

# CAMPUS CURRENTS

News and Events at the  
State University of New York at Stony Brook

◆ November 28, 1988 ◆ Volume 6, Number 30

## Stony Brook In Space

### University Researcher Prepares Plants For Space Shuttle Flight

By Sue Risoli

Now that the National Aeronautic and Space Administration's (NASA) shuttle program is back on track, Americans are again thinking of long-term missions in space. Before that goal can become a reality, however, scientists must learn more about how well animals—and plants carried aboard a space vehicle—can adapt physiologically to an extremely low-gravity environment. Several researchers at Stony Brook are receiving funding from NASA to do just that.

Dr. Abraham D. Krikorian of Stony Brook's Biochemistry Department is preparing an experiment to be launched on the next shuttle flight, scheduled for mid-February 1989. It will be his fifth such venture; previous experiments were sent aloft on Soviet and American spacecraft. He and his group—Dr. H.G. Levine, R.P. Kann, S. O'Connor and D.L. Smith—will be studying the effects of the space environment on plant growth.

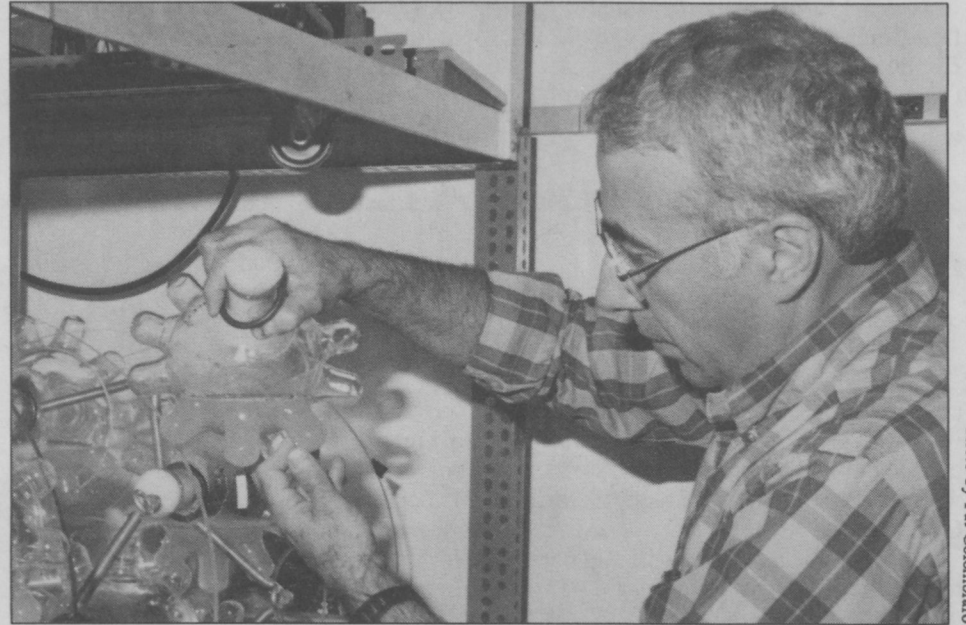
"On long-duration flights, plants might be carried on board for food, to produce oxygen and even to provide some psychological comfort," says Dr. Krikorian. "We have bits and pieces of information that suggest cells in plant tissues and organs may be adversely

affected in reduced gravity. One obvious consequence of the absence of gravity is that roots tend to grow up instead of down."

The forthcoming experiment will involve plantlets grown at the Stony Brook lab *in vitro*, totally free of fungi and bacteria. Their Earth-formed roots will be severed before the plants are sent into space.

"We should obtain good evidence as to whether cell division proceeds normally, and whether new roots will form and grow," Dr. Krikorian explains. "Until now people have grown plants in space from seed embryo to root stage, but these roots were preformed. No one's ever cut off the roots to see if more will grow back. Our grand long-term strategy is to work toward finding out whether multiple generations of plants can ultimately be grown in space from starting materials generated aseptically."

Dr. Krikorian, immediate past president of the American Society for Gravitational and Space Biology, is also working with NASA on the development of an unmanned, reusable satellite to study the effects of low gravity. "LIFESAT", to be launched primarily on expendable rockets, would be coordinated by NASA



Dr. Abraham Krikorian works with plants growing in low gravity conditions.

but utilized by a number of "international partners" and space agencies worldwide.

"With the use of something like 'LIFESAT', we can meet the increasing clamor for more capability for space flight experimentation," says Dr. Krikorian. "At this point, we don't have enough information to know exactly what the consequences of long-duration low gravity are. We do know, however, that if there's a component in a given cell big enough to perceive gravity, there will be a consequence."

"My guess is that short flights won't produce much of a problem that cannot be effectively dealt with. A flight of several months or more will be a different story. In any case, as we get closer to growing plants reliably in space environments we can learn more about what gravity does in normal plant growth and development."

*Next week: Dr. Clinton Rubin and colleagues in the Orthopedic Surgery department explore the effects of prolonged space flight on animal bone.*

## Faculty, Researchers Invent Devices To Reduce AIDS Risk

By Wendy Greenfield

Faculty and researchers in the Schools of Medicine and Dental Medicine working separately have developed devices that could sharply reduce the risk to health care workers of accidental exposure to AIDS and other life-threatening diseases.

Under the direction of Harry Soroff, professor and chairman of the Department of Surgery, Stanley Pollak, a research fellow, and William Blasnik, an engineering consultant, have developed a device that mounts and dismounts surgical blades without the user touching them.

In a separate invention, Leonard Andors, clinical associate professor in the School of Dental Medicine, has developed a protective sleeve that fits over a syringe and prevents accidental needle punctures.

Both inventions coincide with a push by the Occupational and Safety Administration to enforce protection measures against AIDS and other infectious diseases in hospitals across the country. The program requires that protective equipment be provided to doctors, nurses and other high-risk health personnel.

### Scalpel Device

The Department of Surgery's device prevents the user from cutting himself and risking infection from blood-borne diseases, such as AIDS and hepatitis B, Dr. Soroff said. Currently, health professionals use a clamp or their hands to mount or dispose surgical blades. This can become dangerous, Dr. Soroff noted, because the user can slip when lining up the blade to fit into the handle. Another potential problem is that the clamp can break the blade, he said. Gloves do not provide adequate protection against blade or needle punctures, Dr. Soroff pointed out.

The scalpel blade remover/dispenser is a two-inch container that can hold several blades. When a blade is needed, the handle is inserted in the container and the blade is automatically loaded. When the blade is ready to be discarded, the handle is inserted at a different angle and the blade is removed.

Dr. Soroff said there are a few blade mounting and removal devices on the market, but none are accepted by health

professionals. The Department of Surgery has received a patent assigned to the Research Foundation of the State University of New York and has begun efforts to market the device.

### Slide-Action Sleeve

While the scalpel blade remover/dispenser prevents cuts and nicks by a blade, Dr. Andors' invention is designed to shield users from accidental needle sticks. Dr. Andors' device lets the user cover or expose a needle by a simple push or pull of the sleeve in a motion similar to that of a slide-action rifle. A patent is pending on the device.

Accidental needle stick often occurs after giving an injection and while recapping and disposing of a syringe, Dr. Andors said. This happens more frequently in dental situations because of the use of multiple injections of anesthetics, he added.

Dean Collamer, licensing associate at the Technology Transfer Office of the

State University of New York, the agency that oversees the patent process and marketing of products developed on SUNY campuses, said inventors have been developing devices that shield the patient's view of a needle since the early 1900s. But only over the last few years have they developed instruments that prevent needle sticks. Collamer said a few such devices are on the market, but most are more cumbersome than Dr. Andors' protective sleeve.

Advantages of Dr. Andors' device are its simple construction and operation, it is adaptable to modern materials, such as plastic, and it enables practitioners to reuse the syringe for subsequent injections, Collamer said.

### 800,000 Needle Sticks Annually

Recent studies have indicated that as many as 800,000 accidental needle sticks occur every year. The problem was

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## Opening The Eyes Of Freshmen

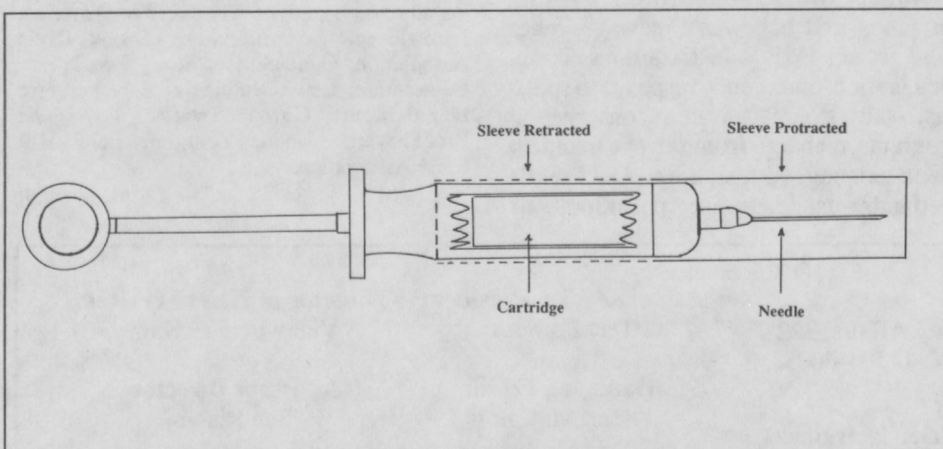
Freshman year can be a bewildering time for some college students. It's also a critical period that helps determine whether or not a student remains at a particular institution.

Stony Brook has joined the growing number of colleges and universities across the country that in the past decade have begun offering freshman orientation courses. Though the syllabus varies at different schools, the courses all teach basic college survival skills and help students adjust comfortably on a personal level. The result, administrators say, establishes a tone that will persist throughout a freshman's college career.

"Our goal is retention," says Aldona Jonaitis, Stony Brook's vice provost for Undergraduate Studies. "Research has proved that students stay on at an institution, and succeed there, if they've had a positive one-on-one relationship with a faculty or staff member in their first few weeks."

"Stony Brook 101" is being offered for the first time this semester. Its 84 enrollees (divided among seven instructors) were selected by lottery from students attending the university's annual summer orientation program. Topics covered in the one-credit course include time/stress

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A graphic representation of Dr. Leonard Andors' hyperdermic invention.

## Student Groups Help To Increase Student Voter Turnout

Stony Brook students packed the polls this past Election Day, marking the first time students were allowed to vote in a general election using their campus address as their permanent address.

Nearly 1,200 students registered to vote from the campus, making the 223rd Election District the largest in Suffolk County. Last year, that district had 517

registered voters. The 223rd Election District covered all residence halls except Chapin, whose students voted in the 127th Election District.

The Department of Auxiliary Services aided the student voting effort by providing buses to and from the polling sites from 11:30 a.m. to 7:30 p.m., every half hour.

"The buses were jampacked," said Steven Rosenfeld, president of the Faculty Student Association, who was appointed by the Student Polity Association to coordinate the student voter registration drive. "Around 'one-ish,' there were so many people on the bus," some had to be turned away until the next trip.

The student voter registration drive was organized by the New York Public Interest Research Group, Polity, the Residence Hall Association, the Graduate Student Organization and other student groups, said Kit Kimberly, NYPIRG project coordinator. In total, the drive registered 1,789 students, some of whom voted in their home districts.

Candidates learned that student support is a force to be reckoned with. Republican and Democratic sides agreed that Rep. George Hochbrueckner (D-Coram) benefited from intense last-minute campaigning on the campus. Hochbrueckner carried the 223rd Election District by 600 votes compared to 300 votes for Suffolk Legis. Edward Romaine (R-Center Moriches).

For years, Suffolk's Board of Elections had a policy of challenging student enrollment requests by demanding proof of residence, such as a driver's license with a local address.

But after negotiations with NYPIRG attorneys and representatives from Administration, Residence Life and the Suffolk County Board of Elections, Rosenfeld said, the Board of Elections this year agreed to accept the campus dormitory rental lists as proof of residence.

Rosenfeld said student groups would like to get an election district on campus. Suffolk Board of Elections Commissioner George Wolf said, however, that the state Legislature has mandated no more election district splits until after the 1990 census.

Wolf said in the next election, the Suffolk Board of Elections will either move the 223rd Election District from the Nassakeag Elementary School in Setauket to a separate polling site or move the other two election districts also set up at the school to their own site "to avoid the overcrowding."

— Wendy Greenfield

## Devices Reduce AIDS Risk

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highlighted recently by the case of a doctor who said she contracted AIDS from a contaminated needle. The doctor filed suit against New York City in September charging she became infected with AIDS when she pricked her finger on a needle used to draw blood from an AIDS patient while working at Kings County Medical Center in Brooklyn.

Dr. Andors said although the number of health care workers who contract AIDS by

a needle stick is reportedly low, it remains a major concern. The disease has a slow onset; a person infected with the AIDS virus may not develop any symptoms for 10 to 20 years, he pointed out.

Dr. Andors is also director of Pain and Anxiety Control and Medical Emergencies in the School of Dental Medicine, where he has been clinical associate professor and researcher for nearly 20 years since the dental school's inception.

## Opening The Eyes Of Freshmen

continued from page 1

management, how to use the library, mental and physical health, and how to interact with faculty.

For student Ingrid Peralta, "Stony Brook 101" has already made a difference. "I think college is great, but when I talk to some of my friends at other schools they aren't sure whether they like it," she says. "Taking this course has helped me get my own situation together."

Faculty accustomed to teaching large lecture classes find the orientation course a refreshing change. Instructor Norman Goodman, chairman of Stony Brook's Sociology Department, says, "I teach very large classes, so the chance to interact with

a small number of students is gratifying for me. It's also of great benefit to students when they realize that faculty are interested in them as people as well as students."

Though it is too soon to fully measure the course's impact, Dr. Jonaitis says the university "will track the students over the next several years to see what happens. We'll also compare them with students who applied but weren't selected and students who neither applied for nor took the course."

Stony Brook is also considering offering courses for transfer students and freshmen who begin in January.

— Sue Risoli

## Cardiorespiratory Students Take Heart Movies With New Machine

Cardiac and respiratory technology students at Stony Brook are taking movies of the heart and learning how to diagnose complex cardiac disorders with an advanced ultrasound machine loaned to the university by Hewlett Packard.

The Hewlett Packard Sonos Series 100 Ultrasound machine, which costs about \$50,000, produces two-dimensional pictures of the heart walls and muscle structure and measures blood flow. It is used to diagnose valvular disease, damage resulting from a heart attack and congenital heart defects.

Students in the Cardiorespiratory Sciences Program, part of the School of Allied Health Professions, are learning how to operate the machine by taking pictures of each other's hearts. They also receive clinical training in hospitals, where they use the machine on patients.

Instructors in the program train students in the fields of respiratory care and cardiopulmonary technology leading to a bachelor's degree. Part of the training includes a course in ultrasound study of the heart. Twenty nine students will be trained through the 10-week course this year.

William Treanor, chairman of the Cardiorespiratory Sciences Department, said the machine will put the program on the cutting edge in this high-tech health field. He noted that Stony Brook's program is the only one accredited on Long Island and the only one in the country with dual accreditation in the fields of respiratory care and cardiopulmonary technology.

Nancy Colletti, clinical instructor in the program, said up until now students were learning how to scan the heart using an older model of an ultrasound machine. The new machine allows students to receive the most advanced training, she noted.

Jayne Tansey, ultrasound systems sales representative for Hewlett Packard, said the company loaned Stony Brook the machine because of its teaching program.

"Stony Brook has the facilities and programs to teach students properly," she said. "I think it's important that the students have something current to work on. The machine is easy to use and because of that, it gets students interested in the field."

— Wendy Greenfield

## Administration Notes

### Citizens Advisory Committee Identifies Key Community Concerns

The relationship between the university and the community came under close scrutiny Nov. 15 at the first meeting of the Citizens Advisory Committee for the Campus Master Plan.

Nearly 20 community leaders—representing government, civic and neighborhood organizations, schools and local fire and police departments—brainstormed for three hours. The result: a detailed inventory of community concerns.

Perkins and Will, an architecture/engineering firm, is developing a master plan that will provide recommendations for improving the operation of the campus through such means as renovations, energy conservation, increased accessibility to campus buildings, landscaping and new construction.

The Citizens Advisory Committee, chaired by Vincent Donnelly, is charged with providing formal community input to the process, ensuring maximum consideration of the overall quality of life of the Three Villages area. At some point, the members will meet with Perkins and Will. But the first step is to define the issues.

The committee identified six broad areas of concern, including new housing, environment, fire and public safety, security, and traffic. Within each general area, members listed up to 30 sub-categories. A partial list of sub-groupings within "Environment," for instance, included waste handling, recycling programs, red bag waste, sewage, other solid waste, toxic and hazardous waste, incineration, emergency response to spills, past salt storage, water conservation programs, recharge from sewage treatment plant, existing wooded areas, Old Field's wetlands usage, noise pollution, air

pollution and sump maintenance.

In addition to such highly tangible issues, the committee also identified a range of concerns described by the term "plan philosophy." In this category, members listed such items as density of construction, provisions for maintaining open space, the university's commitment to house a larger population of students, "local control vs. SUNY and state control," and "esthetic priorities."

There is still time to talk about at the committee's next meeting in December. A partial list of topics to be addressed includes the veterans nursing home under construction, relationships with other facilities and entities (such as the proposed Southgate development), coordination with Brookhaven and county master plans and the use of the university by residents of the Three Village area.

Members of the Community Advisory Committee and their affiliations include: Kathi Bogensberger, Three Village Civic Association; Inspector Russell Brown, Suffolk County Police Department; Nancy Corr, Route 347 Committee; Phil Darcy, Three Village Pine Barrens Association; Walter Denzler, Three Village School District; Robert DeZafra, Route 25A Committee; Vincent Donnelly, chair, Citizens Advisory Council; Frank A. Dube, St. George's Golf & Country Club; William H. Hall, Civic Association of the Setaukets; Connie Hanes, Association for Community-University Cooperation; Dr. Jerome Higgins, Village of Old Field; Albert Machlin, New York State Department of Environmental Conservation; James Maloney, Suffolk County Department of Health Services; Dimitri Papadakos, Gyrodyne Company of America, Inc.; Joseph Schmitt, Stony Brook Civic Association; Gene Simco, Stony Brook Fire Department; Lewis Steinberg, Setauket Fire Department; Carol Swick, Town of Brookhaven; Jeanette Zentgraf, Long Hill Civic Association.

— Dan Forbush

### CAMPUS CURRENTS

Campus Currents is published weekly during the academic year by the Office of University Affairs, 322 Administration Building, State University of New York at Stony Brook, Stony Brook, NY 11794-0605. Phone: 516/632-6310.

Currents welcomes material from the university community. "People" items, Notices and Calendar listings should be submitted two weeks prior to publication date of the issue in which they should appear. These items may also be sent via the All-In-1 network to CURRENTS. News of significant national or regional interest should be discussed directly with News Services Director Vicky Penner Katz or Assistant Director Sue Risoli (632-6310).

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**Stony Brook**

# Political Science Major Beats The Odds Despite Spinal Injury

by Catherine Copeland

According to her range of upper body motion, political science major Jeannie Waters is a quadriplegic class 1B, having very weak triceps and limited hand use. But she transcends this classification everyday; especially in athletic competition.

A quadriplegic since 1984 when a fall at work caused a spinal cord injury, Jeanie recently returned from Seoul, Korea, where she was one of a 145-member wheel chair team to represent the United States in the 1988 Paralympics. There she broke her own record in the 100-meter and won bronze medals for the U.S. in the 200 and 400-meter races.

Medically classified as a 1B, her running time is so fast she runs as a 1C (quadriplegics with the most upper body motion.) "I choose to do it," she says, "I refuse to run as a 1B... it just isn't fair."

Jeanie's first initiation into major competition came when she qualified for her first national game held in Illinois a few years ago. There her performance surprised everyone.

"I just won every race," she said, "everybody was shocked — they didn't know me — I was shocked too."

After that, Jeanie was chosen for a "development team" and went on to prove herself in two other national games. She qualified for her first international competition as part of the United States



Jeannie Waters and Coach Steve Borbet discuss one of her bronze medals.

National Wheel Chair Team in 1987.

Jeanie called the Paralympics, which were formed 30 years ago and are held every four years in different cities around the world, the "largest" and "toughest" competition she has ever encountered.

"I had never been in a predicament where I've lost before," she said in explanation of not knowing what to expect at her first Paralympics competition. "I was a little nervous because [some of the other athlete's] arms were about the size of my legs."

Before the races she thought: "God let me win, but if you don't let me win—let me lose well."

The 30-year-old automobile mechanic-turned-student first became involved in athletics at Nassau Community College where a teaching assistant there inspired her and professors supported her efforts by working around her athletic schedule.

When it came time to transfer, Jeanie received support from Steve Borbet, coach of Stony Brook's track team, who offered to let her train with the team, a proposition that, she said, helped bring her to the

university.

Today she works out four times a week; covering six to 10 miles on long days, and a series of 200-meter sprints on others.

In all, Jeanie participated in the 100, 200, 400 and 800-meter races in Seoul, and was scheduled to run the slalom, which was cancelled just hours before the start.

She was recently the recipient of a certificate of appreciation from Stony Brook's Office of Student Affairs.

## President Visits Day Care Centers



University President John H. Marburger looks on as Staff Worker Stacey Cahill (center) and Moon Jung Choi, 3, play at the Benedict Day Care Center. Dr. Marburger recently visited all three buildings of the Stony Brook Day Care Center.

# Bulletin Board

## Notices

Academic and administrative notices should be directed to Assistant Director Sue Risoli, 319 Administration Building.

**Sleep Disorder Center Needs Volunteers to Participate in Study:** If your loved one has Alzheimer's or a related disorder with night wandering and insomnia, the Sleep Disorder Center in the University Hospital at Stony Brook are looking for volunteers to take part in a study. Alzheimer's or people with memory problems, 50 or older who have trouble sleeping and wandering are invited to be evaluated. Caregivers and family can call (516) 444-2916 Monday - Friday 8:30 a.m. - 3 p.m. for more information.

**Child Care Alert Network:** The Stony Brook office of the New York Public Interest Research Group is seeking concerned parents who would like to join our Child Care Alert Network. If you would like to help in a state wide campaign to support passage of the Act for Better Childcare, or be kept informed on child care issues, please call 2-6457.

**Holiday Craft Fest '88:** One of a kind arts & crafts gifts, individual items in ceramics, clothing, wood, fiber, glass, food & drawings! Live music 12 - 2 p.m. Shop on Campus! December 6, 7 & 8. Fireside Lounge and Lobby, SB Union.

**Holiday Pottery Sale:** Fireside Lounge, Student Union. Wed. Nov. 30 - Thurs. Dec. 1. 11 a.m. - 3 p.m.

**Volunteers Needed:** Volunteers to visit Jewish residents in local nursing homes during Chanukah. Brighten their holiday! Call the Hillel Office at 2-6565 to participate. Transportation is provided.

**Personal Computer Training:** The School of Continuing Education will offer evening courses in Personal Computer Training, classes beginning January 3, 1989. To receive a brochure with details and registration information, call 2-7071.

**Run Away With The Circus:** Jugglers, Mimes, Magicians, or other circus type acts. "Run Away with the Circus" will be a spring event sponsored by the Office of Student Union and Activities. Please respond before 11/30. Call 2-6828, and ask for William Kaneversky, or leave a message.

### Faculty/Staff Blood Drive

Tuesday, December 6  
Between 8:30 am and  
2:15 pm in the gym.

Call 2-6150 for an  
appointment.

It takes minutes to donate;  
rewards can last a lifetime

## Employment

### POSITIONS AVAILABLE

NOTE: Submit one application for each position to either Main Campus or University Hospital Human Resources departments. Candidates for state positions that are identified with an asterisk preceding reference numbers are selected from New York State Civil Service eligibility lists. Contact the Human Resources departments with questions.

#### Application Deadline November 30

88-220 - Postdoctoral Associate, SE-1, \$22,000-\$32,000, Physics.

88-221 - Academic Advisor, SL-3, \$24,500, Undergraduate Studies.

#### Application Deadline December 5

88-217 - Senior Staff Assistant, SL-3, \$24,000, Undergraduate Studies.

88-222 - Research Support Specialist, SE-2, \$19,071-\$29,000, Department of Medicine, Infectious Diseases.

#### Application Deadline December 19

88-223 - Instructional Support Technician, SL-3, \$27,000-\$31,000, Psychiatry.

\*Repost 88-179 - Staff Assistant, SL-2, \$23,000-\$28,000, Vice President Campus Finance and Management.

#### Application Deadline January 1

\*Repost F-68-87 - Associate or Full Professor, Political Science Department.

\*Repost F-69-87 - Assistant Professor, (tenure track), Political Economy/Policy.

\*Repost F-70-87 - Assistant or Associate Professor American Politics, Political Science Department.

F-40-88 - Assistant Professor (tenure track), Political Psychology (Decision-making), Political Science Department.

F-41-88 - Assistant Professor: Formal Analysis of Politics, Policy, Political Economy, Political Science Department.

F-42-88 - Assistant Professor of Political Science, (tenure track), International Relations/Defence Policy/International Political Economy, Political Science Department.

#### Application Deadline February 1

F-50-88 - Assistant or Associate Professor, (Operative Dentist), Restorative Dentistry, School of Dental Medicine.

F-51-88 - Assistant or Associate Professor, (Endodontist), Restorative Dentistry, School of Dental Medicine.

F-43-88 - Professor and Chairperson, Department, Electrical Engineering.

## Photographers Wanted

Campus Currents is seeking qualified freelance photographers to cover campus news. If you are interested, please contact Joe Caiola at 2-6310.

# Upcoming

Calendar items, event material and photos should be sent to the Upcoming Editor, 319 Administration Building.

## Monday November 28

**Seminar:** "Intimate Liaisons: The Proto-Oncogenes fos and jun and the Transcription Factor Ap1." Dr. Tom Curran, Roche Institute. Life Sciences Lab., Room 038, noon.

**Astrophysical Journal Club:** ESS Room 450, noon.

**Al-Anon, Adult Children of Alcoholics:** Social & Behavioral Sciences, Room N110. 8 p.m. Call 2-3395 for more information.

**Israeli Folk Dancing:** Stony Brook Union. 8 p.m.

## Tuesday November 29

**Seminar Series:** "Spectroscopy at Stony Brook and the National Synchrotron Light Source: Profs. Hanson, Anderson, Chu and Johnson. Chemistry Building, Room 412, 7 p.m.-10 p.m.

**Doctoral Recital:** Sandra Rogers, voice. Works by Strauss, Schumann and others. Recital Hall, Staller Center for the Arts, 8 p.m.

## Wednesday November 30

**Workshop:** "Writing a Paper" to be presented by Dennis Clark. Sponsored by the Returning Student Organization, this workshop will be at 6 p.m. in the Returning Student Lounge, Social and Behavioral Sciences Building, Room S-211. All returning students are welcome to attend. There will be light refreshments.

**One-Day Conference:** "The Legacy of the Sixties: Theory Across the Disciplines." Humanities Institute, Library E4341. 9:30 a.m. to 6 p.m. Admission free. Call 2-7765.

**Music at Noon:** HSC Gallery, Level 3

**Recital:** Grad students in Dept. of Music. Recital Hall, Staller Center for the Arts, noon.

**Annual Holiday Pottery Sale:** Fireside Lounge, Stony Brook Union. 11 a.m. - 3 p.m. Through Dec. 1.

**Seminar:** "On Signature Classes and the Hirsch Conjecture for Transportation Polytopes." Mr. Fred Rispoli, Ph.D. Student, Dept. of Applied Math & Stat., Math Tower, Room P-131, 12:30 p.m.

**Surface Science Seminar:** "Electron- and Photon-stimulated Desorption (ESD, PSD)," Grad. Physics, C120, 3 p.m.

**Squash:** Patriots at Fordham, 4 p.m.

**Dance Special:** "Urban Bush Women." Main Stage, Staller Center for the Arts. Tickets: \$18/16/14. 8 p.m.

## Thursday December 1

**Organic Seminar:** "Drug-DNA," Chemistry Building, Room 412, 4 p.m.

**Physical Chemistry Seminar:** "Imaging Chemical Bond Directions at Surfaces," Chemistry Building Room 412, noon.

**Seminar:** "Proto-Oncogenes and Signal Transduction," Dr. Perry D. Nisen, Long Island Jewish Medical Center, Physiology & Biophysics Department, Room 140, T-5, Basic Sciences Tower, 3 p.m.

**Astronomy Colloquium:** "SN 1987A: Neucleosynthesis, Neutron Star Masses and Mixing in the Ejecta," ESS, Room 450, 4 p.m.

**Basketball:** Patriots at John Jay 5 p.m.

**Contemporary Ensemble:** Music by Stravinsky, Carter and Bartok with the Camerata Singers. Staller Center for the Arts, Main Stage, 8 p.m.

## Famed Violinist To Begin American Tour At Stony Brook



Famed West German violinist Anne-Sophie Mutter launches her 1988 American tour on December 3 with a concert on the Main Stage of the Staller Center for the Arts.

Ms. Mutter, 24, has appeared in major concert halls around the world. A former child prodigy frequently compared with the young Yehudi Menuhin, she recently celebrated the 10th anniversary of her professional debut with Herbert von Karajan and the Berlin Philharmonic.

Her program at Stony Brook will consist of Guisepppe Tartini's "Sonata in G Minor," Johannes Brahms' "Sonata No. 3 in D Minor," Cesar Franck's "Sonata in A Major" and Maurice Ravel's "Tzigane."

Tickets are \$14, \$16 and \$18. For ticket information, call 632-7230.

**Lecture:** "How Do Mothers Protect Their Babies? Immunology and the Regulation of the IgA Response." Julia Quagliata, Dept. of Pathology, NYU Medical Center. S-240 Math Tower. 7:30 p.m. refreshments, 8 p.m. Lecture. All welcome.

## Friday December 2

**Arts Celebration:** The Greater Port Jefferson Arts Council presents "A Panolpy of Arts," beginning at 8 p.m., Port Jefferson Country Club at Harbor Hills. Tickets are \$25-members, \$30-non-members. For more information, call 928-9100, 473-0605.

**Squash:** Patriots at Wesleyan 4 p.m.

**Squash:** Patriots vs. Connecticut College (at Wesleyan) 7:30 p.m.

**Swimming:** Patriots vs. SUNY Albany 7 p.m., Gym

**ESS Astronomy Open Nights:** "And Next Its Neptune." Dr. Deane Peterson, SUSB, Harriman Hall, Room 137. 8 p.m.

**Folk Music Party:** An American Folk Music Party will take place at 9 p.m. in the Stony Brook Union Bi-Level. Susan Trump, a well-known folk singer will play her authentic folk guitars and sing the beautiful folk songs of the American people. The concert will be followed immediately by an old fashioned square dance with a professional caller and good-natured instruction in the art of American Folk Dancing. Refreshments will be served.

## Saturday December 3

**Squash Meet:** Patriots vs. Stevens Tech (at Wesleyan) 9:30 a.m.

**Women's Swimming:** Stony Brook Defender's Cup (with Brooklyn, Marist, Albany, Southern Connecticut, and U.S. Merchant Marine Academy) 11 a.m.

**Indoor Track:** Lady Patriots at Farmingdale Developmental Meet, noon.

**Indoor Track:** Patriots at Farmingdale Developmental Meet, noon.

**Squash:** Patriots at Yale. 1 p.m.

**Menorah Lighting:** Join in lighting the giant Hillel menorah Dec. 3, 4, 5, 6, 7, 8, 10 at 5:30 p.m., in front of Stony Brook Union. (4 p.m., Fri. Dec. 9) Candles and menorahs available at Hillel Office, Humanities, 165.

## Exhibits

**Through Dec 21:** Joan Snyder Collects Joan Snyder. Call 2-7240 for gallery hours.

## Hours

**Staller Center for the Arts Gallery:** Tuesday through Saturday 12 p.m. - 4 p.m.

**Barnes & Noble Bookstore**  
Monday and Tuesday 9 a.m. - 7 p.m.; Wednesday and Thursday 9 a.m. - 5 p.m.; Friday 9 a.m. - 4 p.m.; Saturday 10 a.m. - 2 p.m.

**Gym:** 7:30 a.m. - 11 p.m.

**Pool:** M - W - F 11:45 a.m. to 12:40 p.m.  
M - W - F 8:30 p.m. to 10:30 p.m.  
Sat., Sun. 2 - 4 p.m.

**Grad. Swim:**  
2:30 to 3:30 p.m. Tuesday and Thursday

**Library:**  
Reference, Commuter Lounge, government documents, current periodicals, maps:  
Mon. - Thurs.: 8:30 a.m. - 12 a.m.  
Friday: 8:30 a.m. - 8 p.m.  
Saturday: 10 a.m. - 6 p.m.  
Sunday: Noon - 12 a.m.

**Reserve:**  
Mon. - Thurs.: 8:30 a.m. - 12 a.m.  
Friday: 8:30 a.m. - 5 p.m.  
Saturday: 10 a.m. - 6 p.m.  
Sunday: Noon - 12 a.m.

**Circulation, stacks:**  
Mon. - Thurs.: 8:30 a.m. - 11 p.m.  
Friday: 8:30 a.m. - 8 p.m.  
Saturday: 10 a.m. - 6 p.m.  
Sunday: Noon - 11 p.m.

**For Music and Science Libraries, Special Collections:**

Mon. - Thurs: 8:30 - 10 a.m.  
Friday: 8:30 - 5 p.m.  
Saturday: 1 p.m. - 5 p.m.  
Sunday: 2 p.m. - 10 p.m.

**Health Sciences Library:**  
Mon.-Thurs.: 8:30 a.m. - 11 p.m.  
Friday: 8:30 a.m. - 9 p.m.  
Saturday: 8:30 a.m. - 5 p.m.  
Sunday: 1 p.m. - 9 p.m.

## Religious Services

**Jewish:**  
Friday evening:  
Services held in Roth Quad Dining Hall, first floor, Dec. 2, 9 - 5 p.m.; Followed by Shabbat dinner by reservation.

**Saturday morning:**  
Stony Brook Havurah (conservative/egalitarian) - Peace Studies Center, Old Chemistry Building, 9:30 a.m.

**Fall Shabbaton:** Mystical Dimensions of the Shabbat Experience, with Rabbi Eliyahu Klein. Call 2-6565 for more information.

**Stony Brook Hebrew Congregation (orthodox)** - Mathematics Room S-235, 9:30 a.m.

**Bible Study Group:** Humanities 157, Every Thursday 3:30 - 4:30 p.m. Call 2-6565 for more information.

**Roman Catholic:**  
Sunday Mass: 5 and 7 p.m. Peace Studies Center, Old Chemistry Building; 9:30 a.m. Hospital Chapel, Level 5 HSC.

**Weekday Mass:** 5 p.m. - Monday and Wednesday - Interfaith Lounge, Humanities Building, Room 157; Monday, Tuesday, Wednesday and Friday Hospital Chapel, HSC, noon.

**Prayer Service:** Tuesdays and Thursdays: Noon-Interfaith Lounge-Humanities 157; Thursday (Interfaith Service): Noon-Hospital Chapel, HSC.

**Sacrament of Reconciliation:** 4 to 4:45 p.m. Mondays, Humanities Room 167

**Protestant:**  
Wednesdays, 12:30 p.m., Interfaith Lounge, Room 157 Humanities Building.

**Muslim:**  
Weekly Friday prayers (Salat-al-Jamma), SB Union, Room 214, 1 p.m. All Muslims welcome.

## Monday December 5

**Astrophysics Journal Club:** ESS, Room 450, noon.

**Basketball:** Patriots at Old Westbury. 7:05 p.m.

**Al-Anon:** Adult Children of Alcoholics, Social & Behavioral Sciences, Room N110, 8 p.m.

## Tuesday December 6

**Surface Science Seminar:** "Electron Spectroscopy for Chemical Analysis (ESCA)," R. Brundle, IBM. Grad Physics, S240, 3 p.m.

**Seminar:** "Spectroscopy at Stony Brook and the National Synchrotron Light Source," Profs Hanson, Anderson, Chu, and Johnson. Room 412, Chemistry Building, 7 p.m.-10 p.m.

**Basketball:** Lady Patriots at William Smith. 7 p.m.

## Wednesday December 7

**Reading:** "The Truth About Lorin Jones" Pulitzer-prize winning novelist Alison Lurie. Staller Center for the Arts, Gallery. 3 p.m. Reception to follow.

**Swimming:** Lady Patriots at New York University; 5 p.m.

**Swimming:** Patriots at New York University; 5 p.m.

**Returning Students Club:** Lounge S-211, Social & Behavioral Sciences Bldg; 6 p.m.

**Film:** Film Society presents Theodoros Bafaloukos' "Rockers," Stony Brook Union Auditorium, 7 p.m. and 9:30 p.m. Admission \$2.

**Basketball:** Patriots at Lehman. 7:05 p.m.

## Thursday December 8

**Lecture:** "Human Insulin Proreceptor Processing and Insulin Resistant Diabetes." Dr. Donald F. Steiner, Univ. of Chicago; Dept. of Physiology & biophysics. Room 140, T-4, Basic Health Sciences Tower. 3 p.m.