

BACK TO IRAQ



Archaeologist Elizabeth Stone returns to a wartorn country. See page 7.

WOMEN'S HISTORY MONTH



Seminars, exhibits, films and more. See listings on page 5.

JAZZ CONCERT



Alto sax player Lee Konitz plays at Staller Center, Sat. March 7. See page 24.

UNIVERSITY AT STONY BROOK • SUNY • CURRENTS

MARCH 1992

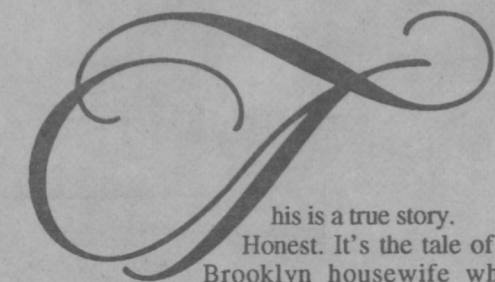
VOLUME 10 NUMBER 2

FOCUS: RESEARCH

The Wright Stuff

Primatologist preserves the lemurs of Madagascar

By Sue Risoli



This is a true story. Honest. It's the tale of a Brooklyn housewife who started out a matchmaker for her pet monkey and ended up an internationally renowned primatologist. A single parent who toted her child with her to graduate school, to the Amazon, to Africa, all the while making seminal discoveries more experienced researchers thought impossible. The creator/director of a multimillion dollar national park project and the winner of a MacArthur "genius grant," who says modestly, "I've had a bit of luck."

This is Patricia Wright's first year as a faculty member in Stony Brook's Department of Anthropology, a year in which she says life is becoming "a little more stable, a little less like a dream." Her work so far qualifies as the stuff a primate scientist's fantasies are made of. On her novice research expedition in 1975 — a shoe-string operation Wright planned by reading books at the New York Public Library — she became the first human being to observe night monkeys in the wild.

A decade later, she proved that the greater bamboo lemur, a shy, tree-dwelling primate thought to be extinct since 1900, was alive and well and living in the Ranomafana region of Madagascar. On the same expedition, she discovered a previously unknown species, the golden bamboo lemur, and established that the Ranomafana forest was the only place in the world where three species of bamboo-eating lemurs live together. The triple discovery was an anthropologist's equivalent of an Olympic "perfect 10" score, three times over.

Wright's years of huddling in bamboo thickets had been successful beyond her wildest dreams. But the initial excitement was tempered by the sobering reality of Madagascar's ecological abuse. A Texas-sized island off the eastern coast of Africa, Madagascar was once a tropical paradise where exotic creatures evolved in isolation from



At the entrance to Ranomafana National Park in Madagascar, established by Patricia Wright with funding from several agencies, children hold toys and World Wildlife Fund insignias she has given them.



Patricia Wright

the rest of the world. Plants and animals wiped out by bigger, hardier cousins on the mainland flourished unchallenged here. There are 29 species of lemurs alone living on the island, ranging from a tiny mouselike creature to a chimp-sized variety that resembles a panda bear.

But the 20th century has not been kind to Madagascar. Wright remembers her first flight over the country as "the saddest trip I've ever taken. The land was so devastated, it looked like the surface of the moon." Local farmers practice slash-and-burn agriculture, leaving the soil so eroded that Malagasy rivers run scarlet with runoff every time the

rains come. As she made her discoveries, she recalls, "We could hear the forest crashing to the ground around us while we worked."

Wright realized, "The only way I could continue to work with these animals was to get involved in conservation." Her plans met with a cool reception from local tribespeople. Desperately poor and in need of more — not less — land to farm, "The people pointed out to me that we couldn't just put a fence around the forests and close them off," Wright recalls. "They had pragmatic concerns about

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KUDOS

**Psychiatrist Wins Alzheimer's
Association Research Award**

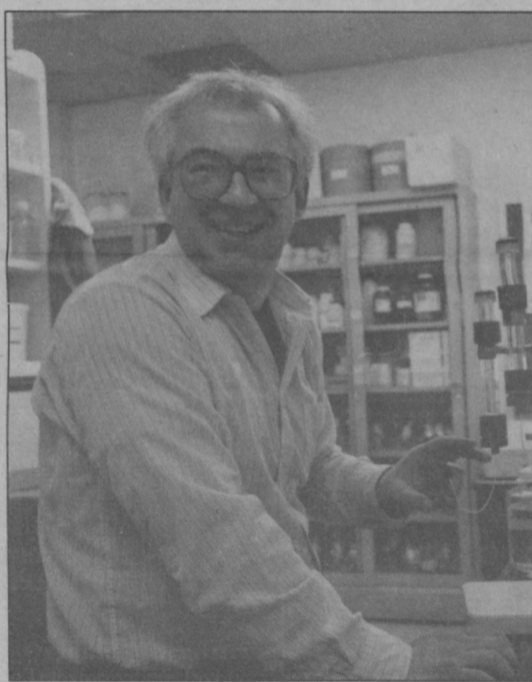
Dr. Dmitry Goldgaber, associate professor of psychiatry, is one of six researchers nationwide to receive a two-year, \$200,000 Zenith Award from the Alzheimer's Association.

The Zenith Awards, established last year, provide grants to senior-level scientists engaged in innovative research projects in Alzheimer's investigation. This program is supported by the Zenith Fellows, a distinguished group of Alzheimer's Association donors who have each committed \$1 million to cutting-edge research and program activities of the association.

"The Zenith Awards represent a major step forward for not only the association's research program, but for the status of Alzheimer's research," said Alzheimer's Association Chairman Richard Gehring. "Alzheimer's researchers now have a new, vital source of funding and support for their research projects which will, hopefully, one day unravel the mystery of Alzheimer's disease."

Goldgaber's project was selected from 23 proposals by the Zenith Review Committee, an independent panel of some of the nation's foremost Alzheimer's experts. Goldgaber will receive the funding for two years, with possible renewal in the third year.

He is studying how the normal protein, amyloid beta protein precursor (APP), is broken down. In 1986, he was one of the first to clone the gene that encodes the APP protein, which abnormally accumulates in the brains of Alzheimer's patients. The research may provide clues to the cause of this devastating disease.



Dmitry Goldgaber

MAXINE HICKS

**Spain Grants Hispanic Languages,
Literature Prize to USB Professor**

Elias L. Rivers, Leading Professor of Spanish and Comparative Literature, will be this year's recipient of the Premio Nebrija, a prize awarded by Spain to a distinguished foreign scholar in the field of Hispanic languages and literature. The recipient must have made major contributions to international Hispanism, but cannot be a native speaker of Spanish. This is the fourth year the prize has been awarded. Previous recipients have been faculty members at Oxford University, England; the Sorbonne, France; and the University of Florence, Italy. Rivers is the first American to win the Premio Nebrija.

The prize will be presented to Rivers by the president of the University of Salamanca, Spain, in July 1992. In addition to a medal and diploma, the Premio Nebrija brings with it four million pesetas (about \$40,000).

Rivers began to study Spanish at Yale University in 1946, following military service in China, Burma and India. He received the doctorate from Yale in 1952 with a dissertation on the life and works of Francisco de Aldana, a 16th century Italo-Spanish poet. His major published work is a critical annotated edition of the poetry of Garcilaso de la Vega, Spain's first major Renaissance writer.

Late in 1991, a new edition of Cervantes' satiric poem, *Viage del Parnaso*, edited by Rivers, was published by Espasa-Calpe. In this poem, good and bad poets meet on the mock-heroic battlefield.

In addition to his publications, lectures and teaching, Rivers has been secretary, vice president and president of the International Association of Hispanists, a UNESCO-sponsored organization of approximately 1,000 university professors.

Before coming to Stony Brook, Rivers taught at Johns Hopkins University and Dartmouth College, where he also chaired the Department of Romance Languages. He and his wife, Georgina Sabat, professor of Hispanic languages, were instrumental in building the Ph.D. program in Hispanic Languages and Literature at Stony Brook. Both plan to retire from teaching in 1992, but to continue their research in Spanish and colonial Spanish-American literature of the 17th century.



Elias L. Rivers

CURRENTS

MARCH 1992

VOLUME 10, NUMBER 2

Coming in April

FOCUS: REGIONAL IMPACT

Economic Partnerships

University/Industry Collaborations, Technology Transfer,
Applied Research Institute, Computer Integrated Manufacturing



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designer bar codes
for the U.S.
Postal Service



L.I. High Technology Incubator — wide
diversity of new technology under one roof



Antony Bourdillon:
industrial clients use
the research of
materials science
engineering

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

Center for Biotechnology Impact — Over \$40 Million

The Center for Biotechnology has just released results of an independent study showing that, since its establishment nine years ago, its programs have generated a total of \$40,925,149 in benefits to the New York State economy.

The figure, reflecting tax revenues to the state as well as dollars entering the state economy, represents an increase of 5.5 times the amount of funding New York State provides to the center.

"We have always thought of the center as a way of investing in the future economic growth of New York State," says Richard Koehn, director. "It seems that the future has arrived. Surprisingly, the study shows that the center has already had a significant impact on the economy of New York, especially the Long Island region. The findings illustrate the growing importance of biotechnology in the regional economy."

The study, commissioned by Koehn, was conducted by the Hofstra Business Consulting Group. In order to determine economic impact, the consulting group analyzed figures for the facility's seed grant funds, matching funds, leveraged funds, royalties and funds generated by the interim incubator program located on the campus. The figures, reported annually to New York State, were discounted, using appropriate inflation rates, to arrive at an economic profile in 1983 dollars.

Total funding for the center — \$15,110,005 — was discounted to 1983 dollars, for a total of \$12,716,167. Of the original funding, approximately \$6.2 million was from the state; the remainder came from corporate funds.

In total, the 1983-1991 economic impact created by the center amounted to \$40,925,149 in 1983 dollars, for a net (discounted) benefit of \$28.21 million. About \$10 million

of this figure was generated by the incubator program.

"The analysis conducted indicates that the Center for Biotechnology at SUNY Stony Brook, as a program, has a significant positive impact on the New York State economy," concluded the consulting group.

The Center for Biotechnology is one of 10 Centers for Advanced Technology located throughout New York State. The facility, designated as a Center for Advanced Technology in Medical Biotechnology, serves as an interface between Long Island's life sciences research community and the biomedical industry, investing in early phase, high-risk research projects. It also operates an incubator program for fledgling companies and sponsors programs to bring scientists and business people together. The university location enables it to serve as a focus for the transfer of technologies from research laboratories to the marketplace.

TIAA-CREF Legislative Update

The following remarks were presented by University President John H. Marburger to the University Senate in February:

By now, everyone should know that the State Comptroller has suspended payment of retirement contributions to the optional retirement plan (ORP) for TIAA-CREF employees in SUNY and CUNY. On January 28, 1992, a bill was introduced in the New York State Senate (S.6887) and the Assembly (A.9349) to respond to the Comptroller's action. Those affected are employees who began participating in the ORP on or after July 1, 1973.

The bill seeks to accomplish two things: First, to amend the retirement and social security law so that contributions to the ORP may be restored to the level paid in 1991 and be maintained at this level from January 1, 1992 to June 30, 1993; second, to establish a five-member temporary State

commission on optional retirement programs. The commission will investigate the level of employer contributions to the ORP, the appropriateness of linking such contributions to the employer contributions made to the N.Y.S. public retirement systems and any other pertinent matter, and issue a report containing findings and recommendations on or before April 1, 1993. The commission will include the president of UUP or his designee as a non-voting member. The desired outcome of the commission's report is that through legislation an ORP contribution rate can be set that will not be dependent on actions by the State Comptroller, nor on any statute that will link the ORP contribution to the contribution rate for the public retirement plans.

President Marburger suggested that those concerned contact their legislators to support these measures.

Yacov Shamash Named New Dean of Engineering

Yacov Shamash will join the University at Stony Brook as dean of the College of Engineering and Applied Sciences and professor in the Department of Electrical Engineering, beginning August 15, 1992.

"I am delighted to be coming to Stony Brook," Shamash says. "I am very pleased with the quality of the faculty currently at Stony Brook, and I expect great things for the college and for the university. I feel that there are fantastic opportunities in the Long Island area that we need to seize upon. Economic development is an issue of great importance, at this time, to the community, and the College of Engineering needs to play a major part in that development."

According to Provost Tilden G. Edelstein, "Dr. Shamash



Yacov Shamash

Continued on page 19

Historian Speaks on Black Women's Identity

Elizabeth Fox-Genovese, professor of history at Emory University in Atlanta, will deliver the next Distinguished Lecture on Tues., March 10, at 8 p.m. in the Staller Center Recital Hall. Her topic will be, "Unspeakable Things Unspoken: Ghosts and Memories in African-American Women's Identity."

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

Fox-Genovese is author of *Feminism Without Illusions: A Critique of Individualism* (University of North Carolina Press, 1991), *Within the Plantation Household: Black and White Women of the Old South* (University of North Carolina Press, 1988), *The*



Elizabeth Fox-Genovese

Origins of Physiocracy: Economic Revolution and Social Order in Eighteenth-Century France (Cornell University Press, 1976), and others. She edited *Restoring Women to History* (Organization of American Historians, 1984-86), wrote the *United States I* volume of the series, and co-authored the remaining three volumes. She has published close to 70 scholarly articles in such periodicals as *Georgia Historical Quarterly*, *The Nation*, *Women's Studies Quarterly*, *Marxist Studies*, *Journal of the American Academy of Religion*, and *George Washington Law Review*.

Fox-Genovese earned a bachelor's degree from Bryn Mawr College, and a master's and doctorate from Harvard University. She has studied at Columbia University's Center for Psychoanalytic Training and Research and at the Newberry Library's Institute in Quantitative Methods.

Before joining the faculty of Emory University — where she is Eleonore Raoul Professor of the Humanities, director of Women's Studies, and professor of history — she taught at SUNY at Binghamton and the University of Rochester. Fox-Genovese has been visiting scholar at numerous universities and lectured all over the country.

Hospital Expands Services to the Disadvantaged

University Hospital has received a three-year grant of close to \$600,000 from the New York State Health Department to expand medical and educational services to the poor. The grant will be used to hire a full-time social worker, dietitian and nurse practitioner in the Family Practice Center. These health professionals will spend much of their time in the field, assessing patients' needs before and after clinic visits and helping them access community services.

"The money will be used to round out and enhance the health care we already give to our patients and to reach those patients who are not eligible for Medicaid," said Dr. Roxanne Fahrenwald, assistant professor of family medicine and principal investigator of the grant. The money will also be used for community outreach, such as health screenings and health fairs.

The grant is part of the state's \$21 million Primary Care Initiative to expand health care services at hospitals and clinics across the state. The program, authorized by the hospital reimbursement legislation of 1990, targets funds

at urban and rural communities identified by the state Health Department as medically underserved.

The state made \$2.3 million available to Nassau and Suffolk Counties. University Hospital was one of five Long Island institutions to receive funding.

Primary Care Initiative includes grants to support longer clinic hours, establish linkages with community health care providers, expand primary care education efforts and implement creative case management practices.

Another aspect of the initiative includes funding for the Child Health Insurance Program, enhanced Medicaid rates for institutions designated as Preferred Primary Care Providers, Medicaid fee increases for physicians who provide comprehensive services to children, and enhanced Medicaid rates for hospitals that develop programs to recruit and retain primary care practitioners.

"We definitely recognize the need for education and providing care for the indigent," said Sid Mitchell, chief operating officer of University Hospital. "This is one way of trying to provide continuity of care."

Provost's Convocation March 5

Provost Tilden G. Edelstein will deliver his annual convocation address on Thursday, March 5, at noon in the Recital Hall of the Staller Center for the Arts.

His topic will be, "Over the Rainbow: Fostering Multiculturalism, Diversity and Quality." Faculty, staff, students and community members are invited.

AIDS Memorial Quilt Coming March 31-April 2

The University at Stony Brook will display part of the NAMES Project AIDS Memorial Quilt from March 31-April 2, 1992. More than 1,300 of the quilt's 14,000 individual panels — each one remembering the life of someone who has died of AIDS — will be spread out on the floor and walls of the Indoor Sports Complex.

Space to display the quilt and the time of those working on the display will be donated by the university. Donations collected at the display will be distributed among local AIDS service providers, including the AIDS care facility at University Hospital.

The San Francisco-based NAMES Project Foundation displays portions of the quilt worldwide to encourage visitors to better understand and respond to the AIDS epidemic, to provide a positive means of expression for those grieving the death of a loved one, and to raise funds for people living with AIDS.

Each three-by-six foot panel is made by a friend, lover or family member. The quilt, begun in 1987, now includes panels from all 50 U.S. states and 26 other countries. Panels include those made to remember AIDS activist Ryan White, actor Rock Hudson and Olympic athlete Tom Waddell.

The entire quilt will be displayed in Washington, D.C. in October 1992.

Research Briefs

Glitter of Times Square's Past is Permanently Tarnished

Times Square — the glittering focal point of the excitement of New York City — has succumbed to the corporate lifestyle of the 1990s.

That's the conclusion of History Professor William Taylor, editor of a new book, *Inventing Times Square* (Russell Sage Foundation, 1992). Despite the efforts of planners and developers, the Times Square of the '20s and '30s — which gave birth to Vaudeville, Tin Pan Alley, Flo Ziegfeld, Billy Rose, Broadway theatre, television, radio, films and more — will never be back again, he says. In its place reside the new office towers of corporate America.

"Times Square is becoming the legal and brokering center of the city," says Taylor, who still sees a role for the glamorous ambiance of the past. "But," he cautions, "it will be a minor one."

Taylor's book, the first wide-ranging historical look at Times Square, consists of 19 original essays that trace the growth of the region as a central entertainment district. Compiled while Taylor was a research fellow at the Russell Sage Foundation in New York, *Inventing Times Square* examines the region from its christening in 1905 through the deliberate strategies that shaped the area, its commerce and entertainment — all of which gave Times Square its color, aesthetics and sexuality.

The unique forces that came together to create the power and influence of Times Square included the new Grand Central Station and the city's subway system; the appearance of color, glass and light, developed primarily by architect Joseph Urban; and Broadway music entrepreneurs and writers who immortalized the language of Times Square.

By the mid-20s, he says, some 50 theatres were producing over 150 new shows a year, heralding a new breed of aggressive theatrical producer of the likes of Hippodrome entrepreneur Fred Thompson, who envisioned "a department store in theatricals" to cater to an expanding appetite for amusement.

The Depression knocked the wind out of Times Square. By the '30s, movies had become the major form of popular entertainment, and World War II — and the rise in prostitution and pornography — dealt the district an additional series of blows, from which it never recovered.

AT&T Grant Funds Public School Collaboration with USB

The Department of Technology and Society has been awarded a grant of \$500,000 worth of computer and communications equipment from AT&T. The equipment will be used as a research laboratory in industrial management, in partnership with the Mount Sinai Public School District and Cyber-Thought Enterprises, a Shoreham-based systems and management technology firm. The department will also develop computer-based educational programs for high school, undergraduate and graduate students.

"Members of our faculty look forward to collaborating with the staffs at Mount Sinai High School and Cyber-Thought Enterprises," says Department of Technology and Society chair Thomas Liao. "The new laboratory of network computers will provide the means to create exemplary models of how industrial and academic groups can work together to create new learning environments."

The equipment includes an AT&T Star Server "S" computer and 20 personal computers, all interconnected via a local network. The USB and Mount Sinai systems will be connected by a digital communications link, permitting the two facilities to work together on joint projects. Cyber-

Thought Enterprises will help design software for the laboratory.

Initial projects will include the development of courses in technological systems management. The first will be a graduate course in computer integrated manufacturing, scheduled for the Spring 1992 semester.

The AT&T equipment is configured for research as well as classroom instruction. It can also be used to simulate modern industrial client-server interaction, providing access to a single large database containing information about all aspects of a business. The server, under the Unix operating system, can handle multiple tasks for multiple users simultaneously and can also limit access to authorized information.

Heart, Lung, Kidney Disease Studies Reported at Conference

Medical researchers and physicians from Stony Brook and other Long Island institutions presented recent findings at an American Heart Association conference in February at the Health Sciences Center.

Ten scientific abstracts — representing seven Long Island hospitals — were presented at the conference, "Scientific Sessions 1992." Drs. Peter Cohn, chairman of cardiology, and Thomas Biancaniello, head of the division of pediatric cardiology, chaired the conference.

Heart disease is the number one killer in men and women in the U.S. On Long Island, one out of two people die of heart disease.

The Stony Brook research projects were:

- Following a heart attack, the heart may enlarge and change its composition by a process called "remodeling." Often remodeling leads to increased hospital admissions and a higher risk of death. A study by Stony Brook researchers on the effect of the experimental drug, milrinone, following a heart attack, shows that rats that received the drug had smaller hearts than those that did not receive the drug, demonstrating that the remodeling process is reversible. The research team included Praveer Jain, fellow in cardiology; Giridhar Korlipara, medical resident; Mark Hughes, Oneida Lillis, instructional support technician; and John P. Dervan, assistant professor of cardiology.

- A Stony Brook study of brain abnormalities in hypertensive rats suggests a link between high blood pressure, hyperactivity, loss of brain tissue and lowered brain metabolism. The researchers included Professor Joseph Fenstermacher, Postdoctoral Associate Ling Wei, Instructional Support Specialist Virgil Acuff, and Professor Clifford Patlak, all of the Department of Neurological Surgery, and S.H. Lin, formerly at Stony Brook, and now at the University of Taiwan.

- Dr. Lance A. Parton, assistant professor of pediatrics, has identified a new protein that may be responsible for preventing the breakdown of the protein, fibrin. An excessive amount of fibrin is found in certain lung disorders, including pneumonia and hyaline membrane disease in premature infants; the fibrin buildup results in a barrier between the exchange of oxygen and carbon dioxide. Parton suggests that the protein may play a role in these and other lung diseases.

- Researchers from Stony Brook, the University of Virginia and St. Charles Hospital in Montpellier, France, describe one of the ways long-term use of the immunosuppressant drug, cyclosporine, has an adverse effect on the kidneys. The Stony Brook participants include Frederick Kaskel, associate professor of pediatrics; Alaaeldin Omar, postdoctoral associate of physiology; and Leon Moore, associate professor of physiology and biophysics.

Doctors from Nassau County Medical Center, Brookhaven Memorial Hospital, North Shore University Hospital, Long Island Jewish Medical Center's Schneider's Children's Hospital and Winthrop University Hospital also presented their research.

Sulfates Cool Planet, But Can't Reverse Greenhouse Effect

Collaborating with scientists from six other institutions, a Stony Brook researcher has found that sulfates in the atmosphere — produced by burning fossil fuels — are cooling the planet. Distinguished Service Professor Robert Cess, leading professor of atmospheric sciences, and project colleagues warn that the cooling process doesn't cancel out the "greenhouse effect," and may actually complicate efforts to reverse the warming trend.

In a paper published in the January 24 issue of *Science*,

the authors establish that sulfate particles, products of burning coal and oil, reflect sunlight away from the earth.

"We're not by any stretch of the imagination claiming that this process counteracts global warming," he points out. "We're trying to quantify this previously ignored piece of the global climate puzzle...Greenhouse warming by itself is difficult to understand. The way sulfate processes are tied in with greenhouse gases makes the whole picture even more complicated."

Sulfates also complicate efforts to reverse global warming, the researchers conclude. If burning of fossil fuels is reduced, they say, the amount of sulfates in the atmosphere would decrease within a few days to a week. But carbon dioxide would remain for almost a century, along with other greenhouse gases that have long lifetimes. "So by reducing or even stopping the burning of fossil fuels," says Cess, "you would actually accelerate global warming by allowing it to continue unchecked by sulfates."

Substances known as "scrubbers," used to reduce sulfate emissions at power plants, could also be encouraging global warming in the same way, Cess says.

The researchers' next step will be to obtain satellite data for a closer look at the role of sulfates in global climate change.

Cess is a member of the Institute for Terrestrial and Planetary Atmospheres. The paper was a collaboration of USB, the University of Washington at Seattle, Brookhaven National Laboratory, Pacific Northwest Laboratory, Oregon State University, the National Aeronautics and Space Administration's Goddard Institute for Space Sciences, and the National Oceanic and Atmospheric Administration's Climate Monitoring and Diagnostics Lab.

Newly Discovered Molecule May Trigger Allergic Diseases

Stony Brook scientists have discovered a new molecule that may play a role in turning an allergic reaction into an allergic disease.

Reporting in the February issue of *The Journal of Experimental Medicine*, the researchers say that the molecule attracts histamine-containing cells called basophils and causes them to secrete histamine, the body's response to an allergen.

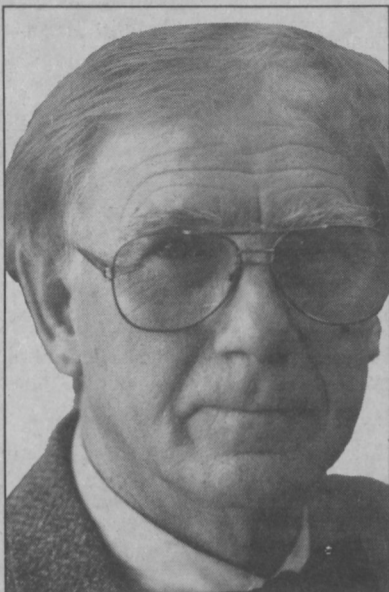
"We believe this is one of the molecules responsible for chronic inflammation in allergic diseases," says Dr. Allen Kaplan, professor and chairman of medicine at the School of Medicine and principal investigator of the study. "The multiple functions of the molecule in inflammation make it a likely candidate for a role in perpetuating chronic allergic diseases, such as asthma."

The molecule is called MCAF, or monocyte chemotactic and activating factor, so named because it is produced by monocyte cells and also attracts them. In addition, MCAF attracts basophils and causes them to release histamine.

Dr. Kaplan says that MCAF is of great interest to medical research because it may play a role in other medical problems, such as heart disease and autoimmune disorders. For example, monocytes become engorged with fats, such as cholesterol, during atherosclerosis. Recent evidence shows that MCAF is produced during this process within the blood vessel wall and may be responsible for perpetuating the monocyte accumulation.

Dr. Kaplan says his research may pave the way for new treatments for allergic diseases that would inhibit or interfere with the secretion of the molecule. Similar drugs might one day also slow the development of heart disease.

In addition to Dr. Kaplan, the research was done by Seshu R. Reddigari, research instructor in medicine, Piotr Kuna, visiting research fellow in medicine, and Doreen Rucinski, senior technician, all of USB; and Joost J. Oppenheim of the Laboratory of Molecular Immunoregulation at the National Cancer Institute.



William Taylor

ED BRIDGES



MAXINE HICKS



Women's History Month activities are coordinated by the Women's Studies Program, Old Chemistry, Room 105. For more information, call 632-9176.

WOMEN'S HISTORY MONTH

"The Role of Campus Leaders in Eliminating Sexual Harassment." Discussion with resource panel from Student Judiciary, Affirmative Action, Campus Women's Safety Committee and Women's Studies. Stony Brook Union, Bi-level. 12:40-2:00 p.m.

Film: *Not a Love Story* (about pornography and media violence). Discussion led by Marci Lobel, psychology. Sponsored by Phi Sigma Sigma Sorority, Javits Lecture Center, Room 105. 8:00 p.m.

Friday, March 6

Potluck Supper: Celebrating Family. Toscanini Infant Center. 6:00-8:00 p.m. Call 632-6933.

Midori, violinist. Main Stage, Staller Center for the Arts. 8:00 p.m. \$. Call 632-7230.

Sunday, March 8

Jazzercise. Indoor Sports Complex. 1:00-4:00 p.m. Call 938-3900.

Monday, March 9

Ilona Rashkow, comparative literature, "Images of Women in Genesis 1 through 4." Javits Lecture Center, Room 101. 2:00-3:15 p.m.

Tuesday, March 10

Frank Anshen, linguistics, "Language and the Sexes." Psych A, Room 261. 2:30-3:50 p.m.

Alternative Cinema: *True Love*, Stony Brook Union Auditorium. 7:00 & 9:30 p.m. \$.

Distinguished Lecture, Elizabeth Fox-Genovese, "Unspeakable Things Unspoken: Ghosts and Memories in African-American Women's Identity." *Recital Hall, Staller Center for the Arts*. 8:00 p.m.

Discussion: "Same Sex, Different Agenda: Women of Color and the Feminist Movement." 8:30 p.m. Center for Women's Concerns, H Quad, D 120 Langmuir.

Wednesday, March 11

Film: *Positive Images: Portraits of Women with Disabilities*. Discussion with Executive Producer Harilyn Rousso. Stony Brook Union Room 236. 12:40-2:00 p.m.

Career Prospects at Universities Open House. Campus NOW and the Women's Faculty Association invite women students in all disciplines for conversation and refreshments. Ward Melville Social and Behavioral Sciences, Room 216. 12:40-2:00 p.m.

Susan Squier, English, "War, Gender and Modernism." Humanities, Room 285. 5:00-6:20 p.m.

Nilufer Isvan, sociology, "Gender and Work" Harriman Hall, Room 137. 6:30-9:30 p.m.

Imran Hosein, Muslim chaplain, "Women in Islam." Sponsored by the Interfaith Center. 7:30 p.m. Roth Cafeteria.

Thursday, March 12

Rita Nolan, philosophy, "Education as a Precondition of Autonomy," Room 249, Harriman. 11:30 a.m.-12:50 p.m.

Virginia Sapiro, Univ. of Wisconsin, Madison. "Voters' Support for Female Candidates." Javits Lecture Center, Room 111. 11:30 a.m.-12:50 p.m.

Virginia Sapiro, Univ. of Wisconsin, Madison. Political Science Colloquium, "The Dynamics of Support for Gender Equality in the 1990s." Ward Melville Social and Behavioral Sciences, Room N-702. 3:30-5:00 p.m.

Nilufer Isvan, moderator. Panel discussion: "The Feminist Movement and the New Right in the U.S." Sponsored by the Institute for Social Analysis. 4:30 p.m. Peace Center, Old Chemistry.

Sunday, March 15

U.S. Volleyball Tournament. Indoor Sports Complex. Call 632-7212. 9:00 a.m.-5:00 p.m.

Monday, March 16

Gloria Rocchio, "Jenny and Dorothy Melville

EXHIBITS

Feb. 23-March 29, African Art from the Charles D. Miller III collection, including ritual objects from the Secret Society of Sande Women. For gallery talk information, call 751-2676, Gallery North, 90 N. Country Road, Setauket.

Feb. 29-March 22, "Women Artists '92." Mills Pond House, Smithtown Arts Council, Rte. 25A and Mills Pond Rd, St. James. 11:00 a.m.-4:00 p.m.; reception February 29, 3:00-5:00 p.m.

March 1-31, "Recent Women Authors." Book display. Frank Melville Jr. Memorial Library, near third floor Circulation Desk.

March 1-31, Exhibit honoring 1988 Nobel Prize winner, Dr. Gertrude Elion, research scientist in pharmacology. Administration Building lobby.

March 1-31, Tours of Thompson House, 93 North Country Rd., Setauket. Highlights the contributions of Long Island's colonial women to the economy of their households. Available to groups. Call 941-9444.

March 2-14, "Ancient Dreams ... Soul Houses." Paintings by Mabi Ponce DeLeon. Library Gallery, 1st floor, Mon.-Fri., noon-4:00 p.m.; reception: March 2, 4:00 p.m.

March 8-June 7, "Innovative Traditions 1991: New Expressions in Contemporary Quilt Making." Museums at Stony Brook, History Museum, Rte. 25A. \$.

March 9-19, "Humour with Colours." L.I. women artists. Curator Pura Cruz, Stony Brook Union Gallery, noon-5:00 p.m.; reception: Wed., March 11, 7:00-9:00 p.m.



EVENTS

February 27-March 1 & March 5-8

Roosters. The story of a contemporary Chicano family by award-winning West Coast woman playwright, Milcha Sanchez-Scott at the Staller Center for the Arts, Theatre 1. Thurs.-Sat., 8:00 p.m.; Sun., 2:00 p.m. \$. Call 632-7230.

Saturday, February 29

Erika Spiewak, performs her award-winning one-woman play with songs, *Kaleidoscope Lady*, at Mills Pond House, Smithtown Arts Council, Mills Pond Road and Rte. 25A, St. James. 2:00 p.m.; reception 3:00-5:00 p.m.

Concert of Music by Women Composers. Stony Brook Camerata Singers and Music Department. Sponsored by The Women's Studies Program and the Greater Port Jefferson Arts Council. 8:00 p.m. Stony Brook School, Rte. 25A and Cedar St. (opp. railroad station). \$. For tickets, call 928-2664.

Sunday, March 1

Clothesline Project Workshop to design T-shirts that graphically illustrate violence against women. 3:00-7:00 p.m. Center for Women's Concerns, D120 Langmuir.

Monday, March 2

"Cross Cultural Experiences of Women in the U.S." A multicultural panel discussion with audience participation. Refreshments. Peace Center, Old Chemistry. 12:30-2:30 p.m.

Tuesday, March 3

Health Fair and Health Careers Day. Participants from AIDS Education Resource Center, School of Allied Health Professions, Dept. of Medicine, School of Nursing, School of Social Welfare, the Dental School and the Hospital Auxiliary will be available to speak to students and/or provide blood pressure screening, cardiovascular fitness, posture evaluation, information on breast self-examination, skin cancer, AIDS, and domestic violence. Continuous showing of health-related video tapes. Stony Brook Union, Bi-level, 11:00 a.m.-6:00 p.m.

Dr. Paula Scalingi (Permanent Select Committee on Intelligence, House of Representatives), "Women in Politics." Room 111, Javits Lecture Center. 11:30 a.m.-12:50 p.m.

Dr. Paula Scalingi, Political Science Colloquium, "Women in Underrepresented Areas of Government: National Defense, Armed Forces and Intelligence." Room N-702, Ward Melville Social and Behavioral Sciences, 3:30-5:00 p.m.

Gala Celebration: Eat, drink, be merry and laugh as Ann Fauvell reads excerpts from her short stories, *Touching in the Right Places*. Peace Center, Old Chemistry, 7:00-9:00 p.m.

Alternative Cinema: *Wedding in Gallilee*, Stony Brook Union Auditorium, 7:00 & 9:30 p.m. \$.

Wednesday, March 4

Carol Kessner, "Emma Lazarus" (Round Table Life-long Learning Program). Ward Melville Social and Behavioral Sciences, Room 102. 1:30 p.m. Reservations: 632-7063.

and the History of the Stony Brook Community Fund." Sponsored by the Three Village Historical Society at the Setauket Neighborhood House. 8:00 p.m.

Tuesday, March 17

Film: *The Artist was a Woman* (58 min.). University Art Gallery, Staller Center. Noon.

Erika Spiewak performs her award-winning one-woman play with songs, *Kaleidoscope Lady*, Staller Center for the Arts, Theatre III. 5:00 p.m.

Helen Lemay, history, "The Childbirth Experience." Langmuir Fireside Lounge. 6:30-8:30 p.m.

Discussion: "History of Gender Politics and the Right to Choose." 8:30 p.m. Center for Women's Concerns, D120 Langmuir.

Wednesday, March 18

"Women in the Professions." (PSI Gamma Sorority). SB Union Auditorium. 12:40-2:00 p.m.

Robert Hawkins, allied health professions, "Lesbians and Lesbian Relationships." Health Sciences Center, Level 3, Room 155. 3:30-6:00 p.m.

Alice Ross, historian, "Women's Work: the Hearth and History." Sponsored by the N.Y. Council for the Humanities. Joint meeting of Smithtown Historical Society, League of Women Voters and American Association of University Women. Brush Barn, behind 211 Middle Country Road, Smithtown. 7:30 p.m.

Monday, March 23

Tour and Talk: "Innovative Traditions 1991: New Expressions in Contemporary Quilt Making." Amy McKune, curator, Museums at Stony Brook, History Museum, Rte. 25A. 7:00 p.m. Refreshments. \$. Reservations: call 751-0066.

Film: *Woman of Power, Chief Wilma P. Mankiller*. Producer/director Mary Scott will introduce the film. Port Jefferson Free Library, 7:30 p.m.

Tuesday, March 24

"Women and Science" (American Association of University Women). Emma Clark Library, Setauket, 7:30 p.m.

Friday, March 27

"Taproots Women Read." Poetry Center, Room 238, Humanities. 2:00 p.m.

Saturday, March 28

Long Island Philharmonic Orchestra, Marin Alsop, conductor. Main Stage, Staller Center for the Arts. 8:00 p.m. \$. Call 632-7230.

Sunday, March 29

Lecture and Fashion Show, "100 Years of Women's Fashion: 1860-1960," Emma Clark Library, Setauket, 2:30 p.m. Reservations, 941-4080.

Tuesday, March 31

Dianne Rulnick, director, human resources, will address the Career Women's Network luncheon, Stony Brook Union Ballroom. Noon-1:00 p.m.

Alternative Cinema: *Johnny Guitar*, an offbeat feminist western. Stony Brook Union Auditorium, 7:00 & 9:30 p.m. \$.

Janice Koch, "The Foremothers of Science," American Women In Science. Math Tower, Room 240. 8:00 p.m.

Wednesday, April 1

Michele Wallace, "Race, Gender and Psychoanalysis in 40s Films: *Lost Boundaries* and *Home of the Brave*." University Art Gallery, Staller Center for the Arts. 12:40 p.m.

Ruth Gruber, author, journalist, "Sixty Years as a Foreign Correspondent." Stony Brook Union, Room 231. 8:00 p.m.

Cosponsored by Women's Studies Program, Art Department/Staller Center for the Arts Gallery, Center for Science Mathematics and Technology, Faculty Student Association, Graduate Student Organization, Music Department, Office of Equal Opportunity/Affirmative Action, Office of the Provost, Political Science Department, Polity, Stony Brook Union Gallery, Theater Arts Department. For more information, call Women's Studies: Adrienne Munich, director; Connie Koppelman, Women's History Month coordinator; or Megan Perillo, student intern, 632-9176.

All activities are open to the public and FREE except where noted (\$).



Rehabilitation Project Expands into Central Hall

This spring, the Rehabilitation Institute (TRI), will open a 1,000-square-foot office in the campus's Central Hall building, to expand services to Suffolk County residents and Stony Brook students and staff.

TRI is a non-profit agency that provides vocational evaluation, training and job placement for the emotionally and physically disabled. Established in 1965 by Dr. Edmund Neuhaus and Louise Friedman, TRI has placed nearly 4,000 disabled individuals in jobs at about 400 different companies on Long Island.

In May 1988, the University at Stony Brook and University Hospital joined with TRI to promote vocational rehabilitation and training through various hospital departments.

Since 1988, over 100 disabled Suffolk County residents have been served by the TRI-Stony Brook program. Thirty-five have returned to the work force, with 24 employed at Stony Brook. Seven became eligible for college tuition upon graduation from the program and have enrolled in school.

As a result of Stony Brook's participation, the hospital was recognized as an Employer of the Year in October by the Nassau-Suffolk Placement Network and *Newsday*, as part of National Disability Employment Awareness Month.

William Newell, the hospital's executive director, says, "University Hospital and TRI have worked closely to develop a meaningful and needed rehabilitation program. We are especially gratified that a number of the participants have been employed, are doing well and paving the way for others to follow. This is another example of our commitment to help others. We urge other health care providers and businesses to join the program."

Clients are referred to the TRI program through the state Education Department's VESID (Vocational and Educational Services for Individuals with Disabilities). After having their needs and abilities assessed, they are placed as trainees in a hospital department on a 25-day evaluation period which can be extended up to 220 days. The program includes weekly supportive counseling. When clients complete the TRI program, they may join a job placement group for help with resumes and preparation for job interviews.

TRI clients train in about 40 different hospital and university departments, ranging from the Physical Plant to business offices. At the hospital, many work as cleaners, maintenance workers, nursing ward clerks, EKG clerks, pharmacy hospital attendants and lab assistants.

"The experience is confidence-building," says Karen LoPresti, program director for TRI-Stony Brook. "We're helping disabled individuals make their way back to gainful employment. Using the hospital as a rehabilitation site has had a healthy effect on program members."

Jack Campbell, a kidney dialysis patient who lost his job as a fuel oil operator because of his illness, completed the TRI program and now works as a hospital operator, a high stress job. Since graduating from the program, Campbell has become active in the hospital's kidney dialysis support group, organizing a bus trip for patients and a fund-raising bowlathon. He also participates in the hospital's BEST program (Bring Excellence and Service Together) to improve hospital services and

volunteers on the hospital's United Way committee.

Theresa Beutel, his supervisor and manager for hospital communications, gives him rave reviews.

"He is one of the best operators we have," Beutel says. "He is responsible and conscientious, and always takes the extra step. I can rely on him." — *Alpine*

Library Adds CD-ROM Network for Medline

Journal Article Searching

The Health Sciences library has implemented a local-area network for *Medline*, the medical journal index from the National Library of Medicine. Funded by the University Hospital Auxiliary, this network provides direct patron access to the medical journal literature for the latest three years.

Currently there are three terminals in the library for accessing both *Medline* and the *Cumulative Index to Nursing and Allied Health*. Soon two lines will become available to dial into *Medline* with a password from any computer with telecommunications capability. The initial phase of the project opens dial access to University Hospital users. Additional funding will expand access. The CD-Rom network is the latest development in the library's increasing use of computer technology to increase services for faculty, staff and students.

Online Catalog

The H.S.C. Library's online public access catalog (LS/2000) contains current information on all materials in the library — books, journals and audiovisuals. This information can be accessed through 11 public terminals or dial-in access from offices, homes or residence halls via PC with a modem, ROLM phone or other software. Users can search by author, title, conference name, medical subject or keyword. Users can also combine results of two or more searches for access to all materials in the collection. New materials are added daily, with the call number, location and circulation status of each item displayed on the screen.

For additional information, call the Reference Desk at 444-3097.

New Chairman of Surgery Named to Medical School

Dr. Najj N. Abumrad, former Paul W. Sanger Professor of Surgery and Medicine at Vanderbilt University School of Medicine in Nashville, has been appointed professor and chairman of the Department of Surgery in the School of Medicine and clinical chief of the Surgery Service at University Hospital.

Abumrad replaces Dr. Felix Rapaport, who completed a two-year appointment as chairman and resumed responsibilities as director of University Hospital's Transplantation Service.

Abumrad received his medical degree from the American University in Beirut in 1971. He trained in pediatrics for three years and then in surgery at the State University of New York at Syracuse and remained on the faculty until 1979. He then was recruited to Vanderbilt, where he was promoted to professor of surgery in 1984 and held additional professorships in medi-

cine and molecular physiology and biophysics. He directed the surgical research laboratories at Vanderbilt and was associate director of the institution's Clinical Research Center.

His research, focused on glucose and protein metabolism, has been published in over 100 papers in peer-reviewed journals on these and related topics.

As an experienced and highly regarded endocrine surgeon, Abumrad has also been responsible for an active clinical service and has earned a reputation as an outstanding teacher. — *Alpine*



Dr. Najj N. Abumrad

A Decade of Teaching Medical Students to Care

Dr. Ira Rezak understands very well the direction medical schools across the country are beginning to take to foster compassionate attitudes among aspiring physicians.

He recently stepped down after 10 years of stewardship of Stony Brook's "Introduction to Clinical Medicine" course, which gives medical students their first taste of caring for patients.

In the course, first- and second-year students develop skills in taking patient histories, conducting physical examinations and recording observations, all while communicating a sense of compassion for the patient. The course is faculty-intensive, with a ratio of one clinician-teacher for every two students, and prepares students to enter their third-year clinical clerkships.

Rezak has helped shape the medical school since his arrival in 1970, one year before the first class was accepted. He has served on the Curriculum Committee, the Executive Committee of the Faculty Senate, the Appointments, Promotions and Tenure Committee and chaired the Admissions Committee. He also is a co-founder of Stony Brook's History of Medicine Group which, for the past 14 years, has brought faculty and students together to discuss the history of medical science, medical trends and diagnosis.

Rezak is a co-author of the book, *Nobel Laureates in Medicine or Physiology*, a biographical reference work about the recipients of these Nobel Prizes from 1901 to 1989, published in 1990 by Garland.

Board-certified in internal and pulmonary medicine, he is a clinical professor of medicine at Stony Brook, the associate chief of staff for education, and acting chief of staff at the Veterans Administration Medical Center in Northport. He long served as the VA's chief of the Pulmonary Disease/Critical Care Division and as medical director of the Intensive Care Unit and Respiratory Therapy Section. He also was associate chief and acting chief of the Medical Service.

Rezak recalls that in the early years

when the medical school had only 25 students per class, a closer relationship between faculty and students existed than is possible today. Currently, the medical school accepts 100 entering students.

The school also encouraged "alternative" students to enter the program and continues to do so today. "We had former truck drivers, many allied health care professionals, rock stars and others off the beaten track," Rezak says.

Stony Brook was one of the first medical schools to introduce a "bedside teaching" course in the first year of medical school. "Students wanted and still want an early exposure to 'real life' situations," he says. In addition, Stony Brook's medical curriculum was initially compressed into three years, and there wasn't enough time to teach students history taking and physical diagnosis in the traditional time allotment at the end of the second year.

"Beyond this, the early introduction of these activities emphasizes how basic they are to the medical profession, and how important it is to keep re-thinking and re-learning them as the student's database of facts and theory grows with each passing year," Rezak notes.

The course has proven popular among students and has always been favorably regarded by directors of internship and residency training programs.

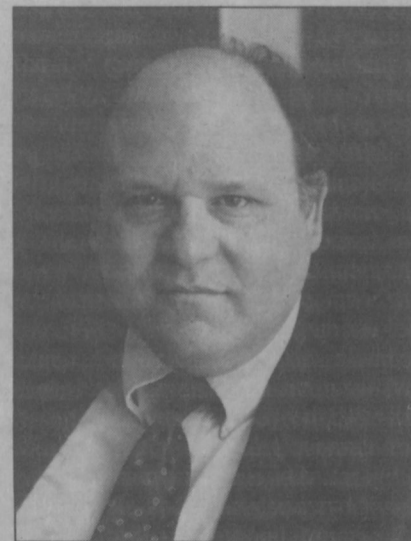
"The directors of these programs have found our students well trained in personal relations and in the ability to address patients at the bedside," he says.

He also finds it interesting that medical education has come almost full circle. "Stony Brook was founded on the belief that caring attitudes of physicians were just as important as service at the laboratory bench," he says. "Today, patients and society have come more generally to value these attitudes."

Medical School Dean Jordan Cohen says the course has placed Stony Brook in a "pioneering position" among U.S. medical schools in introducing direct patient contact early in the curriculum. The course uses seven clinical sites across Long Island, seven site directors and over 75 instructors, most of whom are members of the school's voluntary faculty.

"It is a tribute to Ira Rezak's charismatic enthusiasm and boundless energy that this course has functioned at all, let alone succeeded in the spectacular fashion it has," Cohen says. "The medical school and the more than 1,000 young physicians who had their first taste of 'doctoring' in this course will be forever in his debt."

Rezak is succeeded as director of the course by Dr. Nancy Levine, clinical assistant professor of family medicine, and Dr. Lawrence Smith, associate professor of medicine. — *Alpine*



Dr. Ira Rezak

Back to Iraq:

Archaeologist Elizabeth Stone visits the sites

A medical mission gave this researcher the chance to offer help to some very sick children and also check key archaeological sites for war damage.

By Gila Reinstein

On the first anniversary of the outbreak of war in the Persian Gulf, Stony Brook anthropologist Elizabeth Stone was in Iraq on a humanitarian mission. Her trip, January 11-21, was sponsored by the American organization, Medicine for Peace, and an international peace group, the Fellowship for Reconciliation. She went with an entourage including Stony Brook's Dr. Michael Viola, professor of medicine; a second physician from New Jersey, a pharmacist, and an ABC news team.

The official goal: to bring out Iraqi children in need of medical care and place them in American hospitals.

The second agenda: to check archaeological digs around Iraq for war damage and looting. Stone and her husband, Paul Zimansky, were among the first archaeologists to return to Iraq after the war and subsequent rebellion.

Before fighting broke out, Stone and Zimansky had worked extensively at a site they identified as Mashkan Shapir, a 4,000-year-old city mentioned in the Code of Hammurabi and known to have been a major urban center in ancient Mesopotamia.

Stone says, "The good thing is, we had completed all the surface work" on the site, a remote desert location between the Tigris and Euphrates rivers, south of Baghdad. The entire city was surveyed, mapped and photographed from the air — both by orbiting satellite and by cameras suspended from a kite — on previous visits.

One of the exciting aspects of Mashkan Shapir to a researcher is that after the city was abandoned, it remained untouched. Most ancient cities were built layer upon layer, and must be exposed cautiously when excavated, to keep the different eras separated. Here the original layout is intact: canals and harbor, city walls and neighborhoods lie immediately beneath the surface, waiting to see the light.

"We need to do excavations in certain areas to test the validity of conclusions drawn, based on surface remains alone." These preliminary excavations will help determine where to concentrate the digging during future expeditions, Stone says, but all that will have to wait until conditions in Iraq improve.

"The director general of antiquities wrote to us and invited us to dig any time we want, but my inclination for now is to do what we can from here. There are so many difficulties with reopening the dig in Iraq now," she says, citing U.S. government restrictions on travel to the area, local shortages of food and supplies, runaway inflation, rising crime, and problems with exchanging currency.

What if it takes years before she can get back to the dig to continue where she left off? Would she consider starting elsewhere? Stone says, probably not: "I'm very reluctant to give up." Meanwhile, "We have enough work to do to keep us busy for three years, with what we brought out before the war."

On this recent trip, they could only approach within six



Members of the Medicine for Peace expedition examine a bomb crater near the ziggurat at Ur, pictured in the background.

kilometers of Mashkan Shapir. The access road was interrupted by a newly dug irrigation canal, part of Iraq's attempt to cultivate the desert to provide food in the face of the international trade embargo.

"The food shortage is desperate. When a country is in crisis, antiquities get pushed to the background." Stone calls what's happening, "a casualty of the war and the embargo. The need for food is so desperate, they are cultivating every open spot." The director of antiquities assured her that he would negotiate with the minister of agriculture to keep the archaeological site from being tilled for planting.

And, fortunately, the caretaker at Mashkan Shapir was able to assure them that the dig, thus far, has not been harmed by the military and political upheavals.

Stone inspected other archaeological sites on behalf of colleagues around the world. One was the British dig at Ur, birthplace of the Biblical Abraham and famous for its ziggurat — a pyramidal temple tower with outside staircases leading to a shrine at the apex.

This area was hit by allied bombs during the war, and Stone said that there were four large bomb craters — one only about 15 feet from the ziggurat. The ziggurat was hit repeatedly by bullets and had 50 to 100 bricks in the outer wall damaged by strafing.

The site was originally excavated in the 1930s, Stone says. "Of all the sites, it's the one we were most concerned about," because the Iraqis had built an air force base nearby. Since the 1950s, when the base was constructed, visitors have been restricted and photography prohibited. On this trip, the group was allowed into Ur with their cameras and even climbed the ziggurat.

Stone thinks that the long-term effects of the embargo may produce more suffering and death than the war itself or the rebellion which followed. People in Iraq told her, "If this continues for another year, we'll all starve."

"People are no less afraid to talk than they were before, but they're so upset that they can't hold back." Inflation is out of control. Stone reports that the average salary for a government worker in Baghdad is about 250 dinars a month. It costs about 25 dinars to buy one chicken. Prices are 20 to 60 times what they were two years ago.



Elizabeth Stone in her office at Stony Brook.

Crime is on the increase. Driven by the need to feed their families, many have turned to robbery. At the British school in Baghdad, where visiting archaeologists frequently stayed overnight before the war, the back door was never locked. Now, the cook — 80 years old — sleeps in the garage every night to prevent vehicles from being stolen. Archaeological excavations in the countryside have been looted. "There's real desperation there now. The poor are suffering, and even the middle class are afraid," Stone says. "They see no way out."

People told her the embargo has strengthened Saddam's position and hurt the average citizen. The military is getting stronger and richer, they say, at the expense of the civilian population.

Meanwhile, the sick children cannot wait. The January Medicine for Peace mission arranged for the transport of four Iraqi children, who arrived in the U.S. on February 8, accompanied by University Hospital's Yoshiko Takeshita, nurse practitioner, and a pediatrician from Detroit. One girl, Sarah, 5 years old, was brought to University Hospital for open heart surgery. After repair of a structural defect, she will recover for a few weeks at the home of the Viola family. The other children were taken to different hospitals for medical treatment.

Viola and the Medicine for Peace organization plans to continue bringing children to the U.S. for medical treatment, as long as there is a need.

Inside Story

Three USB researchers explore the challenges women face when choosing a career in science.

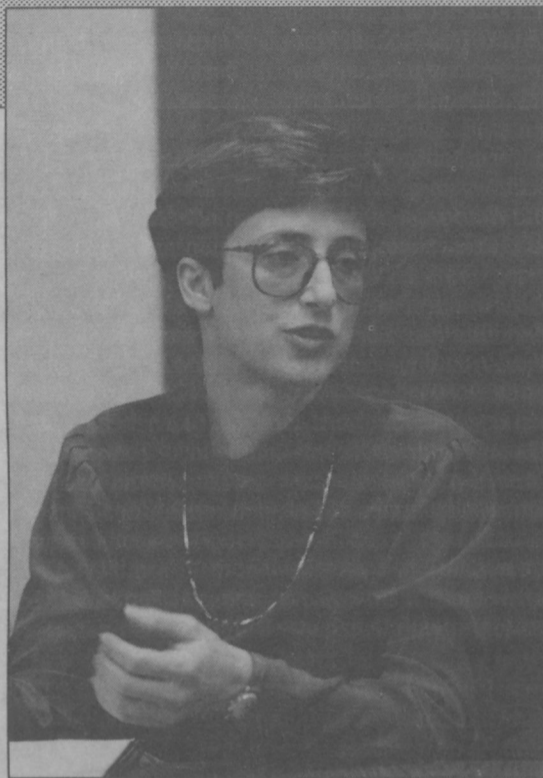
Female oceanographers recall that 20 years ago, women were not permitted on voyages aboard oceanographic research vessels. Last year, only six out of 60 American scientists elected to the National Academy of Sciences were women. And a recent study by sociologists at the University of Colorado concluded that female undergraduates who drop out of science are as capable as their male counterparts — but are more easily discouraged and feel less secure in their abilities than men do.

Three Stony Brook researchers met to share with *Currents* their experiences as women in science. They discussed the opportunities and obstacles, as well as what the future holds for young women entering science, mathematics and engineering.

Chemical oceanographer *Cindy Lee* is a professor at Stony Brook's Marine Sciences Research Center. She heads the National Science Foundation's 12-member Advisory Committee on Ocean Sciences Division. Among other issues, the committee is charged with attracting faculty from underrepresented groups to the ocean sciences. *Lee* has been at Stony Brook for five years and holds a doctorate from the University of California at San Diego/Scripps Institution for Oceanography.

Anne Preston is an assistant professor at the W. Averell Harriman School for Management and Policy. She studies the career paths of scientists and engineers, and is exploring entrance/exit rates for males and females in science and engineering. *Preston*, who has been at Stony Brook for six years, obtained a Ph.D. in economics from Harvard.

Professor of Psychology *Camille Wortman* directs the Department of Psychology's social/health graduate training program. Her primary research interests are how people cope with stress and with loss. *Wortman*, who joined the Stony Brook faculty in 1990, holds a Ph.D. in social psychology from Duke University.



Psychologist Camille Wortman

PHOTOS BY MAXINE HICKS

CURRENTS: How do the educational experiences of young women planning careers in science and math differ from those of their male counterparts, from the early years through the postdoctoral level?

CINDY LEE: I think confidence is a big factor in how well students learn and whether they excel. In a lot of cases men aren't that self-confident, but they've been taught to hide their lack of confidence better than women.

CAMILLE WORTMAN: One of the problems that I've noted, at least in academia, is that many women have what I'd call an over-developed sense of empathy. By that I mean that they are seemingly incapable of looking after their own self-interests in the early years of their job. So they will agree to advise every student who comes by with a project, where a male colleague will just turn the students away. And I think this comes from a real absence of mentoring.

Men have had the opportunity to work with other men to learn the ropes, whereas women haven't had that same kind of opportunity because of the absence of women in the sciences. They haven't had that 'old girls' network that says, 'This is what you're supposed to do; this is what you're not supposed to do.'

When I was an assistant professor at Northwestern University, I was putting my heart and soul into teaching. A male colleague came across the hall one day. He said, "It's really noisy in this hall and I wish you wouldn't have so many students around. And furthermore, you don't have to worry about your teaching; forget your teaching ratings, they don't count for anything." He tried to teach me the ropes: what was and wasn't important.

I sat on the review committee for tenure at another university before I came here. I was the token woman on the committee. One thing that was very painful for me was that it was almost impossible to make the case for certain women to get tenure, because they had done all the wrong things. They hadn't gotten the research done; they hadn't gotten the grants or the publications; they were supervising too many undergraduates and serving on 16 doctoral committees, and they were doing all kinds of service for the department. And I couldn't argue for them. The men said, "They haven't done anything." I said, "Well, they've done something. They just haven't done the 'right' things."

CURRENTS: Is there a difference between women and men regarding their likelihood of staying in science?

ANNE PRESTON: There's definitely some self-selection going on. In my work I'm looking at women who already have jobs; they've finished the education process. Even though these particular women are already less likely to be married and have small children — they're clearly career-driven — I see that exit rates in the sciences for women are twice the exit rates for men. In my study, over a seven-year period, the probability of women leaving their occupations is 20 percent.

LEE: I was at the Woods Hole Oceanographic Institution for a long time. We had a committee which met to try to decide the reasons for the large attrition of women students there. This was a committee of mostly women and a few men, and we approached the issue from all different directions. We spent months dredging up all the horror stories: walking into your mechanical engineering class and being the only girl there. Sitting down and having all the seats fill up except the ones around you, because a guy didn't want to come and sit next to you.

We also interviewed a lot of the women who had left. And what we came up with was that women have more options. They're allowed to fail, so to speak, more than men are. The women who left were not unhappy — they were going to do something they preferred doing. The men were much more narrow in what they should be doing and why. Their egos were more tied up in success than the women's.

But we wanted to make sure there was no discrimination and that the option was open to remain at the institution — that the women weren't perceiving problems based on gender.

WORTMAN: There may not have been discrimination at work in that case, but I think we have to keep in mind what's going on at home. For the past several years I've been involved in a study supported by the National Science Foundation, to look at men and women academics. We restricted our sample to people who are married to a spouse who's also a professional, who work full-time and have children under the age of 6. As far as I know, this longitudinal study is one of the first to look at men and women who are equal in career status in academia and management. We were very disappointed and surprised to find that there was not nearly as much sharing of responsibilities at home as we hoped.

PRESTON: I'm also doing a survey of men and women who've graduated in the sciences from Stony Brook, with a bachelor's degree, master's or Ph.D. I'm asking the same sorts of questions about household chores and taking care of children. I think men can take on a not-insignificant portion of the tasks. But it's the getting-things-organized that causes the stress that women feel.

LEE: I think women have, in general, always organized the homelife, so when they also take on that role on the job it's doubly stressful.

CURRENTS: Is there a so-called "glass ceiling" for women in science?

PRESTON: I think so. In economics, which is my profession, there are very few tenured female professors at the top 10 schools — a handful at most.

I know a prominent male economist who's on a search committee at one of those prestigious schools. He told me the committee really wanted to hire a female tenured professor, and he really had the best intentions. But he said, "You know, we're looking really hard for a female candi-



Organic chemist Cindy Lee

"...from an early age, women are not taught that they can answer important questions of the world or seek knowledge in a chosen discipline. Maybe that's something cultural, something that comes out of reading history books where all the great inventors and all the doers of great things are men. Maybe women aren't brought up to think they can ask questions that lead to knowledge. But if you don't, and if you're not driven to answer them, you'll never become a scientist."

— Cindy Lee

date, but as soon as women have children their productivity goes right down. We can't hire them."

LEE: And that's so untrue. A study done a few years ago, published in *Science*, showed there's no difference in productivity between women with children and women without. It showed, in fact, that when women are about to have the kid, they work like crazy to get everything done. Only in the few months surrounding the actual birth of the child did productivity fall, and then it rose again.

The study also showed that productivity after having children was slightly higher. That was attributed to the idea that women with children learned to organize their time more efficiently. It is a myth that a woman's productivity falls when she has a child, and we really should get rid of that perception.

PRESTON: Do you think the self-selection process makes it such that women are not attracted to types of jobs in science that would really interfere with family — jobs that involve a lot of traveling, or working a great deal in the lab?

LEE: I think women have problems going into fields like chemistry or physics because of the type of image associated with female scientists. People you meet are turned off or intimidated by what you do; it makes it difficult to connect with people in social situations. A lot of my friends say the same thing. They'll tell people they 'teach school' — anything — rather than tell people they're a physicist!

It's an image problem. Rather than say I'm an organic chemist, I'll usually say I'm an oceanographer. It sounds less threatening.

PRESTON: Many people have claimed that the reason you have a lot of women in biology, psychology and medical sciences has to do with the math requirements of the different fields; they say chemistry and physics have much more rigorous math requirements. And I wonder if these beliefs are responsible for a lot of the weeding-out that goes on at the introductory level.

I wanted to be a math major when I went to Princeton. They have a very theoretical math department, with five or six math majors a year. Their whole idea was to weed out as many people as they could and get the cream of the crop to be their math majors. They had a graduate student teaching the introductory math theory course. He didn't have office hours, and basically he just discouraged all of us from continuing. Four or five stuck it out, and they were all men.

I've heard a lot of stories like this, about the very strong weeding-out process in all the sciences. The men tend to be the ones who can deal with the discouragement and pursue the discipline. The women think, "Well, I guess I'll go someplace else."

LEE: I think that maybe, from an early age, women are not taught that they can answer important questions of the world or seek knowledge in a chosen discipline. Maybe that's something cultural, something that comes out of reading history books where all the great inventors and all the doers of great things are men. Maybe women aren't brought up to think they can ask those kinds of questions that lead to knowledge. But if you don't, and if you're not driven to answer them, you'll never become a scientist.

CURRENTS: Is there some way we can socialize girls and young women so they will feel that becoming a scientist is a viable option for them?

WORTMAN: Right now there are some psychologists trying to develop interventions geared toward women entering the sciences, so that they can support one another and understand the reasons why women leave science. Hopefully they'll be less likely to leave. We can't just assume that the women are going to stay without something being done.

LEE: I agree with that, but I think the opposite also should be done. Men should know that it's okay for them to leave science if they really want to, just as women should know it's okay for them to stay. There are programs that allow time off for men with new babies, but men don't take advantage of them because they know everybody around them will raise their eyebrows and say, 'Joe took off for three months to have a kid.'

Women are also afraid to take family time off. One of my former students just had her second set of twins. She was back in her office three weeks later.

CURRENTS: What is the overall picture now for women in science? Has it improved? What can we do to make it better?

WORTMAN: In psychology things have improved. We have a lot of good women applicants and there are a lot of



Management/
policy
researcher
Anne Preston

successful women in the field. In my first year as an assistant professor, there were two women in the whole department, hired that year. It's better now. In our social/health psychology program, the last graduate class we admitted had seven women and one man. We took the best applicants, and most of them were women.

LEE: When I entered graduate school in 1970, women were not allowed on oceanographic research vessels. Even when I finished graduate school, women were not allowed to ride ships down to the Antarctic, so you couldn't do any polar research. That has all changed. And now my department — Stony Brook's Marine Sciences Research Center — has the highest percentage of women of any marine sciences department in the country. I feel totally normal going to work; I go to meetings and there are women around the table. In other places it hasn't been that way, but it's getting better.

PRESTON: In economics I don't think it's changed too much. You still find a lot of departments that have one woman, or no women. It's very unusual to have several colleagues who are women.

When women started entering economics, there were certain "pockets" they tended to gravitate to. I'm in one of them, labor economics. Now you're starting to see women go into some of the other subdisciplines that were not as welcoming, but it's still happening pretty slowly.

Engineering Welcomes Women to its Ranks

"Women realize that, like everything else, if you put in the effort, you can be successful... it is not a gender issue. If you're interested in engineering, go for it."

— Wendy Tang

By Carole Volkman

In the materials science and engineering laboratory, Abha Singh is working on fundamental problems that relate to the behavior of copper-gold, a model system for high temperature structural materials used in space aircraft.

Singh's work, which will lead to a doctorate in June, is an outgrowth of a fascination with science that developed while she was growing up in India. But her interest often turned into a problem when she found she was the only girl in a science class packed with boys.

"In India it was unusual for girls to become scientists and engineers," says Singh. "In America, it's not unusual at all."

In fact, women's representation in engineering has risen dramatically over the last 30 years, according to Catalyst, a nonprofit organization founded by Stony Brook Foundation Board member Felice Schwartz and dedicated to providing research, advice and communication for women in business. In 1960, four percent of the bachelor's, master's and doctoral degrees in engineering were awarded to women, nationwide; in 1990, women earned 15.4 percent of the bachelor's degrees, 14.3 percent of the master's degrees, and 9.1 percent of the doctorates.

According to Ray Maniuszko, Stony Brook's director of institutional studies, the six departments in the School of Engineering — applied mathematics and statistics, computer science, electrical engineering, materials science and engineering, mechanical engineering, and technology and society — reflect a similar pattern of change. In 1980-81, 21 percent of the engineering bachelor's degrees, 19 percent of the master's degrees and seven percent of the doctorates were awarded to women at Stony Brook.

Ten years later, 1990-91 figures show women earning the same percentage of bachelor's degrees in engineering, along with a rise in advanced degrees: 31 percent of the master's and 16 percent of the doctorates went to women. Currently, 16 percent of the undergraduates and 24 percent of the graduate students in the College of Engineering are women.

Why are women pursuing a field once dominated by men? Women students say they are interested in the sub-



Jennifer Cabble, senior electrical engineering major

ject, capable, determined to succeed, and share the attitude that nowadays, frankly, they can do anything they want.

"In high school I did very well in science and math, and I liked it," says Jennifer Cabble, a senior in electrical engineering. Cabble, whose father is an engineer, is the youngest of five children. Her siblings include two nurses, a dental hygienist and an attorney. "I wanted to do something different," she says.

"In years past, the son got an erector set and the daughters got dolls," says Joseph S. Hogan, associate dean at the College of Engineering. "That is no longer true."

According to Alan Tucker, director of undergraduate studies at the Department of Applied Mathematics and Statistics, women often shun the uncertainty of pure sciences in favor of the more pragmatic applied mathematics and engineering courses.

"Women are coming in with interesting career interests



Abha Singh, doctoral candidate in materials science and engineering

to a greater extent than ever before, and the women are outstanding," says Edith Steinfeld, co-director of the university's C-STEP (College Science and Technology Entry Program) office. And the fact that companies are often actively seeking women to round out their workforce makes the field an attractive one.

One of the popular graduate engineering courses for women is the master's degree in technical systems management offered by the Department of Technology and Society. Over a third of its 100 students are female, and they have a choice of concentrations in industrial management, environmental waste management and educational computing.

"Women who decide on engineering careers do very well because they are dedicated," says Hogan.

Alex King, professor of materials science, heads a graduate research group composed of five graduate students, four of whom are women. "Of all the engineering disciplines, materials science is most friendly," says King, who says the discipline offers a small community that provides a wide range of opportunities.

"The stereotype that women cannot do as well as men is just not convincing," says Wendy Tang, assistant professor in the Department of Electrical Engineering and one of five women faculty members in the School of Engineering. "Women realize that, like everything else, if you put in the effort, you can be successful. One of the important things to realize is that it is not a gender issue. If you're interested in engineering, go for it. Don't fall for the stereotype that a woman can't do it."

Sisters Follow Father's Footsteps

Loralie and Bonnie Smart are sisters with a common bond. They not only look alike and share the same clothes, but their career interests have turned out to be identical: Loralie graduated from Stony Brook last year with a major in electrical engineering, and Bonnie will graduate this year with the same degree.

"Our father is an engineer, and he expected us to follow in his footsteps," says Loralie, who is 14 months older than her sister.

"We were never babied at home," says Bonnie. "We chopped wood, shoveled snow. We were never treated differently because we were girls."

Loralie, now working in the power supply group at the Alternating Gradient Synchrotron department of Brookhaven National Laboratory — part of a two-year training program — says she became interested in electrical engineering because of the digital clock in her bedroom. "I was always fascinated by how the numbers changed," she says, "and when we studied Ohms' Law in high school, my interest was piqued."

Bonnie, who credits her sister with paving the way for

her interest in the field, says she's been drawn to electrical engineering for as long as she can remember. "There's always something going on that's interesting to learn."

Currently, Bonnie is working on her senior project, a portable epilepsy monitor that will record pre-seizure brain activity. Working with her partner, Jennifer Cabble, Bonnie expects the project to give her experience in two specialties, biomedical as well as computer engineering.

Have the sisters run into any gender-related obstacles along the way? No, says Loralie, who served as president of Eta Kappa Nu, the electrical engineering honor society and as an officer of the campus chapter of the Institute of Electrical and Electronics Engineers. "If you do well, you know you'll be recognized for it, and it's not because you're a female."

Bonnie, who serves as vice president of the same organizations, offers her mother's time-worn suggestions for any woman pursuing a challenging career: Do the best you can and know you've tried.

"If you feel you've done the best," their mother would say, "I am happy with that."



In the foreground, electrical engineering student Bonnie Smart, with her sister, Loralie (Class of 1991), who also majored in electrical engineering.

Research Roundup

From preservation of Costa Rica's tropical forests to shoring up the human body's defenses against the HIV virus, Stony Brook scientists are seeking answers to increasingly pressing questions. *Currents* presents a sampling of work by university researchers.

JEANNETTE YEN

Watching every bite they take: oceanographer examines smart "fish food."

What moves faster than a cheetah, hibernates like a bear and is much smarter than people think?

The answer is zooplankton, tiny animals that form a vital link in the aquatic food chain. Stony Brook oceanographer Jeannette Yen has made videotapes of these creatures she affectionately calls "fish food." The tapes are helping her disprove the commonly held notion that zooplankton are helpless specks, wafted along by the current until they become prey for bigger animals. (Even their name comes from the Greek word "planktos," meaning "wanderer.")

Yen, an assistant professor at the university's Marine Sciences Research Center, estimates that she's one of only a handful of scientists in the country who use videotapes of zooplankton to study their behavior—or who even think zooplankton have behavior significant enough to study. "I began my work looking at predator-prey interactions," says Yen, "something people usually associate with bigger animals like lions and tigers."

But copepods — shrimp-like zooplankton that range from the size of a pinhead to half-an-inch long — are also able to lunge for their food, escape their attackers and attract mates. "They're not mindless," Yen says. The animals create their own current, she's found, by flapping their feathered appendages. "I'm studying how that process works," she continues, "as it brings food to the zooplankton and moves them through the water."

And they can really move. Yen estimates that the humble zooplankton can actually move faster than a running cheetah. "Some types of zooplankton, such as the copepod *Euchaeta*, move at 14 centimeters per second when they jump at their food," she says, "That means it leaps at 60 body lengths per second, while a cheetah runs

at 60 miles per hour or 14 body lengths per second. In relative terms, my *Euchaeta* leaps four times faster than the cheetah."

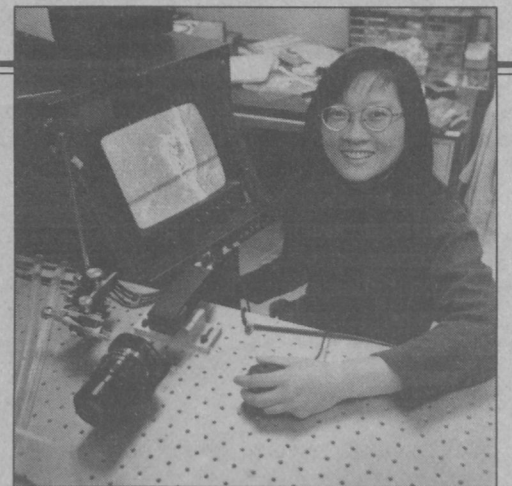
Yen is also studying how the animals find each other. "They don't have well-developed eyes," she explains. "The zooplankton either smell each other's trails or feel each other's vibrations." She is trying to determine how they sense each other's movements through water. "It's like a person splashing," she says. "Even if you couldn't see them, you could still hear them and feel vibrations from the splashing."

Yen is testing her theory that some copepods even hibernate during the winter, in a way similar to bears. It grew out of her work with the Antarctic copepod, a crustacean that at a half-inch long is the largest zooplankton. Yen had been studying how these animals adapt to polar extremes in light, temperature and food availability.

"I wondered why this copepod was so big," Yen says. "Then I thought about how bears eat a lot in summer and accumulate fats, then sleep during the winter." While copepods don't actually sleep during winter, she points out, they do sink down in the water column and lower their metabolism. And when there's lots of light and food, they eat a great deal and get fat.

"Mother bears have their young while they're still hibernating," she continues. "Copepods also reproduce during the dark winter months."

Yen gets much of her data from the videotapes, which give a closer look at zooplankton behavior than traditional methods. "I used to gather zooplankton in a jar, then wait till the next day to see which ones got eaten," she recalls. "But I could never see the actual eating going on." Now, using techniques she learned from researcher Rudi Strickler



at the University of Wisconsin at Milwaukee, she uses video cameras to photograph zooplankton backlit by laser lights. The videos allow her to magnify the animals (a zooplankton the size of a sand grain becomes as big as a tangerine), slow the action down or freeze it. The technique works even better than a microscope, she reports, "because the zooplankton are so fast. It takes them less than a second to attack their food. Even with a microscope, it's really hard to see something so small moving so fast." With video, "I can slow it down and watch every bite they take."

She gets her samples by walking along a pier and dragging a net by hand through the water, usually at Stony Brook Harbor (though she's worked everywhere from the lochs of Scotland to Seattle's Puget Sound.) "I like to do that in the morning, before I teach my undergraduate classes," she relates. "I say to my students, 'Here's a little something I just got this morning from the harbor.' And they get excited and say, 'Oh, so that's what's out there!'"

—Risoli

CAROL CARTER

Searching for chinks in the armor of the HIV virus

The deadly HIV virus makes its unrelenting way from cell to cell of an infected person, wrapped in a "coat" of protein that protects it from the body's efforts to fight back. But the intruder may have a chink in its armor — a weakness microbiologist Carol Carter is hoping to find.

Carter directs a group of eight researchers that study the AIDS virus. Specifically, they examine how HIV produces one very long string of protein, called a polyprotein. This polyprotein includes an enzyme that cuts the string into shorter pieces. These short proteins then combine to form an outer covering that protects the viral genes, and helps the virus attach to the cells it wants to infect. But the coat only forms if the polyprotein is cut; if it isn't, the proteins remain locked together in the uncut version, and the virus is helpless.

"We are pursuing three lines of study," Carter explains. "We are trying to find out what activates the polyprotein cutting enzyme, and looking at the actual cutting process. And we are studying how the proteins are assembled into the coat, to see if we can target the coat itself as a way of fighting HIV."

Carter and colleagues have already manufactured the coat-making protein in the laboratory, and are determining its exact atomic structure with crystallographer Michael Rossmann of Purdue University. They are trying to pinpoint which regions of the coat are responsible for its overall assembly and which tell it to release viral genes in the healthy cells it takes over.

Scientists could then sabotage the virus, Carter says, "by making a gene that forms the coat and attaches to other cells, but is encoded to be defective for another part of the process." The altered gene could be placed into cells removed from an AIDS patient, then reinserted via bone marrow transplant. The result, she says, would be a crippled virus that can't function properly when it tries to infect a cell.

Carter labels this approach "a perfect example of rational drug design. Our hope is that this work will lead to drugs that target just the virus, without side effects that are harmful to the patient."

Though Carter has always studied viral replication, she says there is a "special urgency" to working with the AIDS virus. "When you work at a very basic level of science,



there are many steps between whatever you do and some fruition," she explains. "But in this case, the individuals in the lab feel acutely the need to press to see what quick progress we can make. Whenever we talk about what approaches we're going to take, we do it in the context of how this might relate to something clinically important."

Carter, an associate professor, also collaborates with Stony Brook microbiology Chairman Eckard Wimmer. Her work is supported by several grants from the National Institutes of Health totalling \$265,000 per year, and by a grant of \$32,000 from The Olympus Corporation.

—Risoli

DR. CRISTINA LESKE

Searching the globe for the risk factors of eye diseases

Dr. Cristina Leske describes her national and international eye disease research as "detective work."

"It's always a challenge," says the chair of the School of Medicine's Department of Preventive Medicine.

Leske has received major awards totalling over \$7 million from the National Eye Institute for her epidemiologic and clinical research.

In a study in Barbados, she is investigating the prevalence and risk factors associated with glaucoma and other eye diseases in more than 4,500 Barbadians. Glaucoma blindness in blacks is eight times higher than in whites, and no one knows why, she says. This is the first time anyone has ever examined the prevalence of glaucoma and other eye diseases in blacks in such a large population.

Another study, which includes patients with lense opacities, is a follow-up to a previous large study in which she found that vitamins in supplements and food may help decrease the risk of cataracts, the most common cause of blindness worldwide.

Leske is also involved in a collaborative Italian-American case-control study of the risk factors for cataracts in older people and in a collaborative Israel-U.S. case-con-

trol study of risk factors for glaucoma and ocular hypertension. Other eye disease studies have taken her to India and other countries.

Born in Chile, Leske grew up around science and international affairs: her father was an international health physician; her mother was a chemist. Her aunts and uncles were also in international affairs.

She received a medical degree from the University of Chile Medical School in 1964, and a master of public health degree from the Harvard School of Public Health. It was at Harvard University, while doing a residency in preventive medicine, that she met her husband, Gary, a professor in Stony Brook's School of Dental Medicine.

Leske took some time during her residency training to raise her three sons, now aged 23 and twins who are 22. She attributes being able to advance her career to a supportive family and to her co-workers in the Department of Preventive Medicine.

Asked about discrimination as she climbed the career ladder to become the only female department chair in Stony Brook's School of Medicine, Leske says, "I can't say I ever felt a pattern of discrimination."

—Alpine



PHOTOS BY MAXINE WICKS

NANCY MENDELL

Crunching numbers: biostatistician plots curves across disciplines

Nancy Mendell, associate professor of applied mathematics and statistics, describes herself as a "generalist." Her work crosses many disciplines, and she is equally comfortable with research on theoretical statistics as with such practical problems as studies of alcohol's effects on cholesterol levels, the importance of support groups for kidney dialysis patients' survival, the connection between abnormal eye movement and schizophrenia, and the statistical models for political choice. Most of her work has involved genetics — including genetic linkage estimates for human gene mapping — but she has also collaborated on research involving immunology and epidemiology, psychology and political science.

One project that enjoyed media attention recently was the paper, "Sex Differences in High Density Lipoprotein Cholesterol Among Low-Level Alcohol Consumers," written in collaboration with Gerdi Weidner, associate professor of psychology, and others. This study established that a small amount of alcohol — as little as one drink a day or less — is associated with better HDL levels for women, but not for men.

Another recent project, coauthored by Stephen Finch, associate professor of applied mathematics and statistics, and Henry Thode, a scientist at Brookhaven National Laboratory, involves the "normal mixture problem." Ac-

ording to Mendell, "every distribution will fit two curves better than one. We're developing a statistical procedure to establish that this doesn't happen by chance, that [any given] data set was sampled from two populations. Our most recent paper, published in *Biometrics*, deals with what size samples you need to be able to detect this heterogeneity." And, in February, a second paper on the topic was sent to *Biometrics* comparing methods for detecting heterogeneity.

Mendell came to Stony Brook in 1980 from Duke University's Medical School, where she was on the faculty of the Division of Immunology. She pursued research in cleft palate, histocompatibility, allergies, and transplantation — she was the biostatistical "gun for hire," she recalls.

At Stony Brook, her first year's appointment was in the Department of Preventive Medicine. Now, in addition to her own research and teaching, she works as a consultant for other faculty members on both sides of the campus.

Biostatistics is hospitable to women, she has found. "The number of women in the field is not overwhelming, but neither are they invisible." When she was studying for her master's degree at the Harvard School for Public Health, women represented about one-third of the class. Her doctoral program at University of North Carolina at Chapel Hill had a much smaller percentage of women; at Stony Brook,



she has been dissertation advisor for four female graduate students and one male.

Mendell has balanced an active professional and personal life. Married for almost 25 years to Lorne Mendell, professor and chair of Neurobiology and Behavior, they are raising their two children together. She believes, "You can work out a career in academia and be a woman," and adds, "a supportive husband helps a great deal." Still, there have been times she felt "isolated." Her advice to those starting out: "Don't have a fixed time agenda. You don't know what life has in store for you. Hold out for what you want — but be flexible."

—Reinstein

HANNA NEKVASIL

Decoding volcanic eruption from clues hidden in the magma

Molten rocks can erupt onto the surface of the earth from a volcano — in the form of lava — or become trapped within the earth's crust, where they form igneous rocks such as granite. Hanna Nekvasil studies rocks, specifically the molten rocks called "magmas." Though her research is geared toward furthering our understanding of the earth, it may help predict if a volcanic eruption will be explosive. It may also help locate ore deposits and geologic energy sources.

"My goal is to develop a model to predict the effects of temperature, pressure and composition on the evolutionary path of a magma, from the highest temperature where it is completely molten to the temperature where it solidifies," she says. "Such a model would have applications not only to geological systems, but also to materials science."

Nekvasil, assistant professor in the Department of Earth and Space Sciences since 1988, is the only female faculty member in her department. She attributes that to the fact that geology was more field oriented and tended to exclude women; today, it is more lab oriented and attracts a number of female graduate students.

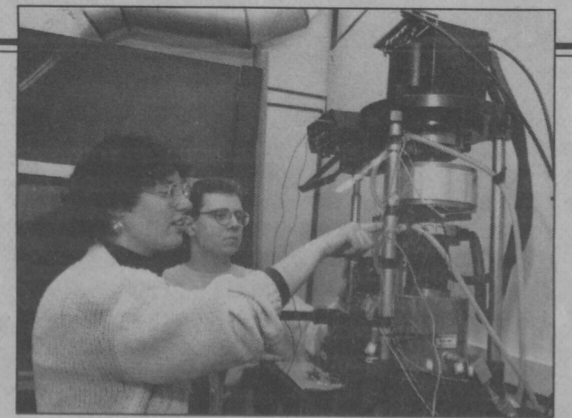
"I believe that strong academic departments should hire

only the most qualified scientists," she says. "In my field, I believe there are very few barriers for women. Both men and women suffer from the scarcity of available academic positions and those positions should be filled through open competition based on qualification, not gender."

She says women are at a disadvantage, however, when it comes to being invited to give talks at other universities. Many such invitations are given on an informal basis to friends and acquaintances. "Women tend to be on the outside of such groups because older scientists are not acquainted with many women scientists, and young male scientists may be threatened by the apparent success of a female scientist," she explains.

Nekvasil sees two major concerns of young women scientists and graduate students. The first from the sacrifices that must be made — most commonly by women — to accommodate two-career couples. Nekvasil says she was lucky because her husband willingly moved to accommodate her career. The other is whether children and a successful scientific career are compatible.

At 33, she is grappling with that question, and the lack of female role models leaves her in a quandary. Unlike other



fields, it is impractical to take a leave of absence in the sciences.

"Science moves so quickly, it would be difficult to catch up," she says. She also questions how seriously she would be viewed by male colleagues and funding agencies if she were to have a family.

Says Nekvasil: "If women are to be encouraged toward academic scientific careers, efforts must be made on the part of universities for easy access to day care and after-school care."

—Alpine

BARBARA BENTLEY

Global warming reflected in the flowers of a lupine

Ecologist Barbara Bentley studies the effect of carbon dioxide on a certain pea plant to deepen our understanding of global warming.

Her recent studies suggest that the lupine will thrive as carbon dioxide increases over the next 25 years. But long-term effects might be different: at higher levels of carbon dioxide, plants do poorly. Bentley, a professor in the Department of Ecology and Evolution, says the lupine is a good model for testing global change, since it is widely believed that increasing carbon dioxide leads to global warming.

These days, Bentley is studying lupines as an agricultural crop. She recently returned from Australia, where lupines are grown as a high protein food supplement and alternative to soybean. Today, on sabbatical at the Bodega Marine Laboratory in Bodega Bay, California, she is studying which insects feed on lupines to determine whether the plant can successfully be grown as a crop in the U.S.

Bentley says she had to overcome several obstacles to pursue her career in science. She was turned down for graduate school at one university in 1964, though her grades were as good as those of male counterparts who

were accepted. More rejection came at graduate school when a professor for whom she wanted to work told her he didn't take women students.

"Conditions for women are improving, however," she says. "Today both of those instances are illegal. But there are still subtle things that go on. Fewer women are asked to present seminars or are recommended for honorific positions and awards. Women tend to receive less recognition."

A study by Jessica Gurevitch, also in the Department of Ecology and Evolution, of the Ecological Society's 1987 annual meeting, found that when women were involved in organizing speakers for a symposium, 23 percent of the speakers chosen were women. If the symposium organizers were all men, only seven percent of the invited speakers were women. Gurevitch says a follow-up study shows that today men are inviting more women than in 1987, but that women are not organizing as many symposia.

Bentley, who has two children, a 19-year-old son and a 10-year-old daughter, says she was considered an "anomaly" when she had her first child. Day care was scarce. Her son, in fact, was a founding baby of the Toscanini Infant Center at Stony Brook.



"People would ask, 'How could you be a mother and do everything?'" she recalls. When she had her daughter, she and her husband agreed to split the responsibilities equally. Today, motherhood is less a topic of conversation at conferences and faculty meetings, she says. In her own department these days, it is not uncommon to see graduate students with children.

—Alpine

JOHANNA STACHEL

On the trail of the elusive quark gluon plasma

"I don't quite understand why so few women go into science," says nuclear physicist Johanna Stachel, associate professor at Stony Brook. "There are not enough scientists, and here is a big potential untapped."

Her own decision to become a physicist was "accidental," she recalls. She originally planned to study psychology, then majored in chemistry in college, but physics is what ultimately attracted her. Stachel, a native of Munich, did her undergraduate studies at the University of Mainz and the E.T.H. (technical university) in Zurich and her graduate work at Mainz and the G.S.I. laboratory in Darmstadt. She came to the U.S. in 1983 on a fellowship from the A.V. Humboldt Foundation, choosing Stony Brook because of new experimental opportunities available at Brookhaven National Laboratory (BNL), and stayed, eventually earning tenure in the Physics Department.

Stachel's work uses the Alternating Gradient Synchrotron accelerator at BNL. "It's rare to have such experimental facilities within half an hour of the university," she says. In Europe, the only place she could have pursued her work was at CERN in Switzerland. At Stony Brook, she can commute back and forth from classroom to lab easily.

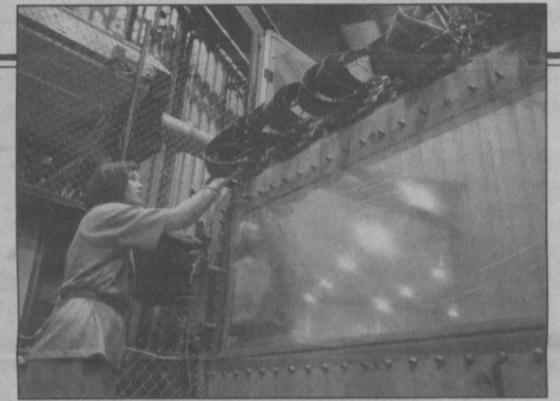
The research involves relativistic heavy ions. During an experimental run, heavy atomic nuclei are accelerated

almost to the speed of light and aimed at a target. After the run, the results are studied carefully to see if there are any deviations from previously known physics using proton beams. "You look for something you have not seen before," Stachel says.

The intention is to find a new state of matter, specifically the quark gluon plasma, which existed very briefly in the early moments after the Big Bang. Although theoreticians have predicted its existence, quark gluon plasma has never been identified in the lab. This experiment involves 10 institutions and about 50 people, including three faculty members, two post doctoral researchers and eight graduate students from Stony Brook. Begun in 1985 with an initial proposal, the project began taking data in late 1988.

"There is no end in sight," Stachel reports. The project is about to enter a new phase. So far, ions up to mass 30, the mass of silicon, have been accelerated. Starting this month, heavier beams than ever before — as heavy as gold — will be shot at targets, hopefully producing the elusive plasma. This phase is expected to continue for several years.

When the new accelerator, the Relativistic Heavy Ion Collider (RHIC), is completed at Brookhaven in 1997, Stachel will be one of the researchers involved in a large



experiment called PHENIX that will bring together over 100 scientists from many different institutions and countries. The search for, and study of, the theoretically predicted quark gluon plasma will continue, with the help of the powerful new tool. Design of the experiments on RHIC is in the works right now.

Stachel finds life as a nuclear physicist "comfortable, if you accept the long working hours. Even without an experiment, I never get home before 8:00 or 9:00 p.m. When we run an experiment, we work around the clock," she says. That's the chief reason why she decided that she "couldn't fit in children." Fortunately, one of her research partners is her husband, Professor Peter Braun-Munzinger.

—Reinstein

ESTELLE JAMES

Public or private: evaluating responsibility for social services

Economics Professor Estelle James is on leave to the World Bank, where she is developing a research program that will take a look at the public and private division of responsibility for health, education and other social services in developing countries.

"Despite heavy government involvement over the past 40 years, progress has been uneven, and large groups of the population are not served in many countries," says James.

To that end, James will be examining whether social services can be improved by allowing a greater role for the private sector and by adopting market practices in the public sector; what services each of the sectors can best provide; who should deliver the services when the public sector finances them; whether preference should be given to nonprofit organizations, and what effect it all will have on cost and quality.

This research, together with two additional projects — studies of municipal services and social security in countries around the world — are part of James' three-year stint at the World Bank, an organization created by the U.N. to help raise the standard of living in developing countries.

"Research is an immensely satisfying field, because, basically, what you are doing is thinking up a question you'd really like to know the answer to, going out to find the answer...and getting paid for it," says James.

The mother of two grown children, James says she has noticed that women's careers frequently take off once their children are out of school. "This is different from the pattern for men, whose periods of peak productivity are likely to come earlier," she says.

James, a Stony Brook faculty member for 24 years, is considered one of the country's leading researchers in the fields of education, division of public/private responsibility and public finance. During her career at Stony Brook she has received research grants and fellowships from organizations throughout the world, including the Department of Education, Woodrow Wilson International Center for Scholars, National Science Foundation, Netherlands Institute for Advanced Study and National Endowment for the Humanities. During her fellowship from the Secretary of the Navy last year, she conducted research and taught at the U.S. Naval Academy in Annapolis, Maryland.

—Volkman



The Wright Stuff

Primatologist preserves the lemurs of Madagascar

Continued from page 1

education, health care and economics."

Thus began several years of careful negotiations with the elders of 14 villages in the Ranomafana area. Wright's idea was to create, not a traditional wildlife reserve, but a national park. That way, she reasoned, the lemurs could be protected while ecotourism income would ease the villagers' poverty. With the help of Russell Mittermeier, a faculty member in Stony Brook's Department of Anatomical Sciences and president of Wildlife Conservation International, Wright secured funding for the idea and was named international director of the project.

In May of last year, the park became a reality. It offers the Malagasy a package that includes new village schools and other social programs, jobs within the park and funds to support farming. In exchange the Malagasy government has decreed that Ranomafana National Park will consist of 112,000 acres: a third for tourism, a third for research and the rest to remain pristine. The project is supported by several grants; the largest is \$3.3 million from the organization United States Agency for International Development.

It's a long way from Brooklyn to Madagascar. For Wright, a former social worker who left her job when her daughter, Amanda, was born, the journey started with a pet monkey she'd bought. After finding him a mate ("he was very lonely," Wright recalls), Wright let them and their offspring loose at her vacation home in Cape Cod. But she noticed something odd about the new parents.

Except for providing milk, the father handled all other care of the infant. Wright had done a great deal of reading about the habits of her pets, and she knew this style of child-rearing was unusual for primates, "though it seemed like a real neat system to me," she says.

"I developed a theory," she recalls. "I figured it was because these were big babies, half their mothers' body weights. There was no way the mothers could carry them around and produce milk, too, so the fathers were needed to protect the babies from their many predators. There was no other way for them to survive."

Wright was so intrigued that she wanted to test her fledgling theory in the wild. The problem was, she didn't know how. She began writing to every primate researcher she had heard of, asking how to mount a field study.

After a number of politely distant responses, Wright called Warren G. Kinzey, an anthropologist at the City University of New York. "I said to him, 'I'm Pat Wright. I'm a Brooklyn housewife, and I want to study night monkeys in the wild,'" she recalls. Kinzey took her seriously enough to give her some useful advice.

"I asked him everything: how do you take data, how do you observe monkeys, everything you needed to know about working in the field." Kinzey was friendly, but he was also skeptical. No one had ever seen night monkeys in the wild, he told her — least of all a former social worker who dabbled in monkey ownership.

Then Wright had her first turn of wildly improbable good luck. Her brother knew of a wealthy widow who was interested in wildlife. Wright soon found herself explaining the social system of night monkeys to Nancy Mulligan, whose husband had been one of the first investors in Kodak stock. Although Wright had no formal training as a primatologist, Mulligan was more than happy to fund Wright's field plans — if she were affiliated with a university.

Wright hadn't held outside employment in several years but was undaunted. Through a friend, she contacted a dean at the New School for Social Research. Soon after, with New School affiliation and Mulligan's check in hand, Wright found herself on a plane to Peru. She picked the site after reading about night monkeys in books she'd found at the public library.

On that first expedition, Wright was accompanied by her then-husband, three-year-old Amanda, and a native guide. Impatient with the guide, she struck out one night alone.

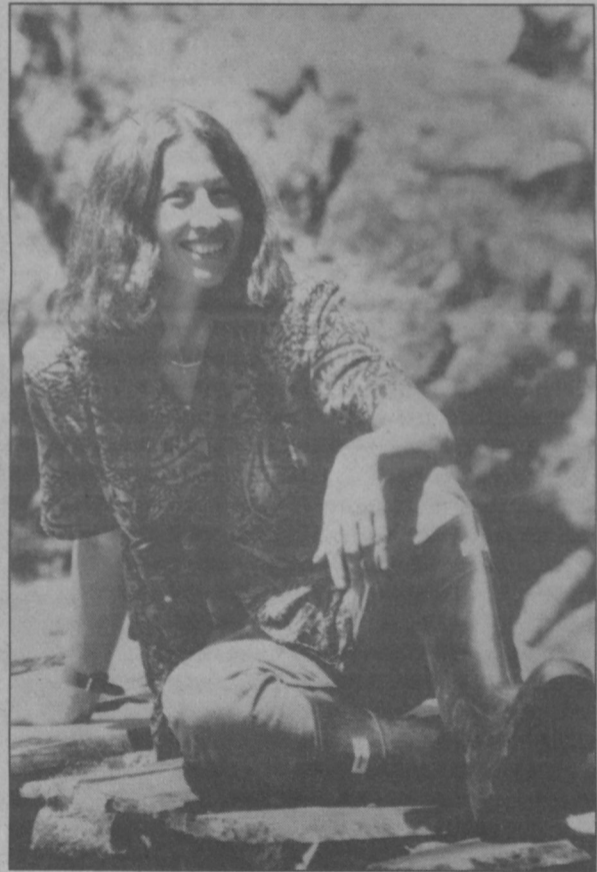
"When it got dark, I panicked," she recalls, laughing now at the memory. "I heard jaguars nearby. When I picked



Propithecus lemur clings to a tree.



Varecia variegata, a black and white lemur in Ranomafana National Park.



Relaxing in the Madagascar sunshine, anthropologist Patricia Wright takes a break from lemur-watching.

up my flashlight, a giant cockroach several inches long ran out from under it."

But she heard the monkeys. She followed their calls until an ominously loud rustling told her that wild boars (she'd read about them, too, at the library) were about to run her down. "I promptly leaped into a tree," Wright confesses. As the sun rose, she looked up — and there were night monkeys in the branches above her, and she could see that her theory about the monkey's infant care arrangement was correct.

Months later, Wright returned to New York with her field data. She called Kinzey, who realized Wright was the first person ever to observe night monkeys in the wild. "He said, 'Hold on, I'll be right there,' and immediately drove all the way from his home in New Jersey to Brooklyn!" Wright chuckles. Publication in a respected European primatology journal followed, and Wright decided to go to graduate school.

Newly single, with little money and no child care options, she took Amanda with her to classes. The pair made their way to the Amazon and on to Madagascar, where Amanda spent her last year of high school ("speaking French, too!" her mother relates proudly). Along the way, she taught Amanda when remote locations made formal schooling difficult. Eventually, Wright earned her Ph.D. in anthropology from City University in 1985, and Amanda became a favorite of the Malagasy villagers. She's now an 18-year-old freshman at Stony Brook.

Of the many serendipitous events in her life, Wright recalls her 1989 MacArthur award as one of the highlights. Deep in the Malagasy forest, she learned of the so-called "genius grant" — a fellowship of \$275,000 a year for five years with no strings attached — days after it was announced to the rest of the world.

"I had a flat tire that day," she recalls. "When I finally got to a phone, I only had enough money for three minutes. They were just about to tell me how much funding I'd gotten when the operator cut me off."

For a researcher, the award meant she'd really arrived. For her parents, it spelled relief. "It was hard on them when I took Amanda off to the Amazon and all these other places," Wright acknowledges. "They were very afraid." After years of hardship, of contracting a tropical disease that almost killed her, of spending months on end in farflung locations, "the MacArthur award made my family feel that it was going to be okay; they didn't have to worry about us anymore."

After a MacArthur and ground-breaking discoveries, what next?

With Joseph Bonaventura, co-director of Duke University's Marine Biomedical Center, Wright is analyzing the blood of lemurs who eat bamboo shoots. "The shoots are very high in cyanide, concentrations that should be toxic to animals and humans. We want to find out how their bodies are processing these concentrations," she says.

And there is the work at Ranomafana National Park, which, Wright says, has "significantly slowed" the destruction of Madagascar. "The people now place a value on this forest which they previously took for granted. I feel we are partners with the Malagasy people in this venture."

The life Wright has lived is not the one she planned. But it's been an adventure all the way.

"People say about the MacArthur grant or whatever, 'You only get these things if you're a member of the old boy network,'" Wright muses. "Well, I come from basic roots and I'm not a boy."

"I didn't graduate from Harvard. I was raised in a farming community in upstate New York, and I went to City University. It just goes to show that you have the potential to do all kinds of things, if you let it out."

"Still," she says, laughing and shaking her head, "I never would have guessed!"

Out of Isolation:

On Becoming a Woman Mathematician

By Dusa McDuff

The following is the text of an address delivered by Dusa McDuff, professor and chair of mathematics, on the occasion of her being awarded the 1991 Ruth Lyttle Satter Prize in Mathematics:

I grew up in a house in which creativity was very much valued but, despite the achievements of the women in the family, males were seen to be more truly creative than females and it has taken me a long time to find my own creative voice. My life as a young mathematician was much harder than it needed to be because I was so isolated. I had no role models, and my first attempts at inventing a life style were not very successful. One important way of combating such isolation is to make both the achievements of women mathematicians and the different ways in which we live more visible.... I'll try to do my part by telling you something of my life.

I grew up in Edinburgh, Scotland, though my family was English. My father was a professor of genetics who travelled all over the world and wrote books on philosophy and art as well as on developmental biology and the uses of technology. My mother was an architect, who was also very talented, but who had to make do with a civil service job since that was the best position which she could find in Edinburgh. Her having a career was very unusual: none of the other families I knew had mothers with professional jobs of any kind.

There were other women on my mother's side of the family who led interesting and productive lives. I identified most with my maternal grandmother since I had her name: Dusa was a nickname given to her by H.G. Wells. She was most notable for creating a great scandal in the London of her time by running away with H.G. (this was before she married my grandfather), but she later wrote books, on Confucianism for example, and was active in left-wing politics. Her mother (my great grandmother) was also distinguished: in 1911 she wrote a book about the working class poor in London which I was pleased to find being used in Stony Brook as a textbook.

In discussing the women in my family I should also mention my sister, who was the first Western anthropologist allowed to go on a field trip to Soviet Central Asia, and is now a Fellow of King's College, Cambridge, with a lectureship at the university.

I went to a girls' school and, although it was inferior to the corresponding boys' school, it fortunately had a wonderful math teacher. I always wanted to be a mathematician (apart from a time when I was eleven when I wanted to be a farmer's wife), and assumed that I would have a career, but I had no idea how to go about it. I didn't realize that the choices which one made about education were important

and I had no idea that I might experience real difficulties and conflicts in reconciling the demands of a career with life as a woman.

When, as a teenager, I became more aware of my femininity, I rebelled into domesticity. I gladly started cooking for my boy-friend; I stayed in Edinburgh as an undergraduate to be with him instead of taking up my scholarship to Cambridge; and when I married I took his name. (My mother had kept her maiden name for professional purposes.) I did eventually go to Cambridge as a graduate student, this time followed by my husband. There I studied functional analysis with G.A. Reid and managed to solve a well-known problem about von Neumann algebras,

constructing infinitely many different II 1-factors. This was published in the Annals of Mathematics, and for a long time was my best work.

After this, I went to Moscow for six months since my husband had to visit the archives there. In Moscow, I had the great fortune to study with I.M. Gel'fand. This was not planned; it happened that his was the only name which came to mind when I had to fill out a form in the Inotdel office. The first thing that Gel'fand told me was that he was much more interested in the fact that my husband was studying the Russian Symbolist poet Innokenty Annensky than that I had found infinitely many II 1-factors, but then he proceeded to open my eyes to the world of mathematics.

It was a wonderful education, in which reading Pushkin's "Mozart and Salieri" played as important a role as learning about Lie groups or reading Cartan and Eilenberg. Gel'fand amazed me by talking of mathematics as though it were poetry. He once said about a long paper bristling with



Dusa McDuff

formulas that it contained the vague beginnings of an idea which he could only hint at and which he had never managed to bring out more clearly. I had always thought of mathematics as being much more straightforward: a formula is a formula, and an algebra is an algebra, but Gel'fand found hedgehogs lurking in the rows of his spectral sequences!

When I came back to Cambridge, I went to Frank Adams' topology lectures, read the classics of algebraic topology, and had a baby. At the time, almost all the colleges in Cambridge were for men only, and there was no provision at all for married students. I was very isolated, with no one to talk to, and found that after so much reading, I had no idea how to begin to do research again.

After my post-doc, I got a job at York University. I was the family breadwinner and housekeeper and diaper changer (my husband said that diapers were too geometric for him to manage). At about this time I started working with Graeme Segal, and essentially wrote a second Ph.D. with him. As this was nearing completion, I received an invitation to spend a year at M.I.T. to fill a visiting slot which they had reserved for a woman.

This was a turning point.

While there I realized how far away I was from being the mathematician I felt that I could be, but also realized that I could do something about it. For the first time, I met some other women whom I could relate to and who also were trying to become mathematicians. I became much less passive. I applied to the Institute for Advanced Study and got in, and even had a mathematical idea again, which grew into a joint paper with Segal on the group-completion theorem. When back home, I separated from my husband

and, a little later, obtained a lectureship at Warwick. After two years at Warwick, I took an (untentured) assistant professorship at Stony Brook, so that I could live closer to Jack Milnor in Princeton. I went to Stony Brook sight unseen. I knew no one there, and have always thought myself extremely lucky to have landed in such a fine department, although very foolhardy to have given up a tentured job for an untentured one.

After that, I had to do the work that everyone has to do to become an independent mathematician, building up on what one knows and following one's ideas. I spent a long time working on the relation between groups of diffeomorphisms and the classifying space for foliations: this grew out of my study of Gel'fand-Fuchs cohomology in Moscow and my work with Segal on classifying spaces of categories. I

still worked very much in isolation and there are only a few people who are interested in what I did, but it was a necessary apprenticeship. I had some ideas, and gained confidence in my technical abilities. Of course, I was influenced by the clarity of Jack Milnor's ideas and approach to mathematics, and was helped by his encouragement. I kept my job in Stony Brook, even though it meant a long commute to Princeton and a weekend relationship, since it was very important to me not to compromise on my job as my mother had done. After several years, I married Jack and had a second child.

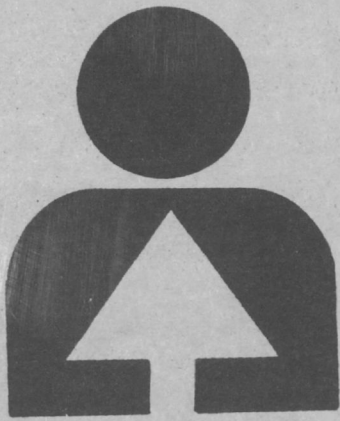
For the past eight years or so, I have worked in symplectic topology. Here again I have been very lucky. Just after I started getting interested in the subject, it was revitalized with new ideas from several sources. Most important to me was Gromov's work on elliptic methods. I took advantage of a sabbatical to spend the spring of 1985 at I.H.E.S. in Paris so that I could learn about Gromov's techniques, and the work I did then has been the foundation of all my recent research. At the time, our child was a few months old, so I worked rather short days, but found it easy to cope since we had enough money to pay for good day care. Eventually he brought the family together. We didn't want to make him commute, and Jack did not like being left with him for the best part of each week. So Jack took a job at Stony Brook, where we are now enjoying life in one house.

In conclusion, I think that there is quite an element of luck in the fact that I have survived as a mathematician. I also got real help from the feminist movement, both emotionally and practically. I think things are somewhat easier now there is at least a little more institutional support of the needs of women and families, and there are more women in mathematics so that one need not be so isolated. But I don't think that all the problems are solved

Dusa McDuff, professor and chair of mathematics, was awarded the first biennial Ruth Lyttle Satter Prize in Mathematics at the 1991 Joint Mathematics Meetings in San Francisco for her work on symplectic geometry. McDuff joined the faculty of Stony Brook in 1978.

'I think that there is quite an element of luck in the fact that I have survived as a mathematician. I also got real help from the feminist movement, both emotionally and practically. I think things are somewhat easier now: there is at least a little more institutional support of the needs of women and families, and there are more women in mathematics so that one need not be so isolated.'

'I went to Stony Brook sight unseen. I knew no one there, and have always thought myself extremely lucky to have landed in such a fine department, although very foolhardy to have given up a tentured job for an untentured one.'



Monday, March 2

Radiation Safety Training for Nursing Personnel, Nursing Orientation, Time and Place T.B.A. (BM). Contact Jodi Strzelczyk, 444-3196.

8:30-10:00 a.m.
The Heartsaver (CPR Lecture for Clinical Assistants), Orientation (SD/QA). Contact JoAnn Schulz, 444-2939.

10:00 a.m.-Noon
CPR Psycho-Motor Skills for Ancillary Personnel, Orientation (SD/QA). Contact JoAnn Schulz, 444-2939.

11:00 a.m.
Right-to-Know Training, Laboratory Office Personnel, HSC L-2, Pathology Conference Room, (EHS). Contact Lori Brickman, 632-6410.

11:45 a.m.-12:45 p.m. Every Mon., Wed., & Fri.
Aerobics, Wellness Program, Small Gym (HR). Contact Cynthia Pedersen, 632-6136.

Noon
Raising Self-Esteem, Wellness Program's Stress Management Series. HSC, L-2, Room 273 (HR). Contact Cynthia Pedersen, 632-6136.

1:00 p.m.
Right-to-Know Training, Nursing Orientation HSC L-2, (EHS). Contact Lori Brickman, 632-6410.

7:00-10:15 p.m.
Fundamentals of Town Zoning, CED Real Estate Continuing Education Modules, Session 1, (CED). Contact Pat Malone, 632-7071.

Tuesday, March 3

7:15-8:15 a.m. Every Tues. and Thurs.
Early Morning Swim, Wellness Program. Gym Pool (HR). Call Cynthia Pedersen, 632-6136.

8:30 a.m.-5:00 p.m.
Survival Skills: Counseling, Disciplining and Labor Management, Leadership Conference. Southampton Hospital, Parrish Memorial Hall. (SD/QA). Contact Jean Mueller, 444-2927.

9:00 a.m.-Noon
Introduction to PageMaker, CED Personal/Business Computer Training Series, Section B-Session 1, (CED). Contact Pat Malone, 632-7071.

9:00 a.m.-4:30 p.m.
Supervising New York State: The Advanced Program, "Teamwork" Module, Session 5 of 5, (HR). Call 632-6136.

9:00 a.m.-5:30 p.m.
Real Estate Broker's Course, CED Professional Licensing Program, Session 1, (CED). Contact Pat Malone, 632-7071.

10:00 a.m.-Noon
CPR Psycho-Motor Skills for Clinical Assistants, Orientation, (SD/QA). Contact JoAnn Schulz, 444-2939.

2:30 p.m.
Right-to-Know Training, Laboratory Office Personnel, HSC, L-2, Pathology Conference Room. (EHS). Contact Lori Brickman, 632-6410.

5:00-6:00 p.m. Every Tues. and Thurs.
Total Tone, Wellness Program, Exercise Room, Lower Level, Gym (HR). Contact Cynthia Pedersen, 632-6136.

6:30-7:45 p.m. Every Tues.
Support Group for Survivors of Rape/Date Rape, (women only) (GS). Contact University Counseling Center, 632-6715.

7:00-10:15 p.m.
Principles of Real Estate Appraising, CED Real Estate Appraisal Education Program, Session 1, (CED). Contact Pat Malone, 632-7071.

Wednesday, March 4

8:30 a.m.-12:30 p.m.
RN CPR, (SD/QA). Call JoAnn Schulz, 444-2939.

1:00-2:00 p.m. Every Wed.
Adult Children of Alcoholics Support Group, (students only) (GS). Contact University Counseling Center, 632-6715.

3:30 p.m.
Right-to-Know Training, Social Work Services. HSC, L-2, Room 272, (EHS). Contact Lori Brickman, 632-6410.

7:30 p.m.
Right-to-Know Training, Respiratory Care. HSC, L-3 (EHS). Call Lori Brickman, 632-6410.

8:00-9:30 p.m.
Beginning Social Dance, Session 1 of 6, (UCC). Contact Marcia Wiener, 632-6822.

Thursday, March 5

9:00 a.m.-4:30 p.m.
Supervising New York State: The Advanced Program, "Keeping Track" Module, Session 5 of 5, (HR). Call 632-6136.

5:00 p.m.-6:30 p.m. Every Thurs.
Yoga, Wellness Program, 237 SB Union. (HR). Contact Cynthia Pedersen, 632-6136.

Friday, March 6

8:00 a.m.-5:00 p.m.
Income Property Appraising, CED Real Estate Appraisal Education Program, Session 1, (CED). Contact Pat Malone, 632-7071.

8:30 a.m.-Noon
Domestic Violence and Child Abuse Training. HSC, L-3, Room 155, (SD/QA). Contact Jean Mueller, 444-2937.

Saturday, March 7

9:00 a.m.-5:30 p.m.
Life/Accident and Health, CED Insurance Licensing Program, Section A-Session 1, (CED). Contact Pat Malone, 632-7071.

Monday, March 9

7:00 a.m.
Right-to-Know Training, Central Sterile Supply HSC, L-3 (EHS). Call Lori Brickman, 632-6410.

3:00 p.m.
Right-to-Know Training, Central Sterile Supply HSC, L-3 (EHS). Call Lori Brickman, 632-6410.

6:00-8:00 p.m.
Introduction to DOS, CED Personal/Business Computer Training Series, Section A-Session 1, (CED). Contact Pat Malone, 632-7071.

11:00 p.m.
Right-to-Know Training, Central Sterile Supply HSC, L-3 (EHS). Call Lori Brickman, 632-6410.

Tuesday, March 10

8:30 a.m.-5:00 p.m.
Nursing Recertification, Tech Park, (SD/QA). Contact JoAnn Schulz, 444-2939.

8:30 a.m.-5:00 p.m.
What is a Manager, Leadership Conference. Southampton Hospital, Parrish Memorial Hall (SD/QA). Contact Jean Mueller, 444-2927.

9:00-10:00 a.m.
Right-to-Know Training, New Employee Orientation. HSC, (EHS). Contact Maureen Kotlas, 632-6410.

9:00 a.m.-4:30 p.m.
Supervising New York State: The Introductory Program, Section C, Session 1 of 5, (HR). Call 632-6136.

Noon-1:00 p.m. Every Tues.
Eating Concerns Support Group, (students only), (GS). Contact University Counseling Center, 632-6715.

12:45 p.m.
Right-to-Know Training, Nursing Recertification, Tech Park, (EHS). Contact Lori Brickman, 632-6410.

Wednesday, March 11

7:30 a.m.
Right-to-Know Training, Respiratory Care. HSC, L-3 (EHS). Call Lori Brickman, 632-6410.

1:00-2:00 p.m.
Adult Children of Alcoholics Support Group, (students only), (GS). Contact University Counseling Center, 632-6715.

Thursday, March 12

9:00 a.m.-5:30 p.m.
Real Estate Broker's Course, CED Professional Licensing Program, Session 1, (CED). Contact Pat Malone, 632-7071.

10:00 a.m.
Right-to-Know Training, New Employee Orientation. HSC, L-3, (EHS). Call Lori Brickman, 632-6410.

1:00-2:00 p.m.
Right-to-Know Training, New Research Foundation Employees, HSC, (EHS). Contact Maureen Kotlas, 632-6410.

Monday, March 16

8:30 a.m.-5:00 p.m.
Nursing Recertification, Tech Park, (SD/QA). Contact JoAnn Schulz, 444-2939.

Noon
Feel Your Feelings and Emotions, Wellness Program's Stress Management Series. HSC, L-2, Room 273, (HR). Contact Cynthia Pedersen, 632-6136.

Noon-1:00 p.m.
Introduction to Meditation, Session 2 of 2. Leader: Gerald Shephard, M.S.W. (GS). Contact University Counseling Center, 632-6715.

12:45 p.m.
Right-to-Know Training, Nursing Recertification, Tech Park, (EHS). Contact Lori Brickman, 632-6410.

Tuesday, March 17

8:30 a.m.-5:00 p.m.
Strategies to Promote Excellence, Leadership Conference. Southampton Hospital, Parrish Memorial Hall (SD/QA). Call Jean Mueller, 444-2927.

9:00 a.m.-4:30 p.m.
Supervising New York State: The Introductory Program, Section C, Session 2 of 5. (HR). Call 632-6136.

Noon-1:30 p.m.
Stress Management: Relaxing the Mind and Body, Workshop II. Leader: Lois Wald, psychology intern, (GS). Contact University Counseling Center, 632-6715.

Thursday, March 19

8:30 a.m.-5:00 p.m.
Clinical Assistant Recertification, Tech Park (SD/QA). Contact JoAnn Schulz, 444-2939.

8:30 a.m.-5:00 p.m.
Intercultural Communication Skills: Understanding Diversity in the Workplace, Session 1 of 2, (CED). Contact Pat Malone, 632-7071.

1:30-3:30 p.m.
SPSS, (US). Contact User Services, 632-7795.

2:15 p.m.
Right-to-Know Training, Clinical Assistant Recertification, Tech Park, (EHS). Contact Lori Brickman, 632-6410.

3:30-5:30 p.m.
Legal Issues Involving AIDS, Risk Management Conference. HSC, L-2, Hall 4, (SD/QA). Contact Mike Buckleystein, 444-2958.

Friday, March 20

8:30 a.m.-5:00 p.m.
Intercultural Communication Skills: Understanding Diversity in the Workplace, Session 2 of 2, (CED). Contact Pat Malone, 632-7071.

Saturday, March 21

8:00 a.m.-5:00 p.m.
Market Data Analysis, CED Real Estate Appraisal Education Program, Session 1, (CED). Contact Pat Malone, 632-7071.

Monday, March 23

8:30 a.m.-5:00 p.m.
Nursing Station Clerk Recertification. HSC, L-3, Room 159, (SD/QA). Contact JoAnn Schulz, 444-2939.

Noon
Communication Skills Part 1: Verbal Self-Expression, Wellness Program's Stress Management Series. HSC, L-2, Room 273, (HR). Contact Cynthia Pedersen, 632-6136.

1:30 p.m.
Right-to-Know Training, Nursing Station Clerk Recertification. HSC, L-3, Room 159, (EHS). Contact Lori Brickman, 632-6410.

6:00-8:30 p.m.
Introduction to Lotus 3.0, CED Personal/Business Computer Training Series, Section A-Session 1, (CED). Contact Pat Malone 632-7071

Tuesday, March 24

Noon-1:00 p.m.
Laboratory In-Service Lecture Series, "Quality Assurance." Lecturer: Dr. Frederick Miller. UH L-2, Pathology Conference Room 766, (CL). Contact Carol Gomes, 444-7636.

1:00-2:00 p.m.
Right-to-Know Training, New Employee Orientation, HSC, (EHS). Contact Maureen Kotlas, 632-6410.

4:00-7:00 p.m.
Defensive Driving, Session 1 of 2. Dutchess Hall, Public Safety Department (PS). Contact Pat Termotto, 632-6350.

5:30-8:30 p.m.
Defensive Driving, Session 1 of 2. HSC, Room T.B.A. (HR). Call Carol Manning, 444-2524.

Wednesday, March 25

8:30 a.m.-5:00 p.m.
Nursing Recertification, Tech Park, (SD/QA). Contact JoAnn Schulz, 444-2939.

10:00 a.m.
Right-to-Know Training, New Employee Orientation. HSC, L-3 (EHS). Contact Lori Brickman, 632-6410.

12:45 p.m.
Right-to-Know Training, Nursing Recertification. Tech Park, (EHS). Contact Lori Brickman, 632-6410.

Thursday, March 26

9:00 a.m.-Noon
Basic Life Support Recertification. Tech Park (SD/QA). Contact JoAnn Schulz, 444-2939.

Continued on page 23

NOTES:
Because many of the events listed have fees or prerequisites associated with them, be sure to call the contact person of the event you are interested in for more information. If you have training or personal development activities that you wish to be included in this calendar, please contact Paul Croser at 632-7191.

CODES:	
BM	BIOMEDICAL ENGINEERING, UNIVERSITY HOSPITAL
CED	SCHOOL OF CONTINUING EDUCATION
CL	CLINICAL LABORATORIES, UNIVERSITY HOSPITAL
EHS	ENVIRONMENTAL HEALTH AND SAFETY
GS	GROUP SHOP
HR	HUMAN RESOURCES
PS	PUBLIC SAFETY
SBDC	SMALL BUSINESS DEVELOPMENT CENTER
SD/QA	STAFF DEVELOPMENT/QUALITY ASSURANCE, UNIVERSITY HOSPITAL
UCC	UNION CRAFTS CENTER
US	USER SERVICES

SPORTS PREVIEW

Softball

Stony Brook's softball team has plenty to look forward to in the 1992 season. With a strong core of returning players, the Patriots hope to improve upon their 14-10 record and fourth place finish in the New York state tournament last year.

"Most of this team has played together for three years now," said Head Coach Judy Christ. "We are legitimate contenders for the state title this season."

The Patriots will rely on the leadership of returning Captain Cathy DiMaio. DiMaio, last year's MVP, contributes both offensively and defensively. In the field, she can play either first base — a position learned last season while recovering from a rotator cuff injury — or her original position, shortstop. DiMaio hit .393 on her way to being named to the State All-tournament team last season. "Cathy had 22 RBIs from the leadoff position," recalled Christ. "She is a true contact hitter."

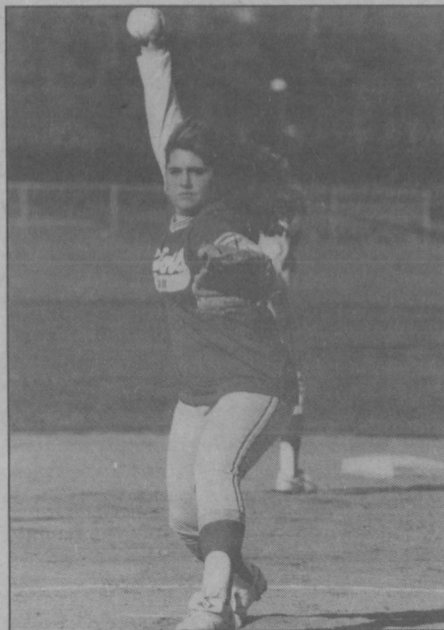
The Patriots will again benefit from a strong two-pitcher rotation. Senior Traci Racioppi will return to be the ace of the Patriot pitching staff. In addition to keeping opposing hitters off the base paths,

Racioppi provided USB with homerun power while maintaining a .394 batting average last season. Sophomore Joan Gandolf, 7-5 last season with a 3.07 ERA, will again share the pitching responsibilities this season. Said Christ, "Both Racioppi and Gandolf (.370) are strong batters and will be in the lineup when they are not pitching."

Senior Lisa Wong is an experienced catcher familiar with the pitching staff. Nurys Rodriguez will be called upon to spot Wong a break throughout a season which includes eight doubleheaders.

Experienced players will round out the infield for the Patriots. At the "hot corner," the third base duties will again fall upon two-year starter Jo-Anne Greggo. The Patriots will need Greggo's bat to come alive in their search for a state title.

The starting second base position will again be filled by Kim Verunac. In addition to her consistent play in the field, Verunac hit .364 last season. Kerri Diggin, who appeared in 15 games as a freshman last year, will be used as a utility infielder when she is not playing the outfield.



Traci Racioppi winds up to pitch.

The outfield for the Patriots will have a mix of veterans and newcomers, led by junior Beth Match, joined by Heidi Epstein and sophomore Joanna Kerney. Kerney hit .333 as a freshman last year, seeing action in nearly half of the games. Newcomers Aimee Brunelle and Christine Anderson are expected to challenge for starting roles. "Aimee will provide us with some more



PHOTOS BY ROBERT O'ROURKE
Captain Cathy DiMaio bags a grounder.

power in the lineup, and Christine gives us much needed speed."

The 1992 schedule includes a trip to South Carolina for spring training, as well as contests against nationally ranked Division III competitors William Paterson and Montclair State, and perennial state rivals New Paltz, Albany, Staten Island and Binghamton.

Baseball

Head Coach Matthew Senk has high expectations for the 1992 baseball team. Last year's team earned several Division III national team rankings: 4th in doubles, 10th in runs scored, 19th in double plays, and 21st in stolen bases.

"Last year, our 7-3 conference record placed us second, behind NCAA East Regional finalist Staten Island. We narrowly missed being selected to the ECAC tournament with our overall record of 16-9. I feel the Skyline Conference championship and a post-season bid to either the NCAA's or the ECAC's are within reach of this year's team," said Senk.

This season's roster has many new

names. Of the 24 players on the squad, 15 are either freshmen or transfers. "New faces such as freshmen Michael Robertson and Chris Schneider should see valuable time on the mound. Evan Karabelas, an All-Region transfer from Herkimer Community College, hits for power and could possibly be a cleanup hitter this season. Freshman catcher Dave Marcus, one of our top recruits, was one of the best in Nassau County, hitting over .400 and ranking as one of the top home run hitters as a high school senior."

Coach Senk is equally optimistic about his returning infielders, who were a nationally ranked double play group last year. "With Vin Autera returning at second base,

Ken Kortright at shortstop, and versatile Artie Della Rocca, who plays all infield positions well, we have a solid defensive nucleus in the infield that can also produce at the plate."

Returning to the outfield is All-Conference performer Scott Shermansky, "a solid all-around player," according to Senk. Bill Zagger, starting catcher last year, will play outfield this year, and when he's not on the mound, Bill Wilk will play centerfield."

The Patriots open up their 1992 season with a 10-game week-long trip to Cocoa Beach, Florida. Coach Senk has upgraded last season's schedule to include many NCAA and ECAC playoff opponents.

Women's Track

The Lady Patriots have experienced runners returning in the track events, but Head Coach Steve Borbet will rely heavily on newcomers to fill a gap in several field events. With 13 freshmen and only one senior on its pre-season roster, the women's track team is primarily young and untested. "Once the newcomers get comfortable in their events, this year's team will be much improved," said an optimistic Borbet.

One outstanding returnee is ECAC qualifier in the 800M and 1500M events, Nicole Hafemeister. "Nicole will be our top 1500 and 3000M runner this year, and should run sub-5:00 and 10:30 in those events," said Borbet. Delia Hopkins is expected to be an ECAC qualifier in both the 800M and 1500M. Also returning is current school record holder in the 500M, senior Meegan Pyle. "Meegan will team up with Nicole and Delia in the 4x800M relay and should challenge the school record," added Borbet. Sophomore Farah Merceron will provide depth in both the 800M and 1500M distance events. Luci Rosalia and Carey Cunningham, New York State qualifiers in high school, will run the middle distances, anything from 400M to 1000M. "Both of them will run in our 4x400M and 4x800M relay teams," said Borbet.

Dara Stewart, a two-time ECAC qualifier, is expected to return after a year off. Freshmen Saunsarae Montanez and Demetria Ramnarine will be the Lady Patriot's top 400M runners. Another newcomer, Connie Morawski, who will run the hurdles along with Ramnarine, will sprint and long jump for Stony Brook.

Two new sprinters are Tina DeMattia and Ann Marie Green, potential NYSWCAA qualifiers who will run the 4x200M relay. In the racewalk, Margie Nawrocki and Natalia Fujimori will be making a comeback after a year off. In the weight events, newcomers Claudia Puswald and Dawn McDermott are quality throwers. Coach Borbet said, "We are looking forward to contending for the Public Athletic Championship."

The Lady Patriots will host their Outdoor Opener on March 28, the PAC Championships on April 11, and the Stony Brook Invitational on April 26.

Men's Track

The Patriots lost some key veterans to graduation, but have reloaded the arsenal with new recruits from both the high school and community college ranks.

"We are looking to rewrite the record books again," said Head Coach Steve Borbet. Having set 10 university outdoor records, the men's track team has proven itself a legitimate contender at any meet.

With the loss of All-American hurdler Jean Massillion, a two-time ECAC Champion, Coach Borbet will call upon returning runners, such as ECAC 400M champion Roger Gill, to fill the void. "Roger is expected to repeat his dominance in the 400M while improving his second place finish in the 200M," said Borbet.

"Jerry Canada, an ECAC champion, provides us a proven winner in the 500M." Middle distance runner (800M) Dave Briggs will try to win the ECAC's, which eluded him last season, when he placed second.

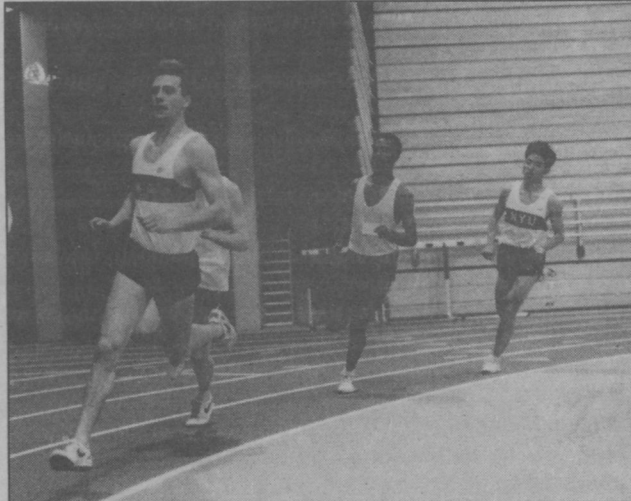
In the relay events, the Patriots have an established base on which to build. The 4x400 meter relay returns Gill, Canada, and Courtney O'Malley. The distance medley which finished fourth at the ECAC's also returns three of four members: Briggs, Hank Shaw, and sophomore Wayne Mattadeen. "Mattadeen ran a 49.7 leg of the relay in last year's outdoor season and should qualify in the 200M," noted Borbet.

"Junior college transfer Chris Wilson will help us immediately," said Borbet. Wilson is a 1:54.4 800M runner who might also be asked to run the 500M and a relay event. "Dan Tupaj is a Suffolk County champion in the 800M and we will look to include him in our two-mile relay team." Freshmen Jason Clark and John Pikramenos, with transfer Pat Reigger, will be contributors in the 3000M and 5000M events. Returnee Mike Roth will be joined by Mark Barber and Pete Scharfglass in the racewalk.

"All three can place in the Collegiate Track Conference championships," noted Borbet.

In field events, Anderson Vilien returns with a second place finish in the long jump at last year's ECAC's. Rich LoGrippo will perform in the shot put for the Patriots. Borbet added, "He plans to take time from his med school studies and get into the top three."

In addition, for the first time in several years, Stony Brook has a potential NCAA qualifier in the pole vault. "Pete Scharfglass



Middle distance runner David Briggs

should break the university record and should clear 15 feet to get to the NCAAs," said Borbet.

"The outdoor season has the potential for some NCAA qualifiers," said Borbet. Discus thrower Mike Pellerito and javelin specialist Troy Lehrer will look to represent Stony Brook at the nationals.

The Patriots will enjoy three home meets this spring, hosting the Outdoor Opener on March 28, PAC Championships and the Stony Brook Invitational in April.

Hillel Celebrates 25 Years on Campus

The B'nai B'rith Hillel Foundation will present a retrospective of its first 25 years at Stony Brook on Tuesday, March 3, at 8:00 p.m. in the Stony Brook Union Ballroom. A visual display of posters, photographs and flyers will trace the first quarter-century of the organization locally.

In conjunction with the retrospective celebration, Hillel will present Ambassador Uriel Savir, consul general of Israel, speaking on "Prospects for Peace in the Middle East." Born in Jerusalem, Savir joined the Foreign Ministry in 1975 and has served as the press officer of Israel's consulates in New York and Canada, and as media advisor and bureau chief for former Israeli Prime Minister Shimon Peres. Savir has been consul general in New York since 1988.

The Israeli consulate will mount a photographic exhibit of Jerusalem in the Ballroom on the evening of the lecture. This year marks the 25th anniversary of the reunification of the city.

Hillel began at the university as a counselorship in 1967, with Rabbi Elliot Spar of Temple Beth Shalom of Smithtown serving as part-time counselor.

In 1974 the organization became a full time Hillel Foundation, directed by Richard Siegel and based off campus, at 75 Sheep Pasture Road. Soon after, the Interfaith Center was established, and Hillel moved permanently onto campus. Joseph Topek is current director, and Keith Babich, student president.

Volunteers Sought For Arthritis Study

The Department of Physical Therapy is looking for volunteers to participate in a study on pain control in rheumatoid arthritis patients.

The study will compare water therapy, flotation in magnesium sulfate solution and behavioral therapy in the treatment of pain management. Participants will be asked to soak in a warm water bath, float in an epsom salt bath or participate in instructional sessions, all designed to reduce levels of pain. They will receive treatment twice a week for one month, and will be followed up one month later.

Those eligible for the study must have a confirmed diagnosis of rheumatoid arthritis.

The study is collaborative project, conducted by Stony Brook's Departments of Physical Therapy, Medical Technology, Rheumatology and Psychiatry, and the Sensorium Corp. in East Setauket. For further information, call 689-5772.

Women's Health Fair Set for March 3

A Women's Health Fair will be held Tuesday, March 3, 11 a.m. to 6 p.m., in the Stony Brook Union. Staffed by faculty, administrators and students from the Health Sciences Center as well as campus and community organizations, the fair will offer:

- Exhibits, demonstrations and information on heart disease prevention, breast self examination, skin care, life changes and cholesterol, oral hygiene, children's safety and AIDS;
- Blood pressure, posture and pulmonary function assessments;
- Health profession career advice;
- Contraceptive update, with samples available.

Seminars will be held beginning at 11 a.m. and continuing through the day on addictions, sexual assault, CPR, incest, stress management, massage, acupressure.

Humanities Institute Winter Update

On Wednesday, March 4, at 4:30 p.m., Carol Blum, professor of French and Italian, will speak on "The Depopulation Delusion and the Political Personality in Enlightenment France," as part of the History Department's Culture and Society in the 18th Century Series, presented in conjunction with the Humanities Institute (HISB). Blum's talk will be held in Room E4341 of the Frank Melville Jr. Memorial Library.

The next lecture in this series will be on Wednesday, April 8, at 12:30 p.m.: Iona Man-Cheong, assistant professor of history, on "The Complexity of Women's Identities in 18th Century China." For further information, contact Gary Marker, Department of History, 632-7513, or E. Ann Kaplan, Humanities Institute, 632-7765.

The new HISB seminar series, "Ethnicity in the New America: the University of the Future," will bring Carlos Hortas to campus on Wednesday, March 11. Hortas, professor and dean of Humanities and Fine Arts at Hunter College, is a member of the New York Task Force on Cultural Diversity. He will speak on multiculturalism and education at 4:30 p.m. in Room E4341 of the Frank Melville Jr. Library.

The next lecture in this series will be Wednesday, April 29: Amy Ling, director of Asian-American Women's Studies at the University of Wisconsin at Madison.

Garber Travel Moves Onto Campus

Garber Travel has been appointed to manage travel at the university, moving into the office adjacent to the bookstore in the Frank Melville Jr. Library Memorial building.

The company, headquartered in Brookline, Mass., operates 70 offices in the U.S. and in England.

'Thursday Night Live' Opening at Wagner

Wagner College is inaugurating a new coffee house and seeking student entertainers to perform. Comedians, musicians, poets, magicians are welcome to apply to Christina Papp, 632-4956, Andrea Hay, 632-4879, Greg Desire, 632-4928, resident assistants. The first coffee house will be Thursday, March 19, 9:30 p.m.-midnight.

High School Students Summer Research Institute

High school students are invited to apply for the Summer Research Institute in the natural sciences, engineering, mathematics, social sciences and health sciences, to be held June 29 to July 31 at Stony Brook.

Now in its second year, the institute will host 25 students who will join teams of faculty members, graduate students and professional staff working on advanced research projects. The institute will be held under the auspices of the university's Center for Science, Mathematics and Technology Education.

Institute participants will work in campus laboratories and at the Health Sciences Center. In addition, they will participate in classes teaching analysis of data, statistics and procedures for preparing a research paper.

The institute is open to students who have completed the ninth grade and at least one regents science course. Applications will be evaluated as they are received and must be accompanied by a teacher's recommendation and a school transcript.

Tuition for the institute is \$825, which includes materials and lunch. Participants provide their own transportation. For further information, call the Center for Science, Mathematics and Technology Education at 632-7075.



Love is in the Air: Alternative Cinema Films

The theme is love: comic and tragic, lyrical and prosaic. Stony Brook's Alternative Cinema is exploring manifestations of love in its spring 1992 series. All the films are stylistically interesting, marked by an irreverent and unsentimental treatment of character and an innovative use of subject matter.

All films are shown in the Stony Brook Union Auditorium on Tuesday evenings at 7 p.m. and 9:30 p.m., with the exception of the double feature on March 17, shown at 7 p.m. and 10 p.m. Admission is \$2 per film. Foreign language films are shown with English subtitles. For additional information, call Marilyn Zucker at 632-6136.

• March 3: *Wedding in Gallilee*, directed by Michael Khleifi, 1987, in Hebrew and Arabic. Color, 113 minutes. The film explores the marriage of an Arab elder's son in a town under Israeli curfew.

• March 10: *True Love*, directed by Nancy Savoca, 1989, in English. Color, 100 minutes. Savoca's debut film is an exuberant account of courtship and marriage in the Bronx.

• March 17 (Double Feature): *The Phantom of the Opera*, directed by Rupert Julian, 1925, silent. Black and white, 80 minutes. The classic tale of a disfigured musician who haunts the underground vaults beneath a Paris opera house. Starring Lon Chaney, and the *The Bride of Frankenstein*, directed by James Whale, 1935, in English. Black and white, 75 minutes. A wild Gothic concoction starring Boris Karloff and Elsa Lanchester culminates in the spectacular laboratory creation of the monster's mate, complete with lightning-bolt hairdo.

• March 31: *Johnny Guitar*, directed by Nicholas Ray, 1954, in English. Color, 112 minutes. This offbeat western pits Joan Crawford against Mercedes McCambridge in a story that borders on fable and melodrama.

• April 7: *Sammy and Rosie Get Laid*, directed by Stephen Frears, 1987, in English. Color, 97 minutes. A wicked black comedy involving cultural, sexual and generational conflicts that arise when a retired Pakistani politician visits his son in London.

• April 14: *The Marriage of Maria Braun*, directed by Rainer Werner Fassbinder, 1978, in German. Color, 120 minutes. A mix of epic romance, offbeat comedy and soap opera, this film chronicles the rise of postwar Germany through the story of its heroine.

Human Resources News

Bulletins

• Unsubmitted 1991 Metropolitan health insurance claims must be sent in by March 31, 1992.

• The Office of Human Resources is available to offer assistance in creating or updating resumes. To set up an appointment, call 632-6136.

• Current job opportunities on campus are updated weekly. Job information can be accessed at the Office of Human Resources, Room 390 Administration, by the Jobline at 632-9222, or on the All-in-One bulletin board, BB CJO.

• Resumes and applications for positions on campus may be transmitted by FAX on 632-6168.

• Registration is being accepted for the university's Advanced Supervisory Training courses. Prerequisite: the Introductory Supervision Course. "The Challenge of Change" will be offered Thursdays, April 2, 9, 16, 23 and 30. "Getting the Job Done" will be offered on Thursdays, May 7, 14, 21, 28, and June 4. Applications are available in the Office of Human Resources, Room 108 Humanities, by March 19. Call 632-6136 for information.

Employee Relations Council

• Saturday, March 14: Estee Lauder warehouse sale. Tickets available at 108 Humanities. No transportation is provided to the warehouse, located in Melville.

• March 9-12, Fourth Annual Photography Exhibition. Alliance Room, Frank Melville Jr. Memorial Library.

• Wednesday, April 8: Theatre trip to either *A Streetcar Named Desire*, starring Jessica Lange and Alec Baldwin or *Man of La Mancha*, starring Raul Julia and Sheena Easton. \$65 for front mezzanine seats and bus fare. For reservations, call Cathy Bardram at 632-8300 or Penny Scholl at 632-8757.



Spring Crafts Center Courses Starting at USB

New classes are beginning this month at the Union Crafts Center in a variety of arts, crafts and leisure activities. All courses are open to campus and community.

Courses beginning the week of March 2 include surface design (Ikat), rag weaving, quilting, wine appreciation, and social dancing. In addition, a one-day herb basket workshop will be held on Saturday, April 11.

Ongoing every Friday from 7:30 p.m. to 9:30 p.m. is an open, non-instructional figure drawing workshop with a live model. No preregistration is necessary. The fee is \$4.00, payable at the door.

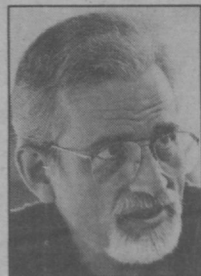
In addition to the formal courses, the Crafts Center offers membership in the ceramics, weaving and photography studios.

For specific information about fees, times and places, call the center at 632-6828 or 632-6822.

David Bernstein, director of the Institute for Long Island Archaeology, Department of Anthropology, assisted Ward Melville High School senior Tessa Warren in a research project that earned her Semifinalist status in the Westinghouse Science Talent Search. Warren's project, "An Analysis of Ball Clay Pipe Fragments from the Terry-Mulford Site, Orient, New York," examined an improved method for dating Euro-American archaeological sites by measuring the bore diameters on fragments of clay pipes. The pipes she analyzed were excavated during the Anthropology Department's Summer Field School in Archaeology, under the direction of graduate student Frank Turano, who teaches biology at Ward Melville.

Paul Edelson, dean of the School of Continuing Education, was a Kellogg Foundation Visiting Scholar at Syracuse University, Jan. 12-19. Edelson is working on a book, *The Struggle for Control of Adult Education in America* (Krieger), scheduled for publication in 1993.

Steven Jonas, professor of Preventive Medicine at the School of Medicine recently published *The New Americanism*, a book suggesting a course of action for the Democratic party. Jonas' previous books, *Medical Mystery: The Training of Doctors in the United States* (W.W. Norton Company) and *An Introduction To The U.S. Health Care Delivery System* (Springer), examined issues in national health policy. The new book suggests that Democrats demonstrate the patriotic nature of the progressive agenda (e.g. health care, education, environment, human rights); reach out to current non-voters most likely to vote Democratic; establish "local problems banks" to address issues of immediate concern; and reject "me-tooism" because, according to Jonas, "It can't win, and even if it could, why bother to elect it?"



Michael Kimmel, associate professor of sociology, is co-author of *Against the Tide: Pro-Feminist Men in the United States, 1776-1990*, the first title in the new "Men and Masculinity" series from Beacon Press.

The book, which presents a record of men's thoughts and lives as they worked to secure equal rights for women, takes a look at such notables as Thomas Paine, Justice Harry Blackmun, Woody Guthrie, John Lennon, Frederick Douglass, Jesse Jackson, Walt Whitman and Gore Vidal.

Dorothy Lane, associate professor of preventive medicine and dean of Continuing Medical Education, was elected a member and trustee of the American Board of Preventive Medicine. She attended her first meeting in that capacity from Jan. 29-Feb 6.

Nina Mallory, professor of art, will be presenting a lecture at the Prado Museum in Madrid, Spain, on "Murillo, His Life and His Biographers," on March 3.

Anne E. Preston, assistant professor at the Harriman School for Management and Policy, has won the 1990-1991 Peter F. Drucker Foundation award for best scholarly paper published in the journal, *Non-Profit Management and Leadership*. The foundation, named for a renowned management scholar, is dedicated to promoting the non-profit business sector. Preston's award, \$1,000, was supplemented by an additional \$1,000 in books from the publisher of the journal, Jossey-Bass Books. Preston's paper, titled "Changing Labor Market Patterns in the Non-Profit and For-Profit Sectors," was published in the Fall 1990 issue.

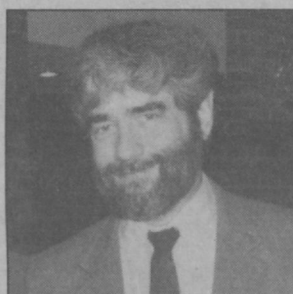
Stephen M. Rose, professor of social welfare, edited *Case Management and Social Work Practice* (Longman, Inc., 1991). In recent months, four of his articles were published, including "Acknowledging Abuse Backgrounds of Intensive Case Management Clients, in *Community Mental Health Journal* (August, 1991), and others. In February, he spoke on "Human Dignity—the Foundation for Case Management in Long Term Care," at the International Long Term Care Case Management Conference in Seattle, and on March 1, on "Establishing Community—Principles to Guide Mental Health Practice," at the annual meeting of the Council on Social Work Education in Kansas City. In addition, later in March he will speak at Rutgers University, New Brunswick, N.J., on "Who Counts? On the Relation Between Professional Identity, Knowledge and Knowing," at the Postdoctoral Mental Health Training Program.

Philip Solomon, professor of astronomy, conducted observations at the IRAM (Institut de Radio Astronomie Millimetrique) telescope in Spain during February. The instrument, jointly owned by France and Germany, is considered the world's best millimeter wave telescope. Solomon used it to study an infrared luminous galaxy in the distant universe recently found to be as powerful as 100 trillion suns, and 30 times more powerful than anything that had been observed previously, according to Solomon.



Roger Wunderlich, research assistant professor in the Department of History and editor of the department's *Long Island Historical Journal*, is author of an upcoming book, *Low Living and High Thinking at Modern Times, New York* (Syracuse University Press). The book, which documents the history of the 19th century libertarian community that is now Brentwood, Long Island, is the first portrait of the small group of free thinkers and sexual radicals who challenged the conventional wisdom of the time. The book, which was excerpted in the historical journal, will be published in April.

Michael Zweig, associate professor of economics, authored "Economics and Liberation Theology," the first essay in a new book,



Religion and Economic Justice (Temple University Press). The book is a compilation of original writings that look at the individualism that underlies mainstream economic analysis.

The essays show how social marginalization and economic deprivation are the consequences of economic organization, and not the failings of individuals. The essays are by such noted economists, religious ethics and biblical scholars as Norman K. Gottwald, Gregory Baum, Pamela Brubaker, Michael Lerner, Ann Seidman, Amata Miller, Samuel Bowles,

Herbert Gintis, Francis Moore Lappe and J. Baird Callicott.

Helmut Norpoth and Howard Scarrow, professors in the Department of Political Science, along with Professor **David Burner**, Associate Professor **Michael Barnhart**, and Associate Professor Emeritus **Hugh Cleland** of the Department of History, will join a list of journalists and scholars at a conference on "The Road to the White House, 1952-1992," the third annual Conference on the Presidency at Smithtown High School East. The conference will be held in May. Other speakers include former vice presidential candidate Geraldine S. Ferraro, *New York Magazine* columnist Edwin Diamond, and *Newsday* editor Anthony Marro. *Newsday* Assistant Managing Editor Robert Green and political writer Alan Eysen, lecturers in the Department of English, will also speak at the conference.

Mary Wu and Hsing-Chwen Hsin, graduate students in the Department of Music, won highest honors in the Mozart Bicentenary Piano Competition of Asia, held in Hong Kong at the end of December. Wu, a native of Hong Kong, was winner of the first prize, with a performance of Mozart's Concerto in D Minor. Hsin, originally of Taiwan, took second prize, with a performance of Mozart's Piano Concerto in C minor. Both are students of Gilbert Kalish. The competition, sponsored by Radio Television Hong Kong, the Hong Kong Urban Council and the Hong Kong Philharmonic Orchestra, was open to "ethnic Asians," by invitation only. In all, 114 applicants vied for honors. The adjudicating panel included pianists Paul Badura-Skoda, Fou Ts'ong and Melvyn Tan, and musicologist Eva Badura-Skoda.



TRANSITIONS

Richard Porter, professor of chemistry, was elected to the presidency of the University Senate for a one-year term, from January through December, 1992. A physical chemist, his research deals with the theory of reaction dynamics and the theory of coherent states. Porter served as acting dean for Physical Sciences and Mathematics during the 1990-91 academic year. Porter came to Stony Brook in 1969.



"The University Senate is the voice of the faculty," Porter says. "This is a critical time for the university. Now, more than ever, we need coherence among faculty, students, staff and administration."

"This year, for the first time in history, the states have appropriated less for their colleges and universities than the year before... The cut was some \$80 million in a

total budget of \$40 billion [nationwide], a reduction of 0.2 percent.... The governor's proposed budget for SUNY in 1992-93 is 30 percent less than in 1988-89. This is a cut of about 50 percent in inflated dollars."

Porter replaces Barbara Elling, Distinguished Teaching Professor of Germanic and Slavic languages, whose term expired in December.

Yacov Shamash

Continued from page 3

has a strong record of research and has been a most effective academic administrator. His recent efforts at forging electrical and computer engineering and computer science faculties have been nothing less than spectacular. His success in these endeavors resulted from his visionary planning efforts, eagerness to accept challenges, ability to guide and facilitate faculty development, hard work, and functioning as an outstanding administrative leader," Edelstein says.

On the occasion of announcing Shamash's appointment, Edelstein commended Stewart Harris, current dean of

engineering, for his important contributions to the university.

Born in Iraq, Shamash was educated in England. He has worked in Israel and, since 1976, in the U.S., where he is currently director of the School of Electrical Engineering and Computer Science at Washington State University in Pullman. He is also director of the NSF Industry/University Cooperative Research Center for Design on Analog-Digital Integrated Circuits, which he established in 1989. The center, with annual research expenditures in excess of one million dollars, has 15 industrial sponsors and involves 18 faculty members and 25 graduate students from three universities.

From 1985-90 he served as professor and chair of the Department of Electrical and Computer Engineering at Washington State University, and from 1982-85, he chaired the Electrical and Computer Engineering Department of Florida Atlantic University. From 1984-85, he also served as director of Control Systems and Robotics Center at Florida Atlantic University, and from 1982-85, as director of the Florida Engineering Educa-

tion Delivery System (FEEDS). FEEDS is a state sponsored program for the delivery of graduate engineering education to working engineers throughout Florida. Shamash has also taught at the University of Pennsylvania and Tel Aviv University.

Shamash earned his Ph.D. in control systems from the Imperial College of Science and Technology in London, and his bachelor's degree (with "First Class Honors"), in electrical engineering from the same university. He has contributed chapters to reference books and published over 40 scholarly articles in such journals as *IEEE Transaction Automatic Control*, *International Journal Control*, and *International Journal of Systems Science*.

He serves on the board of directors of Keytronic Corporation and the board of governors of IEEE Aeronautics and Electronic Systems Society. He is a reviewer for the National Science Foundation as well as numerous journals and academic book publishers, and principal investigator or co-investigator on several grants from the NSF and other funding institutions.

CALENDAR

SUNDAY
MARCH 1

Lacrosse vs. Fairfield. 1:30 p.m. Sports Complex. Call 632-7200.

Department of Theatre Arts Presentation, *Roosters*, by Milcha Sanchez-Scott. A long-absent father returns to his Chicano family, prompting confusion, fiery conflict, humor, poetry, and miraculous transcendence. 2:00 p.m. (Also March 5-8.) Theatre One, Staller Center for the Arts. \$8; \$6/students & seniors. Call 632-7230.

Center for Women's Concerns, "Clothesline Project Workshop." Design T-shirts that graphically illustrate violence against women. 3:00-7:00 p.m. HQuad, D 120 Langmuir. Call 632-2000.

Prepared Childbirth Courses. Lamaze refresher course, classes in preparation and Caesarian section birth, newborn care and preparation for breastfeeding. 3:30-5:30 p.m. Preregistration required. Call 444-2729. Every Sun.

Catholic Campus Ministry Sacrament of Reconciliation. 4:40 p.m. Peace Studies Center, Old Chemistry, and by appointment (632-6561). Every Sunday.

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

Union Crafts Center, Scuba Diving. 6:00-9:00 p.m.; 7 Sun. 1st session. 8 classroom sessions, 7 pool training sessions and 2 days open water training. Certificate available. All equipment and books included; no extra charges or rentals. Physical exam required. Gym, Indoor Sports Complex. \$275. To register, call 632-6828/6822.

The Bach Aria Festival and Institute Fellowship Program Benefit Concert, "A Gala Evening with Music by Bach & Mozart." Featuring Rosalyn Tureck joining the Bach Aria Group and guest artist Charles Neidich. 7:00 p.m. Staller Center for the Arts. \$30/\$26; 1/2 price students/I.D.; \$2 discount/seniors & students. Call 632-7230.

MONDAY
MARCH 2

Flea Market. Bargains Galore! This Faculty Student Association sponsored market is open every Monday. 8:30 a.m.-4:00 p.m. SB Union Bi-level. Call Michele, 632-6510.

Computing Services Workshop, "LOTUS." Hands-on course introduces the beginner to the most frequently used commands, as well as on avoiding the most common errors. 9:00 a.m.-noon. Preregistration required. Call 632-7795.

Computing Services Workshop, "DOS." Overview of hardware and hands-on training for the DOS commands. 9:00 a.m.-noon. Free. Preregistration required. Call 632-7795.

Computing Services Workshop, "DeltaGraph." 10:00-11:00 a.m. How to type in data in DeltaGraph and its limits as a spreadsheet. Preregistration required. Call 632-8050.

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

Women's History Month Multi-cultural Panel Discussion, "Cross Cultural Experiences of Women in the U.S." Audience participation. 12:30-2:30 p.m. Peace Center, Old Chemistry. Call 632-9176.

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

Union Crafts Center, Surface Design (Ikat). 7:00-9:30 p.m.; 5 Mondays (1st Mon.). Basic knowledge of warping necessary. Design and weave a warp using Ikat technique. Painted warp will also be demonstrated. Materials fee approx. \$15. Fiber Studio, SB Union. \$50/students, \$65/non-students. Call 632-6828/6822.

Prepared Childbirth Courses. Lamaze refresher course, classes in preparation and

Caesarian section birth, newborn care and preparation for breastfeeding. 7:30-9:30 p.m. (varies). Preregistration required. Call 444-2729. Every Monday.



Union Crafts Center, Wine Appreciation (age 21+). 7:30-9:30 p.m.; 5 Mondays (1st Mon.). Survey of the world of wines through taste tests, lectures & discussions. At least 4 different wines at each class (not sampled in previous years). Materials fee \$15. Crafts Center, SB Union. \$55/students; \$65/non-students. Call 632-6828/6822.

TUESDAY
MARCH 3

CCET School of Continuing Education, "Introduction to PageMaker." 9:00 a.m.-noon (through 3/31). The basics: importing text, graphics, tabs & style sheets. Word processing skills and IBM PC familiarity required. \$225; preregistration required. Call 632-7071.

Computing Services Workshop, "Introduction to ALL-IN-1." Introduces the use of ALL-IN-1 software running under VMS on the VAXcluster. Includes: accessing ALL-IN-1, User Setup, Electronic Messaging and basic ALL-IN-1 functions. 10:00 a.m.-noon. Preregistration required. Call 632-7795.

Women's History Month Health Fair & Health Careers Day. 11:00 a.m.-6:00 p.m. Participants from AIDS Education Resource Center, School of Allied Health Professions, Dept. of Medicine, School of Nursing, School of Social Welfare, the Dental School and the Hospital Auxiliary will be available to speak to students and/or provide blood pressure screening, cardiovascular fitness, posture evaluation, information on breast self-examination, skin cancer, AIDS, and domestic violence. Continuous showing of health-related video tapes. Stony Brook Union Bi-level. Call 632-9176.

Department of Psychiatry Grand Rounds. William Breaky, Johns Hopkins. 11:00 a.m.-12:30 p.m. Level 2, Lecture Hall 4, Health Sciences Center. Call 444-2988.

Women's History Month, "Women in Politics," Paula Scalingi, Permanent Select Committee on Intelligence, House of Representatives. 11:30 a.m.-12:50 p.m. Room 111, Javits Lecture Center. Call 632-7667.

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

University Counseling Center Group Shop Workshop, "Time Management for Academic Success." Discuss what gets in the way of effective time management and how to get around it. One session: Noon-1:00 p.m. Free. To register, call 632-6715.

University Counseling Center Group Shop Workshop, "Eating Concerns." For Students Only. Tuesdays (through April 7); Noon-1:00 p.m. Free. To register, call 632-6715.

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

Political Science Colloquium, "Women in Underrepresented Areas of Government: National Defense, Armed Forces and Intelligence," Paula Scalingi, Permanent Select Committee on Intelligence, House of Representatives. 3:30-5:00 p.m. Room N-702, Ward Melville Social & Behavioral Sciences. Call 632-7667.

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

Women's History Month Gala Celebration. Ann Fauvell reads excerpts from her short stories, *Touching in the Right Places*. 7:00-9:00 p.m. Peace Center, Old Chemistry. Call 632-9176.

The Alternative Cinema at Stony Brook, *Wedding in Gallilee* (1987, Hebrew & Arabic with English subtitles, color 113 min.). An important and heartfelt exploration of the Israeli-Arab conflict. It concerns the marriage of an Arab elder's son in a town under Israeli curfew. 7:00 & 9:30 p.m. Stony Brook Union Auditorium. \$2. Call 632-6136.

B'nai B'rith Hillel Foundation & Israeli Consulate's Exhibits. A retrospective of 25 years of B'nai B'rith Hillel Foundation programs at Stony Brook as well as photographs marking the 25th anniversary of the unification of Jerusalem. 7:15 p.m. SB Union Ballroom. Free; open to the public. Call 632-6565.

USB B'nai B'rith Hillel Foundation's 25th Anniversary, "Prospects for Peace in the Middle East," Ambassador Uriel Savir, consul general of the State of Israel in New York. 8:00 p.m. Stony Brook Union Ballroom. (Cosponsored by the Suffolk Jewish Communal Planning Council.) Free. Call 632-6565.

Stony Brook Fencing Club. 8:00-10:00 p.m. Indoor Sports Complex (dance studio). Textbook door prize drawing on March 10. Call 585-8006. Every Tuesday.

WEDNESDAY
MARCH 4

Pediatric Grand Rounds, "Food Allergy: Facts and Fancy," Daniel L. Mayer, MD, Smithtown, NY. 8:00 a.m. Level 3, Lecture Hall 6, Health Sciences Center. Call 444-2730.

Computing Services Workshop, "WordPerfect." Hands-on course designed for the individual new to word processing. 9:00 a.m.-noon. Preregistration required. Call 632-7795.

Computing Services Workshop, "Formulas in WORD." Shows how mathematical formulas can be created. Superscript, subscript and various accent marks used in foreign languages are also covered. 9:20-10:00 a.m. To register, call 632-8050.

Department of Music Noontime Concert Series. Graduate student performances. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

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

University Counseling Center Group Shop Workshop, "Time Management for Academic Success." Discuss what gets in the way of effective time management and how to get around it. One session: Noon-1:00 p.m. Free. To register, call 632-6715.

Women's History Month Discussion, "The Role of Campus Leaders in Eliminating Sexual Harassment." Panel from Student Judiciary, Affirmative Action, Campus Women's Safety Committee and The Women's Studies Program. 12:40-2:10 p.m. Stony Brook Union Bi-level. Call 632-9176.

Campus Life Time, Jig-saw Puzzle Contest. 12:40-2:10 p.m. Limited registration day of event. Indoor Sports Complex. Call 632-7168

Round Table Lifelong Learning Program, *Emma Lazarus*, Carol Kessner, assistant professor, comparative literature. 1:30 p.m. Room 102, Ward Melville Social & Behavioral Sciences. For reservations, call 632-7063.

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

Culture and Society in the Eighteenth Century Lecture Series, "The Depopulationist Delusion and the Political Personality in Enlightenment France," Carol Blum, professor, French and Italian. (Cosponsored by the Dept. of History Faculty Seminar on Eighteenth-Century Studies and The Humanities Institute.) 4:30 p.m. E-4341 Library. Call 632-7765 or 632-7513.

Union Crafts Center, Quilting. 7:00-9:00 p.m.; 6 Wednesdays. Learn the basic techniques of patchwork while designing a small wall piece. Materials fee \$10. Fiber Studio, SB Union. \$50/students; \$60/non-students. To register, call 632-6828/6822.

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.

Department of Music, Contemporary Chamber Players. New pieces by Stony Brook student composers. 8:00 p.m. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

Not a Love Story. A film about pornography and media violence. Discussion led by Marci Lobel, assistant professor, psychology. (Sponsored by Phi Sigma Sorority, Inc.) 8:00 p.m. Room 105, Javits Lecture Center. Free. Call 632-9176.



Union Crafts Center, Beginning Social Dance. 8:00-9:00 p.m.; 6 Wednesdays (1st session). Beginners through experienced dancers. Waltz, fox trot, rumba and more; no partner necessary. Room 036, lower Bi-level, Stony Brook Union. \$30/students; \$40/non-students. To register, call 632-6828/6822.

THURSDAY
MARCH 5

Flea Market. Bargains Galore! This Faculty Student Association sponsored market is open every Thursday. 8:30 a.m.-4:00 p.m. SB Union Bi-level. Call Michele, 632-6510.

Computing Services Workshop, "DISSPLA." Focuses on FORTRAN and its use in DISSPLA and how to create and run a DISSPLA file. Students should be familiar with FORTRAN before attending. 10:00 a.m.-noon. To register call 632-7795.

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

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

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

Computing Services Workshop, "XEDIT II." Focuses on the concept of targets and their use in moving through a file, as well as making changes within a file. Users should obtain an account on the IBM VM/XA system before taking this course. 1:30-3:30 p.m. To register, call 632-7795.

Chemistry Dept. Organic Chemistry Seminar. Miroko Masamune, Pfizer. 4:00 p.m. Room 412, Chemistry. Call 632-7880.

Protestant Ministries, Brown Bag Theology. 5:00-6:30 p.m. Interfaith Lounge, 157 Humanities. Discussion group. Bring supper. Call 632-6563. Every Thursday.

Union Crafts Center, Rag Weaving. 7:00-9:30 p.m.; 6 Thursdays. For beginners/intermediates who want to learn how to prepare rags and the techniques for rag rug weaving. Bring cotton, light wool or blue jean material. Materials fee \$10. Fiber Studio, Stony Brook Union. \$60/students; \$70/non-students. Call 632-6828/6822.

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

Department of Theatre Arts Presentation, Roosters, by Milcha Sanchez-Scott. A long-absent father returns to his Chicano family, prompting confusion, fiery conflict, humor, poetry, and miraculous transcendence. 8:00 p.m., Thurs., Fri. & Sat.; 2:00 p.m., Sun. Theatre One, Staller Center for the Arts. \$8; \$6/students and seniors. Call 632-7230.

FRIDAY MARCH 6

Computing Services Workshop, "Resume in WORD." Shows how to use the resume template. It is a pre-designed and formatted resume that only requires the user to "fill in the blanks." Create a resume from scratch using the ruler. 8:30-9:30 a.m. Preregistration required. Call 632-8050.

Computing Services Workshop, "dBASE." Introductory course designed to give exposure to the dot prompt commands. Uses dBASE III for hands-on instruction. 9:00 a.m.-noon. Preregistration required. Call 632-7795.

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

B'nai B'rith Hillel Foundation Services. 5:15 p.m. Roth Quad Dining Hall, lower level. Call 632-6565. Every Friday.

Toscanini Infant Center Potluck Supper: Celebrating Family. 6:00-8:00 p.m. Toscanini Infant Center, Point of Woods, Building B. Call 632-6933.



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

Staller Center Classical Music Series, "Midori, Violinist." Midori has thrilled audiences and critics alike with her poise, technique and interpretation. 8:00 p.m. Recital Hall, Staller Center for the Arts. \$20. Call 632-7230.

Department of Theatre Arts Presentation, Roosters, by Milcha Sanchez-Scott. 8:00 p.m. Theatre One, Staller Center for the Arts. \$8; \$6/students and seniors. Call 632-7230.

Stony Brook Fencing Club. 8:00-10:00 p.m. Indoor Sports Complex (dance studio). Textbook door prize drawing Mar. 10. Call 585-8006. Every Friday.

SATURDAY MARCH 7

New York State Science Olympiad. 9:00 a.m.-3:30 p.m. Pits high school students from L.I. school districts against each other in a test of science and engineering prowess. Various campus locations. Call Center for Science, Mathematics, and Technology Education, 632-7075.

B'nai B'rith Hillel Foundation Services, 9:30 a.m.: Orthodox service, Roth Quad Dining Hall, lower level; Conservative service, Roth Quad Dining Hall, 2nd floor (in kosher dining room). Services followed by Kiddush (light refreshments). Call 632-6565. Every Saturday.

The International Art of Jazz Presentation, "Lee Konitz Trio." This legendary jazz great was a prominent figure in the birth of the "cool" school of Jazz in the late 40's. 8:00 p.m. Recital Hall, Staller Center for the Arts. \$17.50; \$15.50/seniors; \$12.50/students. Call IAJ at 632-6590 or Staller Center Box Office at 632-7230.

Department of Theatre Arts Presentation, Roosters, by Milcha Sanchez-Scott. 8:00 p.m. Theatre One, Staller Center for the Arts. \$8; \$6/students and seniors. Call 632-7230.

SUNDAY MARCH 8

Department of Theatre Arts Presentation, Roosters, by Milcha Sanchez-Scott. 2:00 p.m. Theatre One, Staller Center for the Arts. \$8; \$6/students and seniors. Call 632-7230.

Department of Music, "Concert for Young Listeners." Features Prokofiev's *Peter and the Wolf* performed by the Stony Brook Symphony Orchestra. 4:00 p.m. Recital Hall, Staller Center for the Arts. \$4. Call 246-5224.

MONDAY MARCH 9

Computing Services Workshop, "Introduction to WORD." Introduces the user to the Macintosh as well as WORD 4.0. Create, bold, underline, delete, replace, cut and paste, spell check, etc. 8:30-9:30 a.m. To register, call 632-8050.

Computing Services Workshop, "Advanced LOTUS." Hands-on overview of database creation, selection and outputting. Basic and advanced macros are introduced. 9:00 a.m.-noon. Free. Preregistration required. Call 632-7795.

Computing Services Workshop, "DOS." Overview of hardware and hands-on training for the DOS commands. 9:00 a.m.-noon. Free. Preregistration required. Call 632-7795.

University Counseling Center Group Shop Workshop, "Introduction to Meditation." Techniques to enhance awareness, deepen concentration and manage stress more effectively through focused attention. Two sessions (March 16); Noon-1:00 p.m. Free. To register, call 632-6715.

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

Women's History Month, "Images of Women in Genesis 1 through 4," Ilona Rashkow, assistant professor, comparative literature. 2:00-3:15 p.m. Room 101, Javits Lecture Center. Call 632-7460.

CCET School of Continuing Education, "Intro to DOS." 6:00-8:00 p.m.; Mon./Wed. (through 3/18). For students with basic understanding of personal computers who want to learn more about utilizing the system. Room N-243, Ward Melville Social & Behavioral Sciences. \$105. To register, call 632-7071.

Village Cinema Film Series, The Emperor's Naked Army Marches On (1988, color, subtitled, 122 min.). A man, driven by a forty-year obsession, tries to find out why some of his WWII comrades were executed by their own commander. He is driven to the edge of madness by his strange crusade. 8:00 p.m. Theatre Three, 412 Main St., Port Jefferson. \$4; \$3.50/students, seniors and members of the Arts Council. (Cospponsored by the Humanities Institute, the Greater Port Jefferson Arts Council, and Theatre Three.) Call 632-7765, 928-9100, or 473-0136.

TUESDAY MARCH 10

Computing Services Workshop, "Introduction to ALL-IN-1." Introduces the use of ALL-IN-1 software running under VMS on the VAXcluster. Includes: accessing ALL-IN-1, User Setup, Electronic Messaging and basic ALL-IN-1 functions. 10:00 a.m.-noon. Preregistration required. Call 632-7795.

Third Annual High School Science and Engineering Fair. 10:00 a.m.-1:00 p.m. Annual

competition judged by USB faculty that features top science and engineering projects submitted by L.I. high school students. Stony Brook Union Ballroom.

Student Union & Activities, Vintage Clothing Sale. 10:00 a.m.-5:00 p.m. Fireside Lounge, SB Union. Call 632-6828.

Department of Psychiatry Grand Rounds. Arthur Stone, associate professor, Institute for Mental Health Research. 11:00 a.m.-12:30 p.m. Level 2, Lecture Hall 4, Health Sciences Center. Call 444-2988.

University Counseling Center Group Shop Workshop, "Study Skills." Concretize, discuss and apply a one-page "Study Self-Management Guide" that is designed to help participants develop more effective study habits. One session: Noon-1:15 p.m. Free. Preregistration required. Call 632-6715.

Computing Services Workshop, "TeX I." Introduces the terminology and concepts behind this typesetting language. Basics for formatting a double-spaced manuscript with 1 1/2" margins, footnotes, font changes and mathematical formulas will be discussed. 1:30-3:30 p.m. To register, call 632-7795.

Women's History Month, "Language and the Sexes," Frank Anshen, associate professor, linguistics. 2:30-3:50 p.m. Room 261, Psych A. Call 632-7777.

Physics Department Colloquium, "Violations of Locality & Classical Probability in Optical Interference," Leonard Mandel, University of Rochester. 4:15 p.m. Room P-137, Harriman. Call 632-8110.

University Counseling Center Group Shop Workshop, "Body-Mind Wellness." Explores the mind-body connection through the use of yoga, breathing techniques, and guided visualization. One session; 5:30-7:30 p.m. Free. Preregistration required. Call 632-6715.

University Counseling Center Group Shop Workshop, "Landscape of the Heart." Explores the subtle energies of the heart, gaining entrance to inner resources that help in healing ourselves and improving relationships in our lives. One session: 5:30-7:30 p.m. Free. To register, call 632-6715.

The Alternative Cinema at Stony Brook, True Love (1989, American, color, 100 min.). An exuberant account of an Italian-American wedding and its abundant fallout. 7:00 & 9:30 p.m. Stony Brook Union Auditorium. \$2. Call 632-6136.

University Distinguished Lecture Series, "Un-speakable Things Unspoken: Ghosts and Memories in African-American Women's Identity," Elizabeth Fox-Genovese, historian, author. (Cospponsored by the Office of the Provost and *Newsday*.) 8:00 p.m. Recital Hall, Staller Center for the Arts. Free. Call 632-7000.

Center for Women's Concerns Discussion, "Same Sex, Different Agenda: Women of Color and the Feminist Movement." 8:30 p.m. HQuad, D 120 Langmuir. Call 632-2000.

WEDNESDAY MARCH 11

Department of Pediatrics, Quarterly Staff Meeting. Attending staff only. 8:00 a.m. Level 3, Lecture Hall 6, Health Sciences Center. Call 444-2730.

Computing Services Workshop, "Vi Editor." Introduction to the UNIX editor Vi. Users should obtain an account on the HP-UNIX network before taking this course. 10:00 a.m.-noon. Preregistration required. Call 632-7795.

Student Union & Activities, Vintage Clothing Sale. 10:00 a.m.-5:00 p.m. Fireside Lounge, SB Union. Call 632-6828.

Computing Services Workshop, "Introduction to WordPerfect." Covers how to create, bold, insert, delete, move text, spell check, etc. Uses WordPerfect Version 5.1. 10:30-11:30 a.m. Preregistration required. Call 632-8050.

Student Union & Activities, Panel Workshop - "NAMES Project" AIDS Memorial Quilt.

11:00 a.m.-5:00 p.m. Bi-level, Stony Brook Union. Call 632-6828.

Department of Music Noontime Concert Series. Graduate student performances. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

Women's History Month Film, Positive Images: Portraits of Women with Disabilities. Discussion with Executive Producer Harilyn Rousso. 12:40-2:10 p.m. SB Union Room 236.

Campus Life Time, St. Patrick's Day Race Two Mile Tune Up. 12:40-2:10 p.m. Indoor Sports Complex. Call Intramural Dept., 632-7168.

"Career Prospects at Universities" Open House. Campus NOW and the Women's Faculty Association invite women students in all disciplines for conversation and refreshments. 12:40-2:10 p.m. Room 216, Ward Melville Social & Behavioral Sciences. Call 632-7695.

Humanities Institute's Ethnicity in the New America: The University of the Future Seminar Series. Carlos Hortas, Hunter College and member of the New York Task Force on Cultural Diversity. Multi-culturalism and education have been central concerns in his scholarship and his extensive community service. 4:30 p.m. Room E-4340, Library. Free. Call 632-7765.

Department of English Lecture, "War, Gender and Modernism," Susan Squier, associate professor, English. 5:00-6:20 p.m. Room 285, Humanities. Call 632-7413.

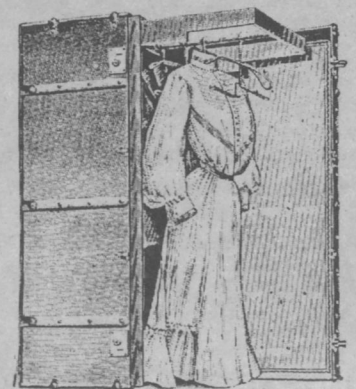
Department of Sociology Lecture, "Gender and Work," Nilufer Isvan, lecturer, sociology. 6:30-9:30 p.m. Room 137, Harriman. Call 632-7740.

Interfaith Center, "Women in Islam," Imran Hosein, Muslim chaplain. 7:30 p.m. Roth Cafeteria. Call 632-6565.

Department of Music, University Wind Ensemble. Bill Link, guest conductor. Features the works of Copland, Arnold, Siegmeyer, and Walton. 8:00 p.m. Main Stage, Staller Center for the Arts. Free. Call 632-7230.

THURSDAY MARCH 12

Computing Services Workshop, "SAS." Intro to SAS. Topics include: preparing a SAS program for a sample data set, performing numerical transformation and conducting simple statistical analysis, as well as accessing and creating external raw data files, portable SAS files and SAS system files. Some working knowledge of the IBM mainframe environment required. 10:00 a.m.-noon. Preregistration required. Call 632-7795.



Student Union & Activities, Vintage Clothing Sale. 10:00 a.m.-5:00 p.m. Fireside Lounge, SB Union. Call 632-6828.

Philosophy Lecture, "Education as a Precondition of Autonomy," Rita Nolan, associate professor, philosophy. 11:30 a.m.-12:50 p.m. Room 249, Harriman. Call 632-7570.

Political Science Lecture, "Voters' Support for Female Candidates," Virginia Sapiro, University of Wisconsin at Madison. 11:30 a.m.-12:50 p.m. Room 111, Javits Lecture Center. Call 632-7667.

University Counseling Center Group Shop Workshop, "Stress Management: Relaxing the Mind and Body." Noon-1:15 p.m. Free. Preregistration required. Call 632-6715.

CALENDAR



Political Science Colloquium, "The Dynamics of Support for Gender Equality in the 1990s," Virginia Sapiro, University of Wisconsin at Madison. 3:30-5:00 p.m. Room N-702, Ward Melville Social & Behavioral Sciences. Call 632-7667.

Institute for Social Analysis Panel Discussion, "The Feminist Movement and the New Right in the U.S." Nilufer Isvan, moderator. 4:30 p.m. Peace Center, Old Chemistry. Call 632-7709.

University Counseling Center Group Shop Workshop, "Foot Reflexology." Science of foot massage for health and well being. One session; 7:00-9:30 p.m. Free. To register, call 632-6715.

FRIDAY

MARCH 13

Computing Services Workshop, "Intermediate WORD." Class includes tables, footnotes, math, shortcuts, finding files, folders, page breaks and footers. Microsoft WORD 4.0 will be used. 9:00-10:00 a.m. To register, call 632-8050.

Computing Services Workshop, "DOS." Overview of hardware and hands-on training for the DOS commands. 9:00 a.m.-noon. Free. Preregistration required. Call 632-7795.

Computing Services Workshop, "dBASE." Introductory course designed to give exposure to the dot prompt commands. Uses dBASE III for hands-on instruction. 9:00 a.m.-noon. Preregistration required. Call 632-7795.

SATURDAY

MARCH 14

Intramural Department, St. Patrick's Day Race. 10:00 a.m. Indoor Sports Complex. Call 632-7168.

Staller Center Presentation, "Seiskaya Ballet." Annual BESFI benefit performance. 8:00 p.m. Main Stage, Staller Center for the Arts. For information, call Seiskaya Ballet at 862-6925. Limited number of tickets on sale at Staller Center, 632-7230.

SUNDAY

MARCH 15

U.S. Volleyball Tournament. 9:00 a.m.-5:00 p.m. Indoor Sports Complex. Call 632-7200.

Department of Music Organ Series. Featuring Eric J. Milnes, St. John's Church, Locust Valley. Harpsichord/organ concert of works by Bach, Buxtehude, F. Couperin and de Grigny. 7:00 p.m. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

MONDAY

MARCH 16

Last Day for removal of Incomplete and NR (no record) grades from the fall semester.

Computing Services Workshop, "LOTUS." Hands-on overview on creating a report from start to finish. 9:00 a.m.-noon. To register, call 632-7795.

Computing Services Workshop, "Advanced LOTUS." Hands-on session provides an overview of database creation, selection and outputting. Basic and advanced macros are introduced. 9:00 a.m.-noon. Free. Call 632-7795.

TUESDAY

MARCH 17

Computing Services Workshop, "LaTeX II." Course covers math and displaymath modes and equation environments; how to manipulate the defaults in LaTeX; resetting page dimensions, writing macros; how to hack style files; how to use tables of contents, figures and tables. 10:00 a.m.-noon. To register, call 632-7795.

Department of Psychiatry Grand Rounds, Case Conference Adult OPD. 11:00 a.m.-12:30 p.m. Level 2, Lecture Hall 4, Health Sciences Center. Call 444-2988.

Student Union & Activities, Plant Sale. 11:00 a.m.-4:00 p.m. Stony Brook Union Lobby. Call 632-6828.

Women's History Month Film, *The Artist was a Woman* (58 min.). Noon. University Art Gallery, Staller Center for the Arts.

Computing Services Workshop, "TeX II." Includes a discussion of hboxes and vboxes, the various modes of TeX and what they mean and an intro to macros and alignment. 1:30-3:30 p.m. To register, call 632-7795.

The Theatre Arts Dept. and the Smithtown Arts Council Presentation, *Kaleidoscope Lady*. Erika Spiewak performs her award-winning one woman play with songs. 5:00 p.m. Theatre III, Staller Center for the Arts. Call 632-7230.

CCCET School of Continuing Education, "Advanced WordPerfect 5.1 Module I." Merge, Sort and Select. T/Th, 6:00-8:00 p.m. (through 3/24). \$105. To register, call 632-7071.

Intramural Department, All-night Coed Volleyball Tournament. 6:30 p.m. Indoor Sports Complex. Call 632-7168.

Women's History Month Lecture, "The Childbirth Experience," Helen Lemay, associate professor, history. 6:30-8:30 p.m. Langmuir Fireside Lounge. Call 632-9176.

The Alternative Cinema at Stony Brook Double Feature. 7:00 & 10:00 p.m. *The Phantom of the Opera* (1925, American, silent, black & white, 80 min.). Classic tale of the disfigured composer who haunts the underground vaults of a Paris opera house. *The Bride of Frankenstein* (1935, American, black & white, 75 min.). This wild, Gothic concoction culminates in the spectacular laboratory creation of Frankenstein's mate - Lanchester with the lightning bolt hairdo. Stony Brook Union Auditorium. \$2. Call 632-6136.

Stony Brook Chamber Symphony Conductors' Concert. Jae-Hong Cho and Kye-Cheol Lee, conductors. Program features Mendelssohn's *Hebrides Overture* and Mozart's *Symphony No. 4 in C major* ("Jupiter"). 8:00 p.m. Recital Hall, Staller Center for the Arts. Free. Call 632-7230.

Center for Women's Concerns Discussion, "History of Gender Politics and the Right to Choose." 8:30 p.m. H Quad, D 120 Langmuir. Call 632-2000.

WEDNESDAY

MARCH 18

Office of Continuing Medical Education Symposium, "Current Issues in Pediatric Gastroenterology." 7:30 a.m.-4:30 p.m. Designed to provide health care workers with up-to-date information on such topics as Reye's Syndrome, liver transplantation, Hepatitis C, bile acid transport, and total parenteral nutrition. Level 2, Lecture Hall 1, Health Sciences Center. Free; preregistration advised. Call 444-2094.

Computing Services Workshop, "WordPerfect." Hands-on course provides an overview of the most frequently used tasks and commands. 9:00 a.m.-noon. To register, call 632-7795.

Computing Services Workshop, "DOS." Overview of hardware and hands-on training for the DOS commands. 9:00 a.m.-noon. Free. To register, call 632-7795.

CCCET School of Continuing Education, "Introduction to WordPerfect 5.1." 9:00 a.m.-noon (through 4/15). No prior computer experience necessary; keyboarding familiarity required. \$195, To register, call 632-7071.

Union Crafts Center Co-op, Pottery Sale. 11:00 a.m.-3:00 p.m. Stony Brook Union Lobby. Call 632-6828.

Student Union & Activities, Plant Sale. 11:00 a.m.-4:00 p.m. Stony Brook Union Lobby. Call 632-6828.



Department of Music Noontime Concert Series. Graduate student performances. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

University Counseling Center Group Shop Workshop, "What Is It To Be A Male? What Is It To Be A Man?" For Men Only. Explores the search for a workable male identity in a time of transition. One session: Noon-1:30 p.m. Free. Preregistration required. Call 632-6715.

University Counseling Center Group Shop Workshop, "Conflict Management and Effective Negotiations." Techniques for maximizing the number of alternatives and solutions will be discussed in detail. One session: Noon-2:00 p.m. Free. To register, call 632-6715.

Women's History Month, "Women in the Professions." 12:40-2:10 p.m. (Sponsored by PSI Gamma Sorority.) SB Union Auditorium.

Campus Life Time, Squash Mini Tournament. 12:40-2:10 p.m. Limited registration day of event. Call the Intramural Department, 632-7168.

University Counseling Center Group Shop Workshop, "Resume Writing: You Can't Afford to be Modest." Provides you with an outline to follow and tips to help prepare your first resume. One session: 3:00-5:00 p.m. Free. Preregistration required. Call 632-6715.

School of Social Welfare Lecture, "Lesbians and Lesbian Relationships," Robert Hawkins, allied health professions. 3:30-6:00 p.m. Level 3, Room 155, Health Sciences Center. Call 444-2139.

THURSDAY

MARCH 19

School of Continuing Education Professional Development Program, "Intercultural Communication Skills: Understanding Diversity in the Workplace." 8:30 a.m.-5:00 p.m. Focuses on self-esteem enhancement, perception of self and others, gender and communication styles, listening, negotiation and conflict management. \$275 (includes continental breakfast, parking fees, and course materials); preregistration required. Call 632-7071.

Computing Services Workshop, "Introduction to AIX/370." An introduction to the AIX/370 environment, UNIX based operating system. Students should obtain an account on the HP-UNIX network before taking this course. 10:00 a.m.-noon. To register, call 632-7795.

University Counseling Center Group Shop Workshop, "Study Skills." Concretize, discuss and apply a one-page "Study Self-Management Guide" that is designed to help participants develop more effective study habits. One session: Noon-1:15 p.m. Free. Preregistration required. Call 632-6715.

Computing Services Workshop, "SPSS." Intro to SPSS. Includes: preparing a SPSS program for a sample data set, performing numerical transformation and conducting simple statistical analysis, as well as accessing and creating external raw data files, portable SPSS files and SPSS system files. Some working knowledge of the IBM mainframe environment required. 1:30-3:30 p.m. Preregistration required. Call 632-7795.

Chemistry Dept. Organic Chemistry Seminar, Tohru Fukuyama, Rice University. 4:00 p.m. Room 412, Chemistry. Call 632-7880.

University Counseling Center Group Shop Workshop, "Hatha Yoga." Includes basic breathing techniques, mantrums and a discussion of alternative health practices. 7:00-9:00 p.m. (through May 7). Free. To register, call 632-6715.

Department of Music, Pops Concert. Featuring the works of Sullivan, Mascagni, Mozart and Khachaturian, with selections by Romberg, Lehar, Friml and Herbert. Solos by Lisa Pike, French horn; Rosa Santoro, lyric soprano; and Salvatore Santoro, dramatic tenor. 8:00 p.m. Main Stage Auditorium, Staller Center for the Arts. Free. Call 632-7330.

FRIDAY

MARCH 20

Computing Services Workshop, "WordPerfect." Hands-on course provides an overview of the most frequently used tasks and commands. 9:00 a.m.-noon. To register, call 632-7795.

Computing Services Workshop, "DataQuery." This hands-on course walks the user through query generation and execution. 10:00 a.m.-noon. To register, call 632-7795.

CCCET School of Continuing Education, "Intro to PC's and DOS." Noon-2:30 p.m. (through 5/29). Hands-on intro to the hardware, software, the disk operating system, as well as WordPerfect, Lotus & dBase IV. Room N-243, Ward Melville Social & Behavioral Sciences. \$245; preregistration required. Call 632-7071.

SATURDAY

MARCH 21

CCCET School of Continuing Education, "Advanced PageMaker Module II." Design & layout. 1:30-4:30 p.m. (ends 4/4). Six months experience or a formal intro course required. Room N-243, Ward Melville Social & Behavioral Sciences. \$155; preregistration required. Call 632-7071.

Saturday, March 21: Lacrosse vs. Providence. 2:00 p.m. Sports Complex. Call 632-7200.

MONDAY

MARCH 23

Spring Recess (through 3/27).

Computing Services Workshop, "Advanced LOTUS." Hands-on session provides an overview of database creation, selection and outputting. 9:00 a.m.-noon. Free. To register, call 632-7795.

Computing Services Workshop, "DOS." Overview of hardware and hands-on training for the DOS commands. 9:00 a.m.-noon. Free. To register, call 632-7795.

CCCET School of Continuing Education, "Introduction to Lotus 3.0." Explore basics of spreadsheet design. Hands-on exercises. Versions 2.01, 2.2 and Release 3 are supported. M/W, 6:00-8:30 p.m. (through 4/8). \$195; preregistration required. Call 632-7071.

TUESDAY

MARCH 24

Computing Services Workshop, "ALL-IN-1 WPS-PLUS Editor." Helps ALL-IN-1 users with document handling features of the WPS-PLUS editor. Includes rulers, highlighting, moving text, pagination, spell check and GOLD key editing functions. 10:00 a.m.-noon. To register, call 632-7795.

Department of Psychiatry Grand Rounds, "Biochemical and Molecular Studies of Opioid Receptors," Eric Simon, New York University. 11:00 a.m.-12:30 p.m. Level 2, Lecture Hall 4, Health Sciences Center. Call 444-2988.

American Association of University Women, "Women and Science." 7:30 p.m. Emma Clark Library, Setauket.

WEDNESDAY MARCH 25

Pediatrics Grand Rounds, "Enzyme Replacement in Gaucher's Disease," Norman Baron, National Institutes of Health. 8:00 a.m. Level 3, Lecture Hall 6, Health Sciences Center. Call 444-2730.

Computing Services Workshop, "Vi Editor." An introduction to the UNIX editor Vi. Users should obtain an account on the HP-UNIX network before taking this course. 10:00 a.m.-noon. To register, call 632-7795.

Department of Music Noontime Concert Series. Graduate student performances. Recital Hall, Staller Center for the Arts. Free. Call 632-7330.

THURSDAY MARCH 26

School of Continuing Education Professional Development Program, "Building an Effective Customer Service Environment." (Offered in cooperation with the Small Business Development Center at USB.) 8:30 a.m.-5:00 p.m. (2nd session, 3/27). Combines skill-building, group activities, role playing and video examples to show a powerful and exciting system for delivering exemplary customer service. \$275 (includes continental breakfast, parking fees, and course materials); preregistration required. Call 632-7071.

FRIDAY MARCH 27

The Poetry Center, "Taproots Women Read." 2:00 p.m. Room 238, Humanities. Call 632-7373.

Employee Relations Council Trip to the Metropolitan Opera, "The Marriage of Figaro." Leave 3:30 p.m. Administration Loop. \$49 or \$72, includes the bus. Call Cathy, 632-8300.



Chemistry Dept. Organic Chemistry Colloquium, "Organic Transformations Involving Organocobalt: Mechanisms and Synthesis," Peter Vollhardt, University of California at Berkeley. 4:00 p.m. Room C-116, Old Chemistry. Call 632-7880.

SATURDAY MARCH 28

CCCET School of Continuing Education, "Advanced PageMaker Module I." Drop caps, printing techniques, etc. 9:00 a.m.-1:00 p.m. through 4/11). 6 months experience or a formal intro course required. Room N-243, Ward Melville Social & Behavioral Sciences. \$175; preregistration required. Call 632-7071.

Men's & Women's Outdoor Track & Field Opener. 11:00 a.m. Sports Complex. Call 632-7200.

Staller Center Presentation, Long Island Philharmonic. Marin Alsop conducts a program including the works of Mozart, Harris and Stravinsky. 8:30 p.m. Main Stage, Staller Center for the Arts. For tickets, call the L.I.P. Box Office at 293-2222.

MONDAY MARCH 30

Classes resume.

CCCET School of Continuing Education, "Intro to DOS." 9:00 a.m.-11:45 p.m. (through 4/13). For students with basic understanding of

personal computers who want to learn more about utilizing the system. Room N-243, Ward Melville Social & Behavioral Sciences. \$105; preregistration required. Call 632-7071.

Computing Services Workshop, "WordPerfect." Hands-on course provides an overview of the most frequently used tasks and commands. 9:00 a.m.-noon. To register, call 632-7795.

University Counseling Center Group Shop Workshop, "Sex and AIDS: What are the Chances?" For Students Only. Discusses the ways of reducing fear and risk through education about safe sex. Participation is confidential. One session: 3:00-4:30 p.m. Free. Preregistration required. Call 632-6715.

Village Cinema Film Series, Mystery Train (1989, color, 110 min.). A comedy about two Japanese teenagers who travel to Memphis on a pilgrimage to Graceland, two women who share a room and an adventure, and three men on a spree. 8:00 p.m. Theatre Three, 412 Main St., Port Jefferson. \$4; \$3.50/students, seniors and members of the Arts Council. (Cosponsored by the Humanities Institute, the Greater Port Jefferson Arts Council, and Theatre Three.) Call 632-7765, 928-9100, or 473-0136.

Computing Services Workshop, "DOS." Overview of hardware and hands-on training for the DOS commands. 9:00 a.m.-noon. Free. Preregistration required. Call 632-7795.

TUESDAY MARCH 31

Computing Services Workshop, "Introduction to ALL-IN-1." Introduces the use of the ALL-IN-1 software running under VMS on the VAXcluster. Includes: accessing ALL-IN-1, User Setup, Electronic Messaging and basic ALL-IN-1 functions. 10:00 a.m.-noon. To register, call 632-7795.

Department of Psychiatry Grand Rounds, VA Substance Abuse. Larry Greenberg, associate professor, clinical psychiatry. 11:00 a.m.-12:30 p.m. Level 2, Lecture Hall 4, Health Sciences Center. Call 444-2988.

Career Women Network Luncheon. Dianne Rulnick, director, human resources. Noon-1:00 p.m. Stony Brook Union Ballroom.

CCCET School of Continuing Education, "Advanced WordPerfect 5.1 Module I." Merge,

Sort and Select. T/Th, noon-1:30 p.m. (through 4/9). \$105. To register, call 632-7071.

Tuesday, March 31: Baseball vs. Western Connecticut. 3:30 p.m. Sports Complex. Call 632-7200.

CCCET School of Continuing Education, "Advanced WordPerfect 5.1 Module II." Tables, Macros and Columns. T/Th, 6:00-8:00 p.m. (through 4/7). \$105; preregistration required. Call 632-7071.

The Alternative Cinema at Stony Brook, Johnny Guitar (1954, American, color, 112 min.). This offbeat feminist western pits an electrifying Joan Crawford against a shrewish Mercedes McCambridge in a story that seems a bizarre cross between melodrama and fable. 7:00 & 9:30 p.m. Stony Brook Union Auditorium. \$2. Call 632-6136.

American Women in Science, "The Foremothers of Science," Janice Koch. 7:30 p.m. Room 240, Math Tower.

Training & Personal DEVELOPMENT

Continued from page 16

3:00-4:00 p.m.
Right-to-Know Training, New Research Foundation Employees. HSC, (EHS). Contact Maureen Kotlas, 632-6410.

4:00-7:00 p.m.
Defensive Driving, Session 2 of 2. Dutchess Hall, Public Safety Department (PS). Contact Pat Termotto, 632-6350.

5:30-8:30 p.m.
Defensive Driving, Session 2 of 2. HSC, Room T.B.A. (HR). Contact Carol Manning, 444-2524.

7:00-9:00 p.m.
Hatha Yoga. Leader: Wendy Kasdan, (GS). Call University Counseling Center, 632-6715.

Friday, March 27

8:30 a.m.-5:00 p.m.
Building an Effective Customer Service Environment, Session 2 of 2, (CED/SBDC). Contact Pat Malone, 632-7071.

1:00-4:00 p.m.
The Manager's Rights When An Employee Just Says No, Clinician Leadership Conference, (SD/QA). Call Jean Mueller, 444-2937.

Monday, March 30

8:30-10:00 a.m.
The Heartsaver (CPR Lecture for Clinical Assistants), Orientation, (SD/QA). Contact JoAnn Schulz, 444-2939.

Noon
Communication Skills Part 2: Listening Skills Wellness Program's Stress Management Series. HSC, L-2, Room 273 (HR). Contact Cynthia Pedersen, 632-6136.

Tuesday, March 31

Radiation Safety Training for Nursing Personnel, Nursing Orientation, Time and Place T.B.A. (BM). Contact Jodi Strzelczyk, 444-3196.

9:00 a.m.-4:30 p.m.
Supervising New York State: The Introductory Program, Section C, Session 3 of 5, (HR). Call 632-6136.

10:00 a.m.-Noon
CPR Psycho-Motor Skills for Clinical Assistants, Orientation, (SD/QA). Contact JoAnn Schulz, 444-2939.

Noon -1:00 p.m.
Menopause-Fears, Facts, Myths, Wellness Program. HSC, (HR). Contact Cynthia Pedersen, 632-6136.

3:00-4:30 p.m.
Sex and AIDS: What are the Chances? (students only), Leader: Rachel Bergeson, M.D. (GS). Contact University Counseling Center, 632-6715.

EXHIBITS

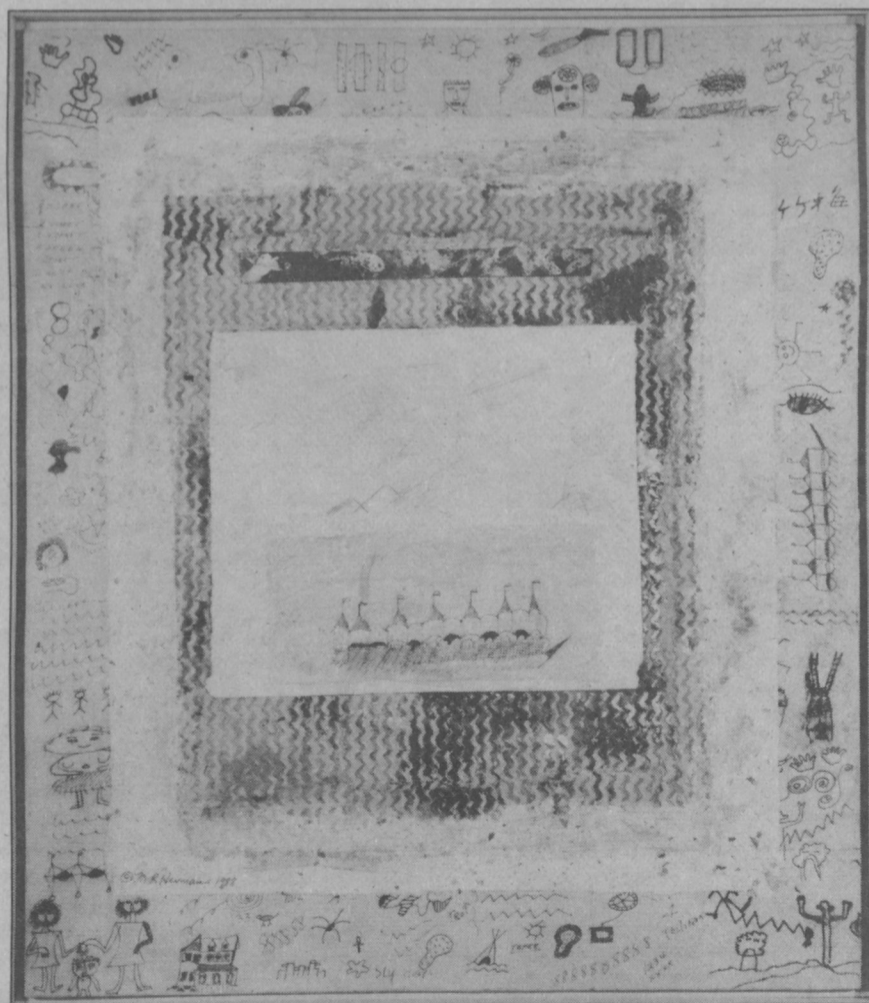
March 1-31: "Recent Women Authors." Book display. Frank Melville Jr. Memorial Library, near 3rd floor circulation desk.

March 1-31: Exhibit honors 1988 Nobel Prize winner, Dr. Gertrude Elion, research scientist in pharmacology. Administration Building Lobby.

March 2-14: "Ancient Dreams ... Soul Houses." Paintings by Mabi Ponce de Leon, MFA student. Mon.-Fri., noon-4:00 p.m.; reception: Mon., March 2, 4:00 p.m. Library Gallery, Frank Melville, Jr. Memorial Library.

Through March 5: "New York - Graff." Paintings by art students Isaac Rubinstein and Khalil Williams. Noon-5:00 p.m.; Mon.-Fri. Union Art Gallery, 2nd Floor, Stony Brook Union. Call 632-6822.

March 9-12: Employee Relations Council, "Fourth Annual Faculty & Staff Juried Photography Exhibition." Noon-4:00 p.m., Mon.-Thurs.; noon-5:30 p.m., Wed.; reception: Wed., March 11, 3:30-5:30 p.m. Alliance Room, Frank Melville, Jr. Memorial Library. Call 632-6107.



March 9-20: Women's History Month Exhibit, "Humour with Colours." Curated by Pura Cruz. Noon-5:00 p.m.; Mon.-Fri.; opening reception - Wed., March 11. 7:00 p.m. Union Art Gallery, 2nd Floor, Stony Brook Union. Call 632-6822.

March 31-April 2: NAMES Project AIDS Memorial Quilt Display. Each 3 x 6' panel is made by a friend, lover or family member. It includes panels from all 50 U.S. states and 26 other countries. Indoor Sports Complex. Free and open to the public. For information, call 632-6339.

Humor in Art

Humor is a defense mechanism, a way of coping, a safety valve for the oppressed — and an agent of creativity. The Union Art Gallery will present "Humour with Coulours," an exhibition of the work of nine women artists, curated by Pura Cruz. The show, in celebration of Women's History Month, will run from Monday, March 9 through Thursday, March 19.

Featured artists are:

Miriam Cassell, "She Walks in Peace." Cassell's standing installation presents the lower half of a female mannequin, topped with a birthday cake.

Naomi Grossman, constructions. Wire-and-paper figurative constructions debunk the "superwoman" myth.

Mildred Hermann, "Tablet." Mixed media and calligraphic marks convey aesthetic, historical and cultural associations.

Frances Jacobson, "Renna Hugging David." This realistic painting expresses a fleeting moment of warmth and openness, in softly muted colors.

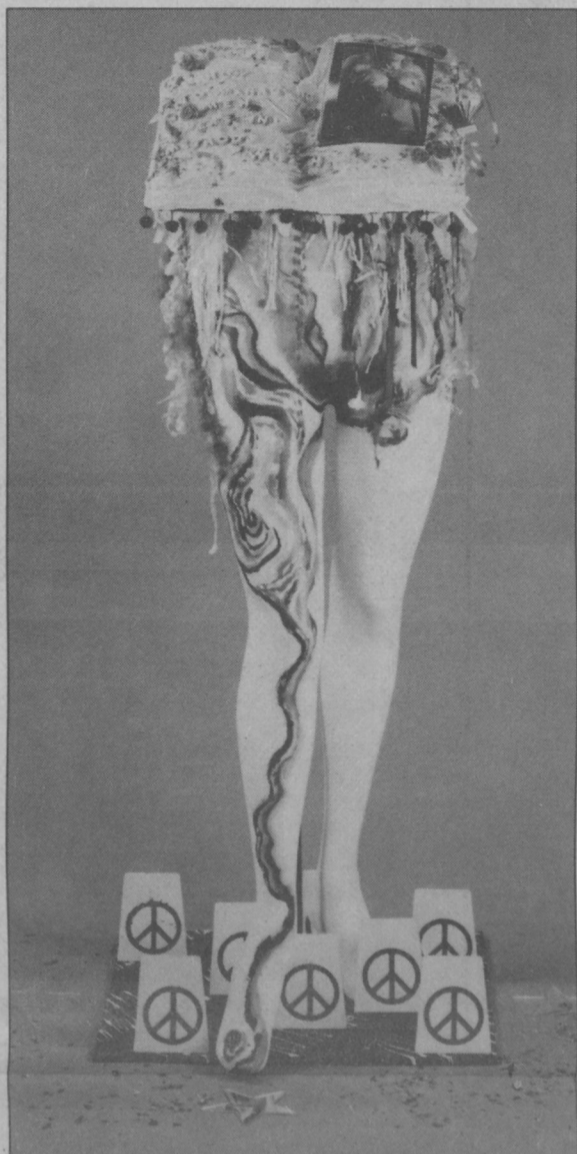
Ora Lerman, "Tree Goddess Saves New York From Acid Rain." Lerman is recent winner of the *Reader's Digest* "Artist at Giverny" Grant. Her painting is animated, vivid and sculptural.

Carole Roberts, drawings. Roberts' distinctive, wiggly creatures derive from her cartooning experience, joining whimsy with strong feeling.

Mena Romano, "Hangin." Romano's construction includes a pair of hands encased in a clear, plexiglass altar.

Alice Sawyer, collage, wryly questions society's obsession with body image.

Sheila Sporer, theatre boxes. These works depict a darkly encased world of



Miriam Cassell's "She Walks in Peace," mixed media construction, in the Union Art Gallery.

intrigue, humor and emotion.

The opening reception will be held Wednesday, March 11, at 7 p.m. in the gallery. The Union Art Gallery, on the second floor of the Stony Brook Union, is open Monday through Friday, noon to 5 p.m. For additional information, call 632-6822.

Dreams and Images of Childhood

"Ancient Dreams...Soul Houses," an exhibition of art by Mabi Ponce de Leon, opens at the Library Gallery on Monday, March 2. The exhibition runs through Friday, March 13.

Ponce de Leon is a candidate for the MFA degree at Stony Brook. This is her thesis show, and it features large oil paintings and prints that focus on surreal images from childhood and dreams. Larger-than-life, colorful fish swim through imaginary water. The water contains vessel-like structures that are actually architectural floor plans of churches or theatres. These hover and float, allowing the fish to enter the "soul houses" or swim through them. According to the artist, the fish are "associated with spirituality," and the building plans, "allude to a search for spirituality in one's daily life."

"I see my work as a place to house my spiritual feelings...those which I cannot describe with words, but only with sensations. The works, like dreams, tell of extraordinary journeys...epics without plots, involving soul and its 'housing.'"

The opening reception, is Monday,



"In the Theatre of the Soul," by Mabi Ponce de Leon, oil on canvas, in the Library Gallery.

March 2, at 4 p.m. The gallery is on the second floor of the Frank Melville Jr. Memorial Library. For additional information, call 632-7240.



Midori performs at the Staller Center for the Arts on Friday, March 6, at 8 p.m. This world-famous violinist, now 20 years old, has already established herself as one of the violin greats of the century. Sold out.

University Wind Ensemble and Orchestra Concerts Coming

The University Wind Ensemble and University Orchestra are offering free concerts during March at the Staller Center for the Arts. Both the Wind Ensemble and the Orchestra are spirited ensembles of trained Stony Brook and community musicians, directed by Maestro Jack Kreiselman, lecturer in the Department of Music.

The University Wind Ensemble will perform at the Staller Center on Wednesday, March 11, at 8 p.m. Bill Link and Richard Faria will be guest conductors.

On the program are Copland's "Outdoor Overture," Arnold's "Duke of Cambridge March," Siegmeyer's "Prairie Legend," Walton's "Fanfare and Scotch Rhapsody," Vaughan William's "Sea Songs," and highlights from *The Sound of Music* by Richard Rodgers.

The University Orchestra, under the baton of Jack Kreiselman, will present a "Pops" concert on Thursday, March 19, at 8 p.m. on the Main Stage of the Staller Center. The program will include the overture to *H.M.S. Pinafore* by Sullivan; and Mozart's Horn Concerto No. 4 in E Flat, Lisa Pike, soloist. Also featured will be Khachaturian's *Gayne Ballet: Suite No. 1* and Mascagni's "Intermezzo" from *Cavalleria Rusticana*.

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

Expressionist/Minimalist Exhibition

Recent works by expressionist and minimalist artist, Julius Tobias, will be on display at the University Art Gallery in the Staller Center for the Arts, Saturday, March 7 through Saturday, April 18. An opening reception for the artist will be held on Friday, March 6, from 6:30 p.m. to 8 p.m.

Organized by guest curator Mel Pekarsky, professor of art, the show includes large-scale paintings, sculptures, drawings and prints, mostly from the past decade.

A prominent and influential sculptor and painter for the past 40 years, Tobias has recently focused on socially-conscious

imagery. Art critic April Kingsley, whose essay, "Julius Tobias: A Boulder in the Mainstream," is included in the exhibition catalogue, writes, "Nothing from this artist is ever easy to take and, for him, nothing is or ever was easy, either."

Tobias' visions of death in his "Wall," "Pile" and "Stacking" paintings of the 1980s reflect the horrors of mass destruction in the 20th century. The steel maquettes such as "Interior Space," 1983-84, are small-scale versions of the large installations of denied access that Tobias exhibited in New York City galleries in the 70s.

Jazz Saxophonist Coming to Staller

Alto saxophonist Lee Konitz, a living legend in the jazz world, will perform at the Staller Center for the Arts on Saturday, March 7, at 8 p.m., as part of the International Art of Jazz Premier Series for 1991-92.

Konitz is considered one of the enduring revolutionary leaders of jazz. Prominent in the creation of the "Cool School" of jazz in the late 40s, his playing evolved into a distinctive style, particularly known for its improvisation, lyrical delicacy and melodic inventiveness. He studied under pianist Lennie Tristano and recorded with Miles Davis on the classic *Birth of the Cool* album. He has toured extensively around the world, performing, recording and teaching. One project in recent years took him to Brazil to record *Lee Konitz in Rio* (M-A Music), with a Brazilian rhythm section. Now 65 years old, he began his performance career at 15.



Lee Konitz

Tickets are \$17.50; \$15.50 for seniors and \$12.50 for students. For tickets and further information, call 632-6590.