

# CURRENTS

UNIVERSITY AT STONY BROOK • SUNY •

FEBRUARY 1994

VOLUME 12 NUMBER 1

## Governor's Budget: No Cuts in 1994-95

**T**he State University of New York, in general, and Stony Brook, in particular, were treated reasonably well in Governor Mario Cuomo's 1994-95 executive budget. The governor fulfilled his promise to fund inflation and negotiated salary increases fully, and no lump-sum budget reductions have been allocated to SUNY. If passed by the Legislature, it will be the first budget in six years that has not subjected SUNY and Stony Brook to mandatory cuts.

Nonetheless, Stony Brook still has a \$2.25 million deficit from 1993-94 and at least another \$2.3 million in new obligations and commitments to address. Initial projections for phase one of 1994-95 indicate a need for a local budget cut on

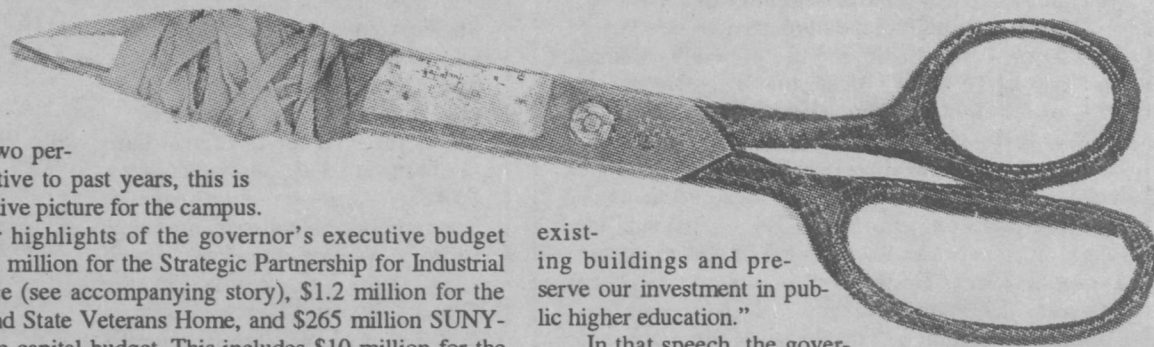
the order of two percent. Relative to past years, this is still a positive picture for the campus.

Other highlights of the governor's executive budget include \$7 million for the Strategic Partnership for Industrial Resurgence (see accompanying story), \$1.2 million for the Long Island State Veterans Home, and \$265 million SUNY-wide in the capital budget. This includes \$10 million for the Graduate/Research Initiative, \$5 million for technology initiatives, and \$30 million in academic facility rehabilitation at individual campuses, a sum that appears to fund both planning and construction for "Life Sciences II" and planning for phase two of the Student Activities Center. In addition, the budget provides \$20 million in bonding authority for residence halls and \$15 million in bonding authority for SUNY hospitals. "We must invest in sound, up-to-date facilities" to "protect the excellence and appeal of our public universities," Governor Cuomo said in his January 6 State of the State Address, "moving ahead with more projects to modernize

existing buildings and preserve our investment in public higher education."

In that speech, the governor praised SUNY for placing five institutions among *Money* magazine's "best buys" and said he "applauded" Chancellor Johnstone, Chancellor Reynolds and the SUNY and CUNY trustees for "their leadership in steering our two public universities through a difficult period..."

In addition, he said he has directed his staff to prepare legislation that gives SUNY's Health Sciences Centers at Stony Brook, Buffalo and Brooklyn the flexibility to enter into managed care programs and community networks now available to other academic hospitals.



### Governor Proposes Engineering Partnerships

In his 1994 executive budget released January 18, New York State Governor Mario Cuomo included \$7 million — \$2 million for operating expenses and \$5 million for capital projects — to fund the "Strategic Partnership for Industrial Resurgence" (SPIR), a new program that will strengthen ties between engineering programs at four SUNY campuses (Stony Brook, Buffalo, Binghamton, and New Paltz) and New York State business.

SPIR will promote sharing of staff and facilities, support joint university-industry grant applications, assist small manufacturers in developing new products and improving productivity, and aid defense-related industries in diversifying. In addition, the program will create a "virtual university" to enable students and industrial partners at each of the four campuses to access courses and resources available at any other site.

Gov. Cuomo says the initiative will expand the capacity of Stony Brook's College of Engineering and Applied Sciences "to help companies on Long Island compete in the global technology market."

"The Strategic Partnership for Industrial Resurgence adds value to what Stony Brook is already doing with regional industry through our Engineering 2000 Program," say Yacov Shamash, dean of Stony Brook's College of Engineering and Applied Sciences. "By sharing resources with other SUNY engineering programs for the common goal of economic growth, we believe this will spark the economy of Long Island and New York State."

SUNY's engineering schools have the collective expertise of more than 250 full-time engineering faculty, with more than \$30 million in annual research expenditures. Through SPIR, the newly networked campuses will help fulfill state goals for job creation and retention, particularly in regions hardest hit by the decline in defense and in traditional industries.

One component of SPIR is EngiNet, a computer network connecting the four campuses with each other as well as with private industry. This will allow students to take advantage of offerings at other campuses, researchers will be able to share resources, and companies will have greater access to technical know-how.

### Biotechnology Center, American Cyanamid Join Forces

In the first strategic alliance signed by the SUNY Research Foundation on behalf of any state university campus, the Center for Biotechnology and American Cyanamid Company have agreed to support joint biotechnology research.

"This is a landmark accomplishment," notes center director Glenn Prestwich.

The agreement calls for Cyanamid's medical research division (Pearl River, NY), to select research projects under grant programs sponsored by the Center for Biotechnology.

Cyanamid's pharmaceutical division, Lederle Laboratories, will have the worldwide rights to market agents resulting from the collaboration.

The agreement begins immediately and contains an option for renewal in three-year increments. Cyanamid and the center will contribute equally to the support of first-year grants exploring uncharted areas in the design and discovery of new pharmaceutical agents. Promising projects selected for further development will receive an increasing percentage of support from Cyanamid.

### GIRLS EXPLORE SCIENCE CAREERS



Maxna Hicks

Chemistry Professor Michelle Millar demonstrates the properties of liquid helium to young women attending "The Symposium for Girls Exploring Mathematics and Science to Promote Gender Equity." The program drew over 300 future scientists to campus last month from high schools and junior highs around Long Island.

The program was sponsored by the Center for Science, Mathematics and Technology Education, the Center for Excellence and Innovation in Education and Suffolk BOCES II, to encourage girls to consider careers in science and technology.

**3** Interim Chiefs Named to Head Medical School and Medical Center.

**6** Cogeneration Construction Guide: How to Get From Here to There.

**8** Enrollment Assessment and Management explored and explained by Acting Provost Bryce Hool.

# People

**Edwin Battley** (Ecology and Evolution) is one of two American scientists invited to serve on the Biothermodynamic Committee to collect and evaluate data for the Commission on Thermodynamics of the International Union of Pure and Applied Chemistry... **Michele Bogart** (Art) has been appointed to the editorial board of *Winterthur Portfolio: a Journal of American Material Culture*, (University of Chicago Press)... **Barbara Frank** (Art) spoke at a conference in Mali, Africa, last March. She was elected to a three-year term as secretary-treasurer of the Arts Council of the African Studies Association, and is consulting editor of the journal, *African Arts*... **David Bouchier** (Sociology) gives social commentary every Monday on "Morning Edition" and Saturday on "Radio Pages," for National Public Radio, and in a biweekly column in the Long Island section of the *New York Times*... *The Play of Nature/Experimentation as Performance* (Indiana University Press) by **Robert Crease** (Philosophy) was published in December. The book draws analogies between scientific experiments and theatrical performances... **Ann Gibson** (Art) published "New Approaches to Art History" in *American Art*... **Dawn Greeley** (History) was awarded an Aspen Institute dissertation grant... **E. Ann Kaplan's** (Humanities Institute) "The Couch-Affair: Gender and Race in the Hollywood Transference," will be published in *American Imago, Special Issues*; "Film and History: Spectatorship, Race and The Transference," is forthcoming in *New Literary History*... **Donald Kuspit** (Art) has completed two books, *Signs of Psyche in Modern and Post-Modern Art* (Cambridge University Press) and *Albert Renger-Patzsch* (Aperture Foundation)... **Fred Preston** (Student Affairs) was invited to join the American Council on Education's Advisory Committee for the Cooperative Institutional Research Program and will be responsible for their annual freshman survey... **Michael Schwartz** (Sociology) is a visiting scholar of the Russell Sage Foundation... **Evan Sutter**, undergraduate electrical engineering student, received the Society of American Engineers Ehasz Giacalone Architects, P.C. Scholarship... **John Truxal** (Technology and Society) was inducted into the Engineering Hall of Fame of the American Society for Engineering Education. He has been a leader in bringing together liberal arts and technology education... **Gregg Sherman** and **Carlos J. Rivera**, first-year medical students, are winners of the School of Medicine Alumni Scholarship Awards... More than 180 faculty and staff were recognized with 20, 25, 30 and 35-year service awards in December. **Sidney Gelber** (Philosophy Emeritus) and **William Lister** (Mathematics Emeritus) were the 35-year recipients of service awards in this year's ceremony.

## APPOINTMENTS

**Donna Anselmo**, editor for the *Times-Beacon Newspapers*, to assistant news services coordinator in the University Medical Center... **Ellen Barohn**, freelance writer and marketing consultant, to news services coordinator in the University Medical Center... **Dorothy Heinzman**, academic counselor for the College of Management at Long Island University, C.W. Post, to senior staff assistant for the Honors Program... **Kate Larsen**, to manager of IFRs and Expenditures... **Howard J. Miller**, to assistant vice provost for special programs and director of the university's Educational Opportunity Program... **Richard Reeder**, director of laboratories in the Social and Behavioral Sciences, to acting vice provost for computing and communications... **Deborah Schreifels**, director of community relations for the Long Island State Veterans Home, to community relations coordinator in the University Medical Center... **Joan Hoff Torp**, associate executive director of Roosevelt Island's Coler Memorial Hospital, to director of nursing for the Long Island State Veterans Home.



Howard J. Miller

# News Briefs

## Middle States Accreditation Update

The university is preparing for reaccreditation, a process that includes a visit by the Middle States evaluation team April 10-13. To prepare for the visit, the Middle States Accreditation Steering Committee has written a self-study, now in draft form. Copies are available to the campus in the Frank Melville, Jr. Memorial Library and all of its branches, the Stony Brook Union information desk and East Campus Student Center. Calling it a "dynamic" document, steering committee chair Jerry Schubel said he welcomes comments and suggestions.

Forums on the document have been scheduled as follows: Tuesday, February 1, 10 a.m.-noon, Alliance Room, Frank Melville, Jr. Memorial Library; Wednesday, February 2, 12:40-2:00 p.m., Javits Lecture Center, 109; and Thursday, February 3, 1-3 p.m., L-4, Vice President's Conference Room, HSC. RSVP to Christine Campbell at 632-9437.

On February 7 the Steering Committee will present the draft report to the University Senate and seek its comments. The final version of the self-study must be delivered to Middle States by February 17.

## State and GSEU Reach Accord

A tentative agreement has been reached on a collective bargaining agreement between the State and Graduate Student Employees Union (GSEU), which represents 4000 teaching assistants and graduate assistants in the SUNY system. Major terms include a four percent across-the-board salary increase in each of the next two years and the introduction of a graduate student employees health plan, costs of which will be shared by the state and employees.

The pact will be effective upon ratification by the GSEU membership and will continue through July 1, 1995. When the agreement is ratified, SUNY will become one of only a handful of state universities with a union contract covering its graduate and teaching assistants. The GSEU bargaining unit is the largest of its kind anywhere in the country.

## Bypass Surgery Earns High Marks for Safety

A statewide study of cardiac bypass surgery released by the state Department of Health shows that University Medical Center maintains a top-tier position statewide and on Long Island in risk-adjusted mortality

rates in the three years between 1990 and 1992.

On Long Island, only St. Francis Hospital - which has a far smaller high-risk caseload - achieved a better rate. "It shows clearly that our surgeons are among the finest anywhere and, very importantly, clearly illustrates that we do not ration health care. We accept for treatment even the most difficult cases," noted Jordan Cohen, director of University Medical Center and dean of the School of Medicine.

## AIDS Quilt Returns To Campus in April

Stony Brook has received approval from the San Francisco-based NAMES Project Foundation to host a display of the NAMES Project AIDS Memorial Quilt Thursday, April 7-Saturday, April 9 in the Indoor Sports Complex.

Of the quilt's 25,246 panels, each one recalling the life of someone who has died of AIDS, 1,610 will be shown here. The display will be co-sponsored by the university and The AIDS Collective, a Long Island organization that provides community outreach and education.

Two workshops providing technical advice on how to make panels for the quilt will be given, one on Wednesday, March 2, and the second on Wednesday, March 16. Both sessions will be held 11 a.m.-4 p.m., in the Stony Brook Union Bi-level.

## Crafts Courses

The Union Crafts Center has something old, something new, and something for everyone this semester. Photography, pottery, raku, weaving, painting and sculpture will be offered once again, along with new classes in painting on silk, basketry, Majolica, Chinese thread ornaments and Ukrainian egg decoration.

Leisure classes in scuba diving, kayaking, bartending, vegetarian cooking, social dancing, wine appreciation, yoga and T'ai-chi-chu'an will also brighten the dark days of winter. New this time is "Ch'i" medicine ("life force"), taught by Tseng Yun-Xiang, an expert in Taoist massage and acupressure. This seminar will meet Tuesday, March 15, 7-10 p.m. in the Dance Studio of the Indoor Sports Complex.

Children's classes in mixed media, clay and basic guitar will begin in February.

For people who would like to work on their own in the Crafts Center's excellent ceramics, weaving or photography studios, memberships are available.

All classes have fees and all

require preregistration. All are open to campus and community. For further information, call 632-6822.

## Honing that Competitive Edge

The School of Continuing Education's Workforce Development Center offers retraining for professionals and support personnel seeking to enhance their skills and remain competitive in the workplace. Classes are offered throughout the year in subjects that include customer service, developing business plans, grant writing, public speaking and total quality management.

Individuals may enroll in the Professional Development Certificate Program or tailor a program to meet their needs. Day, evening and weekend scheduling is available. Dislocated workers may be eligible for funding through the Department of Labor. For information on eligibility, class schedule, fees and registration, call 632-7065.

## Obituaries

**Carole Adelman**, office manager in the Office of Financial Aid and Student Employment, died on January 12 of complications from a car accident December 5. She was 55 years old.

Mrs. Adelman is survived by her husband, Philip, two sons, Jeffrey and Mark, and daughter-in-law, Allison. She was a resident of Patchogue.

As *Currents* went to press, plans for a scholarship fund were underway. For information, call the Office of Financial Aid and Student Employment at 632-6848.

**Hillary Hayes**, 25, of Cold Spring Harbor was killed in a car accident January 11. Ms. Hayes was a senior majoring in Comparative Literature and Art History and had transferred to Stony Brook from C.W. Post in 1989.

**Dorothy O'Brien**, 59, a clerk in the Office of Financial Aid and Student Employment, died November 28. Mrs. O'Brien is survived by her husband, Nelson, a daughter, Lori, and two sons, Daniel and Robert. She was a resident of Selden.

**Bill Schulz**, chief fire marshal and a member of the university community for 20 years, died January 14 of cancer. Mr. Schulz is survived by his wife, Joanne, who works at University Hospital; his son, William Jr., who works in Physical Plant, and daughters Alice and Maria. He was a resident of Terryville and commissioner of its fire department.

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**Editor:** Gila Reinstein  
**Designer:** Kim Anderson  
**Periodicals Assistant:** Joyce Masterson  
**Student Intern:** Emily Pesa  
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## Fighting Infection

Under a law enacted in 1992, all of New York State's 300,000 licensed health care professionals – physicians, registered nurses, licensed practical nurses, dentists, dental assistants, podiatrists, optometrists, physicians assistants and specialist assistants – will be required to undergo mandatory training in infection control by July 1, 1994.

Stony Brook's William H. Greene, M.D., director of infection control and associate professor of clinical medicine at University Medical Center, has been a key player in making this ambitious goal a reality.

"This new curriculum grew out of the controversy surrounding Florida dentist David Acer, who transmitted the HIV virus to six of his patients," he says. As a result of that case, Congress passed a law instructing the Centers for Disease Control to minimize the possibility that health care workers infected with Human Immunodeficiency Virus and/or the Hepatitis B virus might transmit those viruses to their patients.

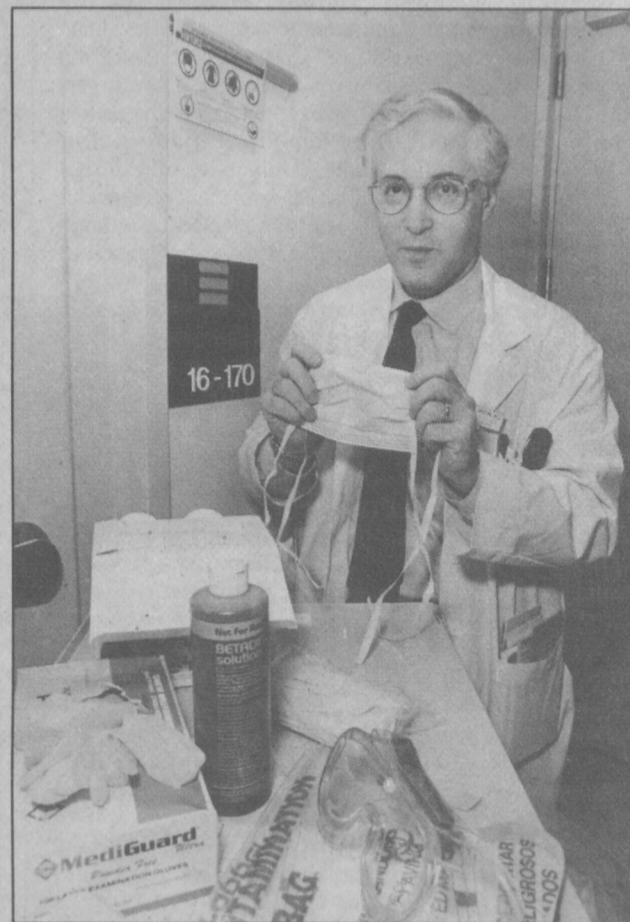
"The belief is that educating health care workers in proper infection control is the most rational approach to preventing viral and other organism transmission. While HIV has only been transmitted once that we know of to a patient or group of patients, Hepatitis B has been transmitted multiple times, almost always in a setting of improper infection control techniques. There is very good epidemiological evidence that use of proper infection control has stopped transmission in settings in which it had previously occurred," Dr. Greene adds.

Dr. Greene was invited to serve on the advisory committee for the New York State Departments of Education

and Health which prepared the mandated infection-control curriculum. A separate committee under the auspices of the Health Association of New York State's Hospital and Education Research Fund (HERF) helped devise the training manual that will be used as a guide for "train the trainer" sessions, in which trainees will be taught to instruct others in infection control techniques. The newly approved curriculum will be the official guide to the information that must be conveyed to all health care workers in the state, and the training manual will provide many of the specifics.

The program will benefit patients. "I think the public can soon expect its health care providers to have secured the latest information on infection control and prevention relevant to their practice. It should assure patients that their health care worker is at little risk of transmitting communicable infectious illness. At the same time, proper infection control will minimize the risk of transmission of such illness from patients to health care workers, a risk that is substantially greater than vice versa," Dr. Greene said.

The program will involve 28 train-the-trainer sessions to be held throughout the state. The certified trainers will then teach other health care workers, using the manual and teaching aids devised under a grant to HERF from the Occupational Safety and Health Administration. Health care workers will be required to attend infection control courses every four years to receive their required certification. Health care institutions will monitor the compliance of their staff; workers unaffiliated with institutions must demonstrate fulfillment of this educational requirement directly to the department that licenses them.



Dr. William H. Greene, associate professor of clinical medicine, demonstrates equipment used to control infection.

## Interim Chiefs Named for Medical School and Center

President John H. Marburger has appointed two faculty members to serve in key roles during the transition to a new dean of the School of Medicine and director of the University Medical Center.

Both titles are currently held by Dr. Jordan Cohen, who will assume the presidency of the Association of American Medical Colleges in Washington, D.C. later this semester. During the transition his responsibilities will be divided, with Dr. Najj Abumrad, professor and chair of the Department of Surgery, serving as acting dean and Dr. Michael Geheb, professor of medicine and associate dean for clinical affairs, serving as acting medical center director. Both appointments became effective January 1.

As acting dean, Dr. Abumrad will provide overall leadership for the School of Medicine's multiple missions until a new dean is appointed. As acting director, Dr. Geheb will have responsibility for developing and implementing the strategic initiatives for the medical care activities of University Hospital and the clinical faculty.

The search for a new dean and director of the medical center will begin next year and will be coordinated with the appointment of a new president, President Marburger said. "Because the new president should make the appointment of a new dean, the final phases of that search process will be concluded after a new president has been named."

## Patriots Hit the Big Time

For the first time ever, Stony Brook football made national television. OK, we lost to St John's University (Division I) in a heartbreaking last-second field goal, 17-14, but because the game was played early Thanksgiving Day, SportsChannel America covered it and the score was broadcast across the country all day long on CBS, NBC, ABC, ESPN, as well as locally on News 12.

"Because the game was nationally televised, we received coverage in the newspapers before the game, on game day, as well as following the contest," says Richard Laskowski, dean of physical education and athletics. "Our game was listed in *The New York Times*, next to the Syracuse vs. Rutgers and Georgia vs. Georgia Tech games, nationally respected academic and athletic institutions."

The move to upgrade the athletic pro-

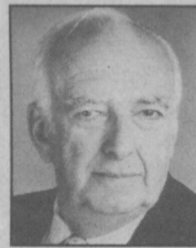
gram from Division III to Division I status is now in the second year of an NCAA-mandated five-year plan. "For the transition to Division I to succeed, we must show progress. National television exposure is one of the best means to achieve this objective," says Greg Economou, director of athletic development.

According to Dean Laskowski, the Division of Athletics hopes to make the game an annual event and is considering broadcasting other contests on SportsChannel in the future. "The publicity we received is not only a tremendous plus for the Division of Athletics, but for Stony Brook in general."

Drawing further recognition to the university, the basketball team will play at Madison Square Garden on Sunday, February 27, 2 p.m., following a noon contest between Syracuse and St. John's. For tickets and information, call 632-7200.

## KUDOS

### Lifetime Achievement Award to Burton Pollack



Burton R. Pollack, D.D.S., M.P.H., J.D., dean of Stony Brook's School of Dental Medicine, received the first "Lifetime Achievement Award" for his contributions to dentistry, law and education from the law firm Randall K. Berning and Affiliates at the sixth annual "Dentistry and the Law" conference, held recently in Chicago. The conference was presented by Randall K. Berning and Affiliates, in cooperation with the College of Dentistry at the University of Illinois and the School of Law at the Institute for Health Law at Loyola University.

Dr. Pollack's accomplishments include 46 years of experience in dental education and 30 years in dental practice. He received dental and law degrees from the University of Maryland in Baltimore and a degree in public health from The Johns Hopkins University. A Stony Brook faculty member since 1976, Dr. Pollack is director of the risk management program for the university's Dental Care Center. He is the author of 100 articles and has contributed chapters to 10 textbooks.

### Franklin Medal Awarded to C.N. Yang



Nobel laureate C. N. Yang has received the American Philosophical Society's Benjamin Franklin Medal.

Dr. Yang was honored for his "profound and original contributions to physics, especially the non-conservation of parity and non-Abelian gauge fields which laid the foundations for new intellectual structures, and [for] a love of mathematical beauty which helped him reveal the mysterious workings of nature." Founded by Benjamin Franklin, the organization is the nation's oldest learned society.

The honor held particular significance for Dr. Yang, who had renamed himself Franklin when he arrived in the United States in 1945. He recalls, "I thought it would be inconvenient or impossible for my American friends to pronounce my Chinese given name, Chen-Ning. So I decided to give myself an informal name more familiar to the Americans." Dr. Yang had long admired Benjamin Franklin, impressed by "his wisdom, vitality, wide-ranging interests and, of course, his great achievements in so many spheres of human activities. I did not like to name myself 'Benjamin,' because during the war the Big Ben in London was very famous, and I did not want to be confused with a clock."

Since 1965, Dr. Yang has been Albert Einstein Professor of Physics and director of the Institute of Theoretical Physics at Stony Brook. He received the Nobel Prize in 1957, along with Tsung-Dao Lee, for discoveries in particle physics. Other honors include the Rumford Prize in 1980 and the National Medal of Science in 1986.

# Equestrian Team Rides High



Captain Diette Ridgeway and Baliking at Smoke Run Farm, where Riding Club members train.

By Emily Pesa

Stony Brook's Riding Club competed in five horse shows during the Fall semester and won every one. In December, the equestrians were invited to ride against 20 of the best teams in the United States in the Tour of Champions Horse Show in New Jersey. In fact, since 1967, the club has been a major force in state and national equestrian competitions, taking top national honors in 1973 and 1980 and competing at the national level every year.

"We're one of Stony Brook's best kept athletic secrets," says acting captain and club vice president Diette Ridgeway, who is a senior political science/English major.

Last year the riders came in first place at the Regional Horse Show in Rocky Point, besting their most formidable opponent, Suffolk Community College, which is coached by a former Stony Brook rider. Other teams in the region are Adelphi, Hofstra, Nassau Community College, St. Joseph's Academy, Molloy College, C.W Post, Pace and St. John's.

Smoke Run Farm's George Lukemire, coach for 27 years, and co-coach Joan Johnson have high hopes for a repeat performance in this year's regional competition, since the team has already accumulated 35 points more than its closest rival. If they win on that level, they will represent the region in the Zone Horse Show at the University of West Virginia, where success would lead to a spot at the Intercollegiate Horse Show Association National Horse Show competition in May at Texas A&M University. The toughest competition the team faces at the zone level is from Penn

State and Delaware Valley College.

The members of the team represent different skill levels, from beginner to advanced. Among them are Julie Knowles, Tina Goldkind, Melissa Purdue, Rebecca Ploth, Salomon Martinez, Josephine Angilletta, Sharon Stauch (team president), Ms. Ridgeway and others. The roster has about 25-30 riders, including two men. They practice Saturday mornings and compete locally from mid-October through mid-November, and again from mid-February through mid-March.

Riding is not an NCAA sport, in part because males and females compete against each other instead of on separate teams.

The club receives its funding through the Student Polity Association rather than through the Department of Physical Education and Athletics and is not formally recognized as a team.

There are eight classes to a competition, and points are accumulated in each class. Riders are qualified as beginner, novice, intermediate and open, and the competitions test a rider's ability to take an unfamiliar horse through its paces: walk, trot, canter and jump. Alumni are permitted to compete in special categories, both in the flat and fences categories.

Horse shows are hosted in turn by all the clubs around the region on Sundays during the season. Hosts provide the horses, courses, fences, judges and prize ribbons.

"The love of the sport and the love of the animals are why people get involved," says Ms. Ridgeway.

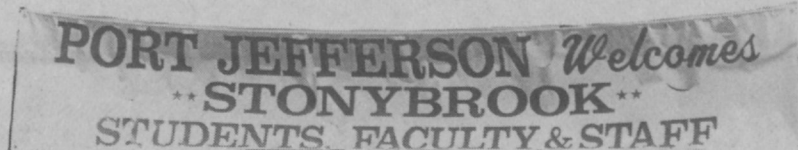
## Turning Port Jeff into a College Town

Stony Brook students need a college town to call their own, and the university and the Village of Port Jefferson are working on it.

To encourage a mutually beneficial town/gown relationship, the Undergraduate Project Steering Committee and the Port Jefferson Chamber of Commerce have teamed up to establish a semester-long, paid internship to allow undergraduates to develop a plan that brings the university and the village closer together.

The internship, which will involve two or three Stony Brook students, will require each participant to work 15-20 hours a week in exchange for \$1,000. Working as a team, the interns will meet regularly with the Chamber of Commerce and the Undergraduate Project, as well as develop focus groups to determine which activities, events and programs are most in demand. They'll address issues of cost, transportation and discounts. At the end of the semester, the interns will present their business and marketing plan to a joint meeting of the Undergraduate Project and the Port Jefferson Chamber of Commerce.

"This internship provides a unique opportunity for students to be creative, to develop entrepreneurial and networking skills, and to shape the nature of student life at Stony Brook," says J.R. Schubel, dean and director of the Marine Sciences Research



Center

and chairperson of the Undergraduate Project Steering Committee. "Not only will it be a valuable exercise for the students, it will also promote open dialogue between area merchants, the county and the university."

The Undergraduate Project, a university-wide initiative created in December, 1992, by Stony Brook President John H. Marburger and Provost Tilden G. Edelstein, is charged with improving Stony Brook's undergraduate enterprise. Among the needs identified by the committee is the need for a college town where students, faculty, and staff can feel part of a community that extends beyond the boundaries of the campus and offers a wide array of activities that supplement and enhance the quality of life at the university.

Although not contiguous to the campus, Port Jefferson is seen as an ideal location to visit after class or work or on the weekends for shopping, eating and recreation. In addition, the Port Jefferson community will be encouraged to take part in campus programs, activities and events.

Applications for the internship will be accepted through February 11. For information, contact Christine Campbell at 632-9437.

## Honoring WUSB-FM

The University at Stony Brook's campus radio station - WUSB-FM 90.1 - was recently nominated for two 1994 Gavin Awards. These awards are presented annually by the Gavin Report, one of the music/radio industry's most influential trade publications. Gavin Report readers cast ballots in a variety of categories, and winners will be announced later this month.

WUSB was one of five nominees for the College Radio Station of the Year, joining KACV-FM (Amarillo Junior College, Amarillo, TX), WRAS-FM (Georgia State University, Atlanta), WWVU-FM (University of West Virginia, Morgantown, WV) and KUSF-FM (University of San Francisco, San Francisco).

In addition, Erika Tooker, a non-matriculated student, was one of five nominees for College Music Director/Program Director of the Year. She was named along with music directors from Las Vegas, Amarillo, Santa Cruz and Cleveland. Ms. Tooker has been a volunteer at WUSB for three years, serving as program director, disk jockey and engineer. She works with independent and major label companies to make sure that WUSB receives new releases and communicates information about station programming to several trade publications. She has also served as a panelist at college radio conventions, including the CMJ Music Marathon and the Intercollegiate Broadcasting System National Convention.

## Undergrad Debuts At Carnegie Hall

Christine Goerke isn't a household word...at least not yet.

But if choral master Robert Shaw is right, it won't be that way for long.

Ms. Goerke, a 24-year-old senior, made her Carnegie Hall solo debut in Mr. Shaw's January 23 production of Britten's "War Requiem."

Ironically, Ms. Goerke never considered a career as an opera singer. In fact, when she tried out for her high school chorus, she was advised to stay in the band! By the time graduation rolled around, she had committed herself to the notion that she would become a professional clarinet player and teacher.

And that's what would have happened had it not been for a classroom sight reading and singing exercise that quickly convinced her professors they had an opera singer in the making. Ms. Goerke took the cue and has been studying vocal music at Stony Brook since 1989.

Last year, she beat out competitors from around the country to win one of four soprano spots in the coveted Glimmerglass Opera Young Artist Apprentice Program. In 1992, she was chosen for the Robert Shaw Festival Singers in France and appeared with Mr. Shaw in November in a series of concerts in Atlanta.



# RESEARCH

EDITED BY SUE RISOLI (632-6309)

## 20/20 Vision of Long Island's Coast

**A**t the Long Island Coastal Conference last spring, participants took a long look into the future and worked on simulations of what might happen to Long Island Sound and its coast in the year 2020.

The results of that meeting were recently released in a report.

At the conference, 160 businesspeople, scientists, engineers, environmentalists and concerned homeowners gathered to explore the relationship between Long Island's environment and economy. The meeting was sponsored by the Marine Science Research Center (MSRC); the Long Island Association; Nassau and Suffolk counties; the New York State Office of Parks, Recreation and Historic Preservation; and New York Sea Grant.

To examine potential futures for Long Island, participants tried "scenario planning," a technique frequently used by the military and private business to envision a range of futures and identify key decisions that would shape their development. In order to plot these futures, participants consider the interaction between predetermined events (conditions that exist regardless of societal intervention) and critical uncertainties (factors that are more interactive with human decisions) within the boundaries of a particular scenario; each scenario sets the stage for how the future might play itself out.

Conference participants first decided what sort of environmental future they'd like Long Island to have in the year 2020. They were then divided into four teams, each assigned one of the following scenarios: "Mother Knows Best" (allowing

Mother Nature to take its course undisturbed); "Between a Rock and A Hard Place" (protecting the coastline only with solutions made of concrete and rock, such as jetties, bulkheads, groins or revetments); "We Have Not Yet Begun to Fight"; and "People and Nature: A Partnership in Sustainable Development." The first two scenarios represented extremes in coastal management; the latter two took a more moderate approach.

"Very quickly people realized that neither one of the extreme scenarios was what they wanted for Long Island," says J. R. Schubel, MSRC dean and director. "Both were inconsistent with the kind of future they had already decided on."

The planners arrived at a consensus that, as Dr. Schubel says, "extremes don't work. It became clear that we have to operate intelligently, using the best science and technology that we have to ensure human use of these environments as well as natural values."

Several specific recommendations were made:

- fill breaches in the barrier island as quickly as possible;
- identify sources of sand (on land and offshore) for filling breaches and for beach nourishment projects;
- dredge inlets on a continuing basis;
- monitor changes in Long Island's coastline to trigger appropriate management before a crisis occurs;
- create a sustained program of research to enhance scientific knowledge of Long Island's coastal processes and how human actions affect those processes;
- increase public education on the importance of Long Island's coastal envi-

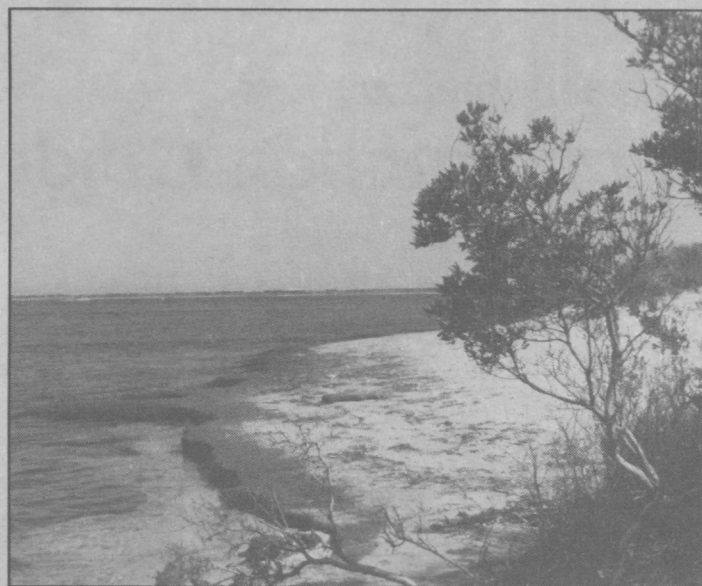
ronments to the economy;

- develop sources of revenue to provide stable funding for these activities.

The recommendations are consistent with the view that, says Dr. Schubel, "in some places you protect the coastline; in others you let Mother Nature take her course. It's a very specific strategy that has to be tuned to every segment of the shoreline."

The Long Island Coastal Conference, he states, "met and exceeded our expectations." Conference organizers hope to hold another conference, "to refine the scenarios,"

says Dr. Schubel. "Now that we've thrown out the extremes, let's do some futures mapping at a more specific level by applying it to natural coastline segments."



The Long Island coast as it looks today.

Ian Stupakoff

### Global Approach to Coastal Management

Experts from around the world convened at Stony Brook's Marine Sciences Research Center (MSRC) recently, for a two-day "electronic brainstorming" session on saving the planet's coastal oceans.

Two dozen scientists, managers and policy makers gathered in the MSRC's new, environmental problem-solving facility (known as the "Environmental War Room") December 13-14. Using networked computer technology and group problem-solving software, the participants identified major threats to the world's coastal oceans, causes of and solutions to these problems, and preventive strategies. The summit also examined coastal management in developing countries.

The high-tech meeting gave the group opportunities to devise new, even unorthodox ways to solve coastal crises. "The event was intended to stimulate discussion of different modes of research and management than we're used to doing," says J.R. Schubel, MSRC dean and director. The "summiters" were encouraged "to explore coastal resource management strategies that hadn't been tried before," says Dr. Schubel. Though networked computer problem-solving has been used before in industry and the military, "it's unusual to apply it to solving environment problems," he notes.

## Marriage of Math and Industry

Can manufacturing problems be solved with mathematical formulas? Absolutely, contends James Glimm, distinguished professor and chair of the Department of Applied Mathematics and Statistics.

Each step of the manufacturing process — basic research, applied research, product development, manufacturing engineering, production, marketing, and sales — has, at its core, quantitative relations which can be expressed in terms of a mathematical algorithm, Dr. Glimm says. By analyzing and adjusting these equations, industry can solve some of its most complex manufacturing problems and become more competitive in the global market.

With a five-year, \$1 million grant from the National Science Foundation and support from some of the nation's top manufacturers (Grumman, Boeing, Hughes Aircraft, and Intel, to name a few), Dr. Glimm and a team of Stony Brook industrial mathematicians are developing formulas to unravel some of the most difficult industrial problems facing manufacturers of composite materials, crystals and sophisticated computers.

Using industrial statistics, computational geometry, chaos theory, and two powerful supercomputers, the team is studying:

- how to reduce the size and number of

air pockets in composite materials manufacturing to develop stronger materials;

- how to reduce or eliminate flaws in crystals production;
- how to help computers respond to different tones and inflections for speech recognition;
- how to improve Computer Aided Design (CAD)/Computer Aided Manufacturing (CAM) Systems with computational geometry, the core of a new generation of virtual reality-based systems.

"In order to stay competitive, industry must invest in a multidisciplinary approach to solve manufacturing problems," says Dr. Glimm. "Engineers and industrial mathematicians approach problems in different ways. Engineers experiment and use trial and error. They also build models and simulate events in order to test an idea. To the mathematician, modeling, simulation and data analysis are fundamental: modeling is understanding the equations and the parameters of the problem, and simulation is solving the equations to understand and predict the performance of the manufacturing system.

"Each approach has its advantages, and industry needs to utilize them both," he adds. "Mathematicians and engineers complement each others' strengths. Companies that understand that will be more competitive."



Dr. Robert Cess

Maxine Hicks

### Weather Watch

Led by a Stony Brook faculty member, an international team of climate scientists has identified one of the most troublesome "bugs" in the computer models now used to project long-term, global climate changes.

Dr. Robert D. Cess and colleagues found that computer simulation models, used throughout the world to predict climate change, failed to account properly for increasing concentrations of carbon dioxide that worsen the "greenhouse effect." The error produced unreliable climate scenarios, say the researchers, that varied widely from model to model. Their findings were published in a recent issue of *Science*.

Directed by Dr. Cess, distinguished professor at the Institute for Terrestrial and Planetary Atmospheres, the research was part of a project sponsored by the Department of Energy. The project, begun in 1985, will "run until we have models reliable enough to accurately predict global climate change," says Dr. Cess.

The next step in the intercomparison, he says, will be studies of how computer models calculate seasonal changes in the Earth's cloud cover. "This is the big one, a key issue in how and why these models disagree," he explains. The discrepancies in the computer predictions "really point out why people should not work in isolation," he says. Once a year, the model intercomparison group — 35 scientists from nine countries — meets to share information. The next meeting will be held in Paris in July.

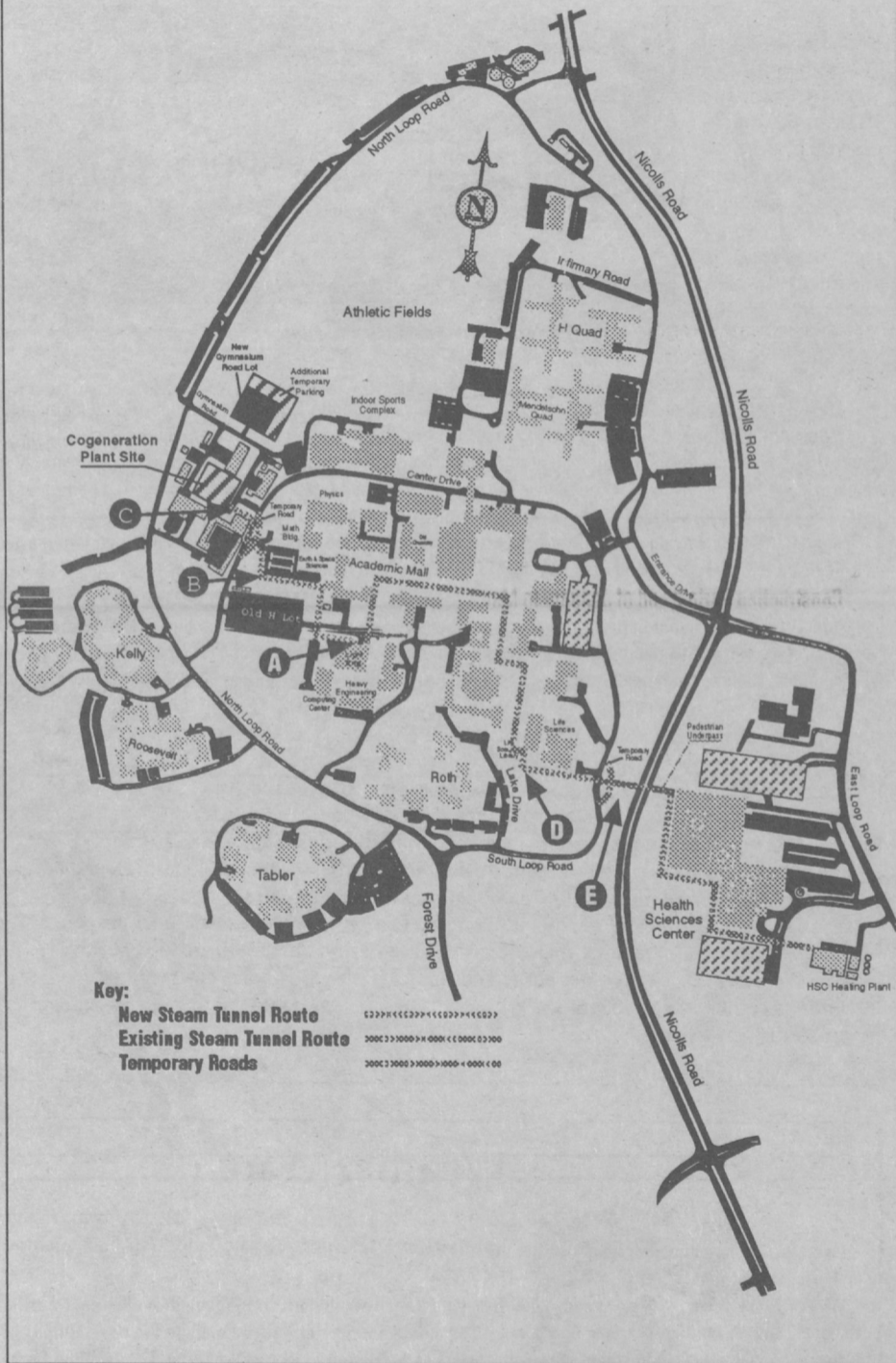
# Construction Starts On Cogeneration Plant

*Traffic, Pedestrian Disruptions Anticipated*

January-February 1994

## Construction Guide

(see detailed maps on other side)



Watch out for detours. Gird for delays. Construction has begun on one of the largest projects in SUNY history: a \$100 million, 40 megawatt cogeneration plant on the Stony Brook campus.

The cogeneration plant's large, gas-fired turbine will generate electricity, its exhaust heat by-product creating steam to heat and cool most campus buildings including University Hospital. When it goes on line, the Stony Brook plant will allow the campus to reduce its average \$2.5 million-per-month energy bill.

But in order to accomplish that goal, for the next 16 months, students, faculty, staff and visitors may have to walk a bit further, change their motoring habits and/or find a new place to park. That's because several new sections of the steam tunnel project zigzag through some of the most heavily trafficked areas of the campus. The steam tunnel — parts of which already exist under the Academic Mall — will link the cogeneration plant to the east campus power plant, providing it with a new primary source of steam. When the cogeneration plant becomes operational in 1995, the present east and west plants will serve as backups.

### A Tough Task

With blueprints and brightly marked maps spread before him, Carl Hanes runs

### WHERE TO GET INFORMATION

In addition to regular coverage, *Currents* will be issuing these abbreviated Special Construction editions each month, providing detailed information, maps and suggestions for alternate routes around construction sites. Weekly updates and schedule changes will appear in *Monday Memo*, a summary of major campus news posted electronically on *SBN* and distributed in a hard copy version at key locations around campus. You can also hear *Monday Memo* by dialing 632-NEWS. All construction schedules are approximate, subject to weather conditions.

his finger along a row of dots and dashes that mark the new section of the steam tunnel running between the Light Engineering building and the site of the cogeneration plant several thousand feet to the northeast. It is the point at which construction has begun.

Mr. Hanes, deputy to the president for special projects, has the difficult job of orchestrating the cogeneration construction schedule. He has been directly involved in all phases of the project since its inception more than four years ago.

"We didn't do this section of the steam tunnel in a straight line because we would have had to cut down one of the most beautiful wooded sections of the campus," he says, using his finger to trace the path of the new steam tunnel section along and through the Earth and Space Sciences parking lot and onto Center Drive, then over to the cogeneration plant site.

"We wanted to save as many trees as we could, so we devised a route that would have the least impact on the woods. We also built a temporary roadbed that will be put into use when the trenching reaches Center Drive so that vehicles can continue to use the road. We'll have to do the same thing

over by the Life Sciences building when the steam tunnel crosses South Loop Road," he explains.

### Ready By Summer, 1995

Although, in most instances, the concrete steam tunnel will be installed in a trench about 10 feet deep and ten feet wide, federal safety regulations require that the contractor go out a foot on each side for every foot down. As a result, the sloped trench will be 30 feet wide at the top. "When you add the fencing and equipment, you can imagine how much space the construction area has to occupy," Mr. Hanes points out.

What makes the western end of the steam tunnel project particularly challenging, he says, is that it intersects with a road being built to serve a new \$13.6 million student activities center which is now under construction in the middle of the campus. Together, the two projects will cut a wide swath through that section of the campus, creating mounds of dirt, construction fencing and detours, whether you walk or ride. "Although we're trying to keep the disruption to a minimum, there's no question that it's going to have a significant impact on how all of us get around the campus, particularly in this area."

Operational by the summer, 1995 cooling season, the four-story cogeneration plant will rise on a two-acre site that formerly housed a surface parking lot. A replacement lot just east of the site opened off Gymnasium Road this fall. Construction on the cogeneration building will begin once the turbine, boilers and other equipment are moved onto a thick concrete base.

In addition to the new power plant and several new sections of steam tunnel, the cogeneration project also includes some installation and connection work on the existing steam tunnel beneath the academic mall as well as installation of six miles of gas pipeline along the east side of Nicholls Road from Route 25, Centereach to the campus after which it will follow Loop Road to the cogeneration plant site.

### Work In Sections

The plant will be built by Walsh Construction under contract with Nissequogue Cogeneration Partners, a joint development corporation set up by Gas Energy Inc., a subsidiary of Brooklyn Union Gas and CEA USA Inc., a division of Public Service Enterprises Group Inc. of New Jersey. The corporation will build, own and operate the plant under a 20-year agreement with the state.

The steam tunnel portion is being done in sections, starting on the north side of the Light Engineering building and moving toward the Earth and Space Sciences parking lot. The next section will move through the ESS parking lot to Center Drive turning east and north past a group of campus service buildings to the cogeneration plant site.

To accommodate loss of the ESS lot, a temporary parking lot is being built adjacent to the new Gymnasium Road lot. Also, a brief stretch of temporary roadbed has been installed paralleling Center Drive and was scheduled to be put into service as of Monday, January 24.

"Vehicles will have to move slowly over the temporary roadbed — perhaps no more than five miles per hour to be safe — and this may cause some delays, particularly for buses," Mr. Hanes cautions. The temporary lanes will be in place through early May.

## Construction Laydown Sites Designated

Where do you put thousands of feet of concrete forms, steel pipe and the heavy equipment you need to move them?

In an area contractors call a "lay-down" site.

For the cogeneration project, the logical location was a vacant tract just east and adjacent to the South P Lot. A second, smaller laydown site has been created off Gymnasium Road for equipment and materials in immediate use.

"The South P Lot location is an ideal laydown area," says Carl Hanes, deputy to the president for special projects. "It gives

the contractor good access to his supplies and yet is far enough away from the surrounding community to be an eyesore." The site is also accessible to the large trucks hauling materials and equipment being used to build the plant and related facilities, he adds.

A nearby sump is being leveled with clean fill from the construction area. "For the past several months, we've been working with the community to the south and east to level this unused sump. The cogeneration project's clean fill will allow us to continue this effort," Mr. Hanes says.

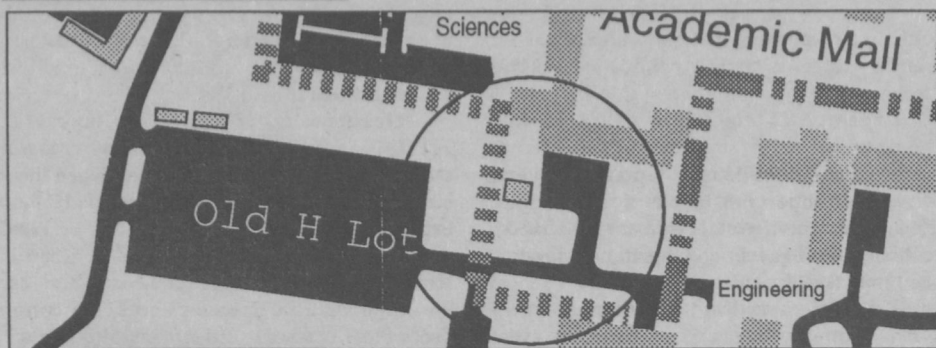
*Continued on page 7*

## What To Expect In January-February

# A Quick Guide To Getting Around Cogeneration Construction

\*All Construction Dates Are Approximate, Subject To Weather Conditions

### PROJECT A: ▼



**Description:** Steam Tunnel Installation from Light Engineering to the south side of the Earth and Space Sciences (ESS) parking lot.

**What Will Be Done:** A 30-foot-wide, 800-foot-long trench will be dug by machine from the north side of the Light Engineering building to the east side of the ESS parking lot. The construction area will be surrounded by chain link fence.

**Impact:** A walkway from the Old H Lot (south of the ESS lot) used by pedestrians to reach the center of the campus will be blocked off.

**Construction Period:** Now through mid-April.\*

**Best Alternative:** If you're walking from the ESS lot or the Old H Lot to the Math or Physics buildings and beyond, take the Center Drive path or head south and use the walkway between the Computing Center and Light Engineering. Or park in the new Gymnasium Road lot.

### PROJECT B: ▼

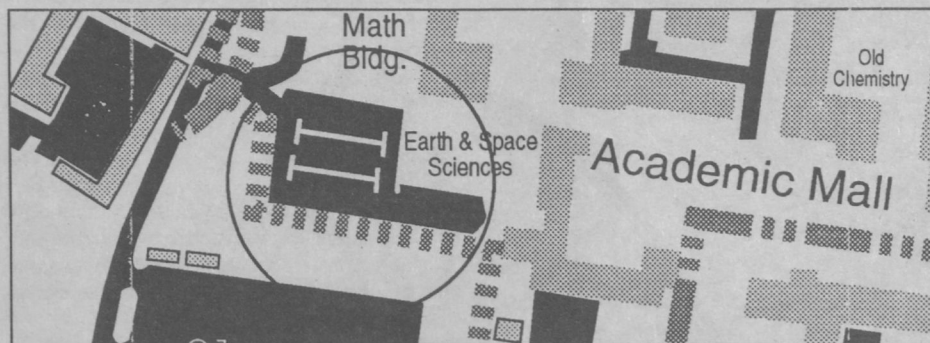
**Description:** Installation of a section of concrete steam tunnel from the Earth and Space Sciences parking lot to Center Drive.

**What Will Be Done:** A 30-foot-wide, 600-foot-long trench will be dug by machine along the south side of the ESS parking lot to Center Drive. The construction area will be surrounded by chain link fence.

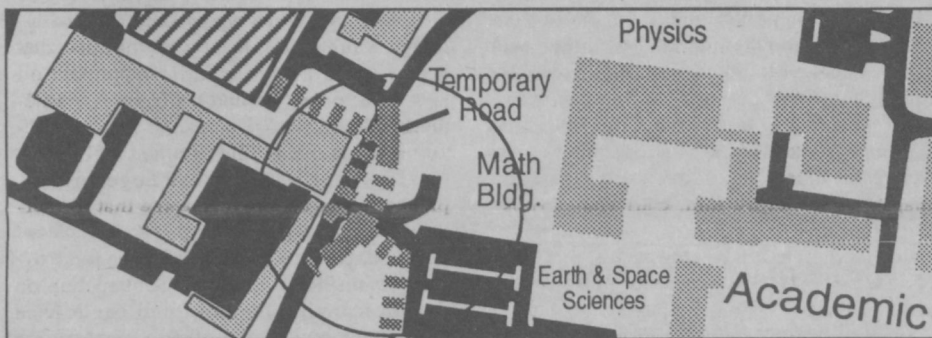
**Impact:** Some 145 parking spaces in the ESS lot will be temporarily lost.

**Construction Period:** February to early May.\*

**Best Alternative:** Those who normally park in the ESS lot should be able to find space in the new Gymnasium Road lot where 150-160 additional temporary spaces have just been added.



### PROJECT C: ▼



**Description:** Installation of a concrete steam tunnel along Center Drive to the cogeneration plant site.

**What Will Be Done:** A 30-foot-wide 300-foot-long trench will be dug by machine along the middle of Center Drive, swinging north and running along campus service buildings to the cogeneration plant site. A temporary two-lane bypass will be opened in the area to accommodate motorists who must use Center Drive. The ESS lot will be closed until this phase of construction is completed.

**Impact:** Motorists using Center Drive will be required to reduce speed to five miles per hour when traveling over the temporary roadbed. Campus bus riders may experience some delays.

**Construction Period:** End of January to May.\*

**Best Alternative:** Avoid Center Drive if you can. Allow extra time if you take the bus. Those who normally park in the ESS lot should be able to find space in the new Gymnasium Road lot where 150-160 additional temporary spaces just have been added.

### PROJECT D: ▼

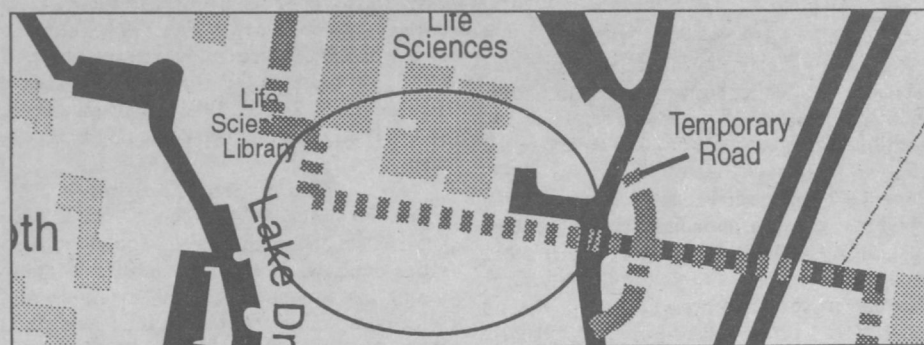
**Description:** Installation of concrete steam tunnel from the Life Sciences building to South Loop Road.

**What will be done:** A 30-foot-wide, 500-foot long trench will be dug by machine from the south side of the Life Sciences Library to South Loop Road. The construction area will be surrounded by chain link fence. A two-lane temporary section of South Loop Road will be built to accommodate vehicular traffic, but speed will be reduced to 5 miles per hour when traveling on the temporary lanes.

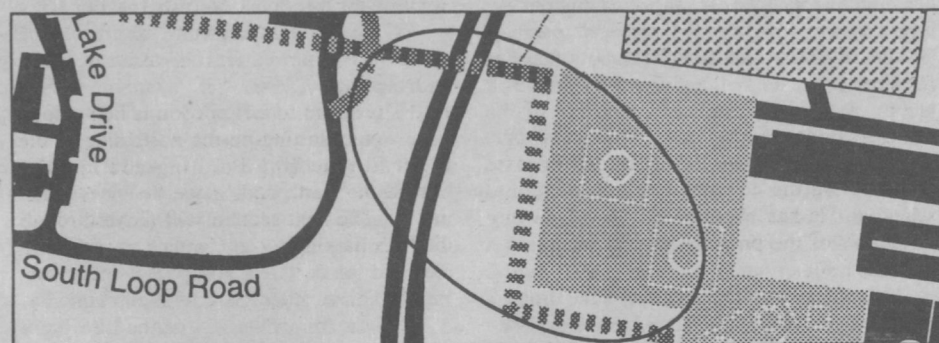
**Impact:** Motorists and bus riders will experience delays on this heavily traveled stretch.

**Construction Period:** End of February to May.\*

**Best Alternative:** Take Nicolls Road if you're heading to the south campus or take the North Loop to Forest Drive.



### PROJECT E: ▼



**Description:** Installation of a section of concrete steam tunnel from South Loop Road to the existing east campus tunnel system.

**What will be done:** A 30-foot-wide, 1,100-foot-long trench will be dug by machine from the east side South Loop Road through the Nicolls Road underpass that connects the west campus to the east campus in order to link up with an existing steam tunnel that starts at the Health Sciences Center and ends at the East Campus Power Plant. The underpass roadway, now used by pedestrians, will be blocked off.

**Impact:** Those traveling on foot and by bicycle will be able to use an adjacent, previously blocked pedestrian underpass which is undergoing minor repairs. The ramped pedestrian walkway leads to the second level of the HSC.

**Construction Period:** March to June.\*

**Best Alternative:** If you need to travel between both sides of the campus, use the pedestrian ramp or take the campus bus.

## Cogeneration Plant Construction Will Bring Delays, Detours Over Next 16 Months

Continued from page 6

Pedestrians will be directed to other paths in the same area, since fencing and trenching will block some footpaths used to access sections of the campus.

The Academic Mall will be affected, albeit to a lesser extent. "A tunnel already

exists under most of the Academic Mall and south to about the library area of the Life Sciences Building. We will be installing new underground piping at tunnel access points along the mall, setting up workmen's access points and fencing within a confined area. But pedestrians will be able to walk around these installations with relative ease," Mr.

Hanes says. Work on the existing tunnels in the Academic Mall will begin in mid-February and will run through early summer.

The last section of steam tunnel trenching will run along the Life Sciences Building stairs, across South Loop Road and through an existing underpass that links the west campus to the east campus and the first level

of the Health Sciences Center. While construction is underway, pedestrians will be directed to a repaired walkway that parallels the underpass roadbed and leads to the second level of the HSC. The remaining length of the steam pipe will snake through an existing utility tunnel that connects with the East Campus Power Plant.

# Establishing Future Enrollment Targets:

*Up to this year, the university had some latitude in meeting targets that had been set for tuition revenue to be generated by the campus. No longer.*

*Under a new SUNY mandate, campuses that fail to deliver the budgeted tuition revenue lose the difference.*

*"The fiscal considerations are motivating us to succeed in ways that make sense academically and institutionally," notes Deputy Provost Bryce Hool, who has established an integrated process for managing the multiple facets of enrollment.*

*In view of the increased budgetary significance of enrollment to Stony Brook, Currents presents two key documents on which enrollment planning is based. On page 9 is "Enrollment Management Process," which outlines the planning process, and an interview with Dr. Hool.*

*On this page is the "Enrollment Assessment Report," prepared by the Enrollment Issues Forum.*

*Below is the text of the Enrollment Issues Forum's "Enrollment Assessment Report" (December 1993):*

**Introduction:** Stony Brook's enrollment management process includes compilation of an annual enrollment assessment report during the fall semester. This report analyzes applications, admission, enrollment and retention rates and summarizes enrollment-related achievements.

**Total enrollment.** In Fall 1993, Stony Brook enrolled 17,205 students, 11,095 undergraduates and 6,110 graduate students. This number is slightly below the Fall 1992 enrollment of 17,232. Over the past ten years there has been a net increase of approximately 1,000 students, reflecting an increase of 1,600 graduates and a decline of 600 undergraduates. Since 1975, student workload has remained within two percent of 14,000 annual average FTE.

**Enrollment targets for 1993-94.** In Fall 1993, Stony Brook enrolled 200 more students than called for in its most recent enrollment plan but is 250 students short of the enrollment target SUNY used to calculate the campus tuition revenue obligation for 1993-94. SUNY's financial plan was based on an optimistic enrollment plan for 17,458 students that Stony Brook submitted in April 1992 when the campus had an exceptionally large current freshman class and a very strong application rate. The campus submitted a revised plan at SUNY's request in February 1993, which reduced the enrollment target to 17,012 to reflect the adverse effect of the *Newsday* series and Fall 1992 enrollment experience. However, for fiscal reasons, SUNY did not agree to a corresponding downward revision in the targets for enrollment and tuition revenue.

The difference between Fall 1993 enrollment and the financial plan target results from shortfalls in several student categories. The largest is in part-time graduate enrollment on the West Campus which is 440 below target, reflecting the adverse impact of the weak economy and the SUNY tuition increase on this price-sensitive group. On the West Campus, freshmen are 100 below target; transfers are 10 below target; full-time continuing undergraduates are 20 below target; part-time undergraduates are 180 below target, and full-time graduates are 130 above target. Health Sciences enrollment is 380 above target as a result of steady student demand and conservative enrollment projections.

**Tuition revenue.** With SUNY having established a campus tuition revenue obligation of \$47,945,200 early in 1993, preliminary enrollment projections indicated that Stony

Brook could face a tuition revenue deficit and corresponding budget cut in 1993-94 of up to \$2.7 million. Vigorous recruitment efforts during the spring substantially reduced this deficit, and Phase 2 of Stony Brook's 1993-94 budget assumed a \$1,575,000 tuition shortfall. The final amount cannot be established until Spring semester enrollment is known, but estimates based on fall enrollment suggest that the shortfall will be about \$1.3 million.

To further reduce this projected deficit, the provost increased the enrollment target for transfer admissions in Spring 1994 from 350 to 450.

**Enrollment plan for 1994-95.** In September 1993, the provost established enrollment targets for 1994-95 in consultation with the Enrollment Issues Forum and the Enrollment Executive Committee. The plan calls for constant total enrollment. It includes a more realistic target for part-time graduate enrollment on the West Campus than previous enrollment plans and a less conservative target for part-time graduate enrollment in the Health Sciences Center.

**Undergraduate admissions.** Stony Brook has 1,724 new freshmen in Fall 1993, up from 1,552 in 1992, when enrollment was adversely affected by the *Newsday* series. The campus also has 1,323 new transfers in Fall 1993 compared to 1,258 in 1992, including students admitted from other institutions into health sciences programs. Neither freshman nor transfer enrollment has reached the exceptionally high level achieved in 1991.

Stony Brook admitted 56 percent of the 12,512 students who applied for freshman admission in Fall 1993, a higher percentage than in Fall 1992 (53 percent) but a lower percentage than Fall 1991 (61 percent). Of those who were admitted, 25 percent enrolled. Fifty-six percent of all transfer applicants were admitted in Fall 1993, a higher percentage than in Fall 1992 (50 percent) but a lower percentage than Fall 1991 (59 percent). Of those who were admitted, 52 percent enrolled. These transfer data include students from other institutions entering health sciences programs.

The 1993 freshman class includes 164 EOP students. There are a total of 647 EOP students among Stony Brook's 9,744 full-time undergraduates.

**Academic credentials of freshmen.** The SAT scores of Stony Brook's freshman class have continued to rise in Fall 1993. The class as a whole has a combined average score of 1,009; excluding EOP students SAT scores average 1,020. In Fall 1991 the average score was 970, and the average, excluding EOP students, was 978.

While Stony Brook's average SAT scores are still below the other SUNY university centers and many selective public universities nationwide, they are similar to many strong institutions. Other public universities with comparable scores include Michigan State University, Ohio State University, University of Massachusetts at Amherst, and Indiana University at Bloomington.

**Scholarship programs.** The recruitment of high-achieving students for Fall 1993 was enhanced by increased scholarship offerings. For Fall 1993, Stony Brook awarded 158 scholarships to 130 incoming students. These scholarships total about \$300,000. In 1991 Stony Brook awarded new students only 35 scholarships, and in 1992, 63.

Stony Brook has four scholarship programs for high-achieving students. The Presidential Scholars Program offers support to outstanding students from selected high schools to enhance Stony Brook's relationship with those schools. The Honors College offers an academic program tailored to high achieving students, the option of living in a distinct living/learning center, scholarship support and other benefits. The Honors Program was begun in 1993 in response to the high demand for the Honors College. Students have access to departmental honors courses and some financial support.

The Freshman Scholars program, also new this year, brought 600 highly-qualified high school seniors and their families to the Stony Brook campus for a competitive examination.

Out of this group, 554 were admitted to Stony Brook and 230 enrolled, including 52 with scholarship support. Those who enrolled with scholarship support have a mean SAT score of 1,220 and a mean high school GPA of 93.0.

**Retention.** Stony Brook graduates about 56 percent of its full-time undergraduates with, in recent years, a slightly higher rate for transfer students than for those entering as freshmen (57 percent compared to 55 percent for students who entered in 1987). Eighty-three percent of the students who entered as freshmen in Fall 1992 and 73 percent of those who entered as transfers returned in Fall 1993. The freshman retention rate is a return to historical levels after an unusually low retention rate for freshmen entering in 1991 resulting from a revision in the requirements for academic good standing. The first-year retention rate for transfer students has been stable for several years.

Undergraduate attrition at Stony Brook is about the same as at Buffalo but higher than attrition at Albany and Binghamton. However, Stony Brook has a significantly lower attrition rate for Black students and a somewhat lower rate for Asian and Hispanic students. Stony Brook also has an exceptionally low attrition rate for EOP students. Forty-seven percent of all EOP students who came to Stony Brook in Fall 1985 were successful, compared to 55 percent of all students. The EOP programs at the other three SUNY university centers have an average success rate of 38 percent.

**Geographic origin of undergraduates.** Stony Brook draws about 60 percent of its undergraduates from Nassau and Suffolk Counties. The percentage from New York City has risen slightly in the last three years, from 28 percent to 30 percent; 6.5 percent are from other parts of New York State, primarily Westchester and Rockland Counties. Less than two percent of all undergraduates are from other states, and three percent are foreign. With funding from the Undergraduate Initiative, Undergraduate Admissions has begun a program this year to recruit more out-of-state students. Sixty percent of all full-time undergraduates live on campus.

**Demographics of undergraduates.** More than half - 51 percent - of Stony Brook undergraduates are female. The median age of undergraduates is 21, and 16 percent are 25 or older. In Fall 1993, 42 percent of the freshman class are members of ethnic minority groups compared to 37 percent in 1991. This difference may be partially attributable to a change in the missing data rate from 15 percent in 1991 to 11 percent in 1993. The 1993 class is 20.3 percent Asian, 12.1 percent Black, 9.5 percent Hispanic, and 0.2 percent American Indian. Three percent are foreign. A survey of freshmen in Fall 1992 showed that only 80 percent are U.S. citizens, and 28 percent do not speak English as their first language.

**Undergraduate enrollment distribution.** The distribution of undergraduate enrollments across academic units is approximately as follows: of the 5,900 undergraduates with a declared major, 2,200 are in social and behavioral sciences, 750 are in biological sciences, 700 are in humanities and fine arts, 300 are in physical sciences and mathematics, and 350 are in multidisciplinary studies within the College of Arts and Sciences. There are 1,000 undergraduates in engineering and applied sciences, 150 in the Harriman School, and 450 in the health professions. There are also 4,800 matriculated students without a declared major and 400 non-matriculated undergraduates. The students without a declared major are almost all freshmen and sophomores who will subsequently major in the various academic units in essentially the same distribution as the declared majors.

In 1992-93, 42 percent of the 2,298 baccalaureate degrees Stony Brook awarded were to majors in the social and behavioral sciences, 32 percent to other arts and sciences majors, 12 percent to majors in engineering and applied sciences, 3 percent to Harriman majors, and 11 percent to health sciences students.

In 1993, 12 percent of all undergraduates were enrolled part time. The number of part-time undergraduates has increased compared

to Fall 1992, in part as a result of the expanded evening program. The heaviest concentrations of matriculated part-time students are in multidisciplinary studies, where 25 percent of all students are part time, and the Harriman School, where 22 percent of all undergraduates are part time. Seventy-three percent of all non-matriculated undergraduates enrolled part time in Fall 1993, up from 65 percent in 1991 and 67 percent in Fall 1992.

**Graduate enrollment distribution.** In Fall 1993, Stony Brook enrolled 240 graduate students in the biological sciences, 570 in humanities and fine arts, 550 in social and behavioral sciences, and 520 in physical sciences and mathematics, for a total of 1,880 in the College of Arts and Sciences. There are 940 matriculated graduate students in the School of Continuing Education, 590 in engineering and applied sciences, 130 in marine sciences, 120 in the Harriman School, 560 in the MD and DDS programs, 130 doctoral students in the basic health sciences, and 690 in master's programs in the health professions. There are 1,080 non-matriculated graduate students.

Stony Brook's matriculated graduate students are almost equally split between terminal master's degree programs and doctoral programs. In Fall 1993 there were 2,532 in master's programs and 2,496 in doctoral programs (including the MD and DDS programs).

The number of students matriculated in West Campus graduate programs has decreased slightly since 1991, from 3,709 to 3,655 students. The largest decline is in continuing education, where enrollment has fallen by 64 students. Enrollment in HSC graduate programs has increased from 1,277 to 1,375. The number of non-matriculated students has decreased from 1,162 to 1,080.

**Graduate recruitment.** Applications to the Graduate School increased for Fall 1993, to 5,132 compared to 4,966 in Fall 1991 and 4,895 in Fall 1992. Thirty-four percent were admitted compared to 39 percent in Fall 1991 and 33 percent in 1992. Of those who were admitted, 38 percent enrolled, compared to 41 percent in 1991 and 38 percent in 1992. HSC doctoral programs, including the MD and DDS programs, admitted 10 percent of 3,986 applicants in Fall 1992, and HSC master's and certificate programs admitted 33 percent of 1,068. The 1993 data have not yet been compiled for HSC.

**Academic credentials of graduate students.** In Fall 1992, the most recent year for which complete data are available, full-time American doctoral students entering the Graduate School had an average combined GRE score of 1,795, while foreign doctoral students had an average of 1,777. For master's students the averages were 1,635 and 1,590. The incomplete data currently available for Fall 1993 suggest that the average score has increased significantly, but the final average is likely to be adjusted downward. In previous years students taking the GRE examination during their first semester at Stony Brook have had lower average scores than students taking it prior to matriculation.

**Geographic origin of graduate students.** Students' first-semester billing addresses provide the best available indicator of the geographic origin of graduate students, although some students may have already changed their address. These data indicate that 42 percent of all new graduate students are from Nassau and Suffolk Counties in Fall 1993 compared to 44 percent in Fall 1991. Thirteen percent are from New York City, 7 percent from other parts of New York State, 12 percent from other states, and 26 percent from other countries.

**Demographics of graduate students.** Forty percent of all students in the Graduate School are female and 11 percent are members of ethnic minority groups. In HSC doctoral programs (including the MD and DDS), 43 percent of all students are women and 27 percent are from minority groups, predominantly Asians (19 percent). HSC master's students are 85 percent female and 18 percent minority. In CED degree programs the proportions are 68 percent female and 7 percent minority.



# Taking An Integrated Approach

The following is the text of the "Enrollment Management Process" report:

Enrollment management at Stony Brook is a comprehensive process for coordinating the planning, implementation and assessment of activities that influence the recruitment, retention and graduation of Stony Brook undergraduate and graduate students. The enrollment management process incorporates four specific activities: (1) development of enrollment plans and tuition revenue projections; (2) planning for recruitment initiatives; (3) planning for retention initiatives; and (4) monitoring and assessment. Enrollment management is closely linked to academic planning to ensure that academic programs meet the needs of enrolled students. Enrollment management is linked to the budget process to ensure that the campus budget accurately anticipates tuition revenue and that funding requests for enrollment-related initiatives are developed in a timely fashion.

The provost establishes enrollment policy in consultation with the Enrollment Issues Forum (EIF) and the Enrollment Executive Committee (EEC). Strategic enrollment decisions are approved by the president.

The Enrollment Issues Forum (EIF) includes representatives from all areas of the university involved in student recruitment, student services, and the delivery of academic programs. The Forum advises the provost on enrollment plans and strategies by which those plans will be fulfilled. Meetings also serve as forums for discussion of enrollment-related issues to insure coordination and cooperation among the many offices involved in recruitment and delivery of services to students.

The Enrollment Executive Committee (EEC) includes administrative officers responsible for implementing enrollment policy. It functions as the executive committee of the EIF. The EEC develops detailed plans to embody the strategies recommended by the EIF, makes operational decisions required to implement those strategies, and monitors the implementation of enrollment plans.

The provost reports the conclusions and recommendations of the EIF and the EEC to the president. Following cabinet discussion, the president distributes formal reports produced in the enrollment management process to the Priorities Committee and the Executive Committee of the University Senate.

## Calendar

Principal products of the enrollment management process are outlined below. A description of each one follows.

**September:** SUNY enrollment/tuition projection for the next fiscal year and review of current-year spring targets; **November:** Enrollment Assessment Report and Enrollment Initiatives Plan for subsequent fiscal year; **December:** Phase 1 budget request for enrollment-related initiatives (if any); **February:** Phase 1 enrollment/tuition projection; **March:** Five-year enrollment projection for SUNY; **April:** Phase 2 budget request for enrollment-related initiatives (if any); **May:** Phase 2 enrollment/tuition projection; **June:** Enrollment Action Plan for coming academic year

## Components of the Enrollment Management Process

SUNY enrollment/tuition target and review of current-year spring targets. After the fall snapshot of actual enrollment, Stony Brook sets target enrollment numbers for the following year. These targets project fall headcount and an annual tuition revenue estimate in which spring headcount is implicit. SUNY uses these targets to establish USB's tuition revenue obligation for the coming year and incorporates them into the system-wide benchmark analysis. The campus uses this tuition revenue estimate in the Three Year Financial Plan. At the same time that these annual targets for the following year are established, campus enrollment objectives for the spring semester of the current year are reviewed, and appropriate spring recruitment is planned.

Enrollment assessment report. Early in the Fall semester, the administrators responsible for enrollment and enrollment-related initiatives assess and report on the results of the previous year. These assessments analyze application, admission, enrollment and retention rates and summarize enrollment-related achievements.

Enrollment initiatives plan. During the fall, the EIF begins to develop a strategy for enrollment-related initiatives to be implemented during the subsequent fiscal year. Forum discussions analyze and synthesize ideas from members of the forum and from academic departments and divisions. Committee recommendations are summarized in an Enrollment Initiatives Plan that provides guidelines for program planning and a basis for budget development.

Phase 1 budget request. The Enrollment Initiatives Plan forms the basis for a Phase 1 budget request if its implementation will require

increased funding outside the Undergraduate Initiative. The EIF may generate – through an appropriate vice president – a request for additional funding in Phase 2 of the budget process if such a request is justified by specific circumstances unforeseen in Phase 1.

Phase 1 enrollment/tuition projection. The provost prepares a Phase 1 Enrollment Projection in mid-February, as soon as snapshot enrollment data for the spring semester are available. This projection also incorporates early data on application and admission rates and any differences between the enrollment projection Stony Brook submitted to SUNY in September and the enrollment targets and tuition obligations actually included in SUNY's budget request. The tuition revenue projection derived from this enrollment projection is incorporated in the Phase 1 budget. This projection does not, however, change the enrollment target used by SUNY to establish Stony Brook's tuition revenue obligation. The SUNY enrollment target cannot be changed after it is set in September.

Five-year enrollment plan. In March, Stony Brook submits a five-year enrollment plan to SUNY. This plan is accompanied by a President's Narrative that answers specific policy questions posed by SUNY.

Phase 2 enrollment/tuition projection. The provost prepares a Phase 2 Enrollment Projection in late May as a basis for the Phase 2 budget. This permits adjustment of the final campus budget for tuition-revenue estimates that are significantly more accurate than those available in Phase 1.

Enrollment action plan. At the end of each academic year the EIF completes a campus-wide enrollment action plan for the coming year. This plan is finalized as soon as the budget development process is complete (at the end of Phase 2). The Action Plan summarizes the specific recruitment and retention activities that will occur during the coming year to implement enrollment strategy within the constraints of the operating budget. In addition to a recruitment plan, this plan identifies developments in academic programs and student services planned to meet the needs of the expected student body. It also highlights facilities projects that will support teaching programs and improve campus life.

## Monitoring and assessment

In addition to completing an annual Enrollment Assessment Report, Stony Brook

monitors progress throughout the recruitment process. From January through August, the Office of Enrollment Management and Management Systems compile weekly Target Reports on fall applications, admissions and rejections, acceptances and deposits. From mid-February through mid-August, the Office of Institutional Studies compiles monthly projections of enrollment and tuition revenue. These reports provide the president, the EIF, and other campus constituencies up-to-date summaries of projected fall application, acceptance and enrollment rates, and their fiscal implications.

## Enrollment Issues Forum Members

Bryce Hool, deputy provost; chair; Paul Chase, dean of students; Carole Cohen, vice president for University Affairs; Robert Dodd, chair, Senate Committee on Admissions; Ronald Douglas, vice provost for Undergraduate Studies; Bernard Dudock, president, University Senate; Paul Edelson, dean, School of Continuing Education; Daniel Forbush, associate vice president, University Affairs; Richard Kramer, representative, West Campus deans; Gigi Lamens, director of Admissions; Theresa LaRocca-Meyer, dean of Enrollment Planning and Management; Manny London, deputy to the president; George Marshall, assistant vice president for Institutional Services; Lawrence Martin, vice provost for Graduate Studies; J. Howard Oaks, vice president for Health Sciences; Frederick Preston, vice president for Student Affairs; Jerry Schubel, chair, Undergraduate Project Steering Committee; Alan Tucker, representative, Undergraduate Project; Glenn Watts, vice president for Finance and Management

Staff: Barbara Fletcher, assistant dean of Enrollment Planning; Karol Gray, controller; Ray Manuszko, director, Office of Institutional Studies; Daniel Melucci, assistant vice president, Finance and Management; Emily Thomas, university planning coordinator.

## Enrollment Executive Committee

Bryce Hool, deputy provost; chair; Ronald Douglas, vice provost for Undergraduate Studies; Theresa LaRocca-Meyer, dean of Enrollment Planning and Management; Lawrence Martin, vice provost for Graduate Studies; J. Howard Oaks, vice president for Health Sciences; Glenn Watts, vice president for Finance and Management; staff: Emily Thomas, university planning coordinator.

## Q&A

Currents spoke with Deputy Provost Bryce Hool to clarify the issues on enrollment management initiatives.

**Q: Why so much emphasis on enrollment**

**management? Why is it especially important to the university now?**

**Dr. Hool:** The fiscal consequences to the university of enrollment and tuition revenue are now very direct and quite explicit. Stony Brook's state budget allocation – and therefore our ability to sustain and develop programs – is critically dependent on these numbers. Prior to 1993-94 there was some latitude when it came to meeting the targets that had been set for the tuition revenue to be generated by the campus. But now, if we don't deliver the budgeted tuition revenue in any given year, we lose the difference. This is causing us to be much more conscious of outcomes and of what we must do to influence them. The fiscal considerations are motivating us to succeed in ways that make sense academically and institutionally.

**Q: How much impact does enrollment have on our budget?**

**Dr. Hool:** Enrollment affects our state allocation more broadly than this, but the amount of our budget that is derived from tuition revenue alone is nearly \$50 million. Based on Fall enrollment figures, it is estimated that there will be a tuition revenue

shortfall this year of about \$1.3 million, most of which represents a reduction in resources available to academic programs.

**Q: What is 'enrollment management'?**

**Dr. Hool:** At a basic level, enrollment management is the process of establishing enrollment targets for the various student cohorts and implementing measures to achieve those targets. More generally, this process influences, or is influenced by, virtually every student-related aspect of the university – anything that relates to recruitment and retention of students. For this reason, it is essential that enrollment management be comprehensive and coordinated.

**Q: How will we coordinate our efforts?**

**Dr. Hool:** The Enrollment Issues Forum established this fall has representatives from all relevant areas and meets as a group so that actions and policies will be based on broad input and be mutually consistent. Many enrollment management activities may seem to be administrative responsibilities, but ultimately campus-wide participation in the effort is essential.

**Q: What are the key issues here?**

**Dr. Hool:** Enrollment targets and recruitment efforts are of major importance. We need to analyze and monitor the situations for the different cohorts of students, agree on appropriate targets, and develop strategies and initiatives to achieve those goals. The freshmen typically receive most publicity and certainly have special significance; but quantitatively, 90 percent of our students are in other cohorts and our resources have been more sensitive to part-time graduate enrollment for instance.

It is also very important to recognize that recruitment and admission are just the first step. What we provide to the students when they come to Stony Brook – including access to the courses they need, availability of services, a supportive environment, good facilities, and so on – will ultimately determine how successful we are as an institution.

This year's experience has provided striking evidence of the impact of undergraduate scholarships on our ability to attract high-achieving students. We need to be more deliberate and systematic in developing our scholarship funding and programs and exploiting this potential. The same point applies to graduate fellowships.

Advertising and publications are dimensions of enrollment management that have been historically underdeveloped at Stony Brook. We need to integrate recruitment advertising with a more general campaign that promotes the university's image.

**Q: What initiatives are being undertaken to get this going?**

**Dr. Hool:** The development of the enrollment management structure and process has itself been an important step. We have also taken aggressive action to increase the number of transfer students and part-time graduate students this spring, in an effort to reduce the tuition shortfall for 1993-94. Plans for scholarships and advertising are being developed. Retention is an ongoing focus, and the university is undertaking many continuing and new initiatives being undertaken to improve the student experience. The Undergraduate Initiative has been an extremely effective catalyst in this cam-

aign. The expansion of the summer session and the introduction of year-round planning for delivery of the undergraduate curriculum are other important and timely developments.

**Q: What substantive changes are being contemplated to make Stony Brook more attractive to students?**

**A:** We are becoming increasingly conscious of the complex of academic and non-academic factors that must be addressed in order for Stony Brook to be successful as a comprehensive research university in a future characterized by tight budgets and a changing landscape for research and higher education. Stony Brook hasn't yet come close to realizing its potential, but a lot of things are now moving in the right direction. The campus environment is being steadily improved – the physical environment, student services, social and cultural activities, the upgrading of our athletics program. The improvement of facilities – dormitories, classrooms, teaching laboratories – is a high priority. Instructional technology is undergoing a revolution and there will be many changes and new opportunities for students. Basic things such as access to courses will be systematically improved. The new Student Activities Center will be a great asset.

I see Stony Brook as on the verge now of making significant gains in virtually all areas. We have done remarkably well to date, given how limited the investments have been in the sorts of things I mentioned. Now that we are really focusing on what will make Stony Brook attractive to students, we are going to see striking improvement. The pressure is prompting us to do things that make a lot of sense.

# What's Up?

## BLACK HISTORY MONTH

**February 1:** Opening Ceremony and Reception. 5-7 p.m. Fireside Lounge, Stony Brook Union.

**February 4:**

Bob Marley Day. 11 a.m.-5 p.m. Fireside Lounge, Stony Brook Union. Call 632-6464.

Welcome Back Party. 10 p.m.-2 a.m. Call 632-7470 or 632-6828.

**February 8:** Poetry Reading: Amiri, Amina and Ras Baraka. 7 p.m. U.N.I.T.I. Cultural Center. Call 632-7470.

**February 9:** Lecture and Discussion, "Haiti Today." Noon-2 p.m. Peace Studies Center, Old Chemistry. Call 632-7470.

**February 10:** Film Documentary, *The Liberators: Fighting on Two Fronts in World War II*. 2 p.m. Room S-224, Ward Melville Social & Behavioral Sciences. Free. 632-7470.

**February 14 & 15:** African American Arts & Crafts Fair. 10 a.m.-5 p.m. Fireside Lounge, Stony Brook Union. Call 632-6822.

**February 15:** Kamau Brathwaite, Caribbean poet and historian. 7 p.m. Main Stage, Staller Center for the Arts; Reception: 5-6 p.m., Room 224, Ward Melville Social & Behavioral Sciences. Call 632-7470.

**February 16:** Slide Presentation, "Sickle Cell Anemia." Barbara Hull, Cornell University Medical College Program in Regional Genetics & Sickle Cell Anemia, Central Suffolk Hospital. 11 a.m.-12:30 p.m. Javits Conference Room. Call 632-7470.

**February 17:** Forum: Hip Hop and Reggae. 8 p.m. SB Union Auditorium. Call 632-6828.

**February 20:** Black Catholic Mass. 5 p.m. Features the USB Gospel Choir. Peace Studies Center, Old Chemistry. Call 632-6562.

**February 21:** Lecture, "Current Political Development in the Southern African Sub-region, Constitutional & Political Development in South Africa," Dr. Sindiwe Mogana, author and public information officer, United Nations. 5 p.m. Peace Studies Center, Old Chemistry. Call 632-7470.

**February 22:** Panel, "The Future of Black Studies," Dr. Esther Terry, University of Massachusetts, Amherst. 7 p.m. Stony Brook Union Auditorium; Reception: 5-6 p.m., Room 224, Ward Melville Social & Behavioral Sciences. Call 632-7470.

**February 23:**

"African American Family Feud Game" and Cross Cultural Foods. 12:40-2 p.m. Stony Brook Union. Call 632-6828.

Lecture, "Religion, Family, & Community Self-Help," Reverend Reginald Tuggle, director, community affairs, *Newsday*. 2:30 p.m. Peace Studies Center, Old Chemistry. Call 632-7470 or 632-6562.

**February 26:**

Minorities in Medicine & Scholars for Medicine Lecture and Reception. Dr. Benjamin Carson. For time and location, call the Graduate Health Professions Office at 632-7032.

Black History Month Semiformal. 6:30 p.m. Keynote Speaker: Dr. Jerome Schiele, assistant professor, School of Social Welfare. For

ticket information, call 632-6460.

**February 27:** "African American Read-in." Poetry and literature by black writers. 7 p.m. Theatre II, Staller Center for the Arts. Call 632-6734.

**February 28:** Film and Discussion, "Global Sisterhood": Western Feminism vs. Multiculturalism; Perspective on Female Circumcision. 7 p.m. U.N.I.T.I. Cultural Center. Call 632-7470.

## FILM

### THE ALTERNATIVE CINEMA

**Tuesday, February 15 & 22:** Titles TBA. 7 p.m. & 9:30 p.m. Stony Brook Union Auditorium. \$2. Call 632-6102.

### KELLER INTERNATIONAL COLLEGE FILM SERIES

(Monday evenings, 7:30 p.m. Keller International College Lobby (Roosevelt Quad). Free. Call 632-6798.)

**February 7:** *Rue Cases-Negres (Sugar Cane Alley)*. (French with English subtitles.)

**February 21:** *Black Robe*.

## MUSIC

(Staller Center for the Arts, unless otherwise noted. For tickets, call 632-7230; for information, 632-7330.)

**February 2:** Timothy Eddy, cellist, and Gilbert Kalish, pianist. 8 p.m. Recital Hall. \$20.

**February 5:** Albert McNeil Jubilee Singers. 8 p.m. Main Stage. \$22, \$20.

**February 6:** Baroque Sundays at Three, "In Kaltem Winter - Warm Love Songs for a Cold Season." Recital Hall.

**February 11 & 12:** Gregory Hines. 8 p.m. Main Stage. \$25, \$23.

**February 12:** Camerata Singers. 8 p.m. An all-sacred program. St. Peter's Church, Route 27A (Montauk Highway), Bay Shore. \$6. For tickets, call 632-7230 or at the door.

**February 19:** Italian Symphony Orchestra of Bergamo. 8 p.m. Main Stage. \$22, \$20.

**February 26:** Stony Brook Symphony Orchestra. 8 p.m.; (preconcert lecture, 7 p.m. Recital Hall). Main Stage. \$10.

## THEATRE ARTS

**February 24 - 27; March 3 - 6:** *On Strivers Row*. Life in Harlem during the 1940's. Thursday-Saturday: 8 p.m.; Sunday: 2 p.m. Theatre I, Staller Center for the Arts. \$8; \$6/students & seniors. Call 632-7230.

### BLACK HISTORY MONTH

### NATIONAL ENGINEERS WEEK

(For details and registration, call 632-8381.)

**February 14:** Lottery begins for AIL Systems Inc. On-campus Interview (February 24). Submit resume to CEAS Undergraduate Student Office, Room 127, Engineering.

**February 21:** Workshop, "Resume Preparation for Engineering & High-Tech Industries," 3:30-4:30 p.m. Room 301, Engineering.

**February 22:** Workshop, "Interviewing Skills for Engineering & High-Tech Industries." 3:30-4:30 p.m. Room 301, Engineering.

**February 23:**

Interviewing Skills Workshop. 12:40-2 p.m. Career Development Office, 1st Floor, Melville Library. Preregistration required.

Seminar, "Summer Internships in Engineering & High-Tech Industries." 12:45-2 p.m. Room 102, Light Engineering.

Seminar, "Making the Transition: Student to Professional," Patricia Smolenski, LILCO. 2-3 p.m. Room 301, Engineering.

Seminar, "New Technologies for the Environment: Remediation of Contaminated Properties," Peter Jensen Absolute Environmental Services. 3-4 p.m. Room 301, Engineering.

**February 24:**

Interviews and Resume Collection: AIL Systems Inc. 9 a.m.-4 p.m.

Lecture, "Jobs in the Technical Marketplace: Who Get Hired and Why," Lisa Millberg, Cheyenne Software. 10:30 a.m. Room 301, Engineering.

**February 25:** IEEE (Institute of Electrical and Electronics Engineers) Student-Professional Awareness Conference, "S-PAC." 1-6 p.m. IEEE members: \$3/conference, \$5/dinner; non-members: \$5 & \$10. Call 632-8381; or John Jacob at 632-7257.

**February 28:** Seminar, "Engineering Training in Public Decision-Making," U.S. Congressman (and engineer) George Hochbrueckner. 3:30-4:30 p.m. Room 301, Engineering.

## LECTURES & SEMINARS

**February 1:** Physics Department Colloquium, "Ultra-fast Laser Physics," G. Mourou, University of Michigan. 4:15 p.m. Room P-137, Harriman. Call 632-8110.

**February 4:** Astronomy Open Night, "Rings of the Giant Planets," Jack Lissauer, associate professor, earth & space sciences. 7:30 p.m. Telescope observation follows. Lecture Room 001, Earth & Space Sciences. Call 632-8200.

**February 5:** "Girls and Women in Sports Day" Conference. 11 a.m.-2 p.m. Indoor Sports Complex. Call 632-6828.

**February 8:** Physics Department Colloquium, "Top Quark," Paul Grannis, professor, physics. 4:15 p.m. Room P-137, Harriman. Call 632-8110.

**February 8:** University Distinguished Lecture Series, "Dinosaur Heresies," Robert Bakker, paleontologist, author (*The Dinosaur Heresies*). 8 p.m. Sponsored by the Office of the Provost and *Newsday*. Recital Hall, Staller Center for the Arts. Free. Call 632-7000.

**February 10:** Center for Italian Studies (632-7444).

Noon: Lecture, "Immigration and Status of Government in Italy," Luigi Bloise, senator, Italian Parliament; director Fernando Santi Institute and journal *Avanti nel Mondo*; and lecturer. Room 110, Javits Lecture Center.

3 p.m.: Reception for Luigi Bloise. Discussion of his literary works. Room N-4065, Melville Library.

**February 14:** Keller International College Colloquium, "Problems of Cultural Identity in the French-speaking Caribbean," Anthony Hurley, assistant professor, French & Italian. 7:30-9:15 p.m. Seminar Lounge (4th floor), Keller International College. Call 632-6798.

**February 15:** Physics Department Colloquium, "Acoustics of Bells," Tom Rossing, Northern Illinois. 4:15 p.m. Room P-137, Harriman. Call 632-8110.

**February 18:** Center for Italian Studies Lecture, "Perspective Points and Textual Structure," Pier Marco Bertinetto, Scuola Normale di Pisa. 3:30 p.m. Room N-4065, Melville Library. Call 632-7444.

**February 22:** Physics Department Colloquium, "Superconductivity," Dr. Mark Ketchum, IBM. 4:15 p.m. Room P-137, Harriman. 632-8110.

**February 23:** Italian American Lecture Series, "Italian Americans Today: An Overview," Richard Gambino, visiting professor. 4:30 p.m. Room N-4006, Melville Library. Call 632-7444 or 632-7696.

**February 28:** Keller International College Colloquium, "Franco-American Relations: The Current Unpleasantness," Richard Kuisel, professor, history. 7:30-9:15 p.m. Seminar Lounge (4th floor), Keller International College. Call 632-6798.

**March 4:** Astronomy Open Night, "The Infrared Universe," Philip Solomon, professor, earth & space sciences. Telescope observation follows. 7:30 p.m. Lecture Room 001, Earth & Space Sciences. Call 632-8200.

## EVENTS & ACTIVITIES

Middle States Self-Study Steering Committee Information Meetings. RSVP to Christine Campbell at 632-9437.

**February 1:** 10 a.m.-noon. Alliance Room, Melville Library.

**February 2:** 12:40-2 p.m. Room 109, Javits Lecture Center.

**February 3:** 1-3 p.m. Vice President's Conference Room, L-4, Health Sciences Center.

**February 2 & 16; March 2:** Sibling Preparation Program. For expectant parents and siblings. 4-5 p.m. 9th Floor Conference Room, University Hospital. Call 444-2960.

**February 4:** End of late registration; last day for undergraduate and CED/GSP students to add a course; last day for all students to drop a course without a W (withdrawal) being recorded; last day for undergraduates to change status to or from full time/part time.

**February 5:** Stony Brook Patriot Athletes, Trainers and Students (PATS) Club, Free Sports Clinic (boys and girls ages 6-12). 11 a.m. Limited to 125. To register, call 632-6828.

**February 7 - 9:** Rock & Movie Poster Sale. 10 a.m.-4 p.m. Monday/Tuesday: Fireside Lounge; Wednesday: Bi-level, Stony Brook Union. Call 632-6823

**February 11:** Last day for students to file applications for May graduation clearance (and for August degree candidates to apply if they wish to attend commencement in May).

**February 14:** Plant Sale. 10 a.m.-4 p.m. Lobby, Stony Brook Union. Call 632-6823.

**February 18:** Last day for graduate students

# THE MONTH AT A GLANCE

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

(except CED/GSP) to add or withdraw from a course.

**February 23:** Asian Arts Festival Demonstrations and Lecture, "Chinese Language and Calligraphy," Shi Ming Hu, distinguished teaching professor, Interdisciplinary Social Science; and Shanqing Zeng. 12:40-2 p.m. Stony Brook Union Art Gallery. Call 632-6822.

**February 24:** Career Women's Network Luncheon. Lorna McBarnett, dean/Allied Health Professions, School of Health Technology & Management. Noon. Stony Brook Union Ballroom. \$7.50. Call Dorothy Kutzin, 632-6040.

**February 28:** Asian Arts Festival Reception & Korean Dance Program. 7-8:30 p.m. Fireside Lounge, Stony Brook Union. Call 632-6822.

**March 2:** Asian Arts Festival Demonstration of Origami - Some Observation on Chado-Tea Ceremony, Eva Nagase and Levan Merrihew. 12:40-2 p.m. Stony Brook Union Art Gallery. Call 632-6822.

## 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:** I-CON Committee Meeting. 6:30 p.m. Room 216, Stony Brook Union. Call Scott at 632-6045.

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

**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 Tuesday:** Earth Action Board Club Meeting. 8 p.m. First Floor Meeting Room. Roth Quad Cafeteria. For information, call Marcous (632-1687), Dawn (632-2880), or the RHA Office, 6232-9236.

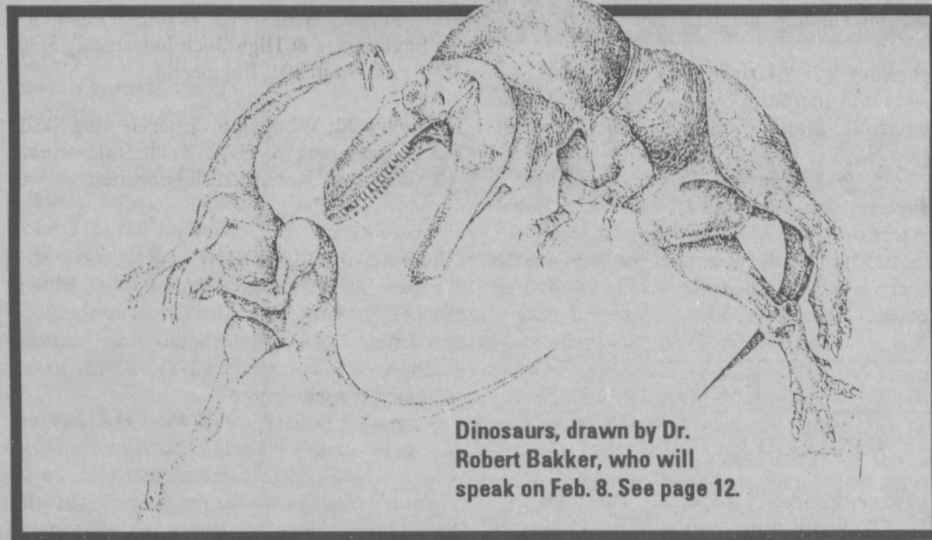
**Every Tuesday and Friday:** Stony Brook Fencing Club. 8-10 p.m. Main arena, Indoor Sports Complex. Call 246-5685.

### 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.

## CONTINUING EDUCATION

(To register, call 632-7067.)

**February 1:** Principles of Residential Real Estate Appraising. Tuesday/Thursday; 7-10:15 p.m. (through March 8). \$395.

**February 5:** The Real Estate Appraiser and the Law. Saturdays, 9 a.m.-5 p.m. (through March 19). \$250.

Introduction to Microsoft Windows. \$85.

**February 5:** 9-4 p.m.

**February 9:** 9-11 a.m. (also Feb. 16 & 23).

**February 11 & 12:** Use of the HP12 Calculator. 9 a.m.-5 p.m. \$199.

Introduction to WordPerfect for Windows. \$195.

**February 25:** 2-5 p.m. (March 4, 11, 18 & 25).

**February 26:** 9 a.m.-noon (through March 26).

**February 26:** Introduction to Excel Using Windows. 1-4 p.m. (through March 26). \$195.

## GROUP SHOP

(Free. To register, call 632-6715.)

### February 22:

"Eating Concerns" Support Group. FOR STUDENTS ONLY. Tuesdays, 1-2 p.m. (through April 19).

"Assertiveness Training." Tuesdays: 6-7:15 p.m. (also March 1 & 8).

**February 25:** "Thinking About Quitting (Or Making a Change in How You Use Tobacco, Alcohol, or Other Drugs)." 12:30-2 p.m.

**February 28:** "A Practical Approach to Understanding and Handling Test Anxiety." Noon-1:15 p.m. Health Sciences Center.

## UNION CRAFTS CENTER

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

**Pottery Making I.** 7-9 p.m. Includes 25 lbs. of clay, tools, firing and Membership. Crafts Center, SB Union. \$85/students; \$105/non-students.

**February 14:** eight Mondays.

**February 15:** eight Tuesdays.

**February 23:** eight Wednesdays.

**February 24:** Pottery Making II. 7-9 p.m.; eight Thursdays. Includes clay, firing and membership. Crafts Center, SB Union. \$85/students; \$105/non-students.

**Every Friday (February 25 - May 6):** Non-instructional Figure Drawing Workshop. Practice from a live model. 7:30-9:30 p.m. Union Crafts Center, SB Union. \$5 at door.

**February 26:** Chinese Thread Ornaments - Tsung-ze. 10:30 a.m.-4 p.m. Materials fee \$4. Fiber Studio, SB Union. \$30/students; \$40/non-students.

**February 27:** Scuba Diving. 6-10 p.m.; five Sundays (first session only: February 25, 7-10 p.m.). Physical exam required. Equipment fee \$190. Classroom & Pool, Indoor Sports Complex. \$100.

**February 28:** Yoga. 7-8:30 p.m.; eight Mondays. Ballroom, SB Union. \$55/students; \$65/non-students.

**Basic Photography.** Includes membership, tools, equipment, chemicals and waste dispos-

al fees. Photo Lab, SB Union. \$85/students; \$100 non-students.

**February 28:** 7-9 p.m.; six Mondays.

**March 2:** 6:30-8:30 p.m.; six Wednesdays.

**March 1:** Tai-chi-ch'uan. 7:30-9 p.m.; eight Tuesdays. Room 036, SB Union Lower Bi-level. \$50/students; \$65/non-students.

**March 2:** Bartending. Sec. A: 7-8:30 p.m., Sec. B: 8:45-10:15 p.m.; eight Wednesdays. Fiber Studio, SB Union. \$65/students; \$80/non-students.

**March 2:** Hand Building Functional Pottery. 7-9 p.m.; eight Wednesdays. Includes clay, glazes, firing and membership. Crafts Center, SB Union. \$85/students; \$105/non-students.

**March 2:** Intermediate Black & White Photography. 8:30-10:30 p.m.; six Wednesdays. Includes membership, tools, equipment, chemicals and waste disposal fees. Photo Lab, SB Union. \$85/students; \$100 non-students.

**March 3:** Floor Loom Weaving I. 7-9:30 p.m.; eight Thursdays. Includes membership. Materials fee \$10. Fiber Studio, SB Union. \$85/students; \$95/non-students.

**March 3:** Vegetarian Cooking. 8:15-10 p.m.; four Thursdays. Lounge, Hendrix College. \$50/students; \$60/non-students.

**March 5:** Kayaking. 7-9 p.m.; six Saturdays. Equipment fee \$103/includes book and certificate. Pool, Indoor Sports Complex. \$75.

## CHILDREN'S WORKSHOPS

**February 26:** 10:15 a.m.-noon; four Saturdays. Crafts Center, SB Union. \$60.

Mixed Media (Ages 5-7).

Clay Workshop (Ages 7-10).

Basic Guitar Workshop (Ages 8-12).

## ATHLETIC EVENTS

(Indoor Sports Complex, unless otherwise noted. Call 632-7200.)

**February 1:** Women's Basketball vs. Hunter. 6 p.m.

### February 3:

Squash vs. Fordham. 4 p.m.

Women's Basketball vs. John Jay. 6 p.m.

**February 5:** Women's Basketball vs. Elmira. 2 p.m.

**February 6:** Men's & Women's Indoor Track PAC Championships. 11 a.m.

**February 7:** Men's Basketball vs. Hunter (Skyline Conference game). 7:30 p.m.

**February 9:** Men's Basketball vs. New Paltz. 7:30 p.m.

**February 10:** Men's Basketball vs. New Jersey Tech (Skyline Conference game). 7:30 p.m.

**February 14:** Women's Basketball vs. William Paterson. 6 p.m.

**February 17:** Women's Basketball vs. Kean. 7 p.m.

**February 27:** Men's Basketball vs. Manhattanville (Skyline Conference game). 2 p.m. Madison Square Garden. \$18/double-header: noon, Syracuse vs. St. John's. For

## EVENTS

EDITED BY GILA REINSTEIN (632-9116)

## Celebrating Black History

“Without struggle, there is no progress,” Frederick Douglass once said. His words have been selected as the theme for this year’s celebration of African American history and culture on campus. For a complete listing of educational, cultural and social programs, call the Africana Studies Program office at 632-7470.

The Albert McNeil Jubilee Singers will perform on Saturday, February 5, at 8 p.m. in the Staller Center for the Arts. Their repertoire is drawn from the tribal music of the early slaves as well as from spirituals, calypso, jazz, gospel, and contemporary rhythm and blues. These singers have toured the United States and the world, winning standing ovations in the major concert halls of 60 nations and representing the United States at international music festivals.

Founder and director of the group, Albert McNeil, is professor emeritus of music at UC Davis, where he was choral director for 21 years and headed the Music Education Program. Tickets for the concert are \$22 and \$20 at the Staller Center box office, 632-7230.

Literary highlights of Black History Month include a poetry reading by Amiri Baraka, his wife, Amina, and their son, Ras, on Monday, February 8, in the UNITI Cultural Center at 7 p.m.

Caribbean poet/historian Kamau Brathwaite will speak at 7 p.m. on Tuesday, February 15, in the Staller Center. Author of nearly two dozen books of poetry, Dr. Brathwaite teaches history at the University of the West Indies. He is currently visiting professor of comparative literature at NYU.

Stony Brook’s traditional “African American

Read-in” is set for Sunday, February 27, at 7 p.m. in Theatre II of the Staller Center.

Stony Brook Theatre will present *On Strivers Row*, Abram Hill’s uproarious comedy satirizing life in the famous Harlem community of the 1940s known as “Strivers Row.” The show is guest directed by Kathryn Ervin. Tickets are \$8 and \$6, and the performance runs Thursdays through Saturdays, February 24-26 and March 3-5 at 8 p.m., and Sundays, February 27 and March 6 at 2 p.m. For tickets, call the box office at 632-7230.

Lecturers include U.N. Public Information Officer Dr. Sindiwe Mogana, speaking on current politics in South Africa, Monday, February 21, at 5 p.m. in the Peace Studies Center. Dr. Esther Terry, chair of Black Studies at the University of Massachusetts (Amherst) will consider the future of Black Studies on Tuesday, February 22, at 7 p.m. in the Stony Brook Union Auditorium.

Religious programs include a special Catholic Mass featuring the Stony Brook Gospel Choir at 5 p.m. on Sunday, February 20, in the Peace Studies Center. The Rev. Reginald Tuggle, director of Community Affairs for *Newsday*, will address “Religion, Family and Community Self Help” on Wednesday, February 23, at 2:30 p.m. in the Peace Studies Center.

For fun, there will be a forum on Hip Hop and Reggae at 8 p.m. on Thursday, February 17, in the Stony Brook Union Auditorium, and the “African American Family Feud Game” on Wednesday, February 23, at 12:40 in the union. The traditional semiformal dance closing out the month of celebration will be held on Saturday, February 26, at 6:30 p.m. in the Stony Brook Union Ballroom.

Call Africana Studies at 632-7470 for a complete calendar and for more information on any of the above events.

## ‘Jurassic Park’ Expert Speaks at Staller Center

Controversial paleontologist Robert Bakker, consultant to the film, *Jurassic Park*, and author of *The Dinosaur Heresies*, will speak at Stony Brook on Tuesday, February 8, at 8 p.m. in the Recital Hall of the Staller Center for the Arts. His talk is part of the Distinguished Lecture Series, sponsored by the Office of the Provost and *Newsday*.

Dr. Bakker (Ph.D., Harvard University) is the leading figure in the current wave of renewed fascination with dinosaurs and theories concerning their extinction. He’s been called a “cowboy bone-digger,” and his flamboyant style and outspoken ideas have outraged some segments of the scientific community and fascinated others.

According to *The New Yorker*, “No scientist has done more than Bakker to advance the view of dinosaurs as energetic, swift, bright-colored, cun-

ning, socially complex – in sum, thrilling – animals.” He maintains that dinosaurs were clever, hot-blooded, creatures whose direct descendants are chickens, turkeys and ostriches. When he speaks of *T. rex*, he evokes “a 10,000-pound roadrunner from Hell.”

Among Dr. Bakker’s interests are mass extinctions, cycles of ecosystem collapse, sudden evolutionary change, and the early history of horses, rhinos and tapirs.

Adjunct curator of paleontology at the University of Colorado, Dr. Bakker has published widely in *Science*, *Nature*, *Scientific American*, *Natural History*, and others. He was featured in *The Dinosaurs!*, a four-part PBS special that premiered this fall. He continues to spend most of his time digging for bones in the Como Bluff portion of Wyoming that is extraordinarily rich in fossils.

## Concert Offers Love Songs for a Cold Season

Getting a jump on Valentine’s Day, the university will present a concert of “Warm Love Songs for a Cold Season” on Sunday, February 6, at 3 p.m. in the Recital Hall of the Staller Center for the Arts.

Part of the Baroque Sundays at Three series, this concert features soprano Cassie Hoffman, whose specialty is early music, along with a trio of viola da gambists: Beverly Au, Patricia Halverson, and Martha McGaughey. These performers play all members of the gamba family – treble and tenor as

well as the better-known bass gamba, a precursor of the modern cello.

The program spans three centuries and many variations on the theme of love, including music from the Renaissance to the early Baroque period by composers Guillaume Dufay, John Dowland, Claude LeJeune and others.

The concert is free and open to the public. For additional information, call the Department of Music at 632-7330.

## In the Galleries this Month

## University Art Gallery

The Staller Center’s University Art Gallery will highlight works by seven graduate students of fine arts in a special exhibition, the “M.F.A. Show 1994,” which opens Wednesday, February 2, and runs through Saturday, February 26. A reception honoring the artists will be held on Saturday, February 19, 6:30-8 p.m., and the campus and community are invited.

The show includes paintings, sculptures, prints, photographs, mixed media and installations by third-year students David Allen, Patricia L. Hubbard, Heejung Kim, Karl Kneis, Sally Kuzma, Dan Richholt and Gary Wojdyla. The artists are all degree candidates in the Department of Art’s Master’s of Fine Arts program.

University Art Gallery hours are Tuesday through Friday, noon-4 p.m., and Saturday, 5-8 p.m. For further information, call 632-7240.

## Union Art Gallery

The Stony Brook Union Art Gallery will offer two shows this month. From Tuesday, February 1, through Friday, February 11, the gallery will present “South African Mail: Messages from the Inside,” in celebration of Black History Month.

The exhibition, curated by artist-in-residence Janet Goldner, consists of 400 postcard-sized works reflecting the lives, hopes and dreams of over 200 South African women of all races. Included are paintings, photographs, drawings, prints, beadwork, collages, reliefs, and written statements.

“South African Mail: Messages from the Inside” was featured on PBS and has been shown at Soho 20 Gallery. The exhibition promotes liberation, human rights and democracy, and all contributors signed a pledge against apartheid.

In conjunction with the show, Ms. Goldner will give a slide presentation in the gallery on Monday, February 7, noon-5 p.m., followed by a reception.

From Wednesday, February 16, through Wednesday, March 2, the gallery will display “Asian Arts Festival,” including works from Japan, China, Nepal, Indonesia, Korea and India, on loan from students, faculty, staff and the community. Featured will be scrolls, calligraphy, masks and ceremonial pieces, as well as paintings and prints.

The Union Art Gallery is located on the second floor of the Stony Brook Union. Gallery hours are Monday through Friday, noon-4 p.m.

Several programs are scheduled in connection with the festival. On Wednesday, February 23, Distinguished Teaching Professor Shi Ming Hu (social sciences) and Shanqing Zeng will present a lecture/demonstration on Chinese calligraphy at 12:40 p.m. in the gallery. A demonstration of origami and observations on the Chado “Tea Ceremony” by Eva Nagase and Levan Merrihew will be given in the gallery on Wednesday, March 2, beginning at 12:40 p.m.

A workshop on Chinese thread ornaments will be offered through the Union Crafts Center on Saturday, February 26, 10:30 a.m.-4 p.m. To register, call 632-6822. A program of Korean dance will be given on Monday, February 28, at 7 p.m., in the Fireside Lounge of the Stony Brook Union. This demonstration will be followed by a reception.

## Library Gallery

Exhibitions in the Frank Melville, Jr. Memorial Library Gallery will be by art students David Allen, February 1-18, and Dan Richholt, February 21-March 11.



Bongi Dhlomo’s “For COSAW (Congress of South African Women),” linocut, on display now through February 11 in the Stony Brook Union Art Gallery.