." Works by Raoul Hague, Edward Mayer, Zdeno Mayercak, Catherine Murray and James Surls. (Reception: Friday, November 12, 6:30-8 p.m.)



Courtesy Lennon Weinberg, Inc.
Raoul Hague's "Abandoned and Reworked," (1952-1988), walnut.

FILM

C.O.C.A. FILMS

(Friday/Saturday: 7, 9:30 p.m. & midnight; Sunday: 7 & 9:30 p.m. Room 100, Javits Lecture Center. \$2; \$1.50/SB ID.)

December 3-5: *The Firm*
December 10-12: TBA

VILLAGE CINEMA FILM SERIES

(Monday: 8 p.m. Theatre Three, 412 Main Street, Port Jefferson. \$4; \$3.50/students, seniors and members of the Greater Port Jefferson Arts Council.)

December 13: *Menace II Society*

HUMANITIES INSTITUTE AFRICAN FILM SERIES

(Thursday: 7 p.m. Room E-4341, Melville Library. Free.)

December 2: *Afrique: Je Te Plumerai* (Cameroon, 1992, 88 minutes).

CENTER FOR ITALIAN STUDIES FILMS

(Wednesday: 7:30 p.m. Room 105, Javits Lecture Center. Free.)

December 6: *Paisan*. Directed by Roberto Rossellini. Introduction by his daughter, Ingrid Rossellini, assistant professor, French & Italian.

THEATRE & PERFORMING ARTS

Staller Center for the Arts. Call 632-7230.

December 2-5 & 9-11: *The Second Shepherd's Play* and *Why the Lord Come to Sand Mountain*. Thursday-Saturday: 8 p.m.; Sunday: 2 p.m. Theatre One. \$8; \$6/students & seniors.

December 11: *Broadway for Kids!*, *Babes in Toyland*. 2 p.m.

December 17-19: *The Nutcracker*. Huntington Ballet Theatre. Friday, 8 p.m.; Saturday, 2 & 7 p.m.; Sunday, noon & 4 p.m. Main Stage. \$22; \$14/children under 12.

LECTURES & SEMINARS

December 1: Administrative Training "A Tour of Stony Brook" Series, "Making the Trip: Travel Planning, Funding, Reimbursement." 9-11:30 a.m. Room 236, Stony Brook Union. Call 632-6136.

December 1: Distinguished Teaching Professor Lecture, "Teaching Culture in a Rapidly Changing World," Barbara Elling, specialist in German language and literature and a winner of the Florence Steiner National Foreign Language Leadership Award for Postsecondary Education in 1985. 12:30 p.m. Room N-3063, Melville Library. Call 632-7447.

December 2: Administrative Training "A Tour of Stony Brook" Series, "Legal Considerations in Administrative Decision Making," Gerianne Sands. 9-11:30

a.m. Room 237, Stony Brook Union. To register, call 632-6136.

December 2: Thursdays at Noon Lecture, "Coming into Communion: Women and the Churches in 18th-Century New England," Laura Henigman, assistant professor, English. Noon. The Poetry Center, Humanities. Call 632-7399.

December 2: Live Satellite Teleconference, "Technology Across the Campus: Creating A Student-centered Environment." 1-3 p.m. Room 105, Javits Lecture Center.

December 2: The Poetry Center. Derek Mahon reads from his new book of poems. 8 p.m. The Poetry Center, 238 Humanities. Free. Call 632-7400.

December 3: School of Health Technology and Management Workshop: "Dispute Resolution in the Field of Health Care." 9 a.m.-4 p.m. Health Sciences Center. \$85. Call 444-3180 or 444-3186.

December 3: Astronomy Open Night, "Most Stars Are Born as Twins," Michal Simon, professor, earth & space sciences. 7:30 p.m.; telescope viewing. Room 001, Earth & Space Sciences. Free. Call 632-8200.

December 7: Physiology & Biophysics Seminar, "Phospholipase C Delta Appears Predominant in Vascular Smooth Muscle," Dr. Edward F. LaBelle, Bockus Research Institute, The Graduate Hospital, Philadelphia, PA. Noon. Room 140, T-5, Basic Health Science Tower. Call 444-2287.

December 7: Physics Department Colloquium. 4:15 p.m. Room P-137, Harriman Hall. Call 632-8110.

December 8: Administrative Training "A Tour of Stony Brook" Series, "Recruitment and Appointment of Stony Brook Faculty and Staff": A) "Search and Selection Guidelines," B) "Attract, Promote, Recruit through Advertising." 9-11:30 a.m. Room 236, SB Union. Call 632-6136.

December 9: Thursdays at Noon Lecture Series. Reading from new novel, *Ysak's Fable*, Jack Ludwig, professor, English. Noon. 239 Humanities. Call 632-7399.

December 14: Physiology & Biophysics Seminar, "Structure of HIV Proteases," Dr. Irene Weber, Thomas Jefferson University, Philadelphia, PA. Noon. Room 140, T-5, Basic Health Science Tower. Call 444-2287.

December 15: Administrative Training "A Tour of Stony Brook" Series, "At Your Fingertips: An Overview of Administrative Computer Systems." 9-11:30 a.m. Room 236, SB Union. Call 632-6136.

MUSIC

Staller Center for the Arts. Call 632-7230.

December 1: Noontime Concert Series. Recital Hall, Staller Center for the Arts. Free.

December 1: "Calliope." 8 p.m. A quartet of brass, strings, percussion and woodwinds playing Renaissance and folk music. Recital Hall. \$20.

December 2: University Orchestra. 8 p.m. Features works by Bach, Haydn and Bizet. Main Stage. Free.

December 4: Stony Brook Symphony

Orchestra and Stony Brook Chorale. 8 p.m.; (preconcert lecture, 7:00 p.m. Recital Hall). Music by Handel, Schoenberg, Vivaldi. Main Stage. \$10.

December 8: University Wind Ensemble. 8 p.m. Works by Wagner, Bizet and Bach. Christmas sing-along. Main Stage.

December 9: Jazz Ensemble. Standards and new works. 8 p.m. Recital Hall.

December 10: The Stony Brook Opera Ensemble. 8 p.m. Recital Hall. \$5.

December 12: *Messiah* Sing-along. 3 p.m. Recital Hall.

December 14: Tuesdays at Five - The Guild Trio, Patients Concert. University Hospital, Greenhouse Cafeteria. Call 444-2765.

DIVERSITY OF ABILITIES MONTH

December 3: Exhibition Wheelchair Basketball Game. 7:30 p.m. Faculty, staff, and student volunteers vs. the Nassau County Kings Wheelchair Team. Kick-Line performs at halftime. Door prize donated by Billy Joel. Pritchard Gym, Indoor Sports Complex. \$5; \$3/SB ID and Children. For tickets, call the Office of Disabled Student Services, 632-6748.

December 6 & 7: BUDDIE (Because U Don't Do It Everyday) Day. Able-bodied students and staff accompany persons with physical disabilities as they go about their normal day on campus. 9 a.m.-4 p.m. Call Sylvia Geoghegan at 632-6748.

December 8: Art Show/Reception. Features Vinnie Sceravino (USB student), Sylvia Geoghegan (USB staff) and other artists with disabilities. 12:30-2 p.m. Fireside Lounge, SB Union. Call 632-6748.

EVENTS & ACTIVITIES

December 1 & December 2: Holiday Festival & Crafts Fair. 10 a.m.-5 p.m. Fireside Lounge, SB Union.

December 1: Faculty/Staff Blood Drive. 8:30 a.m.-2 p.m. Lobby, Indoor Sports Complex. Call your Blood Drive captain or Cynthia Pedersen at 632-6136.

December 4: Employee Activities Council Trip, "Shopping Spree to Reading, PA." 7:30 a.m., Administration Building (home by 9:30 p.m.). \$23. Call Dorothy Kutzin at 632-6040.

December 6 & 7: Crafts Center Co-op Pottery Sale. 10 a.m.-3 p.m. Fireside Lounge, SB Union.

December 7-9: Plant Sale. 10 a.m.-4 p.m. Lobby, Stony Brook Union.

December 8: University Service Awards. 4 p.m.; reception to follow. Honors faculty and staff who have worked at Stony Brook for 35, 30, 25 and 20 years. Recital Hall. Call 632-6320. All are welcome.



THE MONTH AT A GLANCE

EDITED BY JOYCE MASTERSON (632-6084) • FOR DAILY UPDATES, CALL THE SBNEWSLINE (632-NEWS)

December 8-15: Chanukah Menorah Lighting. 5:30 p.m. (Friday, December 10, 4 p.m.) Outside the Stony Brook Union. Call 632-6565.

December 9: University Hospital Auxiliary's Annual Poinsettia Sale. 9 a.m.-5 p.m. Hospital Cafeteria corridor. \$10; bright pink, white and traditional red. Call 444-2699.

December 9: Chanukah Party. 9:30 p.m. Featuring music by Amir and Ron. Kosher Cafeteria, Roth Dining Hall. 632-6565.



The Mentor Program, "Open Discussion on Mentoring." 4-5 p.m. Room 236, Stony Brook Union. Call 632-7090.

December 14: Faculty/staff mentors.

December 16: For STUDENT mentees.

ONGOING

Every Sunday:

Non-instructional Life Painting. 9:30 a.m.-12:30 p.m. Long poses. Room 4218, Staller Center for the Arts. \$2/students; \$6/non-students; \$30/six sessions. No preregistration necessary.

Stony Brook Fencing Club. 2-4 p.m. Main arena, Indoor Sports Complex. Call 246-5685.

Prepared Childbirth Courses. 3:30-5:30 p.m. University Hospital. Call 444-2729.

Catholic Campus Ministry Mass. 5 p.m. Peace Studies Center, Old Chemistry. Call 632-6562.

Protestant Campus Ministry Worship. 5 p.m. Interfaith Lounge, Room 157, Humanities. Call 632-6563.

Every Monday & Tuesday: Prepared Childbirth Courses. 7:30-9:30 p.m. (varies). University Hospital. Call 444-2729.

Every Monday, Tuesday, Wednesday and Friday: Catholic Mass. Noon. Level 5, Chapel, Health Sciences Center. Call 444-2836.

Every Monday & Thursday: FSA Flea Market. 8:30 a.m.-4:30 p.m. Stony Brook Union Bi-level. Call 632-6514.

Every Tuesday and Friday: Stony Brook Fencing Club. 8-10 p.m. Main arena, Indoor Sports Complex. Call 246-5685.

First Tuesday:

"Look Good, Feel Better Program," for women undergoing cancer treatment. 1-3 p.m. 15th Floor, North Conference Room, University Hospital. Free parking. Call 444-2880.

The Live Wires, a support group for patients implanted with automatic defibrillators. 2 p.m. St. John's Lutheran Church, Holbrook. Call William Kilkenny at 277-3745.

Every Wednesday: Diabetes Support Group. 2:30 p.m. Conference Room 084, 12th Floor, University Hospital. Call 444-1202.

First Wednesday: 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.

Every Thursday:

Hospital Chaplaincy Interfaith Prayer

Service. Noon, Level 5, Chapel, Health Sciences Center. Call 632-6562.

Cancer Support Group for Patients, Family and Friends. 4-5:30 p.m. Level 5, University Hospital, Physical Therapy Department. Free parking. Call 444-1727.

Protestant Ministry Brown Bag Theology Discussion Group. 12:30-2 p.m. (Bring a bag lunch.) Interfaith Lounge, 157 Humanities.

Every Friday: B'nai B'rith Hillel Foundation Services. Roth Quad Dining Hall, 6 p.m.: Traditional - Lower Level; Reform - 2nd Floor; Shabbat Dinner - 7 p.m., 2nd Floor.

Every Saturday:

B'nai B'rith Hillel Foundation Services. 9:30 a.m., Roth Quad Dining Hall: Conservative - 2nd Floor; Orthodox - Lower Level (followed by Kiddush).

Non-instructional Life Drawing. 9:30 a.m.-12:30 p.m. Room 4218, Staller Center for the Arts. \$2/students; \$6/non-students; \$30/six sessions. No preregistration necessary.

UNION CRAFTS CENTER

To register, call 632-6822 or 632-6828.

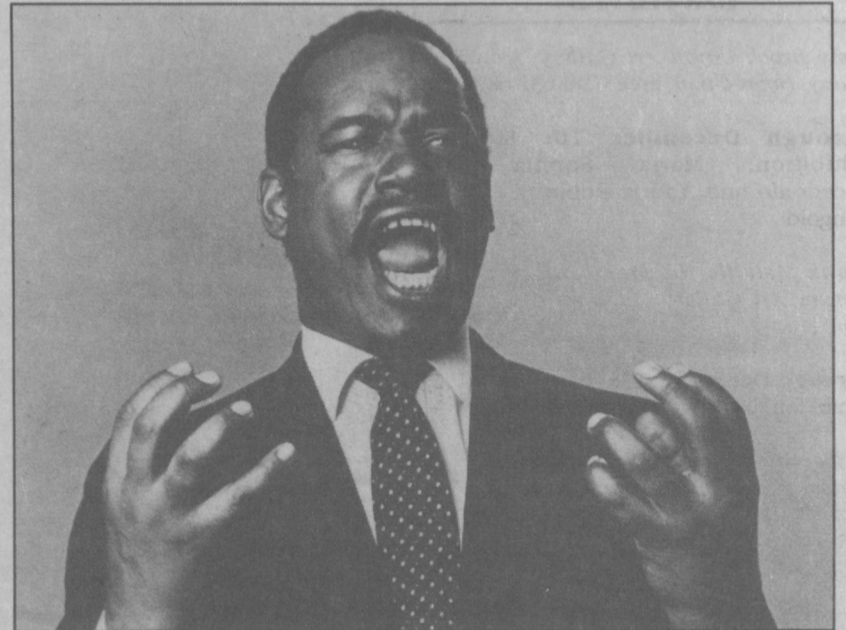
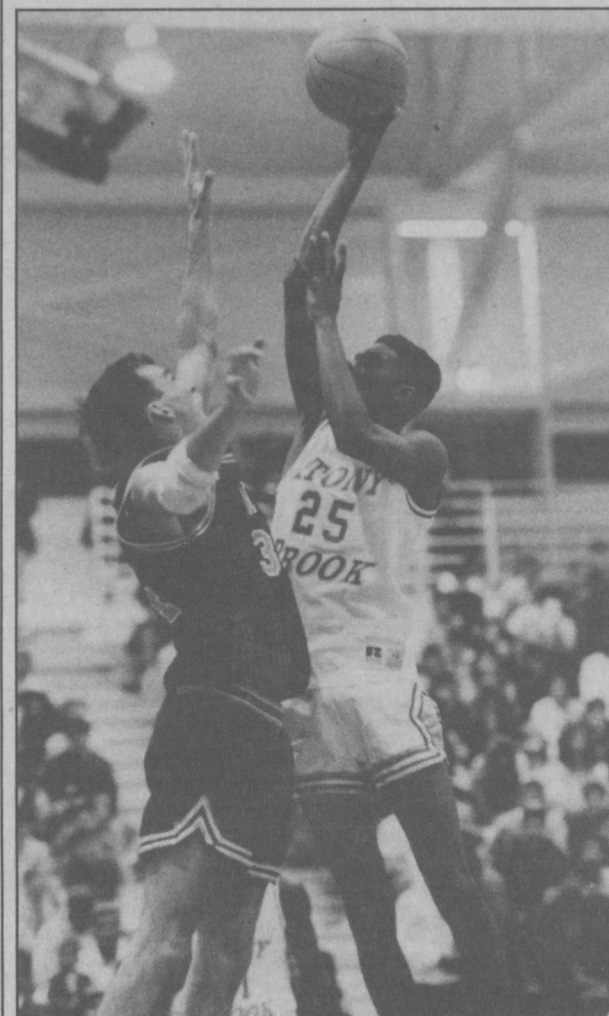
December 3 & 10: Non-instructional Life Drawing Workshop. 7:30-9:30 p.m. SB Union Crafts Center. \$5 at door.

ATHLETIC EVENTS

Indoor Sports Complex unless otherwise noted. Call 632-7200.

December 1: Men's Basketball vs. Old Westbury. 7:30 p.m.

December 3: Men's Swimming vs. Albany. 7 p.m.



Actor Al Eaton will present "MLK: We Are the Dream" on January 27.

Remembering Martin

The university will honor the memory of the Reverend Martin Luther King, Jr. at a celebration on Thursday, January 27, in the Staller Center Recital Hall at 7 p.m. The program will feature Al Eaton's one-man tour de force, "MLK: We Are the Dream." Eaton recreates with extraordinary realism some of the Rev. King's most famous speeches and brings to life a range of characters whose personal reactions - from Black Panther to Uncle Tom - form a history of the Civil Rights movement. The show has been broadcast on network television and was performed in New York City.

Also at the celebration, the winners of this year's Humanitarian Scholarships commemorating Martin Luther King, Jr. will be announced. The Stony Brook Gospel Choir, under the direction of Jonathan Walters, will join the celebration.

Tickets are \$6; \$3 for students. To order, call the Staller Center Box Office at (516) 632-7230.

December 4:

Women's Swimming Stony Brook Defender's Cup. 11 a.m. Trenton State, Albany, Southern Connecticut, William Paterson.

Men's Basketball vs. Salve Regina. 2:30 p.m.

December 5: Men's Basketball vs. Staten Island (Skyline Conference game). 2:30 p.m.

December 5: Men's Basketball vs. Staten Island (Skyline Conference game). 2:30 p.m.

December 7:

Squash vs. Yale. 4 p.m.

Women's Basketball vs. Mt. St. Vincent. 7:00 p.m.

December 8: Men's & Women's Swimming vs. New York University. 5 p.m. Pool.

December 11:

Men's & Women's Indoor Track Stony Brook Invitational. 10 a.m.

Squash Annual Reunion. Noon.

December 21: Men's Basketball vs. Dowling. 7:30 p.m.

January 8: Men's Basketball vs. Plattsburgh State. 2:30 p.m.

January 9: Men's Basketball vs. Carnegie-Mellon. 2:30 p.m.

Concert Features Competition Winners

The University Orchestra, a spirited ensemble of student and community musicians led by Maestro Jack Kreiselman, will present an autumn concert on Thursday, December 2, at 8 p.m. in the Staller Center for the Arts.

The orchestra will perform Haydn's Symphony no. 101 and J.S. Bach's Concerto for two violins, featuring violinists Michael Norton and Andrew White, both Stony Brook undergraduates.

Also on the program are Haydn's Cello Concerto, with cellist Jeremy Hake, and Telemann's Suite in A minor, featuring flutist Jennifer Coleman. The two soloists are winners of this semester's undergraduate concerto competition.

Bizet's "L'Arlesienne Suite no. 1," under the baton of guest conductor Paul Satzman of Suffolk Community College, will complete the program.

The concert is free, but donations to cover expenses are welcome. For further information, contact the Music Department at 632-7330.

EVENTS

EDITED BY GILA REINSTEIN (632-9116)



Jazz Ensemble members David Reinstein (trombone), Brian Sullivan (trumpet) and Greg Sevian (tenor saxophone), swinging at a recent concert.

Jamming at Staller

The Jazz Ensemble, under the musical direction of Steve Salerno, will give its winter concert on Thursday, December 9, at 8 p.m. in the Recital Hall of the Staller Center for the Arts.

The performance will feature instrumental and vocal selections that range from the early roots of jazz to the eclectic styles of today. On the program are "All Blues" by Miles Davis, "Stratford Stomp" by Don Thompson, "Segment Diverse" by Charlie Parker, "Take the Coltrane" by Duke Ellington, "The Moontrain" by Woody Shaw, "Thou Swell" by Rodgers and Hart, and more. New works by members of the Jazz Ensemble will also be performed.

The Jazz Ensemble includes 14 instrumentalists and one vocalist, undergraduate Gena Asseo. There's a full rhythm section of piano, two guitars, double bass and drums, as well as two trombones, two trumpets and five saxophones.

Admission is free. For further information, contact the Department of Music at 632-7330.

Holiday Double Bill on Stage

The Department of Theatre Arts, in one performance, presents a two-for-one holiday treat, the Wakefield Master's *The Second Shepherd's Play* and Romulous Linney's *Why the Lord Come to Sand Mountain*.

Graduate theatre student Matt Roth directs this holiday visit with an old mountain woman who tells the centuries-old Nativity tale of the "second shepherd" along with an unusual, humorous Christmas story. Set in Appalachia, both plays celebrate the season with a stirring demonstration of faith and family values through the magical power of storytelling.

Shows are Thursday, December 2-Sunday, December 5, and Thursday, December 9-Saturday, December 11. Show time is 8 p.m. Thursday through Saturday, and 2 p.m. Sunday. All performances will be in Theatre One of the Staller Center for the Arts.

Featured in the cast are Amy Budd, Andrew Roth, Eugene Daniels, Mark Wilson, Jonathan Webb, Debra Guinther and Kim Rojy.

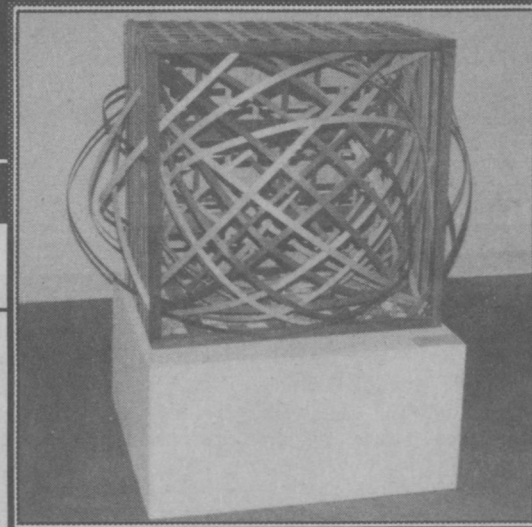
Tickets are \$8; \$6 for students, faculty, staff, alumni and senior citizens. For tickets, call the Staller Center box office at 632-7230.

Gallery Spotlights Two Students

The Union Art Gallery will show works in an unusual variety of media by two senior art majors, Andria Reingold and Maria Sophia Macedonio.

On exhibit, through Friday, December 10, are sculptures and constructions in wood, alabaster, and metal, along with intaglio, paintings, lithographs and vinyl-on-glass.

Ms. Reingold, whose work is influenced by Picasso as well as by Stony Brook professors Toby Buonagurio, Martin Levine and (former faculty member) Joseph Fucigna, plans a career in commercial art. Her style is visual, experiential and (mostly) abstract. In contrast,



"Conflicting Forms," a wood construction by undergraduate art student Andria Reingold.

Ms. Macedonio's work is intense and cerebral, with echoes of cubism and surrealism. She plans a career in art therapy and has a double major in psychology and art.

The gallery, on the second floor of the Stony Brook Union, is open noon to 4 p.m. and by appointment, Monday through Friday. For additional information, call 632-6822.

Diversity of Abilities Month Observed

A team of Stony Brook faculty, staff and student volunteers will take on the Nassau County Kings Wheelchair Team on Friday, December 3, in an exhibition basketball game that will inaugurate the celebration of Diversity of Abilities Month on campus. The University Kick-line will perform at halftime, and fans will have the opportunity to win a prize donated by music star Billy Joel. The game, intended to highlight the talents and skills of those who have disabilities, begins at 7:30 p.m. in the Pritchard Gym of the Indoor Sports Complex.

To help able-bodied members of the campus community understand the chal-

lenges people with disabilities face every day, two "BUDDIE (Because U Don't Do It Everyday) Days" have been designated. On Monday and Tuesday, December 6 and 7, able-bodied students and staff will be paired with students and staff who have physical disabilities. Partners will spend the day together, following the schedule of the physically challenged person. Blue flags will be placed at locations like heavy doors, cracked pavement and uneven curb cuts to mark obstacles to accessibility.

BUDDIE partnerships take place both days between 9 a.m. and 4 p.m. To volunteer, call Sylvia Geoghegan in Disabled Student Services at 632-6748.

Making Beautiful Music Together

The Stony Brook Symphony Orchestra and Chorale will present a concert together on Saturday, December 4, at 8 p.m. on the Main Stage of the Staller Center for the Arts.

The program will feature Handel's haunting but little-known work, "The Ways of Zion Do Mourn," a funeral anthem composed in memory of Queen Caroline, wife of England's George II, who died in 1737. Biblical selections provide the text for this 12-movement piece, which moves from a mood of solemn sorrow through desolation to majestic hope. Following an introductory instrumental "Sinfonia," the first choral movement is based on a Lutheran hymn that Mozart was later to borrow for his *Requiem*.

The Stony Brook Symphony Orchestra, under the baton of Bradley Lubman, is the university's premier graduate ensemble whose members are music students from all over the world. The Stony Brook Chorale, conducted by Timothy Mount, is a select 60-member student and community chorus.

Also on the program that night will be Schoenberg's Chamber Symphony No.



1 and a piccolo concerto by Vivaldi, featuring Michael Laderman, winner of this fall's Concerto Competition.

The audience is invited to a preconcert dialogue between Maestro Lubman and Mark Lederway, classical music host of WUSB, at 7 p.m. in the Recital Hall.

Tickets are available at the Staller Center Box Office at (516) 632-7230. Tickets are \$10 for the general public; \$8 for alumni, senior citizens and students.