

ALMANAC

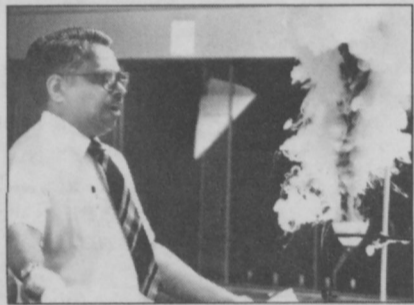
Robert L. Lichter will become executive director of the Camille and Henry Dreyfus Foundation.

2

NEWS

SUNY Lab has become the center of an exhibit at Intrepid Sea Air Space Museum. Previously, it was submerged in Smithtown Bay for 11 years.

3



FOCUS

Dr. C.V. Krishnan brings the excitement of chemistry to area high schools with a traveling laboratory.

4

Dr. Joseph Rukeyser is one of the few area health educators who specializes in AIDS education.

5



THIS MONTH

Joel Cohen directs the Boston Camerata, which will perform March 4 at the Staller Center for the Arts.

8

In a wide range of outreach programs, USB faculty stimulate the curiosity and imagination of Long Island's youth.

Two Programs Help Reduce Dropout Rate

Antonia Clark, a USB senior, tutored students at risk of dropping out of Brentwood High School last semester and will soon student teach teens in a similar situation in Wyandanch.

"I tried to boost their self esteem," Miss Clark said of the Brentwood students. "I went in with the attitude, 'You can do it.'"

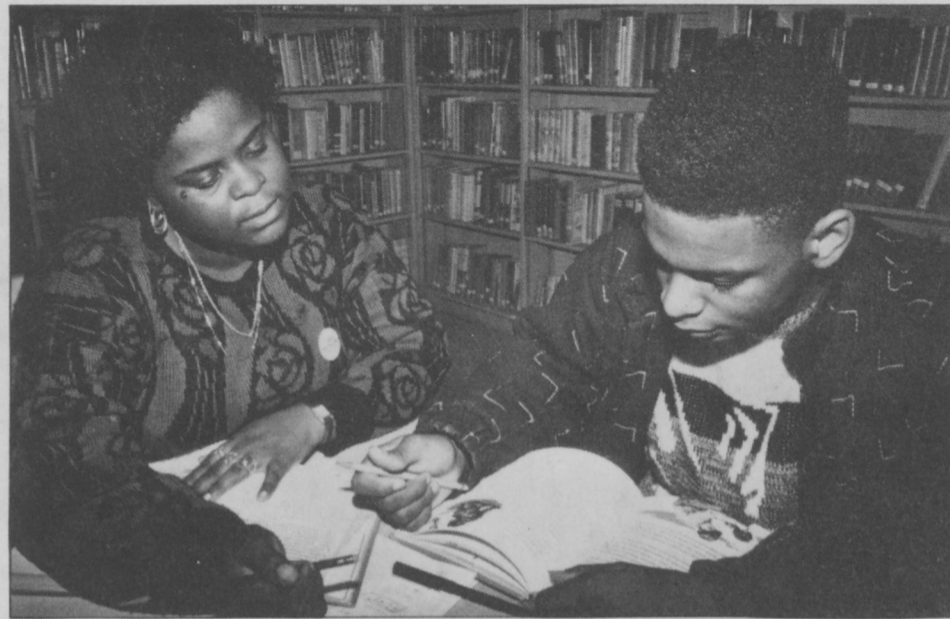
Ms. Clark is one of 34 USB students who tutor at-risk students in four Long Island school districts each year as part of the university's Suffolk Partnership Program. She is also one of about 26 students in the university's Teacher Opportunity Corps who go on to student teach at-risk high school students.

Each year, the university places undergraduate and graduate tutors and social work interns in Brentwood, Wyandanch, Patchogue-Medford and Longwood School Districts. The tutors visit the schools twice a week and work with students on a one-to-one basis or in small groups on basic skills, including reading, math, social studies and writing. In its third year, the program is funded for \$200,000 annually by the state Education Department.

Edythe Welch, coordinator of health, psychological and social work services for the Brentwood School District, said the tutors have been an integral part of its Attendance Improvement Dropout Prevention program.

"At least half of the students are doing significantly better" than without the tutoring, Mrs. Welch said of the 40 students who have been tutored.

She said part of Brentwood's program is trying to get the students to attend school regularly. But once they're in school,



Antonia Clark, USB senior, tutors Wyandanch HS student John Robinson, an 11th grader, in his classroom, as part of USB's Suffolk Partnership Program. Photo by Ed Bridges.

many are behind academically. "The program helps them pass once they get back to school," she added.

A.W. Godfrey, director of both programs at USB, said two spinoff programs have resulted from the Partnership program. Professor Godfrey teaches a course in the School of Continuing Education, "Teaching At-Risk Students," which has enrolled 40 students this year. He also supervises two undergraduate college courses - English 101 and Psychology 103 - taught by USB graduate students in Wyandanch for 30 teacher aides.

The Teacher Opportunity Corps trains

USB students in the university's teacher certification program to teach students at risk of dropping out. Part of the program involves recruiting and training minority students to become teachers. This program, in its first year, is funded by the state Education Department for \$80,000.

Marlene Huie, assistant principal at Wyandanch High School, said the USB students "have made a difference" in the high school students' lives. "Some have passed tests as a result of their assistance," she said, adding that 50 of the 700 students at Wyandanch High School are considered at-risk.

■ Wendy Greenfield

Center Provides Assistance in Science, Math Education

For several years, educators have been sounding the alarm as elementary and secondary schools report a shortage of science and mathematics teachers. Coupled with the shortfall is an overall decline in the quality of math and science programs in the U.S.

The University at Stony Brook's Center for Science, Mathematics and Technology Education has stepped in to help. Established in 1985, it presents courses, workshops and special events for high school/secondary school teachers and students.

Center director Lester Paldy estimates that 1,000 students and 500 teachers pass through its doors each year. "We'd like to be the primary contact point for people or organizations in need of assistance in science, math or technology education," he says.

Programs are conceived and staffed by university faculty, in addition to active and retired teachers. The center encourages their input. "We see ourselves as providing intellectual venture capital

for people who want to do interesting things," Professor Paldy explains. "If a teacher wants to start a project, we'll give them a desk and secretarial support at the center, and encourage them to apply for grants."

One of the center's most recent efforts is the Student Research Support Program. The program teaches high-achieving high school students how to conduct research in mathematics, physical sciences and biology. This year (the program's first), 500 students from 34 schools in Nassau and Suffolk counties assembled on campus for one-day "briefings" on topics in the scientific area of their choice. Students also met informally with USB faculty and graduate students, and were given library privileges at the university. Still to come is a "poster session" to be scheduled for sometime this spring. "We'll invite the students to campus, to present their research through posters and short talks," says Professor Paldy. "We'll also ask them for abstracts of their work, to be published in a document that we'll

distribute among the participants."

This year the Center received a \$133,000 grant from the National Science Foundation, to support its series of one-day seminars for Long Island high school science teachers. "They're intensive sessions that bring teachers up to date in their fields. They also provide an opportunity for our faculty to meet and talk with teachers, and share ideas," says Professor Paldy.

In the works is the annual "Science Olympics," scheduled this year for March 18. A statewide competition for high school students, it is co-sponsored locally by the center and the Suffolk County Science Teachers Association and held on campus. The event draws close to 500 Long Island students, says Professor Paldy.

Beyond Long Island, the center is reaching out to students in the northern Bronx. It's developing a program to bring junior high school students from a school

continued on page 5

To Our Readers:

What's going on with Currents?

We suspect that question has occurred to at least a few of our readers over the last several months. We've changed the look of the paper. We've shortened the name. We've occasionally thrown in some extra pages.

But in this issue, we've gone a step further. We've added a new feature—"This Month"—and we've dated the issue as though it were a monthly publication, rather than a weekly. (Take a look at the upper left-hand corner.)

Time to explain.

Up to this point, Currents has been exclusively an internal publication, geared chiefly toward faculty and staff. Yet much of what is reported in Currents is of potential interest to others in the Stony Brook "family," including students, parents of students, alumni, friends in the community, spouses and children of faculty and staff, and our colleagues on other SUNY campuses (to name a few).

To send Currents every week to such a diverse and far-flung readership would be unwieldy. Therefore, we have created a monthly edition which aims to provide both a longer-range perspective on upcoming events and more in-depth reports on timely subjects (such as school partnerships, our "focus" in this issue). Subscriptions to the monthly edition will be made available at the beginning of the 1989-90 academic year.

The monthly edition, which will always be published on the last Wednesday of each month, will be distributed both on and off-campus. On-campus readers will continue to receive Currents Weekly Update—carrying news, notices and a comprehensive listing of the coming week's events—each Wednesday that classes are in session.

Coming in April

For our next monthly issue, we will focus on a range of initiatives underway at USB to strengthen the undergraduate experience. While we have a number of stories planned, we will appreciate any suggestions or ideas that our readers might have on the subject.

ON the same score, we recognize that our focus on school partnerships in the current issue scratches the surface of the university's total involvement with the schools. If you are involved or aware of any initiatives we might have overlooked, please contact Dan Forbush, editor, 322 Administration Building. We will continue our reporting on this subject in the next month's issue.

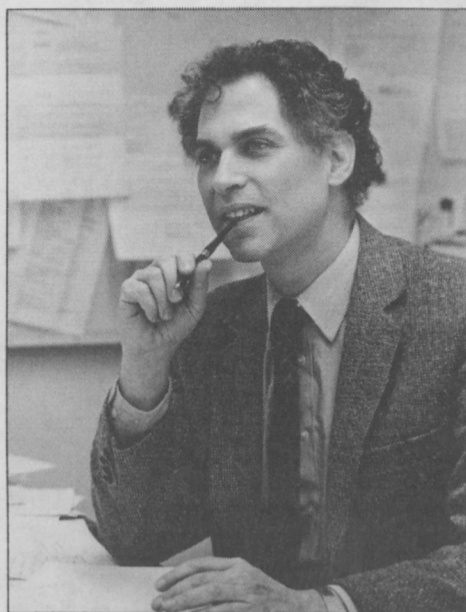
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ALMANAC

KUDOS



Robert L. Lichter Photo by Sue Dooley.

Robert L. Lichter, vice-provost for research and graduate studies, will become executive director of the Camille and Henry Dreyfus Foundation Mar. 1.

Dr. Lichter will administer the Manhattan-based foundation's programs that support research and education in chemistry, chemical engineering and related sciences.

His pending departure was announced to the university community by President John H. Marburger at a Senate meeting Feb. 6. Speaking on behalf of the campus, Dr. Marburger wished Dr. Lichter "every success in his new venture."

Prior to joining USB in 1986, Dr. Lichter was regional director of grants at the Research Corporation. From 1970 to 1983, he was a professor of chemistry at Hunter College, serving as chairman of its department of chemistry from 1977 to 1981.

"Stony Brook is unquestionably an exciting place to be," said Dr. Lichter. "My experience here has been extraordinarily educational and in many aspects, quite rewarding. The move to Dreyfus affords an opportunity to address some intriguing challenges, not only in the support of research in the chemical sciences, but also in how the science itself may be perceived and used in the larger arena."

Provost Jerry Schubel said of Dr. Lichter, "Bob has had a major and enduring impact on the university across the full spectrum of graduate studies and research activities. His contributions to our graduate students and to enhancing the university's initiatives to recruit and retain minorities are particularly notable. We shall miss him."

Allen P. Kaplan, chairman of the Department of Medicine, the University at Stony Brook, has been named president of the American Academy of Allergy and Immunology, the leading professional organization for allergists and clinical immunologists with a membership of about 4,000.

In addition, Dr. Kaplan announced that the allergic disease center of the Department of Medicine is being given \$288,000 by the National Institute of Allergy and Infectious Diseases for the first

year of a five-year cycle. One of only 13 allergic disease centers in the country, the USB center received \$150,000 a year in the previous five-year cycle.

A research program of the Division of Allergy, Rheumatology and Clinical Immunology, the interdisciplinary center includes researchers from the departments of infectious diseases, pulmonary diseases and pathology.

The grant will fund research in six different areas pertaining to the formation of hives, swelling, chronic inflammation, asthma and chronic lung disease, Lyme disease and cryoglobulinemia.

BRIEFS

Allied Health Offers Summer Study Trip To Australia

The School of Allied Health Professions is offering a 19-day summer trip to Australia this summer in conjunction with Curtin University of Technology in Perth, Western Australia, and Cumberland College of Health Sciences in Lidcombe (Sydney), New South Wales.

The trip will include visits to health care facilities and colleges as well as discussions with allied health practitioners. Two graduate credits can be earned for participating in this program and completing additional academic requirements.

Reservations with a \$300 deposit are expected no later than Tuesday, March 7, with the balance of \$2,450 due by Apr. 1. This fee covers all air travel, local transfers, accommodations, breakfasts, overseas health insurance and cultural events. Academic fees are extra.

Another group of USB allied health students will spend five weeks studying physical and occupational therapy in Western Australia, working in clinical settings, in what Dean Edmund J. McTernan says will be an ongoing relationship between schools. A group of Australian students will come to USB the following summer.

Edmund J. McTernan, dean of the School of Allied Health Professions will receive an honorary degree from Thomas Jefferson University in Philadelphia in September. The honor will be conferred at the opening exercises marking the 20th anniversary of the establishment of its College of Allied Health Sciences in September.

"We feel this would be a fitting occasion to recognize your lifetime of accomplishments in nursing and allied health," said Lewis W. Bluemle, Jr., president of Thomas Jefferson University, in informing Dr. McTernan of the award.

For further details, contact Ellen Hope at the School of Allied Health Professions, 444-3224.

All P.A. Grads Pass State Boards

One hundred percent of the 1988 graduates of the physician assistants program in the School of Allied Health Professions passed the exam given by the National Commission on Certification of Physician Assistants.

The median score attained by the 29 USB graduates was 553, compared to the median score for all those who took the test of 490. Only two other schools of the 48 who offer physician assistants programs outperformed USB.

New York does not require certification, but does require graduation from an approved program and licensing. In addition, a physician assistant must work for a physician or a hospital.

Congratulations, too, to 96 percent of the physical therapy graduates who passed their state examination. This achievement ranks USB second from the top of all physical therapy programs.

One graduate out of 23 did not pass and can take the exam again. Three programs tied for first with 100 percent passing the test, but the next lowest program had only 86 percent passing.

New York is the only state to give a



Officers Cited: Five USB Public Safety officers were honored recently for outstanding performance in the line of duty during 1988. The medal winners, here with Acting Public Safety Director Richard Young (right) and President John H. Marburger (second from right) are (from left) Jennifer Roberts, Steve Hellman, Suzanne Benedetto, Kevin Wamsganz and Steve Streicher. Photo by Ed Bridges

CURRENTS

WEEKLY UPDATE FEBRUARY 22

Study Urges Change in U.S. Math Education

USB Professor Part of The Revamping Effort

The U.S. is raising a generation of people who are mathematically ill-equipped to function in the workplace or to continue their educations, says a report released last month by the National Research Council (NRC), the research arm of the National Academy of Sciences and the National Academy of Engineering.

Ronald Douglas is working to change all that.

Dr. Douglas, Stony Brook's dean of physical sciences and mathematics, had been involved in the drafting and review of the report, which was three years in the making.

"I represented the interests of the collegiate and research committee," he noted. Dr. Douglas is a member of two of the three NRC committees responsible for the report—the Committee on Mathematical Sciences in the Year 2000 and the Board on Mathematical Sciences. (The third committee was the Mathematical Sciences Education Board.)

The report addressed mathematics education from kindergarten through college. Among its conclusions were:

- The "lecture and listen" approach used by most math teachers "is ineffective at all levels," says Dr. Douglas. "It doesn't engage or interest students."

- Three out of four students leave high school without the math skills needed to meet job demands, forcing industry to retrain workers. "This is extremely costly, and not very effective," notes Dr. Douglas. "We need to raise the underlying level of skills being taught."

- Though only 15 percent of entrants to the labor force by the turn of the century will be white males, "math and math-based subjects are still the province of the white male," Dr. Douglas says.

- Students need to be taught not only the basics, but a completely new way of thinking mathematically. "Mathematics is more than counting, more than arithmetic, algebra and geometry," says Dr. Douglas. "We need to teach students to think mathematically at an early age, to see mathematical relationships. Also very important is the need to teach them that mathematics can be used to solve practical problems in the real world."

How to make changes? The question "is not an easy one to answer," Dr. Douglas reflects. "There are 16,000 school districts in the United States and 2,500 colleges and universities. We're up against the decentralized nature of the American school system."

But there's hope. "This report was not prepared by a group that makes recommendations and then goes out of business," asserts Dr. Douglas. "Those involved see it as a declaration of work in progress."

Among changes already in the works are the formulation of new standards, to be issued next month by the Mathematical Sciences Education Board, for mathematics education for grades kindergarten through 12. Also planned, reports Dr. Douglas, is a packet of

materials to be distributed to every parent-teacher association in the country. The effort will be sponsored by the National Science Education Board.

"We want to stimulate direct partnerships between parents and teachers," he says.

Himself a national leader in the reform of calculus teaching, Dr. Douglas is overseeing a number of changes in math education on this campus. Efforts here

include a small pilot project, headed by Dr. Dusa McDuff, a professor in the Department of Mathematics, to integrate computers into undergraduate calculus courses.

Stony Brook is also exploring new ways to teach pre-calculus, says Dr. Douglas, "to help students jump that hurdle between high school and college math."

"We also train a lot of Long Island high school math teachers," he continues. "We offer courses through our School for Continuing Education, we sponsor workshops and courses through our Center for Science, Mathematics and Technology Education, and we're working to expand our role as a source and a resource for high school teachers."

■ Sue Risoli



Now a Museum Piece, SUNY Lab To Get New Educational Mission

An underwater laboratory constructed by USB engineering students nearly 20 years ago — is once again helping people gain a better understanding of the marine environment.

The six-ton cement SUNY lab is at the center of a new, permanent display entitled "Undersea Frontier" at the *Intrepid* Sea Air Space Museum in New York City.

SUNY Lab was pulled from Smithtown Bay and transferred by barge to the retired aircraft-carrier-turned-museum at Pier 86, 46th Street and 12th Avenue on the Hudson River. Aired, scrubbed clean of 11 years of marine growth and painted bright yellow, SUNY Lab helps explain why and how humans go underwater.

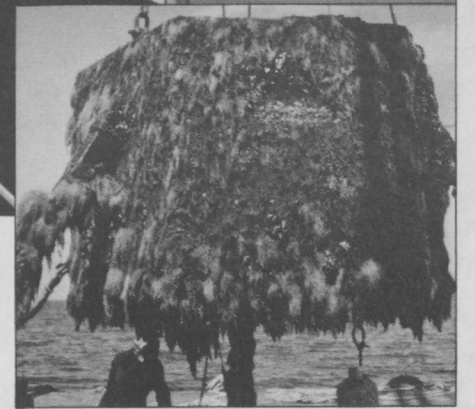
"We're unique in that we're one of the first museums on the East Coast to do a major exhibit on undersea technology," says Jerry Roberts of the *Intrepid*. "SUNY Lab was the beginning. It got me started as a diver." Several staff members have since

been trained as divers to explore the thousands of wrecks at the bottom of the Sound and expand the museum's exhibit.

The museum built its exhibit around the underwater habitat to include diving equipment, old and new, artifacts from shipwrecks, portholes, and fish swimming in tanks for atmosphere. A TV monitor shows news broadcasts explaining how SUNY Lab was hoisted out of the Sound and transported to the *Intrepid*.

Designed to operate at depths of 40 feet, SUNY Lab was built under the direction of Herbert Herman, professor of engineering, to permit underwater observations for several hours at a time for two or three people breathing air. It was used by Stony Brook marine science students to observe an artificial reef of car tires and to obtain baseline data and water samples during the late 1970s and early 1980s.

A national landmark, the *Intrepid* was rescued from destruction by a private



SUNY Lab sits at the center of an exhibit on undersea exploration at the *Intrepid* Sea Air Space Museum in Manhattan. Inset is photo of the lab as it looked when it was pulled up from the bottom of the Long Island Sound after 11 years in Smithtown Bay.

group of citizens who raised money to preserve it and turn it into a museum which opened in 1982. The aircraft carrier was hit by kamikaze pilots many times during World War II and was used in the 1960s to recover astronauts.

Some 500,000 visitors, including 35,000 school children, come to the *Intrepid* each year. Open from 10 a.m. to 5 p.m. Wednesday through Sunday, the museum charges \$4.75 admission for adults and \$2.50 for children ages 7 through 11. Admission is free for those under age 6.

■ Tamar Asedo Sherman

SCHOOL PARTNERSHIPS

Professor Serves as Catalyst to Spark Curiosity in Young Students

The Department of Chemistry at the University at Stony Brook is out to capture the minds and imaginations of youngsters on Long Island with puffs of smoke and magical demonstrations of chemical interactions.

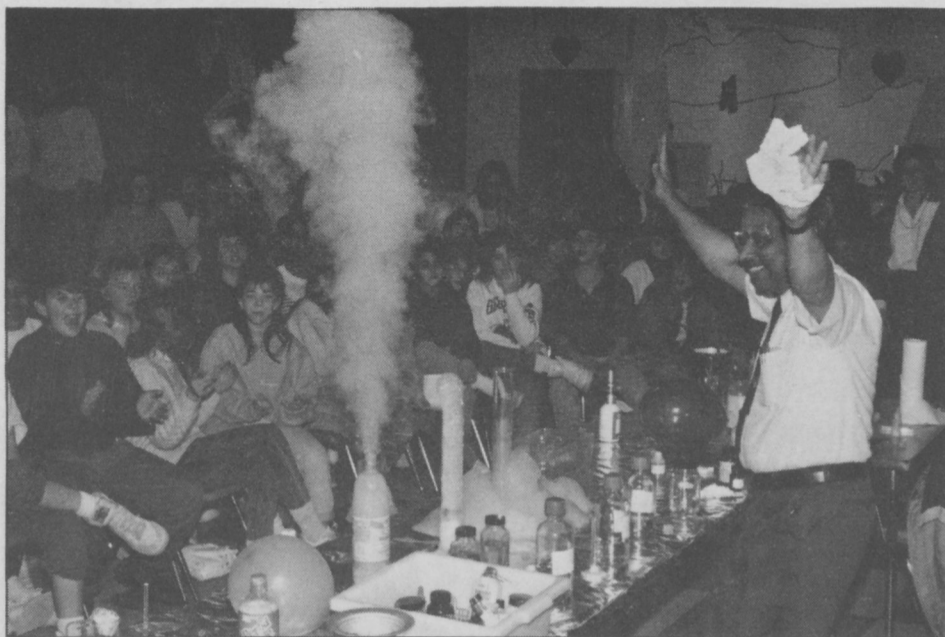
American students are not interested in science in the same proportion as students from other countries, who flock to the US to study their chosen fields. Foreign students comprise 50 percent of the student body in the various sciences.

To counteract this trend, the Department of Chemistry is supporting an outreach worker, C.V. Krishnan, a chemistry teacher at East Islip High school and adjunct professor of chemistry at USB. He has devoted himself to improving science education since he came to Stony Brook as a post-doctoral student from India more than 20 years ago.

"Lack of preparation of teachers is the reason more students don't pursue chemistry," he says. With a new state requirement for children to pass a science competency test, this year, elementary school teachers are being forced to teach science.

Never fear, Dr. Krishnan is here to help. He introduced a course in teaching chemistry for elementary school teachers, which attracted 25 teachers for evening classes last semester. "I feel it is the responsibility of the university to help chemistry teachers elsewhere," Dr. Krishnan says.

To accomplish his goal, he gives up his planning period and his lunch period, compresses all his classes into the morning hours in order to be available every afternoon at the Chemical Education Resource Center which he established in



Dr. Krishnan performing an experiment for a high school class. Photo by Ed Bridges.

room 406 of Stony Brook's massive chemistry building.

The resource center caters to the needs of science teachers and students in elementary, middle and high school programs. "We are here for the professional development of teachers and for fostering excellence in students," according to Dr. Krishnan.

He takes his "Magic of Chemistry" show on the road, visiting at least one school a week from East Hampton to New York City. He captures their attention with effervescent mixtures and liquids that change color when you shake them. He pours steaming cold liquid nitrogen all over the floor, only to have it disappear in seconds, then tosses out snowballs of dry

ice, insisting the young students in the audience play a fast game of hot potato so their skin doesn't freeze.

You can bet he gets their attention when he asks for the biggest, strongest student in the seventh grade to help him. Swaggering down the aisle, the youth who is unanimously selected cannot pull apart two discs being held together only by air. Yet Dr. Krishnan separates them with ease — once he releases the pressure between them.

Dr. Krishnan infects hundreds of students with his enthusiasm at each demonstration, which he targets for the appropriate level, from elementary through middle or high school. If they won't come to him, he goes to them.

Center

continued from page 1

district there to campus, to work with and learn from researchers at USB's Marine Sciences Research Center.

The center is also gearing up for "Stuyvesant at Stony Brook". The Stuyvesant Summer Institute Program, founded by New York City's academically renowned Stuyvesant High School, has selected the center as host for this year. "It combines the fun of a summer camp with the intellectual excitement of living and studying at a research university," says Paldy. Open to students nationwide in grades nine through 12, classes will be offered in science, math, languages, creative writing/journalism, computers and engineering. Concurrently, the center will run a separate summer camp program exploring the theme of space colonization, to be coordinated by Department of Physics professor Clifford Swartz.

The center's ongoing projects include editing a journal for college science teachers, presenting programs to encourage junior high school girls to take more science and math courses, providing university faculty to serve as "mentors" for elementary school science teachers, and offering short courses for colleges teachers through the national Chatauqua Consortium program.

"Schools have been asking us for years to serve as a resource," says Professor Paldy. "We're responding to that need."

■ Sue Risoli

"Youth 2000" Keeps Teenage Mothers in High School

One of the tragic consequences of teenage pregnancy is the decision to drop out of high school. In poor, inner city communities, the economic burden of supporting a child often forces the mother to quit school and find a job.

However, "Youth 2000," a program supported by Suffolk County BOCES II and the University at Stony Brook, not only helps teenage mothers complete their high school education, but also encourages them to pursue a college degree.

"Until recently, when a teenager became pregnant, it meant the end to formal education," said Monica Rascoe, assistant vice provost for Special Programs and project director of the Youth 2000 program. "This program is a light in the dark for these girls because it helps them with their specific needs."

Between 90 and 100 teenage women currently participate in the program that has grown each year. The BOCES II Bellport center's on-site day care facility enables teenagers to continue their school work while their child receives the best possible care.

"The day care center is staffed with medical personnel and social workers, and is accessible by a school bus route," Ms. Rascoe said. "It gives the mother one less thing to worry about while she concentrates on her school work."

In addition to typical high school courses, the Youth 2000 program includes

sessions and workshops that educate teenagers about the opportunities and accessibility of higher education. Admissions, financial aid and Education Opportunity Program (EOP) counselors, as well as graduate interns and faculty members from the university organize and facilitate these programs.

"Many of these teenagers never considered going to college, even before their pregnancy," Ms. Rascoe said. "By showing them that college is a viable option, they're more likely to get interested and attend."

"Because these children are parents, and need to make adult-like decisions, they are more mature than others in their age group. Because they have to consider the future of their child as well as their own, they want to take advantage of these opportunities."

Admissions and financial aid counselors introduce students to the college application process, and bring them to campus to explore the college environment. EOP counselors explain the financial and academic support services that are available should they decide to enroll.

"Many of these teenagers are eligible for EOP support, but they don't know anything about it," Ms. Rascoe said. "By learning about it, they begin to see options for their future that they never thought they had."

The resource center also supplies materials such as liquid nitrogen, dry ice and specialized glassware to teachers on a non-profit basis. Both students and teachers can get help with chemistry projects and demonstrations, while talented high school students are offered a 15-week Saturday course introducing them to research techniques in chemistry.

"Since I'm a full-time teacher, I feel part of my job is to work with children and with teachers," he says. He helped form an association of chemistry teachers, Chem-nation, under the joint auspices of the Suffolk County Science Teachers Association and the Department of Chemistry at Stony Brook. Its purpose is to share approaches, techniques, and recent developments in chemistry and chemistry curriculum.

Dr. Krishnan draws parents into science education as well, with week-long summer chemistry workshops for children in kindergarten through sixth grade together with their parents. "The workshops increase the role of the parent as an active agent and catalyst in the learning of science," says Dr. Krishnan.

Intending to nurture curiosity, creativity and dedication, workshops will be offered this summer in three successive weeks. Using common substances found in the supermarket and drug store, experiments are designed to teach participants a disciplined approach to inquiry and experimentation.

Anyone interested in registering for a parent-child workshop or in need of Dr. Krishnan's help on a chemistry project, can reach him at (516) 632-7992.

■ Tamar Asedo Sherman

On campus activities are also a part of the Youth 2000 program. Currently, Ms. Rascoe is working with Thomas Neumiller, professor of theater, on a program in which students will present their own theatrical production on the USB campus.

"This production will enable the students to express the psychological dilemmas of teenage motherhood through drama," Ms. Rascoe said. "The performance will be presented later this spring at the Staller Fine Arts Center."

Although activities are held on the USB campus, the intention is not to sell the teenagers on the university.

"Most students will opt for a two year college program rather than a four year college," Rascoe said. "For many, four years is too long to spend in college, but we can still help them find what's best for them."

Ms. Rascoe believes the Youth 2000 program is an effective way to reduce the number of "at risk" children in society. "By supporting and helping the mothers," she said, "the more likely their children will enjoy a brighter future."

Rascoe believes society can no longer afford to ignore the problem of teenage pregnancy. "Our future depends on how we help our children today. There is a lot that institutions like Stony Brook can do to help with problems such as this."

■ Mark A. Owczarski

STEP Program Encourages Area Teens to Pursue Careers in Science

Low Income Students Are Given Chance to Reach Their Potential

More than 500 junior high and high school students are benefiting from a program at USB that encourages under-represented and low-income minority students to pursue careers in scientific, technical and health-related fields.

Students from Brentwood, Central Islip, Longwood, Patchogue-Medford, Riverhead, South Country and Wyandanch School Districts are getting the chance to experience college while still in high school under the Science and Technology Entry Program (STEP), funded by the New York State Education Department.

The program, begun in 1986, offers academic enrichment, tutoring, counseling, laboratory experiences, opportunities to explore scientific research and preparation for the Scholastic Aptitude Test and Regents exams. This is done through a network of STEP clubs and advisors at high schools, a residential summer program at the university and on-campus programs in marine sciences, health sciences and biological sciences.

Among its programs, STEP offers a three-credit college course each spring semester. This spring's course, "Introduction to Modern Engineering," offers lectures and labs in music technology, environmental and solid waste management, digital computers and microcomputer-based science lab. An awards presentation will be held in May, following 12 Saturday sessions.

STEP also offers on-campus internships at the Department of Technology and Society, the Department of Chemistry and the Marine Sciences Research Center, as well as college and career counseling and parent support groups.

"The goal is to get the students into a college environment," said Thomas Liao, chairman of the Department of Technology and Society and co-director of STEP with Edith Steinfeld.

Stony Brook primarily works with high school students, while Suffolk Community College runs the program for junior high school students.

For college students, the university offers the Collegiate Science and Technology Entry Program (CSTEP), serving 267 students. CSTEP aims to increase the number of under-represented minorities and economically disadvantaged college students pursuing degrees in science, technology, health and health-related fields, especially those areas where licensure is required.

The program, begun in 1987, offers tutoring and study groups, academic and career advisement, personal and financial aid counseling, financial assistance, help in identifying summer and permanent jobs, a pre-freshman summer residential program for credit, outreach in the residence halls and a summer internship in nursing.

David Ferguson, associate professor of technology and society, is co-director of CSTEP with Mrs. Steinfeld.—Wendy Greenfield

■ Wendy Greenfield



Area students discover principles of sound using an electric synthesizer. Standing from left; Amela Truesdale, Amanda Vera, Trina Perham and Vonda Wells. Sitting from left; Marlon Fordes and Aliya Holmes. Photo by Pat Columbraro.

Health Educator Advises LI Schools on AIDS Curriculum

Virtually every school district on Long Island knows Joseph Rukeyser, associate director of the Aids Education and Resource Center within the School of Allied Health Professions. They have asked his help in establishing AIDS curriculums as mandated by the state this year.

A physiologist by training, Dr. Rukeyser has been a community health educator for the past 15 years and one of very few who specialize in AIDS education. Stony Brook's AIDS center, funded by the state Department of Health's AIDS Institute, is unique.

"I saw the need and nobody else was doing it," he says. He began working with Long Island AIDS Project, a volunteer

agency at the university. Unable to provide direct services for clients with AIDS, the group began Long Island Association for AIDS Care. Dr. Rukeyser has continued to serve as a counselor and speaker for that agency.

The bulk of his time training teachers is spent convincing them that no one expects them to be experts on AIDS. "I remove the burden from them and tell them to use the students to determine what they cover and how they cover it," Dr. Rukeyser says.

"The best way is by brainstorming around the question, 'How would you feel if a classmate had AIDS and continued to come to school?'" Students are filled with concerns and ideas of their own.

It is usually the school psychologist or

nurse who invites him to train the teachers. "I do sensitivity training, sensitizing them to the way their language and non-verbal messages influence the way students hear what we tell them about AIDS," Dr. Rukeyser says.

He prefers to set up three sessions when possible. The first session is "AIDS 101," an overview appropriate for all teachers. "That's when I answer all their 'what ifs,'" he says. "The 'what ifs' are, for example, 'What if a kid asks me a question about condoms?'"

The second and third meetings are geared more specifically to health educators, family life or human sexuality teachers, as they are frequently called in

continued on page 7

Teachers to Study Socratic Method During Summer Seminar

For centuries, the teachings and works of Plato and the use of the Socratic method have been a cornerstone to American education. Their value as a learning tool extends to both the student and the teacher.

For five weeks this summer, the university at Stony Brook and Clyde Lee Miller, associate professor and acting chairman of the Philosophy department, will host 15 high school teachers from across the United States in a National Endowment for the Humanities (NEH) Summer Seminar for School Teachers. The Stony Brook session, "Learning and Teaching in Plato's Protagoras and Meno," will enable participants to study these great works and reflect on how the Socratic method can be applied in their own classrooms.

"The program is designed to help teachers at the K-12 level, or professionals involved in elementary or secondary education, to reflect on their teaching," Miller said. "Participants will not only be

able to learn from Plato's dialogues, but from each other as well."

When reading these two works, participants will observe Socrates and those who speak with him, and attempt to figure out who learns what and whether the learning was dependent on someone teaching. The group will also examine whether Socrates' action in these dialogues is appropriate for a learner or a teacher.

"Sometimes Socrates is sarcastic or ironic, sometimes he is serious, sometimes playful and almost silly and sometimes irritating and captious," Miller said. "The group this summer will explore the question of whether he teaches anything or learns anything and whether he models the behavior, motives and questions we need to imitate in our own learning and teaching."

In order to arrive at these answers, Miller said the seminar will not be conducted in a lecture style format, but rather in group meetings in which

participants discuss their own interpretations of the readings.

"An intensive seminar such as this is both exhilarating and exhausting," Miller said. "The key to its success will be to get the group to work together and benefit from each others experience."

The Stony Brook Seminar was made possible by a \$58,229 grant from NEH. It is the first time a summer seminar for school teachers will be held on the USB campus.

The seminar will be held June 26 to July 25. Participants will stay in residence halls on campus to further promote a sense of collegiality and group sharing. Several social events are also scheduled during the five week period.

Small group sessions will be held four days a week from 9:30 a.m. to 12:30 p.m. Afternoons will be set aside for private study and research. Participants will have access to university resources and libraries.

■ Mark A. Owczarski

THIS WEEK

FEBRUARY 22 THROUGH MARCH 4

WEDNESDAY

FEBRUARY 22

School of Medicine Seminar, "Cholestatic Syndromes in Childhood," Frederick J. Suchy, Yale University. 8 a.m., Lecture Hall 6, Level 3, Health Science Center.

National Organization for Women Speaker Series, "Erasing a Woman's Writing: Emily Dickinson and Her Male Critics," V. Stewart. Noon, Room S-216, Social & Behavioral Sciences Building.

Noontime Recital, graduate students in the Department of Music. Noon, Recital Hall, Staller Center for the Arts.

Videotape, "After Winter: Sterling Brown Profile," 1 p.m., Africana Studies Library, Room S-226 Social & Behavioral Sciences. Part of Black History Month Celebration. For information call 632-7470.

Seminar, "The Use of Site-Directed Mutagenesis in Spin Label Studies of Protein," Wayne L. Hubbell, UCLA. 4 p.m., Confernece Room 145, Level 5T, Basic Health Science Tower.

Financial Aid Workshop, sponsored by the Returning Student Organization. 4 p.m., Returning Student Lounge, Room S-211, Social & Behavioral Sciences Building.

Meeting, Returning Student Club, 6 p.m., Returning Student Lounge, Room S-211, Social & Behavioral Sciences Building. Meets every Wednesday during academic year.

Contract Bridge, lessons, 7 p.m., open play 8 p.m., SB Union Ballroom. Meets every Wednesday through March.

Academic Advising, 7 - 11 p.m., Kelly Confernece Room (opposite the Kelly Quad Office). James Nguyen, peer advisor. Bring grade report. Meets every Wednesday during academic year.

Lecture, Adelaide Sandiford, member of the New York City Board of Regents, 7 p.m., UNITI Cultural Center. Roth Cafeteria Building. Part of Black History Month Celebration. For information call 632-7470.

Film, "King, A Film Documentary," 8 p.m., SB Union Auditorium. Sponsored by Catholic Campus Ministry to commemorate Black History Month. For information call 632-6561.

Chamber Music Series, Leonidas Kavakos, violin. Program: Mozart, *D Major Sonata, K. 306*; Tartini, *The Devil's Trill*; Schubert, *Fantasy in C major*, Earl Kim, *solo violin piece*, Ysaya, *Sonata #5, op. 27*; Paganini, *Variations on "God Save the King" for solo violin*. 8 p.m., Recital Hall, Staller Center for the Arts. Tickets \$10/5. For information call 632-7230.

Courses, First session of photography, Sections B & C, 7 - 9 p.m.; 9:15 to 11:15 p.m. For information, call 632-6823.

THURSDAY

FEBRUARY 23

Physical Chemistry Seminar, "Temperature and Energy Effect in Ion-Molecule Reactions," Al Viggiano, Airforce Geophysics Laboratory. Noon, Room 412, Chemistry Building.

CHE 532 Seminar, presented by C. Amann, X. Chen and G. Hiel, students at USB. 1 - 3 p.m., Room 412, Chemistry Building

Institute for Social Analysis Seminar Series, "Visual Arts on Long Island: A History," Donald Kuspit, professor of art. 1 - 2:30 p.m., Room N-405, Social & Behavioral Sciences Building.

Department of Biochemistry Spring Seminar Series, "Multiple Functions for the Histone mRNA..." William Marzluff, Florida State University. 4 - 5 p.m., Room 038, Life Sciences Building. For information call Deanna Tazzetta, 632-8550.

Organic Chemistry Seminar, "Aliphatic Hydroxylation by Matalloporphyrins. How Does Cytochromet P-450 Control the Stereo Selectivity of a Radical Reaction?" John Groves, Princeton University. 4 p.m., Room 412, Chemistry Building.

Reading, Cheryl Byron and Mervyn Taylor. 7 p.m., UNITI Cultural Center, Roth Cafeteria Building. Part of Black History Month Celebration. For information call 632-7470.

Men's Basketball, vs New Jersey Institute of Technology, 7:05 p.m., Gym.

Doctoral Recital, Olga Gross, piano. Featuring works by Beethoven and Brahms. 8 p.m., Recital Hall, Staller Center for the Arts.

Tally's Folly, by Lanford Wilson. Tom Neumiller, director. 8 p.m., Theater I, Staller Center for the Arts. Tickets: \$6/5. Runs through March 4. For information call 632-7230.

Film, "A Raisin in the Sun," 8 p.m., Union Auditorium. Sponsored by Catholic Campus Ministry to commemorate Black History Month. For information call 632-6561.

FRIDAY

FEBRUARY 24

Interdisciplinary Seminar Series on Decision Behavior, "Anomalies in Intertemporal Choice: Evidence and an Interpretation," George F. Lowenstein, University of Chicago. 1:30 - 3:30 p.m., Room 102, Harriman Hall. For information call Jeff Casey, 632-7179.

Department of Physiology and Biophysics Seminar, "Molecular Modeling of Biomolecules," Moises Eisenberg, associate professor of pharmacology. 4 p.m., Room 140, Level T-5, Basic Health Science Tower.



The Ohio Ballet will perform at the Staller Center Feb. 25. Photo by Otto Gangl.

Figure Drawing Workshop, non instructional practice drawing from a live model. 7 - 9 p.m. Meets every Friday through May 12. Admission \$3. For information call 632-6822.

Film, "The Last Emporor," 7, 11 p.m. Javits Lecture Center. \$1.50, \$1 with SBID. Also Saturday Feb. 25.

Religious Service, Lenten Pilgrimage of Reconciliation with Brothers from the Ecumenical Community of Taize, "Evening Prayer," 8 p.m., Stony Brook Commuunity Church, United Methodist, 214 Christian Avenue, Stony Brook. For information call Sr. Margaret Ann Landry, 632-6562.

Doctoral Recital, Hyeonju Kim, violin. Featuring works by Schubert. 8 p.m., Recital Hall, Staller Center for the Arts.

SATURDAY

FEBRUARY 25

Religious Service, Lenten Pilgrimage of Reconciliation with Brothers from the Ecumenical Community, "Morning Prayer, and Quiet Reflection," 9:30 - noon, Setauket Presbyterian Church, 5 Caroline Avenue, Setauket. Lunch will be provided. For information call Sr. Margaret Ann Landry, 632-6562.

One Session Workshop, "Body/Mind Wellness: A Holistic Approach." Sponsored by the Group Shop and the University Counseling Center. Restricted to USB faculty, students, and staff. Advance registration required. For information, call 632-6715.

Religious Service, Lenten Pilgrimage of Reconciliation with Brothers from the Ecumenical Community, "Small Group Sharing and Closing Celebration." 6:30 p.m., St. James Catholic Church, 25A and Ridgewood Avenue, Setauket. For information, call Sr. Margaret Ann Landry, 632-6562.

Men's Basketball, vs SUNY Maritime, 7:05 p.m., Gym.

Ohio Ballet, program to include Balanchine's *Allegro Brilliante*, 8 p.m., Main Stage, Staller Center for the Arts. Tickets \$18/16/14.

SUNDAY

FEBRUARY 26

Sundays at Stony Brook, "Materials That Changed the World," Herbert Herman, professor of materials science & engineering. 1:30 - 3:30 p.m., Alliance Room, Melville Library. For information call 632-7000.

Undergraduate Recital, Darel Stark, violin. Featuring works by Shapero, Martino and Crumb. 3 p.m., Recital Hall, Staller Center for the Arts.

Doctoral Recital, Seon-Hee Myong, piano. Featuring the works by Schubert, Chopin and Granados. 8 p.m., Recital Hall, Staller Center for the Arts.

MONDAY

FEBRUARY 27

Flea Market, 9 a.m. - 4 p.m., SB Union Bi-Level. Sponsored by the Faculty Student Association and the Department of Student Union and Activities. Held every Monday and Thursday during academic year.

Meeting, Astrophysics Club. Noon, Room 450, Earth & Space Sciences Building. Meets every Monday during academic year.

Department of Microbiology Seminar, "Regulation of cAMP Levels in Dictyostelium and Mammalian Cells," Richard Kessin, Columbia University. Noon, Room 038, Life Sciences Laboratory.

Inorganic/Organometallic Seminar, "Synthesis of Rhenium Oxo and Alkoxide Complexes," David M. Hoffmann, Harvard University. 4 p.m., Room 412, Chemistry Building.

Faculty Senate Meeting, School of Medicine, Jordan Cohen, dean of the Medical School will give a status report. 4 p.m., Lecture Hall 4, Level 2, Health Science Center. For information call 634-2345.

Department of Physiology and Biophysics Seminar, "Signal Transduction Mechanisms mediating Mammalian Sperm/Egg Interactions," Gregory Kopf, University of Pennsylvania. 4 p.m., Room 140, Level T-5, Basic Health Science Tower.

Master's Recital, Julie Maas, cello. Featuring works by Beethoven and Bach. 8 p.m., Recital Hall, Staller Center for the Arts.

Courses, classes begin in Pottery 1A, Photography A, Sign Language, Intro to Pottery, Aerobic Dancercise, Photography D, Stained Glass, and Woodcarving. To register call the SB Union Crafts Center, 632-6823.

TUESDAY

FEBRUARY 28

Aerobic Swim, 7:15 - 8:30 a.m., Gym Pool. Tuesdays/Thursdays through the semester. To register call Marilyn Zucker, 632-6136.

Doctoral Recital, Mitch Sundet, horn. Featuring works by Dukas, Schumann and Kroll. Noon, Recital Hall, Staller Center for the Arts.

University Hospital Auxiliary Lecture, "Post-Partum Depression," Joanne Woodle, assistant professor of psychiatry. Noon, Lecture Hall 6, Level 3, Health Science Center.

Neurobiology Seminar, "Magnitude, Spatial Distribution and Kinetics of the Currents Induced in Salamander Rods by Cyclic GMP Infusion," E.N. Pugh, University of Pennsylvania. 4 p.m., Room 038, Life Sciences Building.

Real Estate Course, first of 15 sessions, "Principles of Residential Real Estate Appraising." Tuesdays, 7 - 10:15 p.m., class size limited. \$275 fee. For information call the School of Continuing Education, 632-7071.

Real Estate Course, first of five sessions, "Affordable and Alternative Housing." Tuesdays, 7 - 10:15. \$95 fee. For information call the School of Continuing

Education, 632-7071.

Academic Advising, 7 - 10:30 p.m., G Quad, O'Neill College, Quad Council Office, Room G-119. Kerie Stone, peer adviser. Bring grade report. Meets every Tuesday through academic year.

Film, "Diner" and "Tin Man," 7, 9:30 p.m., SB Union Auditorium. \$1, 50 cents with SBID.

Contemporary Music Series, Stony Brook Composers, 8 p.m., Staller Center for the Arts. Tickets \$5/3. For information call 632-7230.

WEDNESDAY

MARCH 1

One Session Workshop, "Foot Reflexology." Sponsored by the Group Shop and the University Counseling Center. Restricted to USB faculty, students and staff. Advance registration required. For information call 632-6715.

Library Tour, 10 a.m., starting at the Reference Desk. Sponsored by the Returning Student Organization.

National Organization for Women Speakers Series, "The Meaning of 'Modernization' for Latin American Women," Brook Larson. Noon, Room S-216, Social & Behavioral Sciences Building.

Real Estate Course, first of five sessions, "Investment Opportunities in Real Estate." Wednesdays, 7 - 10:15 p.m., \$95 fee. For information call the School of Continuing Education, 632-7071.

THURSDAY

MARCH 2

Workshop, first of four sessions, "Overcoming Writers' Block — Or Will I Ever Finish My Dissertation?" Sponsored by The Group Shop and the University Counseling Center. Sessions held March 2, 9, 16 and 30. Limited to 15 people. Restricted to USB faculty, students, and

staff. Advance registration required. For information call 632-6715.

Department of Microbiology Seminar, "Transcription and Reverse Transcription in Hepatitis B Virus," Don Ganem, University of California Medical Center, San Francisco. Noon, Room 038, Life Sciences Laboratory.

Organic Chemistry Seminar, "Synthesis of Unsymmetrical Dithioacetals: An Efficient Synthesis of a Novel LTD4 Antagonist," James McNamara, Merek. 4 p.m., Room 412, Chemistry Building.

Department of Biochemistry Spring Seminar Series, "Initiation of Protein Synthesis in Picornavirus Replication: Deviation from the Kozek Model," Eckard Wimmer, professor of microbiology. 4 - 5 p.m., Room 038, Life Sciences Building. For information call Deanna Tazzetta, 632-8550.

Computer Course, first of six sessions, "Data Base: Using dBase III+." Tuesdays/Thursdays, 5:30 - 7:30 p.m., \$195 fee. For information call the School of Continuing Education, 632-7071.

Library Tour, 4 p.m., starting from the reference desk. Sponsored by the Returning Student Organization.

Film, "Night of the Living Dead," 7, 9:30 p.m., SB Union Auditorium. \$1.50, \$1 with SBID.

FRIDAY

MARCH 3

CHE 532 Seminar, presented by USB students. 1 - 3 p.m., Room 412, Chemistry Building.

Interdisciplinary Seminar Series in Decision Behavior, "Contingent Decision Strategies and Preference Biases," Gregory W. Fischer, Carnegie-Mellon University. 1:30 - 3:30 p.m., Room 102, Harriman Hall. For information call Jeff Casey, 632-7179.

Film, "Coming to America," 7, 9:30 and midnight, Javits Lecture Center. \$1.50, \$1 with SBID. Also Saturday, March 4.

Astronomy Open Nights, "Observations of Lunar Occultations in the Infrared," Michal Simon, professor of earth and space science. 8 p.m., Room 137 Harriman Hall. For information call Dolores Rohrbach, 632-8221.

SATURDAY

MARCH 4

The Boston Camerata, "Courts and Chapels of Renaissance France." Program includes festive ceremonial music from the court of Francois I and some high-living ribaldry from the pen of the impenitent priest, Clement Jannequin. Musical director: John Cohen. 8 p.m., Staller Center for the Arts. Tickets \$18/16/14. For information call 632-7230.

ART EXHIBITS

Through Feb. 28, works of Amiri Baraka, June Hordan and Langston Hughes as well as broadsides of the Broadside Press. Monday - Friday, 9 a.m. - 5 p.m., Special Collections Exhibit Area, Room E-2320, Main Library. Part of Black History Month Celebration.

Through Feb. 28, exhibit of periodicals such as *Crisis* and *The Afro American* that have information on Black Culture. Also included are books on Black women and new acquisitions on Black culture. Main Reference Room, Main Library. Part of Black History Month Celebration.

Feb. 24 - Feb. 28, works by Stony Brook students Curtis Francis and Carlos McDonald. SB Union Art Gallery. Part of Black History Month Celebration. Gallery hours: Monday - Friday, noon to 5 p.m.

Feb. 27 - March 27, "The Decade of Women: The African-American Experience, 1892-1902"; UNITI Cultural Center. Part of Black History Month Celebration. For information call 632-7470.

March 1, Drawing and Ceramics Student Exhibition. Work of E. Kahanas' classes. SB Union Gallery. For information call 632-6828.

AIDS Curriculum

continued from page 5

high schools. Psychosocial issues, judgmental attitudes and language are delved into in the second session, while educational strategies are reserved for the final meeting.

Sometimes Dr. Rukeyser does a program for the students, directly, but he always meets with the teachers first to prepare them for the kinds of reactions and questions that might surface afterwards.

His consulting work began at home, when he volunteered for the AIDS advisory committee of the Three-Village Central School District as the parent of a Stony Brook high school student. Word of this valuable resource quickly spread from one district to another as they all struggled to meet the state mandate. Most are doing so, he says.

Some districts, however, have a language problem. With large populations of non-English speaking students, the

schools aren't getting their messages across. BOCES II in Bellport is working on a bilingual AIDS curriculum which Dr. Rukeyser expects will be the first such program in the country.

"The way we approach it will be a model for other districts," says Dr. Rukeyser, who is on the BOCES II advisory council. Even New York City does not have a bilingual AIDS program, although he and BOCES II are collaborating with the New York Board of Education to develop one.

Consulting with school districts is not technically part of his job description. The resource center is charged with educating and training health care workers, college students and the community with funds from the National Institutes of Health, as well as the state Department of Health. It has developed an instructor-guided AIDS curriculum for college students that is being used at 120 public and private campuses across the state.

■ Tamar Asedo Sherman

Lectures, Projects and Classical Skits to Be Included in Latin Workshop March 8

The study of Latin is far from dead on Long Island.

Over the past few years, enrollment in local schools has tripled, and at USB, 100 students have enrolled in Latin classes, even though no major is offered. During the last three summers, 25 high school teachers from across the state have participated in a Latin Language Institute at the university.

On March 8, there will be a convocation for junior and senior high school Latin students at the university, a week before the Ides of March, organized by the Suffolk Classical Society's Margaret Brucia, with the cooperation of A.W. Godfrey of USB's Center for Excellence and Innovation in Education and USB's Classics Program. Four hundred secondary school students will converge

on the university campus for a day of lectures, projects and classical skits from Richard Gascoyne, the state Education Department's coordinator of Latin, a former teacher at Riverhead High School.

Each pre-registered student will participate in two workshops which include a ten-minute lecture and a project which will be selected from: Roman pottery, coins, clothing, games, mosaics and drama.

All the workshop leaders are Long Island Latin teachers and will be assisted by Latin students at the university. The event is funded by the Mid-Eastern Suffolk Teachers Center mini-grant program and the Classical Association of the Atlantic States.

■ Wendy Greenfield

THIS MONTH

MARCH EVENT HIGHLIGHTS

READINGS

Wednesday, March 29: Larry Heinemann, author of *Paco's Story*. 7:30 p.m., The Poetry Center, Room 239, Humanities Building.

THEATRE

March 2-4: *Tally's Folly*, by Lanford Wilson. Tom Neumiller, director. 8 p.m., Theater I, Staller Center for the Arts. Tickets \$6/5. For information call 632-7230.

MUSIC

Sunday, March 4: The Boston Camerata presents "Courts and Chapels of Renaissance France." Program includes festive ceremonial music from the court of Francois I and some high-living ribaldry from the pen of the impenitent priest, Clement Jannequin. Musical director: John Cohen. 8 p.m., Staller Center for the Arts. Tickets \$18/16/14. For information call 632-7230.

Tuesday, March 7: Contemporary Music Series, Contemporary Chamber Players: Works by Martino, Peter Winkler, Crub, Boulez, 8 p.m. Staller Center for the Arts. Tickets \$5/3. For information call 632-7230.

Wednesday, March 8: Stony Brook Wind Ensemble, Chaminade, Concertino, Samuel Baron, flute soloist. Tchaikovsky, Selections from *The Nutcracker*; Gounod, Ballet Music from *Faust*. 8 p.m., Staller Center for the Arts. Tickets \$5/3. For information call 632-7230.

Friday, March 10: USB Symphony Orchestra. David Lawton, Thomas Cockrell, and David Ciolkowski, conductors. Concerto evening; program to be announced. The soloists will be the winners of the 1988-89 M.M. and D.M.A. Concerto Competitions. 8 p.m., Staller Center for the Arts. Tickets \$5/3. For information call 632-7230.

Tuesday, March 14: Contemporary Music Series, Contemporary Chamber Players, the second in the series, *Six American Premieres*. 8 p.m., Staller Center for the Arts. Tickets \$5/3. For information call 632-7230.

Friday, March 17: "Puerto Rico Sings," performed by *Repertorio Espanol*, the Manhattan based Spanish Theatre Respository. Music by the great composers of Puerto Rico will be featured. 8 p.m., Main Stage, Staller Center for the Arts. Sponsored by USB and Grumman Corp. Tickets \$10/15. For information call 632-7230.

FILM

Thursday, March 2: "Night of the Living Dead," 7, 9:30 p.m., SB Union Auditorium. \$1.50, \$1 with SBID.

Friday, March 3: "Coming to America," 7, 9:30 and midnight. Javits Lecture Center. \$1.50, \$1 with SBID. Also Saturday, March 4.

Monday, March 6: "The Yellow Earth," 8 p.m., Theatre Three, 412 Main Street,



"Puerto Rico Sings!" performed by *Repertorio Espanol*, will come to USB March 17 on the Staller Center Main Stage. Photo by Gerry Goodstein.

Port Jefferson. Part of "Recent Chinese Cinema" series, presented by Humanities Institute. Admission free. For information call 632-7765.

Tuesday, March 7: "Yellow Submarine," 7, 9:30 p.m., SB Union Auditorium. \$1, 50 cents with SBID.

Wednesday, March 8: Nagisa Oshima's "Death by Hanging" (Japan). 7 and 9:30 p.m., SB Union Auditorium. Admission \$2.

Friday, March 10: "Tequilla Sunrise," 7, 9:30 and midnight, Javits Lecture Center. \$1.50, \$1 with SBID. Also Saturday, March 11.

Tuesday, March 14: "Arsenic & Old Lace" and "Philadelphia Story," 7, 9:30 p.m., SB Union Auditorium. \$1, 50 cents with SBID.

Thursday, March 16: "Monty Python's Meaning of Life," 7, 9:30 p.m., SB Union Auditorium. \$1.50, \$1 with SBID.

Monday, March 20: "On The Hunting Ground," 8 p.m., Theatre Three, 412 Main Street, Port Jefferson. Part of "Recent Chinese Cinema" series, presented by Humanities Institute. Admission free. For information call 632-7765.

Tuesday, March 28: "Salaam Bombay," 7, 9:30 p.m., SB Union Auditorium. \$1, 50 cents with SBID.

Thursday, March 30: "Pee Wee's Big Adventure," 7, 9:30 p.m., SB Union Auditorium. \$1.50, \$1 with SBID.

ART EXHIBITS

March 1 - March 27: "The Decade of Women: The African-American Experience, 1892-1902," UNITE Cultural Center. For information call 632-7470. Part of Black History Month Celebration.

March 1 - March 10: Drawing and Ceramics Student Exhibition. Work of E. Kahanas' classes. Union Gallery. For information call 632-6828.

March 7 - April 5: One-person exhibit of the work of New York artist Robert Kushner. Exhibit will include 10 large

scale figurative paintings. Staller Center Art Gallery. For information call 632-7240.

March 13 - March 17: Sarah Jackson - "Copier Artist" Artist in Residence Program. SB Union Gallery. For information call 632-6828.

March 27-April 5: Student Exhibition: Sarah Friedland and Rick Teng. SB Union Gallery. For information call 632-6828.

LECTURES

Wednesday, March 1: National Organization for Women Lunchtime Speakers Series, "The Meaning of 'Modernization' for Latin American Women," Brook Larson. Noon, Room S-216, Social & Behavioral Sciences Building.

Sunday, March 5: Sundays at Stony Brook, "Brain and Behavior," Paul Adams, professor of neurobiology & behavior, Fritz Henn, professor of psychiatry and Lorne Mendell, professor of neurobiology & behavior. 1:30 - 3:30 p.m., Alliance Room, Library Building. For information call 632-7000.

Monday, March 13: Topics in Art Lecture Series, "Copy Art," Sarah Jackson. Noon - 1 p.m., Staller Center for the Arts Art Gallery.

Wednesday, March 15: National Organization for Women Lunchtime Speakers Series, "Motherhood as a Mid-Life Decision," Joan Kuchner. Noon, Room S-216, Social & Behavioral Sciences Building.

SEMINARS

Friday, March 3: Astronomy Open Nights, "Observations of Lunar Occultations in the Infrared," Michal Simon, professor of earth and space science. 8 p.m., Room 137 Harriman Hall. For information call Dolores Rohrbach, 632-8221.

Wednesday, March 8: Association for Women in Science, Long Island Chapter, meeting. Featured presentaton, "Geology

Down Under, An Ancient Great Barrier Reef and Examples of Earth's Oldest Life Forms Alive and Well in Western Australia," Vicki Pedone, professor of earth & space sciences. 7:30 p.m., Room S-240, Math Tower. Refreshments will be served.

Thursday, March 9: Institute for Social Analysis Seminar Series, "Political Parties on Long Island," Howard Scarrow, professor of political science, and "Long Island and New York State," Ann Coates, lawyer. 2:30 - 3:50 p.m., Room 101, Humanities Building.

Friday, March 10: Interdisciplinary Seminar Series in Decision Behavior, "Risk in Organization," Martin Shubik, Yale University and Stony Brook. 1:30-3:30 p.m., Room 102, Harriman Hall. For information call Jeff Casey, 632-7179.

Monday, March 13: Interdisciplinary Seminar Series in Decision Behavior. "The Adaptive Decision Maker," John W. Payne, Duke University. 1:30 - 3:30 p.m., Room 102, Harriman Hall. For information call Jeff Casey, 632-7179.

Monday, March 13: Physical Sciences and Mathematics Divisional Colloquium, "A Cornucopia of Exotic Spaces of Dimension Four, Discovered Through the Physical Theories of Yang and Mills," Blaine Lawson, professor of mathematics. 4 p.m., Room S-240, Math Tower. Refreshments served

ATHLETIC EVENTS

Friday, March 3: Squash, USB at NISRA Singles Championships (at Dartmouth), noon.

Saturday, March 4: Women's Indoor Track, ECAC Championships (at Smith College), 11 a.m.

Saturday, March 4: Men's Indoor Track, ECAC Championships (at Smith College), 11 a.m.

Saturday, March 4: Squash, NISRA Singles Championships (at Dartmouth), noon.

Sunday, March 5: Women's Indoor Track, ECAC Championships (at Smith College), 11 a.m.

Saturday, March 5: Men's Indoor Track, ECAC Championships (at Smith College), 11 a.m.

Saturday, March 5: Squash, NISRA Singles Championships (at Dartmouth), noon.

Friday, March 10: Women's Indoor Track, NCAA Championships (at Bowdoin College), 6 p.m.

Friday, March 10: Men's Indoor Track, NCAA Championships (at Bowdoin College), 6 p.m.

Saturday, March 11: Women's Indoor Track, NCAA Championships (at Bowdoin College), 6 p.m.

Saturday, March 11: Men's Indoor Track, NCAA Championships (at Bowdoin College), 6 p.m.