

Stony Brook Lacrosse

Defeats Iona, 14-5

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Statesman

Newspaper for the State University
of New York at Stony Brook
and its surrounding communities

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Public Safety Sprouts New Unit

Director Dubs Plain Clothes Division 'The Lighter Approach'

By Nancy DiFranco

Stony Brook's Department of Public Safety is the first in New York State to sprout a plain clothes unit, according to its community relations officer, Doug Little. The new unit will be fully implemented next week.

The Public Assistance Team, PAT, will focus on public relations as well as security according to Department Director, Gary Barnes.

"They [PAT] will have the same responsibilities as uniformed officers, but emphasis will not be placed on arrests, Barnes said. "It will be placed on intervention and good public relation that will try and prevent escalation of a situation. It's a real positive approach."

PAT will consist of six to eight officers and one lieutenant,

Barnes said. Although three officers have been chosen, interviews continue for the remaining position. The team has been functioning since Saturday, but will not be fully-staffed until April 8, Barnes said.

According to Barnes the duties of PAT officers will include: Monitoring parking lots for vandals on war, weather, when, Barnes said, cars are more frequently vandalized and working with Public Safety's community relations division in an attempt to increase personal contact between resident students and staff members. Barnes said plain clothes will better enable officers to apprehend vandals because the officers will not be easily identified.

The Lighter Approach

"It's the lighter approach," Barnes said, "because you don't have the uniform. Hopefully, you [students] have [an officer] that you know and has been around and it's someone that you've talked to and had a rapport with."

"This is a program I've used before on other campuses and was very successful," notably Kent and Cleveland State Universities in Ohio, Barnes said. Student response he added was "very positive."

Little said student response on Saturday was good. "There were no problems. We're hoping for complete success. I got positive feedback." Senior Ron Garret said while plain clothes officers are more practical in situations such as parties, uniformed officers are more of a crime deterrent.



Statesman David Jasse

The new Public Assistance Team will do away with Public Safety Uniforms — at least for eight Public Safety officers.

"First of all," Garret said, "I think the idea of them [Public Safety] mingling on campus is ridiculous. How are they going to improve public relations if students don't even know they are security?"

"So often it's just a few people committing the crimes. I think that's characteristic of the campus. The plain clothed officers are good, because they stand a good chance of catching those few," said freshman Tim

George.

"The bottom line is if you can reduce crime and if you can get away from the 'us and them' attitude, then any program that can do that is worth its weight in gold." Barnes said.



Statesman Dom Taveila

Gary Barnes, director of the Department of Public Safety, said the plain clothes unit is a program he has used before on other campuses and it was very successful.



**The Stony Brook Foundation
Raises \$70,000 at Dinner,
Which Honored Press, Sagan
—Page 5
Press Speaks on Technology**

—In this Month's SCIENTIA

Voters in El Salvador Favor Duarte

San Salvador, El Salvador — Salvadoreans turned out in unexpected numbers yesterday to vote for a constituent assembly, despite leftist guerrilla attacks in the streets of the capital and elsewhere in the country. Unofficial returns gave junta President Jose Napoleon Duarte's party an early lead.

With 14 of the approximately 4,500 voting stations reporting from six of the 14 provinces, unofficial returns from the Central Elections Commission gave Duarte's Christian Democrats 1,835 votes, or 39.6 percent, and 1,331, or 28.7 percent, for former Maj. Roberto d'Aubuisson's ultra-right Republican

National Alliance, the other major contender.

If the trend holds, the Christian Democrats would be short of the absolute majority needed for outright control of the 60-member constituent assembly, but a good position to form a ruling coalition with one of four minor parties.

Attacks by guerrillas — including rooftop snipers — made voting impossible in Usulután, El Salvador's fourth largest city. But people flocked to the voting stations elsewhere, sometimes casting ballots within blocks of street gunbattles. At least 24 guerrillas were

reported killed in the capital. The number of casualties in other parts of the country had not been determined.

The constituent assembly will be empowered to rewrite the constitution and name a provisional administration as a prelude to representative government. Leftists boycotted the vote, calling it a farce.

The unofficial returns heavily favored the Christian Democrats in San Salvador, the largest electoral district with 13 seats. Duarte's party appeared to be doing poorly in sparsely populated northern Morazan province, a guerrilla stronghold where many voters could not get to the polls because of violence.

Sen. Nancy Kassebaum, a Kansas Republican leading an eight-member U.S. observer team, called the election "exceptionally fair." The count at the first polling station to report — in San Miguel, 67 miles east of here — gave the Christian Democrats 204 votes, or 43.8 percent. Officials at the station said 466 ballots were cast, and D'Aubuisson's party, known as Arena, got 123, or 26.4 percent.

U.S. observers praised Salvadorans who jammed polling places enduring long lines in blistering heat and braving gunfire to cast votes in El Salvador's national elections.

—News Digest—

—International—

Paris — France has not met the demands set by the elusive international terrorist Carlos but his threat to attack the government has ended, the interior minister said.

Gaston Defferre, interviewed by a Marseilles radio station Saturday, gave no indication of what information had led to the conclusion that the threat was over.

On March 1, a half-page letter in Spanish was delivered to the French Embassy in the Hague, Netherlands. The letter was signed, "Carlos," and included two thumbprints verified by French police as belonging to the terrorist.

The letter was the first real indication in more than seven years that the 32-year-old terrorist — born Illich Ramirez Sanchez in Venezuela — was alive.

In the letter, Carlos threatened to personally attack the French government unless two suspected terrorists were released from a French prison by April 1.

The prisoners have not been released and there have been no apparent attacks by Carlos against any French institution or leaders since his letter. In the radio interview, Defferre said he took "special measures" after the arrival of Carlos' letter. He did not specify what they were.

Warsaw, Poland — Fifty Polish journalists have circulated an open letter protesting the dissolution of their professional association in favor of a new, pro-martial law group, informed sources said yesterday.

Poland's Roman Catholic primate, Archbishop Jozef Glemp, meanwhile, called in a sermon for conciliation with the military rulers.

Sources said the journalists' letter was addressed to the editor-in-chief of the popular Warsaw daily *Zycie Warszawy*, *Warsaw Life*, but an editor on duty at the newspaper, which is favored by the intelligentsia, said he knew nothing about such a letter.

The journalists' letter is a protest against the dissolution of the Polish Journalists Association, headed by prominent Communist liberal Stefan Bratkowski, and its replacement last Wednesday by the Association of Journalists of People's Poland.

The group of writers joins the Independent Association of Students as the second major social group to be dissolved since the authorities imposed martial law here last Dec. 13. The authorities also banned the independent labor union, *Solidarity*.

—National—

Southfield, Mich. — The United Auto Workers and American Motors Corp. moved nearer to an agreement on an employee investment plan proposed by the company, the union's chief negotiator with AMC said yesterday.

"We settled some items," Raymond Majerus, UAW secretary-treasurer and head of the union's AMC department.

Meanwhile, a small UAW local in Detroit overwhelmingly ratified the union's tentative concessions contract with General Motors Corp.

Majerus said AMC's proposed investment plan asking workers to give up part of their wage increases, paid time off and cost-of-living raises over 22 months "has been accepted by us and is not a hang-up."

He said, "It's how we get there that we're dealing with now." The talks began in Milwaukee on March 8.

Among the main stumbling blocks was the sharing

of sacrifices by blue- and white-collar employees, Majerus said.

Majerus acknowledged late Saturday that bargainers were discussing whether AMC should be asked to agree to a specified ration for the number of supervisors to blue-collar workers.

Cape Canaveral, Fla. — Columbia's astronauts gave their space shuttle an encouraging once-over yesterday and prepared for today's landing at a makeshift spaceport on the white sands of New Mexico. Landing, set for shortly after noon, could come early to dodge midday desert winds.

A NASA forecast early last evening called for decent weather conditions this morning but becoming windier and dustier after noon, mountain time. Landing is scheduled for 2:27 PM EST.

"We maintain an option to come home early," said flight director Harold Draughon, who is in charge of Columbia's descent. A NASA decision to land one orbit early would cut the flight.

A NASA news release, issued at White Sands said, "The weather for Monday looks good for landing" and predicted visibility of 10 to 40 miles. But the release added: "By noon, blowing dust may reduce visibility to less than seven miles in some areas. Mission rules require a seven-mile visibility minimum for Columbia's landing."

A decision on an early descent to beat the wind could be made comfortably as late as six hours before landing.

Washington — Sen. Barry Goldwater, R-Ariz., said yesterday the Reagan administration should tell Fidel Castro it will start shooting down Cuban planes and sinking Cuban ships carrying arms to other nations in Latin America.

Goldwater, however, said he could not now "conceive of any circumstances" for sending U.S. troops to El Salvador to fight leftist guerrillas that the administration said are being armed by Cuba and the Soviet Union.

"I would want to see us go down there if there is a chance of getting the whole thing to work," he said on CBS' "Face the Nation" program. "And I think maybe we can do it."

Goldwater said the United States should continue to do "whatever we can in a non-combatant way to help" El Salvador even if the centrist government in the Central American nation is replaced by one further to the right.

Secretary of State Alexander M. Haig Jr. and other U.S. officials have said it might be harder to continue aid to El Salvador if far-right forces defeat the Christian Democrat government of President Jose Napoleon Duarte in yesterday election.

Gainesville, Fla. — A 6-year-old girl charged with striking a 7-year-old girl in the nose with a stick will not be tried as an adult as planned, a state prosecutor said yesterday.

State Attorney Eugene Whitworth said the case of Nancy Jo Burch will have to be taken up in juvenile court or dropped.

"Either they take this thing back to juvenile court...for arbitration or I'll dismiss it," said Whitworth.

The girl's attorney, Alan Wilhite, is to confer with the parents of the first-grader and given an answer on his preference at a meeting today. The child is accused of hitting Shirley Lynn Nickolls in an after-school tiff last Nov. 4.

On Friday, Circuit Court Judge R.A. "Buzzy" Green

sent the case to Superior Court on Wilhite's motion. Under Florida law, he had to grant the request.

Califon, N.J. — Harriet Stratemeyer Adams, who created many of the Nancy Drew and Hardy Boys mystery books for children, died of a heart attack Saturday night at her farm here. She was 89.

It was Mrs. Adams' father, Edward Stratemeyer, who invented Nancy Drew, the Hardy Boys and the Bobsey Twins. Before his death in 1930, he wrote more than 150 books for children and created outlines for hundreds more to be written by ghost writers.

Three of the Nancy Drew stories were drafted by Stratemeyer shortly before he died. On his death, his daughter took over his business and rewrote the Nancy Drew stories, using the pseudonym Carolyn Keene. Mrs. Adams wrote more than 200 books for the Stratemeyer Syndicate founded by her father and plotted some 1,200 for ghost writers to complete.

Watsonville, Calif. — Universities must be kept free of exclusive corporate connections which may restrict research or students' education, five university presidents said in a policy statement on conflict of interest Saturday. The statement was issued at the end of a three-day meeting of academic and corporate leaders concerned about potential conflicts of interest created by the lure of big profits, especially in genetic engineering.

The policy statement said agreements between universities and corporations should not be written to "promote a secrecy that will harm the progress of science, impair the education of students" or "interfere with the choice by faculty members of the scientific questions...they pursue."

However, the broadly worded statement stopped short of advising universities on how specifically to restrict business relationships. Attending the private conference at the luxurious Pajaro Dunes resort on the Monterey Peninsula were the presidents of Stanford University, the University of California, Harvard University, California Institute of Technology and the Massachusetts Institute of Technology. They were joined by 40 leading scientists and business executives.

Ukiah, Calif. — More potentially dangerous formaldehyde has found its way into a northern California river, forcing officials yesterday to delay restoring normal water service to 250,000 people.

Dave Clark, district engineer for the California Health Department, said additional formaldehyde had seeped through soil into Doolin Creek, which feeds the Russian River, the water supply for the Sonoma County Water Agency.

The chemical, which can cause nausea and other health problems, leaked from a vandalized railroad tanker car Thursday.

Clark said samples at Hopland, about 15 miles south of the spill in Ukiah, showed levels of the suspected cancer-causing chemical of 280 parts per billion. The level considered safe is 41 ppb, he said.

"It may be a week or more before we resolve the problem because we're going to have to remove an awful lot of soil," Clark said.

Clark said he didn't know how long it would take for the river to purge itself of the chemical once the contaminated soil is removed.

About 21,000 gallons of formaldehyde spilled into a creek feeding the river and contaminated soil in an orchard.

300 Join Volunteer Dorm Patrol

By Laura Craven

The Volunteer Resident Dorm Patrol (VRDP) has added 300 names this semester to its ever-increasing list of students volunteering to protect one another by patrolling campus at night, according to Steve Cohen, coordinator and founder of the VRDP.

According to Cohen, Langmuir College and Stage XIIB each have submitted a list of 100 residents who will patrol this semester. Sanger College also gave its list, but will begin its patrol in the fall.

Cohen said that when a building joins the VRDP, Public Safety supplies that group with radios, and the residents choose to patrol its quad and surrounding parking lots or just their own building. Cohen said both Stage XIIB and Langmuir are independent branches of the VRDP and each organize their own walks. "I like every building to have their own identity," he said.

Langmuir Lookout

Rich Milella, director of Langmuir's Lookout, said that the only connection the Lookout has with the VRDP "is that we use the radio."

While Cohen said a building must have 100 patrollers, Milella said the Lookout operates with about 75.

Langmuir's Lookout looks-out for the residents of Langmuir, Milella explained. A desk is set up in front of the building's main entrance—all other doors are locked—and all first floor windows and doors are checked periodically. "The basic purpose," Milella said, "is to keep townies out of the building."

Milella stressed that anyone with a Stony Brook I.D. card, commuter or resident, or roomkey would be admitted. Off-campus visitors, he said, can call the resident being visited from the front desk without any problem.

Milella said that about a month ago Langmuir residents had trouble when a group of local non-students were in the building. It resulted in a "rumble," he said.

Milella said he adopted the idea of the lookout while visiting friends at the University of Pennsylvania, which he said, has a similar structure.



Statesman/ David Cohen

Langmuir's Lookout staff helps keep their building secure by locking all doors except the main entrance, where a desk is set up.

Unlike the VRDP, Milella said, Langmuir Lookout only operates on Thursday, Friday and Saturday nights because "those are the only nights we really had trouble."

"We're [Langmuir] very close to the parking lot," Milella explained. "People go through the building to get to other parties and when they come back drunk, they pull alarms and stuff."

Doug Little, Community Relations Officer for the department of Public Safety, said he hopes that a program such as Langmuir's Lookout would go quad-wide. "From our [Public Safety's] standpoint, I think it's great," he said.

Stage XIIB runs its patrol in much the same manner as the original VRDP, patrolling its own dormitory, the quad and surrounding parking lots, according to both Cohen and Little.

In addition to specific dorm patrols, Cohen said many students join the VRDP on their own. These "free patrollers" are assigned to walk through specific areas of campus.

"By the end of the semester," Cohen said, "2,000 people will have walked, once or twice. Only 60 to 70 will have walked more than three times."

Cohen said he feels enthusiasm for the patrol is "the same as always. But the organization used to function at full capacity." Full capacity, he said, is having 24 people patrolling campus at the same time. On the average there are no 12-14, he said.

Cohen added that the VRDP is a totally voluntary organization. "We're the eyes and ears of Public Safety," he said. "the VDRP is concerned with arson, assault, preventing rape, protecting students and their property."

VP's Give NY Assemblymen University Tour

By Craig Schneider

Three of the university's highest officials, along with two New York State assemblymen walked down the tarred walkway, under threatening skies, towards Engineering Loop Friday. The walk was part of a campus tour which covered the Engineering buildings, the Stony Brook Union, other academic buildings and the Gymnasium.

The purpose of the tour, which included Jim Black, vice-president of University Affairs, Assemblymen Mark Siegel, Chairman of the State Assembly's Higher Education Committee, and George Hochbrueckner, Student Affairs Vice-President Fred Preston and Campus Operations Vice-President Robert Francis, was to give the assemblymen a concise, yet realistic view of the Stony Brook campus, Black said. Its attributes and beauty, as well as its shortcomings.

"The layout of Stony Brook is tremendous," Francis said. "We're only try to show the assemblymen some telling parts."

During this part of the walk engineering was the topic. As the men entered the Engineering Building Francis cited that the building was saturated with steam a year ago when the aged heating system failed. "You could barely breath," he said. Walking out of the now-

clear building he added, "It also had termites."

"We're reviving this building too," Francis said walking past the Biology Building. He cited some improvements such as more durable doors. Looking back over his shoulder he said, "It's also got a fine new greenhouse."

Such were the way things went. Francis talked about specifics, including the library's hydraulic elevators which were designed for four floors, not six. The assemblymen nodded and said "I see."

Another topic Black touched on was the lack of student facilities. One example discussed was how 70 percent of a Computer Science Class took an "incomplete" because there weren't enough computers.

"You have to remember the Stony Brook was not built in a day. It was a process over many years. Sometimes project budgets ran out, and they didn't get the right people to do the job," Francis said.

Soon after, the men stood under the Bridge to Nowhere, an overhead walkway structure which was supposed to connect the Library to the Union, but was designed and constructed two feet off its mark. Francis explained this, the assemblymen nodded.

The assemblymen, can help us a great deal in Albany," Preston said. "We just want them to understand us."



Statesman/ David Cohen

University Affairs Vice-President Jim Black (left) was among those who gave a tour of the university to State Assemblymen George Hochbrueckner, (D-Coram), (center), and Mark Siegel, (D-New York), who is also chairman of the State Assembly's Higher Education Committee.

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**Provost Neal
To Host Meeting**

Provost Homer Neal will host tomorrow night's meeting of the Outreach Program at 9 PM in the O'Neill College Main Lounge said Babak Movahedi, the program's coordinator.

The program was initiated last semester by Movahedi to improve student-administration relations. "I felt there is a need for administrators and students to get together. It cuts the red tape a bit," Movahedi said.

In reference to the format, he said, "the administration gives a talk about their department, following that is a question and answer period. Then coffee is served and administrators and students can talk on a personal basis, in a cozy manner."

"With only 30 or 40 people, everyone can really express themselves," Movahedi said.

-John Wicks

**'Lizard King'
Makes Comeback**

Bowling Green, Ohio (CPS)—More than a decade after the drug-related death of Jim Morrison in a Paris hotel room, the "Lizard King" of rock music is making a comeback on college campuses as the most frequent subject for popular culture term papers.

That's the assessment of George Ward, who teaches pop music at the Center for the Study of Popular Culture here. Ward attributes the comeback of Morrison and his group, The Doors, to a current of pessimism among college students.

"Other groups tend to be too hippie-dippy and optimistic for today's students," Ward said. "The Doors tended to home in on the more cynical side of things: loneliness, the dark side of life. This being a rather down period, The Doors are in sync with the times."

Ward tells his students to "take an album from the sixties, and write about it and what it meant to its time. The number one group the students write about is The Doors."

Morrison was the group's lead singer, songwriter, and focal point of controversy, mostly over his frequent arrests for obscenity and nudity while on stage. He earned his "Lizard King" nickname by performing in skin-tight leather pants.

"Beyond just the music, there have been students here who have tried to recreate the whole Doors thing. I know students who dress like Morrison, take LSD and listen exclusively to sixties music," Ward reported. "I first noticed it in the mid-seventies, and it's just as strong today."

Ward notes the group was the subject of a bestselling book, *Nobody Gets Out Of Here Alive*, two years ago, but attributes its current revival to the homage paid to Morrison by New York punk and New Wave musicians, who cite Morrison's brooding stage presence and theatrics as an inspiration for their own work.

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4. Indication of what groups and how many individuals participate in or benefit from the activity.
5. Steps that have been taken to continue the activity in future years.
6. Two letters of support from others who are familiar with the project.

**FSA SCHOLARSHIP FUND
Faculty Student Association
Room 278 Stony Brook Union**



Carl Sagan, University President John Marburger and his wife, Carol, attended the Stony Brook Foundation's Eighth Annual Dinner Saturday at Colonie Hill in Hauppauge.



Congressman Bill Carney (R-Riverhead), Provost Homer Neal, Frank Press and State Senator Ken Lavalle (R-Port Jefferson), attended the dinner at which Press was honored.

Committee Votes To Add \$1.3 B to GSL's

By Mitchell Wagner
 Early last week, the House Appropriations Committee voted to add \$1.3 billion to the Guaranteed Student Loan program, \$300 million more than the amount recommended by President Ronald Reagan. The bill is expected to go to the House floor tomorrow, and if passed would then go to the Senate.
 One part of Reagan's plan that will probably be discarded is the ineligibility of graduate students for loans, though what the terms of the student loan program will be remain unclear. Stony Brook graduat-

ing senior Michael Rowe, who is applying to psychology graduate schools, said that if this part of Reagan's plan is approved, "I can't go to graduate school. I can't make \$10,000 a year working part-time."
 Cutbacks have already been approved for Pell Grants, designed for low and middle-income students. Families with adjusted gross incomes of up to \$27,000 are eligible for these grants, next year the ceiling will be lowered to \$26,000. Reagan proposed a further reduction of \$900 million on these grants, reducing the budget to \$1.4 billion.

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Foundation Raises \$70,000 At Eighth Annual Dinner

About \$70,000 in donations that will be used for supporting scholarships, academic awards, commencement, the Fine Arts Center and various other activities was received by the Stony Brook Foundation at its annual dinner Saturday night. It was the largest amount ever received at an annual dinner by the foundation, the university's fundraising arm.
 The dinner, attended by 520 people—including businessmen, scientists and state and national lawmakers—who donated \$125 each, honored Frank Press, president of the National Academy of Sciences and former presidential science advisor, and Carl Sagan, the noted astronomer who has worked closely on the recent Voyager flights and who is well-known for his book, *Cosmos* and television series of the same name. (Press also lectured at Stony Brook Friday. See *Scientia*, page 3S.)

The dinner is the chief fundraising event of the foundation. Each year it selects one Stony Brook department that has achieved excellence and honors distinguished contributors in that field. This year's selection was the Earth and Space Sciences Department.
 A special award was given to Leroy Grumman, founder and honorary chairman of the company that bears his name, for his contributions to the field of aviation and to the economic growth of Long Island.
 The \$70,000 received from the dinner and other contributions is unrestricted, that is, it can be used for anything. The amount raised at the dinner is a sizeable percent of the foundation's annual unrestricted donations: last year, the foundation raised \$68,000 in unrestricted funds—the largest ever until this year—out of about \$187,000.
 The total amount the founda-

tion raised last year was slightly less than \$500,000.

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A Valuable Aid

The Volunteer Resident Dorm Patrol has, since its inception, been a valuable aid to the campus community in deterring crime. Members of the patrol should be proud of themselves.

The patrol serves as the eyes and ears of the Department of Public Safety, contacting them if a problem arises. This is a very important aspect of the patrol, since Public Safety officers are fewer in number than the patrol, they cannot be everywhere. Twenty-four people on a shift can cover three times as much area as Public Safety. This is an important deterrent to criminals, for if they know how great the chances are of getting caught — they'll think twice before committing a crime.

Members of Langmuir's Lookout, which is a branch of the patrol, also deserve mention. Protecting the home in which one lives is often a natural instinct, but when large numbers of people gather together to protect one another it is commendable.

Too often resident students are the victims of careless individuals who don't live in a certain dorm and think little of what is inside the building, they break windows and furniture. It is good to see that there are people who are interested in protecting the place they must call home for the time they attend Stony Brook. While Stony Brook might be a home-away-from-home for many, it's only as good as you make it, and the Volunteer Resident Dorm Patrol has made it better.



—Letters—

The Proud American

To the Editor:

In the name of venting my frustrations in dealing with proud Americans, I would just like to congratulate T.K. [Thomas Kubarych, letters, March 19], a proud American who nullified the efficacy of his letter to the editor, by demonstrating how little he knows about the world. Remember, T.K., that the value of a state has more to do with its ability to provide a decent quality of life to its citizens. It also has to do with the degree to which it impedes a decent quality of life in others.

Skip Spitzer

Unfounded Review

To the Editor:

In response to Brad Hodges' review of "South Pacific," "South Pacific loses the war," it is my belief that Mr. Hodges should remember in what context he is reviewing. The article is filled with criticism over the lack of intelligence and honest emotion, and that the show was generally corny. He states that, Rodgers and Hammerstein II struck gold with it in 1949, but today it is as dated as a postmark.

"South Pacific" is a classic, plain and simple. It was written and performed in 1949 as a form of entertainment, and it is the same today. I thought the university theatre performed it brilliantly. It is a fun show with points of relationships, tragedies and love all thrown in for flavor. To change it would be as criminal as painting a moustache on the Mona Lisa.

ache on the Mona Lisa.

If Mr. Hodges wants honest emotion and vivid dialogue, he'd best restrain his reviews to more modern, artsie performances. As for the university production of "South Pacific", it was an entertaining performance of one of theatre's most famous productions.

Christopher Maus

Have Respect For the Truth

To the Editor:

I want to correct an inaccurate report on the Reagan demonstration, which appeared in Statesman March 24.

Your reporter writes in an exceedingly cynical style, preferring to talk about the so-called fun that was going on in the bus, rather than present the issues with which he claimed to be concerned.

When he came to the seat where my friend and I were sitting, and asked us why we were going to demonstrate against the presentation of the Humanitarian of the Year Award to President Reagan (a preposterous gesture), my friend said she did not wish to be interviewed by Statesman because they had misquoted her on several occasions, thus misrepresenting her views. I agreed to be interviewed, and contrary to your reporter's account, did not refuse to give my name. I suggested he use a tape recorder for such interviews, so that he would be able to guard against misquoting people. He responded that he would be able to record the interview accurately enough.

Wrong. Although I did say

that one should exercise one's right in this country to free speech, and that this right had been denied us as students in South Africa (e.g., police charging students holding placards outside the University gates with batons, arbitrary arrests, banning and sometime imprisonment of student leaders, without trial. Often solitary confinement.) I never said that we "stopped bothering" after the government-police machinery moved against us. It may have offered an excuse to some apathetic people to "not bother," just as your reporter can sneer his cynical mouth at university and high school students who take their responsibilities as American citizens a great deal more seriously than your reporter takes his commitment to truth in reporting.

Evidence his disdain for the demonstrators in general, and for accurate reporting. After all, we on the bus feel it is very worthwhile to show our concern for the doublespeak and hypocrisy involved in the awarding of a Humanitarian award to someone who supports the oppressive policies of South Africa, who cuts welfare spending to increase military spending so that new wars can be started, for after all, they are going to have to sell a lot of those armaments to someone. Or use them themselves, or donate them to some fascist Central American government.

In the name of free speech—which is what your great country stands for in the eyes of many oppressed people—try to pay a bit more respect for truth.

Murray Gordon

Statesman

Howard Saltz
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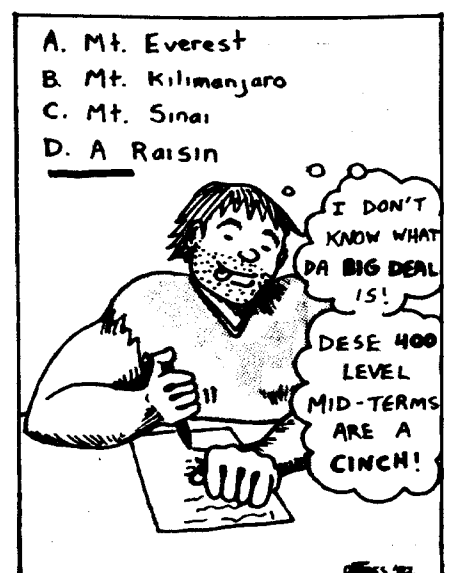
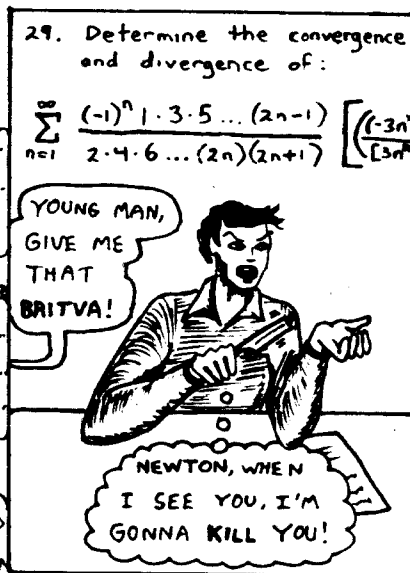
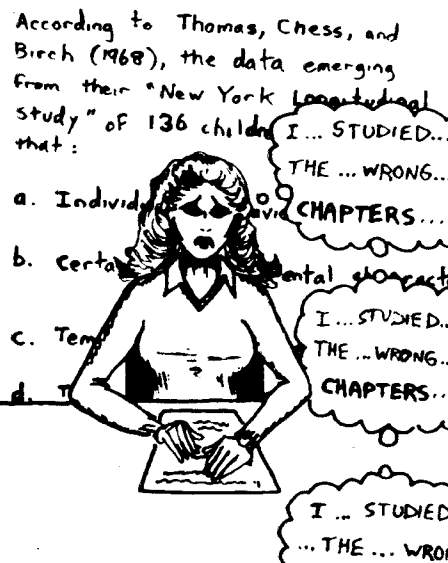
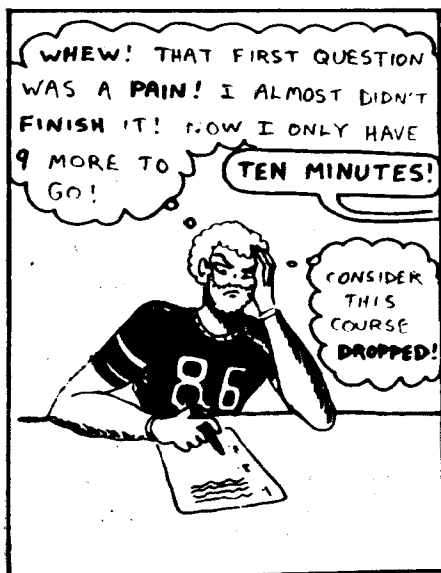
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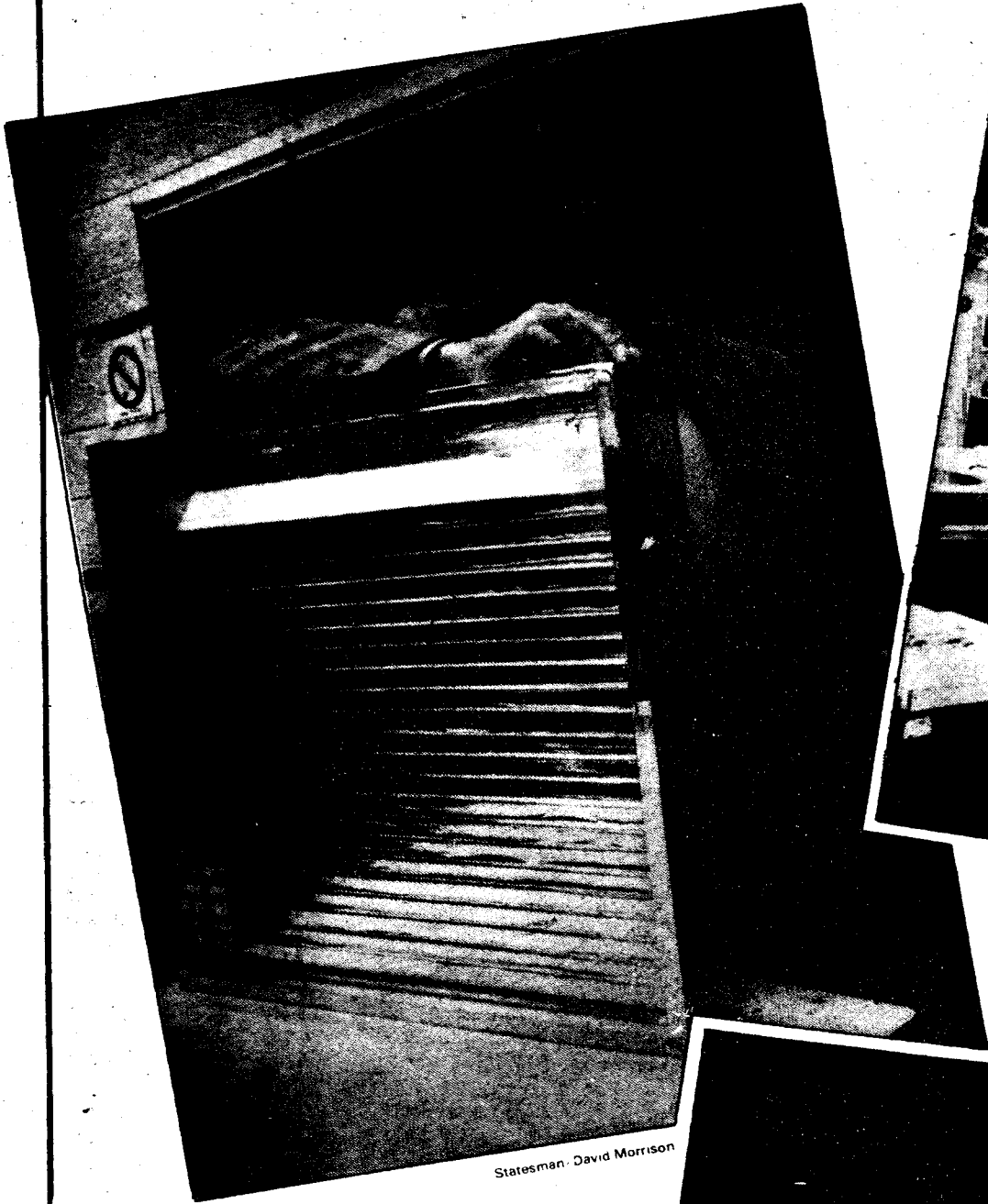
—Quagmire Capers—

WE HOPE YOU ARE ALL ENJOYING YOUR VARIOUS MID-TERMS:

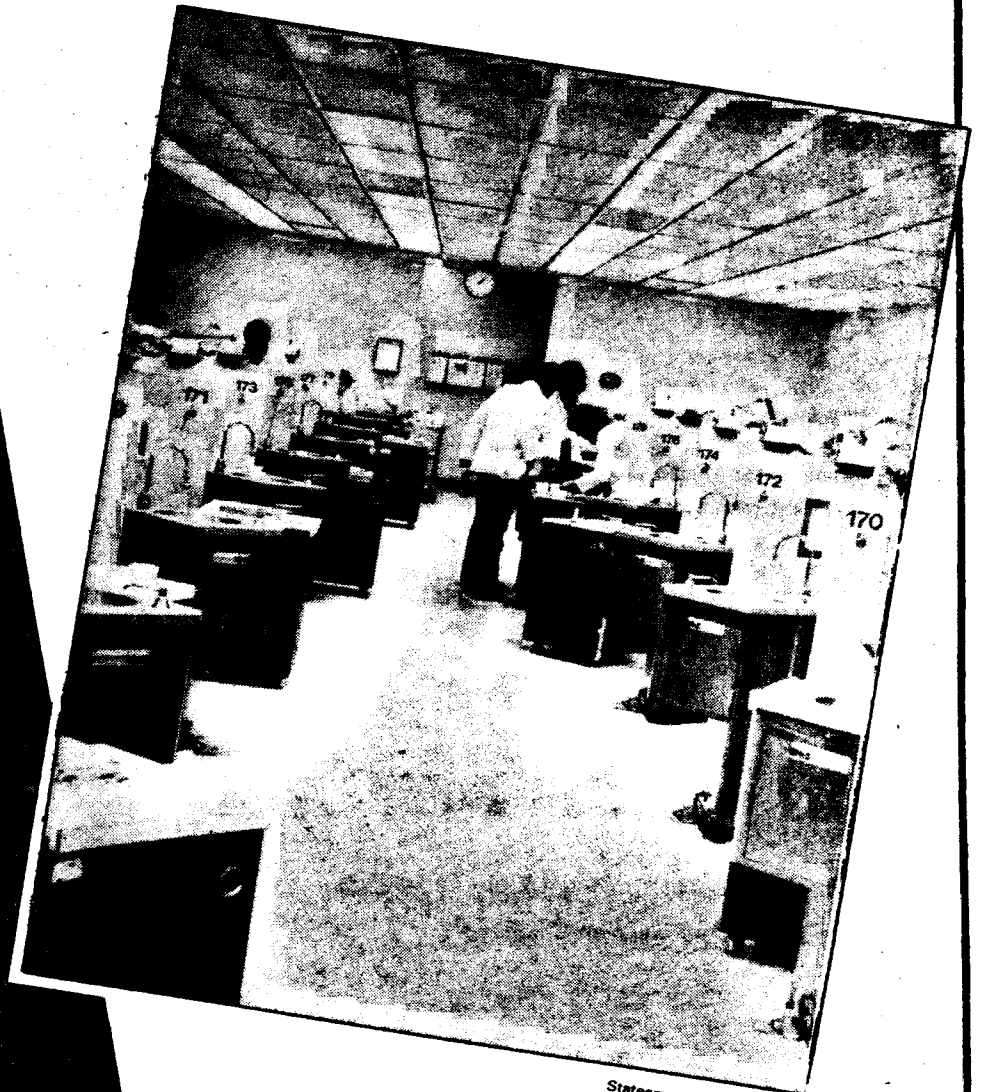
Statesman cartoon/Anthony Detres



SCIENTIA



Statesman - David Morrison



Statesman/Steven D. Joel



Statesman - Montgomery Brockstein

This month in Scientia: Engineering Professor Abraham Berlad (top, left) discusses his invention, a window designed with better insulation to be more energy-efficient; a look at the research at the Stony Brook Dental School (top, right); and another visit with Earth and Space Sciences Professor Tobias Owen (bottom), pictured here with Carl Sagan at the Stony Brook Foundation's annual dinner Saturday in which Sagan was honored.

RUSSIAN CLUB is holding a club meeting on Monday, March 28th, 1982 at 3:30 p.m. in the Library N-3062.

Polity Affirmative Action Officer, Mace H. Greenfield, invites the campus community to a meeting on Wednesday, March 31, 5:00 p.m.-6:00 p.m. in the Union, room 237 to discuss Affirmative Action. If you already know of any problems (ie. discrimination, reverse discrimination, etc.) Please bring them in writing with 1 or 2 suggested solutions.

If you've been ripped-off in a little way and feel that you shouldn't have to pay, don't bring it to a yenta. Bring it to the NYPIRG Small Claims Assistance Center. Give us a call so we can talk to you. Our number is 246-3632!

STONY BROOK SAILING CLUB will meet at 5:30 p.m. on Monday, March 29th. On April 20th, there will be a guest lecturer on the growing sport of Windsurfing. All invited!

WHAT'S NEW AT THE INTRAMURAL OFFICE? Tug of War! On April 1st, the Women's Intramural Office is holding the first annual April Fool's coed tug of war in roth Quad (maybe over the pond!) For entries and information, come to the office in Gym 111 or call 6-3414. DON'T BE A FOOL JOIN NOW!

TUESDAY FLICKS

presents

TWO WOMEN

STARRING SOPHIA LOREN
Directed by VITTORIO DESICA

7:00 and 9:00 p.m.

w/S.B. I.D. FREE
25¢ general public

Next Week:

**BLACK AND WHITE
IN COLOR**

STONY BROOK OUTING CLUB

MEETS

Tuesday, March 30th at 8 p.m. in SBU 223

*Slide Show - BACKPACKING IN SHENANDOAH PARK

*Plans for week-long trip on the Appalachian Trail during vacation.
COME ON OUT!

INTROSPECTION IN SPIRITUALITY

*"Life is very short
Make haste to have
a searching mind."*

Monday, 7:30 p.m.
Union Room 226

STONY BROOK CONCERTS

presents

and

Speakers '82

THE WAITRESSES

Tuesday, March 30th

9 p.m. - Union Ballroom

Tickets on Sale NOW in the Union Box Office!

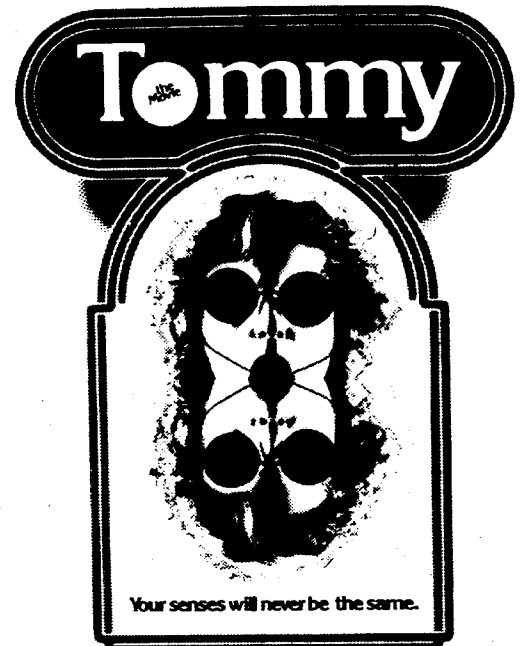
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in

TOMMY

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Upcoming SAB Concert Movies:

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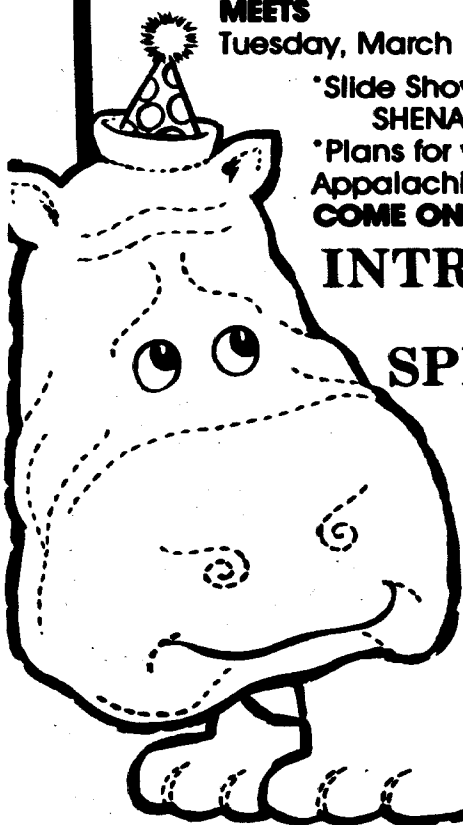
THE REAGAN ADMINISTRATION
IS ALLOWING INDUSTRY
TO TEAR OUR ENVIRONMENT
APART!

ENACT WILL FIGHT THEM!

Bills that are up soon:

- Endangered Species Act
- Safe Drinking Water Act
- Natural Resources and Recovery Act
- Clean Air Act
- Rules Limiting Lead in Gasoline
- Wilderness Protection Laws
- Regulations on Hazardous Waste

HELP US TO SAVE OUR ENVIRONMENT
Meeting Next Monday at 8 PM
In Union Rm 079



First Distinguished Lecturer

Press Talks on Science, Funds, US, USSR

By Bruce-Wayne Goldfeder

Dr. Frank Press, president of the National Academy of Sciences, was the inaugural speaker in the new University Distinguished Lecture Series that is being sponsored by the office of Provost Homer Neal.

Press' powerful lecture on "Science and Technology Policy for the 1980s," was addressed to a capacity-filled, standing room only crowd of 250 in Lecture Hall 001 at Stony Brook's Earth and Space Sciences Building Friday afternoon.

Press, an internationally recognized geophysicist, former presidential science advisor, director of the Office of Science and Technology Policy in the Carter Administration and recipient of 11 honorary degrees, spoke on technological innovation and the U.S. involvement in the second industrial revolution. In the latter part of the 45-minute lecture, Press touched on the role of science and technology with other countries.

Press opened the talk with his feelings that basic research cannot withstand its present budget cuts from the Reagan Administration. Press cited that government and industry each spend \$40 billion annually on whole research, mainly in the military, and not enough goes to basic research. Press said "The United States is the envy of the world," and is "being pressured." Because industries do not want to invest in such extremely expensive, long-term research, such as nuclear fusion as a source of energy, the government must underwrite most basic research. Universities only get two-thirds of the \$6 billion the government spends for basic research. Although basic research has become very expensive, with equipment prices tripling the rate of inflation, Press said "basic research is valued as a national good" and added that it is "indicative of a great nation." Press also said that private laboratories with loose budgets of \$6 to \$8 billion annually from the United States must also be re-examined before proper budget cuts are made from university basic research.

Due to the Reagan Administration's main priority to fight inflation by cutting federal spending, Press said that "Funding may go below that of the 1960s." Press said that part of the budget cut would result in continued problems in the educational systems. Only 15 percent of our college-graduate students are in the science or



Frank Press, president of the National Academy of Sciences and former presidential sciences advisor, initiated the university's distinguished lecture series Friday, speaking on "Science and Technology Policy for the 1980s."

engineering fields, compared to 45 percent in the Soviet Union, and Japan turns out about twice the number of engineers yearly as does the United States. Press said part of the problem is in the United States there are only 100,000 students who have studied calculus upon graduating high school yearly, compared to an overwhelming two million high school students in Russia.

"Hey, look, I decided to be a scientist in the sixth grade, because I had a great teacher," Press said. The United States must improve primary and secondary edu-

cation and work with the 70,000 school boards across the country to do so, Press said. He agreed with President Ronald Reagan that science and math must be an integral part of education.

On research and development, Press stated, "We have the technology, but it is instituting it into our products why we lag." He blamed this on management capability, saying "top management is scared to take chances," and that "we might have lost our entrepreneurial challenge." He blamed this on inflation and our high cost

of profit. Press said in 1966, 400 high technology companies were funded by equity funds, while today, there are less than 10.

Press told the audience that the United States must apply its technology and understand their economic implications. He added that we have the lowest gross national product export ratio of any nation in the world. "We are amateurs when it comes to exports," he said. He said the United States' market is no longer good where it can act self-sufficiently and exist without exports contributing as an integral part of its economics. Press pointed to Japan, which needs to export to survive and uses corporate debts to do so. "Japan can survive and undersell us with the same products of the United States because of minimal profits." He attributed this to the social discipline in Japan, and that workers and companies have close relationships, often being life-long.

"We have a shortage of several thousand engineers and techers," Press said. "Our engineering students work with inferior equipment. When they graduate, they are behind the technology of the day." He powerfully added, "We have to correct this."

Press said the United States is losing its strength in the ubiquity of the computer chip and in massive communications, but still leads the world in molecular biology research, pharmaceutical and industrial companies and in farming techniques. We must be able to remove the political and social bottlenecks. If we can, we will be one of the leaders in technology."

Press stated "that every country must do what they do best. That the United States must concentrate on high technology," and added, "developing countries have different problems—low cost, labor, food, etc." Press said that the United States must have a solid working relationship with the developing countries if the United States technology can help these countries. Press said we can better their educational systems, and show them the latest farming power land techniques.

Press said that nations should work together, with each country responsible for development in a particular field. In citing specific reference to the new Boeing 767 Press concluded his lecture, stating, "It is possible for countries to work together so competition can exist, and not be damaging to each other."

Engineer Develops Energy-Saving Window

Windows cause by far the greatest energy loss problems in homes and other buildings. Even the best window/storm window systems now on the market offer considerably less protection than a properly insulated wall.

Now, however, an engineering professor at Stony Brook has developed a new window/storm window system which, his tests show, can provide an insulation rating as high as R10, the equivalent of a wall filled with 3 1/4 inches of insulation.

That rating, says the window's developer, Dr. Abraham L. Berlad, gives it at least several times the insulation value of currently available window systems.

The window is the result of several years of research by Berlad, who is director of the Energy Technology Laboratory in Stony Brook's College of Engineering and Applied Sciences. His research has been supported by grant funding totaling \$150,000 from the U.S. Department of Energy during the last three years. The Department of Energy has now patented his window system and a major manufacturer is planning to produce it commercially, at a cost which Berlad estimates will be just \$3 more per square foot than current two-pane windows.

It is, essentially, a double pane window with a specially designed venetian blind sealed inside. Its construction utilizes plastic window bonding and aluminized plastic blind construction, eliminating much of the heat loss that comes from the high rates of convection and radiation associated with normal aluminum windows and blinds.

The new window closely resembles two-pane, sealed-in blind windows that have been used for years by schools, hospitals and other institutions. These current windows, however, even though they are the most energy efficient presently available, are mainly designed to provide a convenient combination of window and blind, one which reduces institutional maintenance costs since the sealed blind requires no cleaning.

Berlad has found that the energy conservation design of the new window gives it about 3.5 to five times the insulating value of such current window/blind combinations.

In a normal household where such window/blind combinations are rarely found, his tests show that the new window could provide about seven to 10 times as much insulation as a standard window or about five to seven times that of a standard window/storm window combination.

The new window utilizes aluminized, low conductivity blind materials rather than the white-enameled aluminum used in the venetian blinds of present window blind combinations. It reduces the space between individual blades of the venetian blind, thereby suppressing convective heat losses. It incorporates an aerodynamic shaping of the blades, creating "a nice, solid insulating wall" when the blind is closed.

"Blinds have always been thought of in terms of privacy or decoration," Berlad said. "They still can be with this window. You can open its blind or pull it up and still have a higher degree of insulation than is now possible."

"However," he adds, "the window's real advantage is that it capitalizes on the insulating properties of the air space between window glass panes. The amount of insulation you get from window glass is trivial. It's what you do with that air space that counts. And, these blinds, even when they're open, are a highly efficient means of inhibiting the passage of heat via natural convection and infrared radiation from one pane of glass through another."

Berlad's ideal version of the new window has two sealed-in blinds. Such a window unit, including its two

(continued on page 11S)

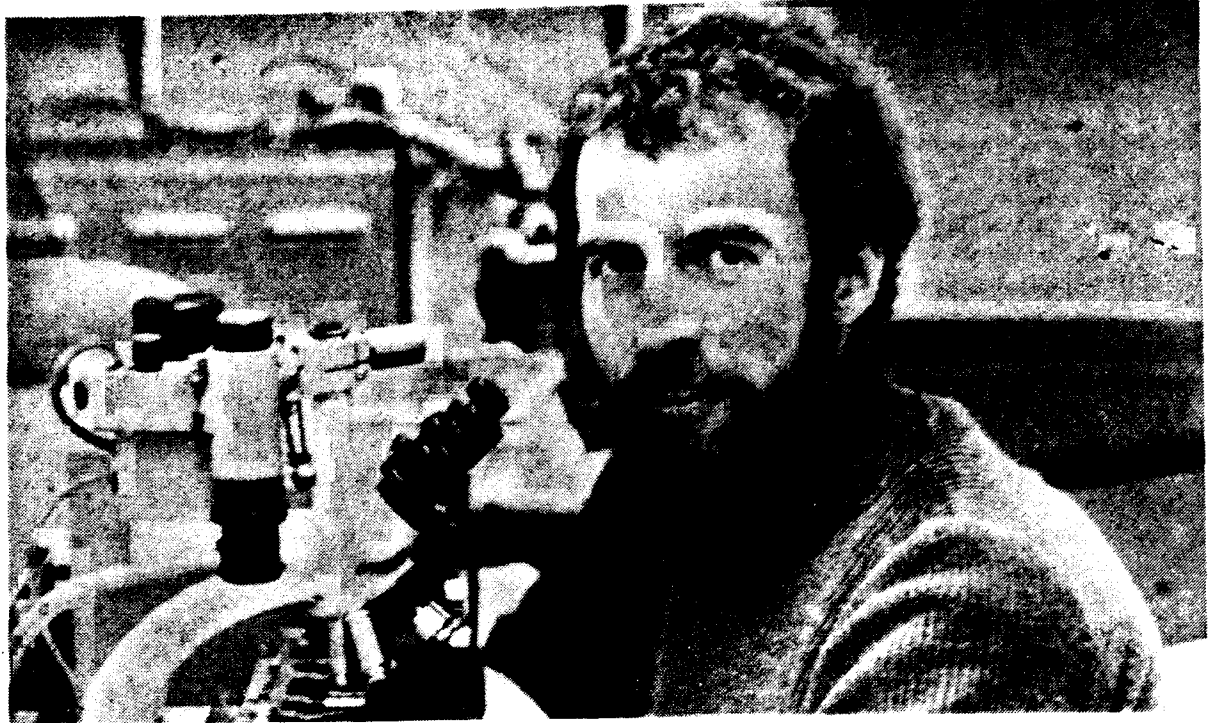
MSRC Studies Red Tide Organism on LI

The identification in Long Island waters of a microorganism that causes paralytic shellfish poisoning has led scientists at Stony Brook's Marine Sciences Research Center (MSRC), the Suffolk County Department of Health Services and the New York State Department of Environmental Conservation (DEC) to plan a detailed study of the organism's occurrence and distribution. Though there has been no history of paralytic shellfish poisoning (PSP) on Long Island, researchers have stated that the presence of *gonyaulax tamarensis*, a type of microscopic algae, warrants observation.

"The important thing is that a good monitoring program be set up. We're hoping to lay the groundwork," explained MSRC Associate Professor Edward Carpenter, who will begin the study this spring with graduate student Suzanne Schrey. Based on the findings of this study, the DEC and Department of Health Services will determine the need to establish a continuing monitoring program. Marine biologist Robert Nuzzi of the Department of Health Services will assist Carpenter in the study.

PSP, Carpenter explained, occurs when certain shellfish consume *gonyaulax tamarensis* as food. A toxin in the alga can be accumulated in shellfish meat, and can be fatal to humans if the toxic shellfish are consumed. Symptoms of toxicity in humans include numbness around the mouth, stomach cramps, respiratory difficulties, nausea, and tingling in the extremities.

Gonyaulax tamarensis was identified on Long Island last year by Dr. Donald Anderson, a scientist in the Woods Hole Oceanographic Institution's biology department. During a survey of the geographic distribution of the organism, he discovered cysts formed by *gonyaulax tamarensis* in sediments of estuaries at six locations in Suffolk County; 31 locations in both Nassau and Suffolk were included in his study. Cysts are formed by the alga during the winter and summer. With the arrival of spring or fall, *gonyaulax tamarensis* emerges from the cysts and, if proper conditions exist, can reproduce rapidly. Generally, it is during this stage that PSP can occur, though the cysts themselves can also be toxic. Because Anderson took only one sediment sample from each of the sites included in his study, Carpenter plans to conduct a more intensive search and will take several water samples from each of the six Suffolk locations later on in the study. A search for *gonyaulax tamarensis* in Nassau County waters will be conducted by Dr. Anita Freudenthal, a marine biologist with the Nassau County Department of Health, who will begin her work this spring.



Edward Carpenter, associate professor of the Marine Sciences Research Center, will soon begin study of a microorganism that causes paralytic shellfish poisoning.

The fact that no PSP outbreaks have been reported in Long Island waters suggests that the organism may not find local waters optimal for existing in large concentrations ("blooms"). And, Carpenter said, it has inhabited New England's waters for many decades, but careful monitoring of shellfish by the states of Maine, Massachusetts and New Hampshire has allowed the harvesting of shellfish with minimal risk to the public. "We are unaware of any blooms of *gonyaulax tamarensis* recorded in this area," Carpenter said. "However, we will continue to study the situation to gain a better understanding of the PSP organism in Long Island waters."

Blooms of *gonyaulax tamarensis* can cause water to appear discolored, and are sometimes referred to as "red tide." However, most areas of reddish, discolored water are not associated with *gonyaulax tamarensis* blooms since other, non-toxic organisms are often visible as reddish-brown streaks or patches. "We receive reports of red tides every year," said Nuzzi, "but investigation has

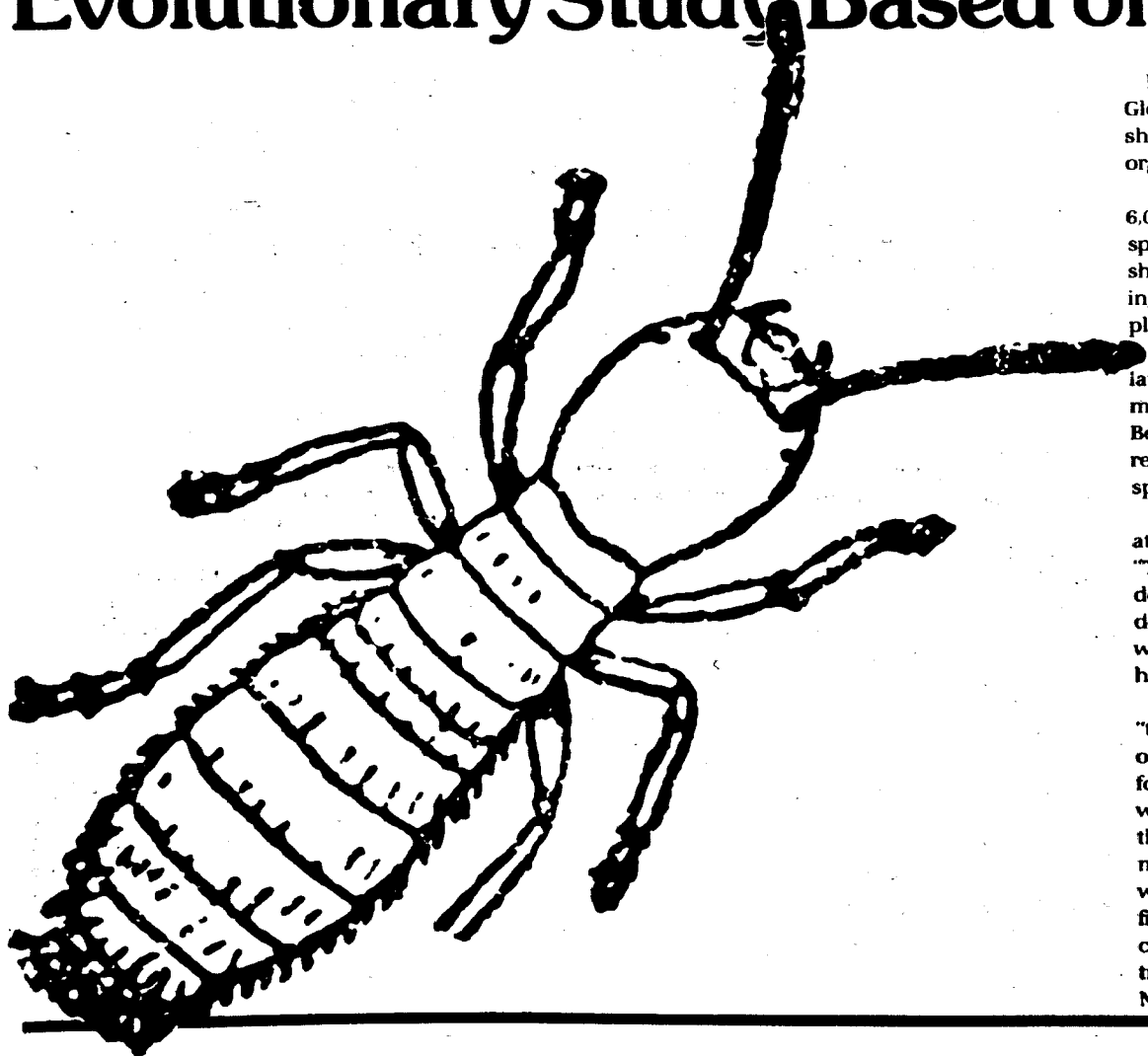
always revealed them to be blooms of non-toxic algae."

Bruce MacMillan, chief of the DEC's Bureau of Shellfishing, said, "It is important that the presence of *gonyaulax tamarensis* in New York waters be better understood in order that the need for future routine monitoring capabilities be addressed."

Anyone who swims in or comes in contact with water containing a *gonyaulax tamarensis* bloom will not be harmed.

Carpenter hopes to secure "seed" funding for the project from the New York Sea Grant Institute. A proposal has been submitted to the Suffolk County Legislature in order to obtain enough funding to complete the research. The study is a collaborative effort between the MSRC and the departments of Health Services and Environmental Conservation; these agencies have agreed to provide supplies and vehicles for the research, and will be advised by Carpenter of his findings as the study progresses.

Evolutionary Study Based on 6,000 Termites



Barbara Bentley, associate professor of ecology and evolution, and Glenn D. Prestwich, associate professor of chemistry at Stony Brook, share a research interest in the nitrogen-fixing capability of tropical organisms; an interest which led to their marriage.

Last month, young children in tow, they spent two weeks gathering 6,000 termite specimens in central and southern Venezuela. Those specimens, filling 280 glass vials, are now being analyzed in tests which should—about two months from now—yield some new understanding about how fast and how intensively the process of evolution takes place.

The specimens were gathered from three widely separated grassland "islands" saturated with termite mounds—"islands" less than a mile across, each surrounded by hundreds of miles of rain forest. Bentley and Prestwich expect to find substantial chemical differences resulting from evolutionary processes among the 20 or more termite species represented in their Venezuelan specimens.

"These grassland plains, or savannas, represent a rare natural laboratory for studying the divergent evolution of a species," Prestwich said. "These islands were created when Pleistocene glaciation resulted in destruction of most of the rain forest about 20,000 years ago, so we're dealing with a fixed period of time. Precedents dating back to Darwin's work indicate that the isolated species within these small areas could have evolved at very rapid rates."

The Venezuelan trip stemmed from Bentley's discovery of similar "termite islands" in a Brazilian rain forest 10 years ago. She is an expert on how plants survive and flourish in the poor soil of tropical rain forests, thanks to their specialized nitrogen-fixing mechanisms. She was more than normally curious about the tropical termites since they—like the plants she was studying—survive by augmenting their nutrition-poor food with nitrogen from the atmosphere. The termites were an immediate subject for conversation when the two scientists first met several years ago since Prestwich was an authority on termite chemistry. In fact, he discovered geographical variation in the chemistry of the "chemical bazooka" ejections of glue-squirting tropical Nasute soldier termites.

3-D Replacing X-Rays in Tumor Detection

By Christine Castaldi

A new advancement in diagnostic medicine will help doctors in determining tumors and other medical dysfunctions in patients who normally would have to be exposed to X-rays.

Nuclear Magnetic Resonance (NMR) was first used some years ago for image production by Dr. Paul Lauterbur, professor of Chemistry and research professor of Radiology at Stony Brook. With newly developed instruments in the Graduate Chemistry Building, Lauterbur is now using his (NMR) technique, called "zugmatography," to produce three-dimensional images of a wide variety of medical conditions including malignant tumors and lung and heart injuries.

"Nuclear Magnetic Resonance is a really promising field in the work of science — the development within the past year of the NMR is a significant advancement in diagnostic medicine," said Dr. Helena Mendonca-Dias, Lauterbur's assistant.

For more than 30 years, NMR had been widely used in chemistry and physics for studying molecular structures and motions, Lauterbur said. The first successful nuclear resonance experiments were carried out in the laboratories of scientists Bloch and Purcell about 35 years ago. Almost immediately, Lauterbur said, the experiments to observe NMR signals from the nuclei of various tissues began. However, serious attempts to use human tissues and entire organisms did not really begin until 1963, Lauterbur continued.

NMR zugmatographic imaging is inherently three-dimensional. No beams of particles or radiation are used. Instead, all identical magnetic nuclei within all or part of an object interact coherently with static and radio-frequency magnetic fields.

Instruments using zugmatography are not yet in routine diagnostic use. Lauterbur said he feels confident that within the next year or two, most New York hospitals will rely on the NMR procedure, rather than solely on X-rays.

The NMR instruments are being developed rapidly in academic and medical institutions around the world, said Lauterbur.

The versatile instruments Lauterbur has developed are being used in his laboratory for two diverse areas—the human body and energy. He is exploring the potential of NMR zugmatography for imaging lung and heart injuries, and he is looking at the interior of porous rocks to obtain data on how fluids inside these rocks influence each other's flow.

Lauterbur is working to develop ways of imaging a heart damaged by an attack diagnosed as myocardial infarction. And working with rocks, he is seeking data that is expected to be useful in determining the feasibility of recovering oil and gas.

Scientists working in this field formed a new society of Magnetic Resonance a few months ago. The Society will begin publication of a new journal on how developments in the field "offer new horizons for Medical research and clinical activities."

Scientist Wins Award for Tumor Research

Dr. Thomas E. Shenk, professor of Microbiology at Stony Brook, has been named winner of the Eli Lilly and Company Award in Microbiology and Immunology for 1982.

The award, which scientists consider one of the most prestigious in the field, is presented annually to a scientist under the age of 40 for significant research achievements.

Shenk, 35, a Setauket resident, has become a leader in developing new understanding of the regulatory signals in deoxyribonucleic acid (DNA), the genetic material which forms the genes in the chromosomes of cells in all living organisms.

Working with tumor virus genes, he and his colleagues have identified DNA regulatory signals that control production of the specific messenger ribonucleic acids (RNS) which translate DNA's genetic information into proteins required for new cell growth.

"All growth can be controlled at many levels," Schenk said. "One important control point is the decision to produce a given messenger RNA at a given level. We hope to eventually understand the mechanism by which this decision is made. A knowledge of basic regulatory principles should help us to understand diseases such as cancers which result from abnormal cell growth regulation."

The Lilly Award is presented by the American Society for Microbiology. The award to Shenk was announced in the February issue of the Society's "ASM News" magazine which said: "Dr. Shenk's research has been characterized by clear thinking, high experimental standards, and, most of all, an elegant and direct approach to central problems in eucaryotic genetics. The logic and technology pioneered by Dr. Shenk have already become the standard tools in the study of eucaryotic gene function and regulation not only with viruses but also with cloned eucaryotic genes. Dr. Shenk played a central role in the development of these ideas and the direct scientific approach to them and thus has become a leader in his field. It is in recognition of these accomplishments that he has been selected for the Eli Lilly Award."

A bronze medallion and \$2,000 was presented to Shenk on March 7 at the opening session of the Society's 1982 annual meeting in Atlanta. He presented an award address at a meeting session on March 9.

Shenk's prize will be the second Lilly Award received by a faculty member in the Microbiology Department, a unit of the School of Medicine in Stony Brook's Health Sciences Center. Dr. Joseph Kates, professor of Microbiology and former chairman



Microbiology Professor Thomas Shenk, who has won the prestigious Eli Lilly and Company Award in microbiology and immunology for 1982.

of the Microbiology Department, received the honor in 1974, shortly after joining the Stony Brook faculty.

Shenk has been a faculty member at Stony Brook since 1980. From 1975 to 1980, he was a faculty member of the University of Connecticut Medical School.

A 1969 summa cum laude graduate of the University of Detroit, he did graduate work at Rutgers University in animal virology and then joined the laboratory of Nobel Laureate Paul Berg at Sanford University where he began studies of viral genes involved in cellular transformation.

Budget Hits Med, Dental Students Hard

By Armando Machado

If all of President Ronald Reagan's proposed cuts in federal student-aid programs are passed, they will have a "devastating impact" and will be a "disaster" to Stony Brook medical and dental students next year, according to administrators at the university's medical and dental schools.

Each of the medical school's student-aid programs will either be eliminated, have decreased amounts, or qualifications will be modified, if indeed the Reagan Administration gets all of its student-aid budget proposals passed, and Aldustus Jordan, associate dean at the university's School of Medicine.

"There are no programs that will remain untouched," he said. "Whenever you eliminate scholarships, you have to replace them with loans. Small loans will also be reduced."

Many dental students will have to pay higher loan interests "in addition to any loans they might have taken out as undergraduates," said Sharon von Beck, assistant dean at the university's dental school.

"The budget cuts will most likely have a profound effect on attracting minority applicants," said Robert Cordero, student representative for the Medical Society of the State of New York (MSSNY) and a second-year medical student. Cordero said that if worst comes to worst, he may have to take a semester off to work full-time in order to finance the rest of his education.

Danny Greenstein, a third-year dental student, said he may have to "go to my family, but I don't know if they'll be able to afford it."

Warren F. Kagan, a third-year dental student, said "I'll be forced to take higher interest loans, which I'll have to

start paying while I'm still in school."

Richard Miles, vice-president of the American Student Dental Association and a fourth-year dental student, says that if the proposed cuts are passed, they will have an unquestionably serious effect on the type of students that enter professional schools, as well as the serious consequences for many students currently enrolled.

According to a series of bulletins from Albany and Washington, the two major student-aid programs presently used by most of the university's medical and dental students are the Guaranteed Student Loan (GSL) and the State Supplemental Loan for Health Profession Students (SSLHPS). The reports indicate that:

• This year the SSLHPS loaned 211 medical students a total of \$422,650; eighty-five dental students were loans a total of \$367,000. Its elimination has

been recommended for next year.

• The GSL, this year, loaned 247 medical students a total of \$1,234,000; ninety-nine dental students were loaned a total of \$495,000. Proposals expected for it for next year are: an increase in interest fee from five percent to ten percent, a required needs test for all students regardless of income, the requirement that students must pay the market interest rate starting two years after graduation and no loans for graduate or professional students.

Whether these major proposals will actually pass along with the proposed cuts in other programs aiding many medical and dental students depends on what happens between Reagan and Congress, between now and April, said Jordan. "A significant number of students here are from middle income families," he said. "Many of them have no other sources."

Dental Researchers All Smiles With Success

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When the body is wounded or invaded by a toxic infection, its defense system goes into action, immediately sending white blood cells to the site of the trouble. If the ability of these white blood cells to move towards that destination—a quality called "chemotactic" activity—is impaired, the patient can experience increased infection and complicated wound healing.

At the present time, methods most commonly used to determine whether patients have a defect in their white blood cell migratory activity have been lengthy and elaborate laboratory (in vitro) tests using blood samples.

Now, Dr. Lorne Golub, professor of oral biology and pathology at Stony Brook, and some of his colleagues have discovered a new technique for assessing the ability of white blood cells—specifically the infection-fighting polymorphonuclear leucocytes, called PMNLs—to migrate towards a toxic infection. Their testing is done in vivo, that is, on a patient sitting in a dental chair. It is non-invasive, requiring no blood samples; and results are obtainable in about 45 minutes.

Their method is based on the known fact that the gingival crevice fluid—the fluid that seeps between the gums and the teeth—contains the infection-fighting PMNLs. Golub, working with Ralph Kaslick, dean of the dental school at Fairleigh Dickinson University, has come up with a way of simulating a bacterial invasion of the gums and measuring the ability of a patient's white blood cells to migrate towards this site. Their co-workers on the research are Dr. S. Singh, from Fairleigh Dickinson, Dr. N. Ramamurthy, Dr. Vincent Iacone, and graduate student G. Nicoll, all from Stony Brook.

Their research has important clinical diagnostic implications. The new method can detect defects in the chemotactic activity of white blood cells associated with certain systemic and gingival disorders. These include diabetes, Down's Syndrome, Chediak-Higashi Syndrome and periodontitis, a localized but rapidly destructive gum disease in young people. With further development, their technique might be used by dental clinicians not only to diagnose systemic defects in white blood cell activity, but also to identify patients who are unusually susceptible to very aggressive gum disease.

Golub said the research developed from an investigation of why diabetic patients were often vulnerable to severe periodontal disease. Studies on diabetics led the researchers to believe that diabetes impaired the chemotactic activity of the white blood cells, thereby preventing them from reaching the gums. This allowed the infection to expand, resulting in rapid periodontal breakdown.

Because the commonly used tests for measuring white cell chemotactic activity required blood samples, were in vitro, cumbersome and lengthy, Golub and his colleagues, decided to look to the mouth to develop an improved test for this activity.

"We have often considered using the gingival crevice as a 'window' for the dentist to look into the systemic conditions of the patient. It was, therefore, quite natural for us to think of monitoring white blood cell activity in the gingival crevice fluid, since it was known that these cells migrate into the gingival crevice in response to bacteria in the area," Golub said. "We simply decided to challenge the crevice with a 'safe' (non-toxic) chemical that was known to be an attractant for PMNLs, to see if we could identify both normal and abnormal patterns in the white blood cell response that could be of diagnostic value."

The gingival crevice fluid turned out to be a quick and effective method for monitoring the migratory activity of the white blood cells on live research subjects without harm to them. Studies the team did on normal rats, which were later made diabetic, provided dramatic evidence that diabetes causes impaired white cell mobility and that gingival crevice fluid could be used in place of blood samples for measuring this impairment.

Golub explained that the technique developed by the team and tested on humans, is safe and simple. While a patient sits in a dental chair, the dentist washes the crevice area involving one or two teeth, dries the area with an air spray and then collects minute amounts of the crevice fluid which begins to seep between the teeth. Samples are placed under a microscope and the white blood cells are counted. Fluid volume also is measured, using an electronic meter, developed by Golub and Dr. Israel Kleinberg, chairman of Stony Brook's Department of Oral Biology and Pathology.

This provides a baseline reading. Then the dentist stimulates the cleared area by touching it with a calibrated wire loop that has been dipped into a casein solution. Casein is a natural food product that "fools" the white



Dental professor Lorne Golub and Israel Kleinberg are among those that have discovered a technique for assessing the ability of white blood cells to migrate toward a toxic infection.



Statesman photos/Steven D. Joel

blood cells into reacting as they would to a bacterial invasion. They, therefore, migrate towards the casein. PMNL readings taken after the deposited casein has simulated an attack by a bacterial substance, gives evidence of white blood cell ability to move quickly to the trouble spot. If the white blood cell response is sluggish or suppressed, this is a strong indication that the subject has a systemic condition which is impairing the white blood cell migratory activity.

"The entire procedure is done chair-side, with no discomfort to the patient, and takes about 45 minutes," Golub said.

The new technique has been described at several international research meetings and in papers published in dental and periodontal research journals.

Kleinberg and Golub have developed a measuring tool capable of detecting and monitoring gum diseases while still in an early stage.

Kleinberg and Golub have produced the Periotron, an instrument which accurately measures gingival crevice fluid (GCF)—the fluid that slowly seeps out of the space between the gums and the teeth—which is an indicator of gum tissue inflammation. This condition, called gingivitis, is extremely common. Without proper dental hygiene measures, it can lead to periodontal destruction, such as gum pocket formation, bone loss, loss of teeth, and serious gum diseases like pyorrhea.

The Periotron electronically determines amounts of gingival crevice fluid collected on a paper strip—like litmus paper—which has been placed at the tooth-gum crevice. Because of the machine's sensitivity, minute amounts of GCF can be measured, indicating even minimal gum inflammation before this condition can be detected visually. This early detection allows appropriate treatment procedures to be determined and initiated early enough to keep gingivitis from progressing to most cases of periodontal diseases.

In addition to its value as a tool for early detection of gum disease, the Periotron can be used to monitor the flow of gingival crevice fluid relating to other clinical situations, such as the effectiveness of dental treatment and hygiene, and the response of gum tissues to dentures, braces and other restorative and prosthetic procedures for dental patients.

The Periotron, first used as a research tool by several dental researchers, is now moving into the dentist's office with more than 400 of the compact measuring machines already in use in the United States, Canada, Germany and Japan.

Kleinberg is also a leader in the development of a dental training program geared to shape new-style dental practitioners.

Kleinberg, an internationally recognized leader in dental research and discoverer of sialin, a tetrapeptide in the saliva which neutralizes acid formed from carbohydrates and thus is a natural protector against cavities—sees a future for dental education based on two important trends. Present types of dental disease will be greatly reduced in the next 20 years or so, he believes, and researchers will continue making new discoveries about oral fluids.

Researchers are finding that the mouth is virtually a "window" to the body and that oral fluids—saliva and gingival crevice fluid, the liquid that seeps between the gums and teeth—hold the potential for diagnosing and understanding many of the body's systemic functions.

As a result, Kleinberg sees a need for a new kind of dental practitioner who will be diagnosing and preventing oral and other diseases to a much greater extent than at the present time, adding to the dentist's traditional capabilities of surgically repairing damage from dental disease.

He believes that the focus of dental education in the future will be on developing dentists who are less "dental surgeons" and more "oral physicians."

He believes that this trend is inevitable because of the new knowledge about dental caries (cavities) and periodontics (gum disease) being amassed at an increasingly rapid rate by dental researchers.

Opening up new modes of diagnostic and treatment procedures is stimulating the interest and involvement of industry in new products as managers realize the huge potential market for these oral products. Development of new technology has already made it possible to collect the minute volumes of crevicular fluid found only in the mouth, which are indicators of what goes on in the body as well as in the mouth.

"Eventually," Kleinberg predicts, "the use of crevicular fluid in addition to saliva in diagnosis of oral and medical

conditions will be as routine as blood and urine analyses are today."

The way has now been paved for oral diagnostics to be recognized as a new clinical science, he said, pointing out that "As oral diagnostics develops into an important area of medicine, and as caries is converted to a minor disease, the physician part of dental training has to be developed." This is becoming possible, Dr. Kleinberg suggests, because by the year 2000, cavities and gum disease will be under control. These are two of the most prevalent diseases, presently responsible for the loss of about 96 percent of all teeth. Dentists today spend most of their time treating patients for these diseases. Their control, he believes, will facilitate drastic change in the next 20 years.

Kleinberg's scenario, which visualizes the future control of dental disease and the development of oral diagnostics, which will require a new dentist trained as an oral physician/surgeon, is contained in the newly published People's Almanac Book of Predictions by David Wallachinsky and Amy and Irving Wallace (Morrow, 1980).

Research being done by a dentist in the Department of Periodontics in the School of Dental Medicine at the Health Sciences Center resulted in a discovery which hastens the day when an effective oral vaccine against tooth decay may be available.

Dr. Donald Cox, assistant professor of periodontics, has found that the form in which an oral vaccine is taken is directly related to its effectiveness.

The use of an oral vaccine to prevent dental disease caused by bacteria—similar in nature to the Salk polio vaccine—has been demonstrated to be effective in the prevention of tooth decay in laboratory animals. An oral vaccine triggers formation of an antibody called IgA. Working with the knowledge that oral vaccines can be taken in two forms—particulate and soluble—Dr. Cox has found, in animal studies, that ingestion of vaccine in a particulate form increases the protective IgA response and is, therefore, more effective than in a soluble form. The protection against tooth decay is further increased, he has found, if swallowing the oral vaccine is preceded by an injection of soluble vaccine.

Two dental researchers at the university have made a discovery that could improve the body's resistance to diseases that cause bone destruction.

Dr. Blasco Gomes, a periodontist, and Dr. Hershall Kaufman, an oral biologist, both in the School of Dental Medicine, have found that phytic acid—a natural substance commonly found in unrefined sugars and cereals—plays a role in improving resistance to bone destruction. Working with a complex fetal rat bone culture system, the dental researchers have obtained preliminary results suggesting that phytic acid and its derivatives are capable of inhibiting the loss of bone tissue.

Their research opens new avenues for investigating the possibility that phytic acid and its derivatives may prevent human bone loss associated with bone diseases such as osteoporosis and Paget's Disease, as well as periodontal (jaw and oral bone) problems.

No ideal substance has yet been found to treat osteoporosis—bone loss particularly affecting post-menopausal women—and Paget's Disease—bone turnover where bone enlarges looking like "cotton balls," particularly affecting men over age 45.

By the 21st century, drilling, filling and surgical repair of teeth won't be a dentist's major work as it is today. The forecast is that someday in the future—within the next 20 to 30 years—dental disease will be sharply reduced—and the Dental School is preparing students for that day.

"Because our students interact daily with clinical dentists and research scientists, they are being shaped as new-style dental practitioners, preparing for a changing profession," said Dr. Phyllis Garant, acting dean of the School of Dental Medicine. "We don't see general dentistry going out of existence," he added, "but it will change. Clearly, the dental student will still need to learn and become proficient with the time-proven restorative procedures. While preventive measures such as fluoridation, sealants, improved oral hygiene, and, possibly, vaccines are here or close at hand, these will decrease cavities and gum disease, not eliminate them."

The new evolutionary trend in general dentistry will require, he said, "that in addition to the basic foundation,

(continued on page 10S)



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For further information, contact Kayla Mendelsohn, Student Activities Director, at 67109, or Mark Aronoff, Linguistics Department Chairperson, at 63431.

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Owen Looks Back at Russia, Toward Venus

By Glenn Green

Venus is far more than the Roman goddess of love; for scientists she may hold some important answers to the atmospheric development of the inner planets—Mercury, Venus, the Earth and Mars. Two weeks ago Stony Brook professor and astronomer Tobias Owen, had the opportunity to see some of the latest data on the matter as guest lecturer at the annual Vernadsky Session at the Vernadsky Institute for Geochemistry and Analytical Chemistry in Moscow.

The session commemorates the birth-date of the late Soviet mineralogist Vladimir Vernadsky by the Soviet Academy of

Sciences. The session took place the week following the latest landings of two Soviet space probes on Venus—Venera 13 and 14. This was a fact Owen was keenly aware of, and in part served as an inducement for his going, he said.

The Soviets made their early interpretations of the Venus data available to Owen, who is and has been intimately associated with the American Voyager space program since 1972, as a member of the mission planning, operation and imaging science team. Indeed, Owen lectured on the Voyager missions to the outer planets at Vernadsky and at two other science insti-



Statesman Kenny Rockwell
Earth and Space Sciences Professor Tobias Owen has just returned from the Soviet Union and is now focusing his attention on Venus.



Statesman Montgomerie Johnston

Carl Sagan, the scientist and author whose television series and books about the origin of man and the worlds beyond our solar system, helped him become a household name, was honored Saturday night by the Stony Brook Foundation in its eighth annual awards for distinguished contributions to higher education.

Sagan praised Stony Brook's Earth and Space Sciences Department, which was the subject of this year's Foundation awards, and contradicted University President John Marburger's assertion that extra-terrestrial beings, if they do exist, are likely not to have heard of Stony Brook. Sagan said that if such beings visit Mars, they will see a small chip on the side of Voyager with the name of Stony Brook's Tobias Owen, who was instrumental in the NASA project.

tutes while in the Soviet Union.

One may wonder exactly why information about Venus is of value to us. The answer to this question essentially lies in that Venus had in the past been described as the Earth's twin, principally because it has about the same mass and size as the Earth. Nevertheless, it has a dramatically different atmosphere. The question, said Owen, is why? Perhaps Venus once had an atmosphere like our own. If so, what has happened to alter this, and what are the ramifications for our existence here on Earth? Questions of this nature, said Owen, make research into Venus such a potentially important subject.

The two Venera probes which recently landed offer the potential for new insight into the area. The data they transmitted during their hour of survival on the hostile Venerian surface is far better than any previously received, said Owen. Pressures exerted there are 90 times that of Earth and the surface temperature is a scorching 858° F, making longer survival difficult for any probe. While research into the latest data is in its initial stages, it has revealed a list of atmospheric constituents with much higher precision than either the Soviets or ourselves have been able to get in the past. They also obtained readings of the soil composition at the two landing sites superior to past readings.

Owen said that although the Soviets are eager and willing to share their information and data with the U.S., strained Soviet-American political relations have created problems. The American government, in its quest to combat the Soviets, has made cooperative efforts with the Soviets "difficult right now" Owen said.

"The government is not really being punished by this policy, it's the scientists, the artists, and so forth," he said.

Owen admitted to being envious of the Russian space program—but not of their social structure. "They [the Soviets] have a very dedicated long range program," Owen said. Meanwhile, the American space effort has been greatly restricted by budget cuts. An American space study of Venus set for the mid-1980s was one of the victims. Outside of the continuing Voyager program, a program called Galileo is slated for the later part of the decade. This program will send an unmanned orbiting probe around Jupiter. But, Owen said, although the money for building the orbiter is there, no money currently exists for building the rocket to get it to Jupiter.

Such is the space scene as it currently exists. Owen said he hopes that wisdom will overcome warring tendencies, so that more cooperative, rather than antagonistic, pursuits lay ahead.



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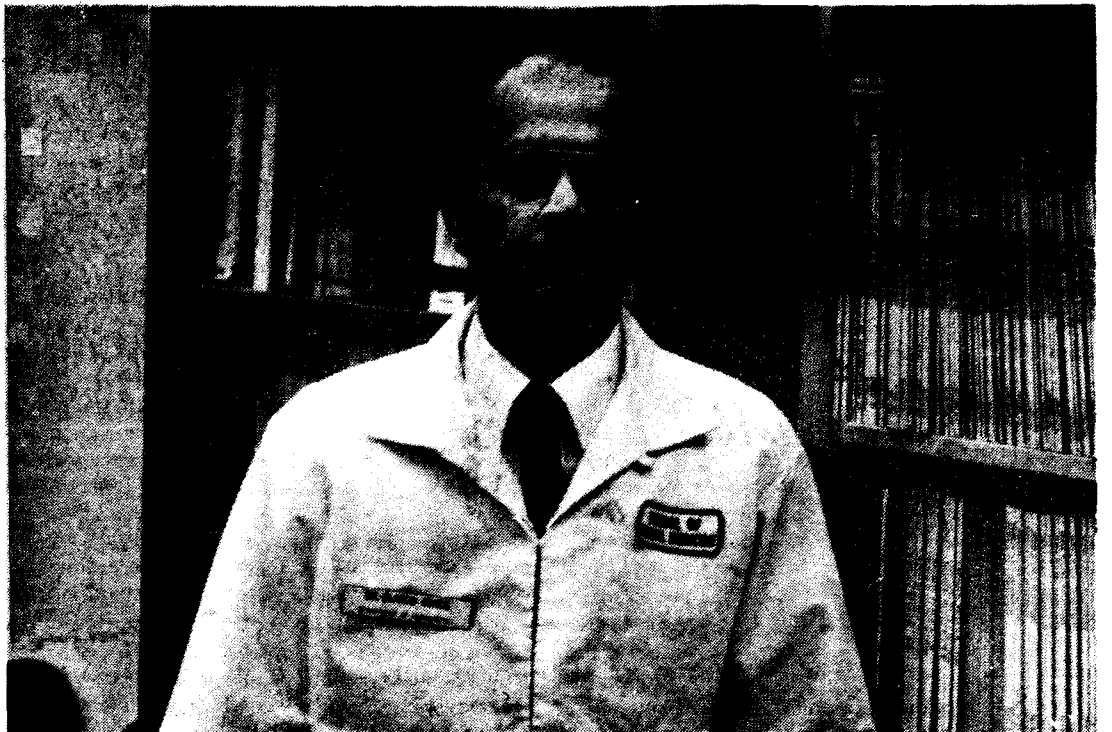
The Health Sciences Center's Health and Public Affairs Committee will award three scholarships in the amount of \$500 to Christine Miller, School of Allied Health Professions; Barbara Herbert, School of Medicine and Melanie Yackery, School of Nursing for their essays "Professionalism and the Public Interest: Common Goals and Contradictions."

In discussing the broad topic,

two of the students, Miller and Yackery, chose to relate the topic to the aged population in the United States. Miller, a fourth year student in the physical therapy program, directed her essay toward the geriatric population in America and their dehumanization in institutions. Yackery, a fourth year student in the School of Nursing baccalaureate program, addressed her remarks toward the "growing rift between

professional standards and Federal support for such standards with respect to the aged population." Herbert, a second year medical student, criticized professionalism as we know it "for not realizing its full potential."

University President John M. Marburger presented the scholarship awards at the annual Visiting Lecture in Health and Public Affairs last Thursday.



Statesman Steven D. Joel
 Periodontist Blasco Gomes has found that a natural acid plays a role in improving resistance to bone destruction.

Dental Researchers All Smiles

(continued from page 7S)
 dental students will have to master new skills and new approaches to disease control."

He added that because Stony Brook's dental students have access to the latest clinical techniques and are being trained in an environment where oral research is going on, they will be prepared for the coming changes in the dental profession.

One unusual aspect of Stony Brook's dental education program is its emphasis on expanded training in the sciences. This prepares students to be broad-based health professionals, attuned to the relationship of oral disease and general body systemic functions.

"Our students receive a thorough survey of molecular biology and immunology in addition to traditional basic sciences while in their first year," Garant said.

This is followed by a course designed by the School of Dental Medicine on Oral Diagnostics. In their final year of study, Stony Brook dental students apply a number of the newly developed oral diagnostic techniques to patients in the clinical setting.

Stony Brook dental students—because they are learning at a university-based and research-oriented dental school—are among the first to learn about new sophisticated clinical procedures, both in office and hospital

dental settings.

Another advantage for students is that they have access to the latest developments in dental research. Members of the departments in the Dental School are engaged both individually and collectively in research.

Such teaching, research and clinical developments are pointing the way toward the future of dentistry, says Dean Garant. He adds his belief that university-based health sciences centers like Stony Brook's, which gives students opportunities to interact with medicine, the social and basic sciences and clinical health care services, "will be the crucibles out of which the new dental practitioners will evolve."

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Engineering Professor Abraham Berlad with his new, better-insulated window.

Statesman David Morrison

Prof Engineers Energy-Saving Window

(continued from page 3S)

panes of glass, would provide a sealed sandwich package of four insulating layers surrounding three insulating air spaces.

It is with such a two-blind window that he has achieved an R10 solid wall insulation value test rating. However, even with a single blind, which he believes will be most attractive for commercial production, he has achieved an R rating of 7.5 for the new window. That compares, he said, to an R value of less than one for an ordinary window, 1.5 for a window covered by a storm window, 1.7 for current two-pane window and two for the current institutional two-pane window/blind combinations.

A low-thermal conductivity bonding material joins the new window's two panes, instead of the highly conductive aluminum bonding material currently used in two-pane windows. The bonding helps inhibit heat transfer, making the new window an excellent insulator even when its blind is out of sight.

The blind's construction from aluminized plastic material inhibits most direct infrared radiant heat transfer.

Berlad's research has shown that this aluminized material has great insulating value all by itself. "You could get an R value of three, nearly twice that of an ordinary window and storm window together, simply by stapling a sheet of aluminized plastic sheeting onto the back of every window shade in your house," he said. Aluminized plastic material is available commercially, Dr. Berlad notes, but it is not in wide use.

The blades of the blind are covered with a ten thousandth of an inch thick aluminum coating. The coating is thin enough to avoid the conductivity losses normally associated with thick aluminum

blinds. Yet, the polished aluminum surface provided by the coating gives the blades additional insulating value by reflecting both visible and infrared light/heat waves back into a building—or by keeping light and heat outside when the window is used for hot summer conditions.

The white paint coating on conventional blinds is of some value since it reflects visible light. However, white paint absorbs infrared radiation instead of reflecting it, thus contributing to heat loss.

The new window gains further insulating value, Berlad said, from the non-rectangular, aerodynamic shape of its venetian blind blades. It is this design which provides the blind's "solid wall" effect when it is closed.

Installed on the south side of a house, such a window could also be used as an efficient solar energy collector, Berlad observes. It will, he said, provide a high R-value window system even when the blinds are "open" in a solar acceptance mode.

Berlad believes that it will be possible to produce the new window commercially at an installed cost of about \$10 a square foot. That compares to \$7 a square foot for ordinary two-pane windows, \$5 a square foot for a standard window or storm window and more than \$30 a square foot for an active solar energy collector.

Berlad, an authority on energy conversion, serves as a director of the International Combustion Institute. For at least a decade, he has been focusing much of his attention on energy conservation research. As a result, his Energy Technology Laboratory at Stony Brook has contributed to the development of more effective space heating technologies, and a better understanding of how insulation materials and window systems can be improved to serve consumer needs.

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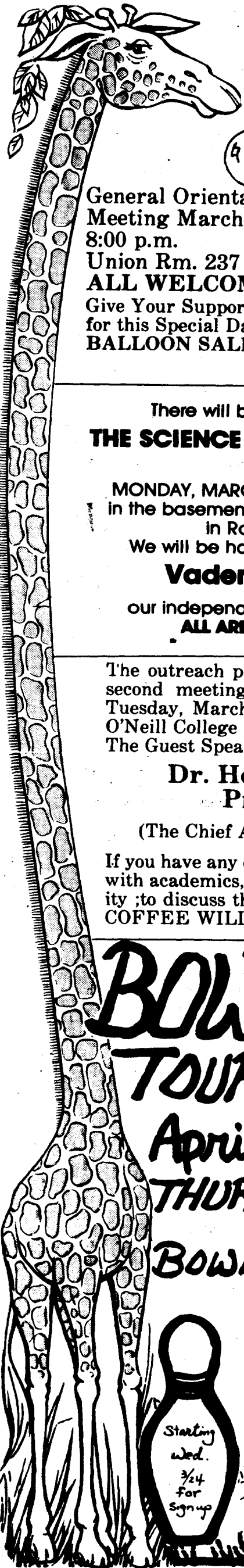
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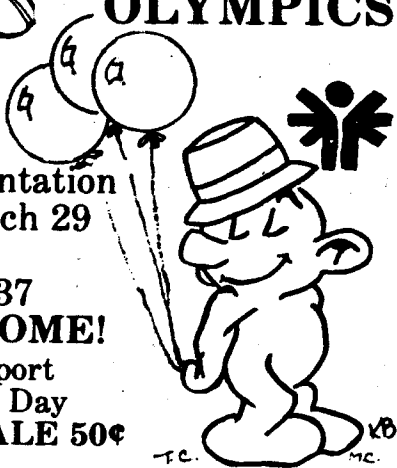
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There will be a meeting of THE SCIENCE FICTION FORUM

on MONDAY, MARCH 29th at 1:00 p.m. in the basement of Hendrix College in Roth Quad

We will be holding sign-ups for **Vader' Raiders**

our independent softball team. **ALL ARE WELCOME.**

The outreach program is holding its second meeting of the semester on Tuesday, March 30th at 9:00 p.m. in O'Neill College Lounge. The Guest Speaker will be:

Dr. Homer Neal
Provost

(The Chief Academic Officer)

If you have any questions or problems with academics, it is a good opportunity to discuss them. So **BE THERE!** COFFEE WILL BE SERVED!

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April 1, 6-12 p.m.

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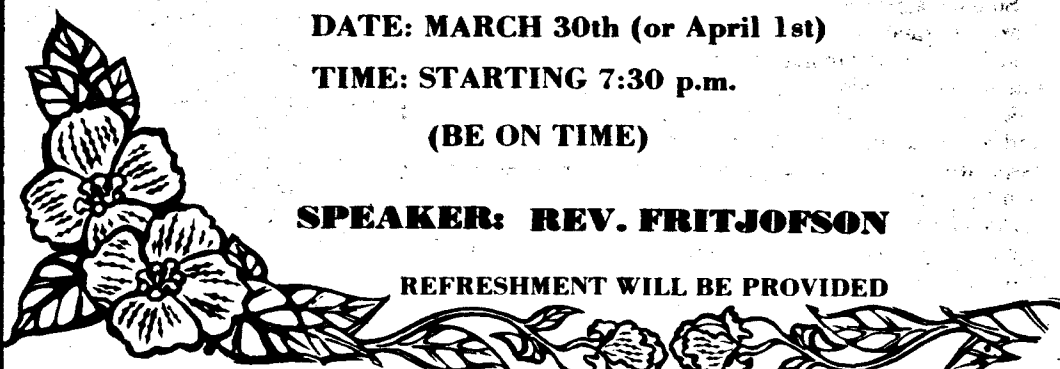
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-Viewpoints-

Stony Brook, Other LI Schools, Short-Changed

By George Hochbrueckner

Consistent with their past exposes on the Shoreham Nuclear Power Plant problems, the unfair treatment of Long Island telephone customers, etc., Newsday investigative reporters have again hit the nail on the head with their March 2 article on the State University of New York (SUNY).

Their basic message is that Long Islanders are being shortchanged by the SUNY system and Newsday is absolutely correct. That is why I always have and always will support the expansion of the State University at Stony Brook.

The Newsday article made several important points:

- Nassau and Suffolk's high school graduates provide 25 percent of the enrollment at all SUNY institutions, but only 11 percent of SUNY's four-year college seats are on Long Island—at Stony Brook and Old Westbury.

- Nassau and Suffolk have more than twice as many two-year college seats as four-year places, making it difficult for two-year college graduates to transfer into four-year places near home.

- SUNY in Nassau and Suffolk provides the fewest seats in engineering, applied sciences, technology, computer science, statistics and business of any region. Upstate schools capture the bulk of students desiring training in those fields.

While the present statewide imbalance whereby the student population is downstate and the SUNY facilities are upstate occurred due to the historic growth pattern of the SUNY system and the more recent population explosion downstate, the only real answer is to put more state resources into the Long Island SUNY system.

Unfortunately, these are tight budget times and again this year the governor has not only proposed SUNY system cutbacks but has proposed cuts at Stony Brook, Old Westbury and Farmingdale.

So once again we find ourselves moving toward an April 1st deadline for passing the state budget, in a position of trying to not only restore the proposed cuts but to try to make up for some of the historic short-changing that has occurred to Long Island students and their parents who pay the extra room and board associated with sending children upstate for an education they should be able to get locally.

For those readers who feel moved by this unfair situation, I suggest that you write to Governor Carey and the legislative leaders and express your concern and insist that this situation be changed.

Write to:

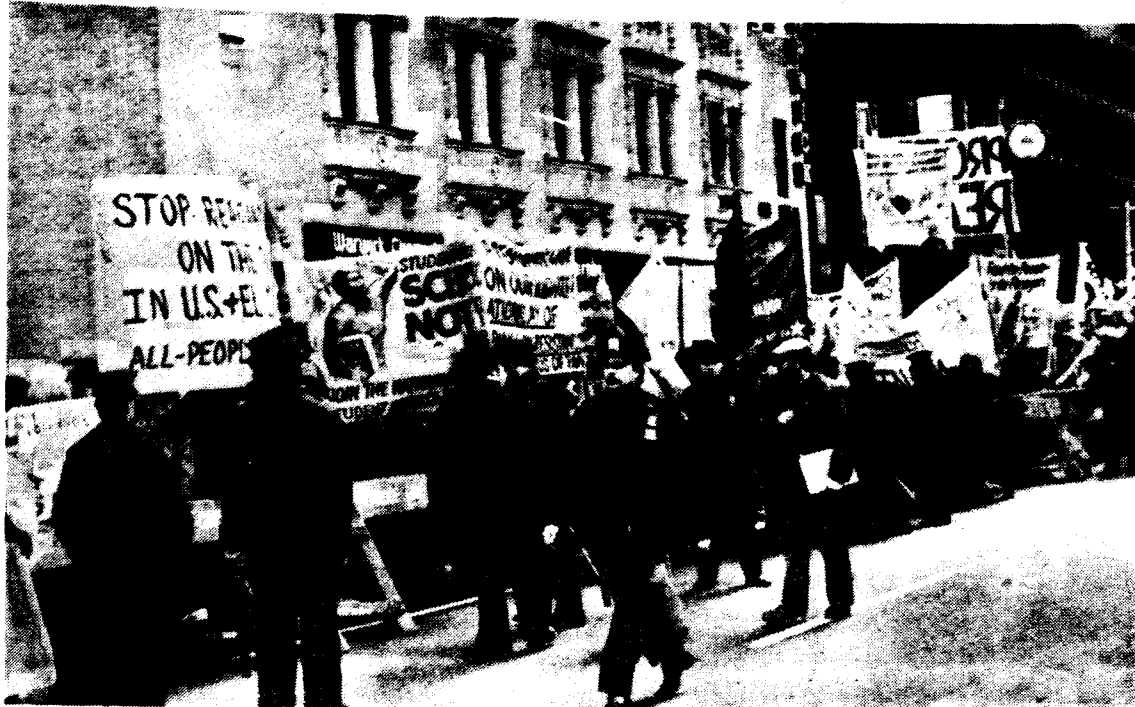
Governor Hugh L. Carey
Executive Chamber
Albany, New York 12224

Majority Leader Warren M. Anderson
New York State Senate
Albany, New York 12247

Assembly Speaker Stanley Fink
New York State Assembly
Albany, New York 12248

(The writer is the State Assemblyman from this district.)

Statesman accepts letters and viewpoints from its readers. Letters and viewpoints must be typed, triple-spaced and 350 and 1000 words, respectively. Letters and viewpoints are published on a first-come, first-served basis.



Statesman/David Morrisson

Story of Anti-Reagan Rally Was Inaccurate and Unfair

By Mitchel Cohen

Dear Statesman:

Your reporter's characterizations of the protesters going to the anti-Reagan demonstration in New York City on March 23 are both offensive and inaccurate.

Fifty seven people took the busses from Stony Brook (and another 12 went by car)—not a bad turnout at all, in my estimation. Had your reporter bothered to delve beneath the superficial, perhaps he would have found something more to report on than the "mellowness" of the bus trip, and a few hollow quotes. It is, after all, an unusual occurrence when students from many other countries group together to act. In our Stony Brook contingent were students from Uruguay, Iran, Mexico, Cyprus, Germany, S. Africa, Spain and Puerto Rico in addition to those from the U.S. Surely your reporter should have tried to delve into the backgrounds and motivations of such an international contingent protesting the U.S. government's intervention in El Salvador and the rest of Latin America, and against the budget cuts, instead of musing about the tie-up at the entrance to the Midtown tunnel.

Had your reporter involved himself in a more attuned or sensitive way, he would have found that many of the Stony Brook crew were attending their first demonstration. Perhaps he would have then understood that the point of my "pep talk," as he so disparagingly termed it, was not rhetorical but of an informative nature, to relieve peoples' unnecessary anxieties, to give them legal assistance numbers to call in case of emergencies, and to let them know what to expect once they got to New York. Perhaps the "mellow" good feelings on the bus were not only due to the excellent and excited natures of the people present, but also to the way the event was put together—very smoothly and efficiently, with the sharing of information and, most important, with the evident sharing of concern for each others' well-being, with particular care being taken to plug into the anxieties people from other countries might have, or the things people coming to their first demonstration might worry about.

That prices rose from \$5 to \$6 on the last day—your reporter made a big deal out of this because we asked him to pay for his ticket, glory be—is somehow held against us in the article, instead of your reporter realizing that we added on a bus at the last minute to accommodate the late-comers, a bus we didn't expect to fill. Realizing this in advance, we tried to cut into the cost of the extra bus by charging a dollar extra for those people buying their tickets at the last moment, who

would ride the extra half-filled bus. We felt the demonstration was important enough to get people to go that we added that extra bus knowing we would have to take a \$100 loss on it, even with the extra dollar added to the ticket price. If Statesman or anyone else would help us pay the deficit, we'd appreciate it.

The demonstration itself was an incredible raging success. The speakers were terrific, and the multi-racial, class-oriented nature of the crowd reflected the kind of grass roots organizing that went into it. Eight Red Balloons had been in and out of the city for a month now leafletting the subways by the thousands. For every person at the demonstration, there were 30 others who knew about it in advance from posters and leafletting, and thousands of others who supported its demands.

The high point of the demonstration, for me, was being approached by a middle-aged black man in the middle of 10,000 throbbing, hollering maniacs on 6th Avenue, between 54th and 55th Streets. "Hey there" he said. "Hello," I responded, "Where do you know me from?"

"Don't you remember?" he said. "You gave me a leaflet last week on the 'D' train." I suppose I was stunned, for the man just smiled at me, said "thanks," and we both melted into the crowd. "Thank you," I finally called after him, after the chills had finally dissipated up and down my spine. But at that moment Ilze grabbed me, with her tale of how she and Dennis had got into the Hilton right up to the ballroom on their phony press pass. She showed me the official brochure she'd pilfered while inside, with a picture of Henry Kissinger, who was scheduled to give the award to Reagan. "From one mass murderer to another," I thought, "Humanitarian of the Year." Ilze then reminded me that I owed her \$50 for the phone bill, and I figured that was as good a time as any to get back to the Stony Brook contingent, which was hollering, along with everyone else, right in front of the stage.

The busses returned to Stony Brook on schedule with lively discussion, and anticipation of an even larger demonstration in Washington D.C. this Saturday, for which a lot of the people on the bus say they're going to try to form a car-pool and attend.

Now why can't Statesman reporters report what really happened?

(The writer is a member of the Red Balloon Collective, which organized the trip to Manhattan to protest President Ronald Reagan's policies on March 23.)

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College Notes

Pennsylvania Students Block Tuition Increase

Over 76,000 Pennsylvania students have narrowly missed becoming the next victims of mid-year tuition increases, thanks to a lawsuit filed by the Commonwealth Association of Students, a "technicality" in the tuition approval process, some free football tickets, and a last-minute budget increase awarded by the state legislature.

Students at state schools in Oregon, Minnesota, Wisconsin, California and Wisconsin, among others, have recently been hit with mid-year tuition or fee hikes. Until last year, educators traditionally increased charges only at the beginning of the academic year.

In January, the Pennsylvania board of education voted to hike tuition for the spring semester by \$75 to help pay for faculty salary increases.

But the Commonwealth Association of Students (CAS), the statewide student coalition, sued the board, claiming the hike would violate its original "contract" with the students to provide an education for \$625 a semester for this year. CAS also claimed the Pennsylvania State Colleges and Universities Board of Directors didn't have a quorum present when it approved the increase.

A state court temporarily stalled the increase until the merits of CAS' suit could be heard. But, even before lawyers could argue the case, the state legislature awarded the colleges a six percent budget increase, and the board of education rescinded the tuition increase.

"The \$75 increase has been withdrawn for spring, 1982," said John E. Worthen, president of Indiana University of Pennsylvania, one of the state schools affected by the decision.

"But the [state] secretary of education has already made it clear that there will be tuition increases for fall, 1982. How much it will be hasn't been decided, but there will undoubtedly be an increase."

Rescinding this year's hike means the schools will have \$5.7 million less to work with, but most of that sum will be made up by the budget increase.

Colleges in some 19 states have had to cut back one way or another because legislatures have cut their budgets from previously-set levels. More state systems are expected to try to compensate for those losses by laying off faculty and staff, limiting enrollment, and increasing tuition and fees either now or next fall.

Pennsylvania schools avoided that fate, at least for the moment, through a well-organized protest campaign orchestrated by CAS and an intensive lobbying effort.

While reluctant to take credit for the budget increase, Penn State University lobbyist Frank E. Forni does note he spent some \$22,000—the second highest amount spent by all lobbyists in the state last year—wooing lawmakers.

Most of the money was in the form of football weekends at Penn State's main campus, where legislators got to attend the game and afterwards relax over dinner.

"We use whatever is available to get them here," Forni said. Once there, "they have a much better idea of what we're doing."

As for next year's anticipated tuition increase, "I think we all must work harder at selling the message of higher education," Forni said.

Students Protest Against Salvadoran Intervention

Campus opposition to U.S. involvement in El Salvador has grown noticeably more vocal in recent weeks in response to President Reagan's requests to increase aid to the Central American country's government. Moreover, opposition movement organizers predict their movement will gain momentum this spring with a series of planned protests and demon-

strations around the country.

In just the last two months:

- Twenty University of Massachusetts students were arrested when they occupied the office of Congressman Silvio Conte in an effort to pressure Conte into voting against the Reagan request for an additional \$55 million in aid to El Salvador.

- Nearly 3000 students at the University of Colorado rallied against increased aid to the Duarte regime.

- More than 300 students demonstrated in Los Angeles the same day that 4000 rallied in New York against U.S. policy toward El Salvador.

- Some 200 protestors—many from the University of North Carolina-Greensboro—braved sub-zero weather to picket nearby Fort Bragg, where several hundred Salvadoran soldiers reportedly are training.

Perhaps even more significant than those and other recent campus protests in reaction to the flurry of administration pronouncements is that student rallies and teach-ins, after peaking in a 100,000-member march on Washington last May, re-surfaced and continued throughout the fall and winter without much official provocation. Campus political activity is typically low during the cold months.

"Students are now playing a leading role in the movement," said Brian Becker of the People's Anti-War Mobilization Committee (PAM) headquarters in Washington, D.C. "We have several national mobilizations taking place in the next few months in which students will play a prominent role."

"I think students can see the link between U.S. policy abroad, such as in El Salvador, and cuts in financial aid, the return of the draft, and other domestic policies," theorized Mark Warschauer, spokesman for the Committee on Solidarity with the People of El Salvador (CISPES). "Students across the country will continue to mobilize until U.S. intervention in El Salvador is stopped," Warschauer confidently predicted, adding that CISPES has active committees on over 100 campuses nationwide.

Movement leaders are, like other leaders of other campus movements, prone to comparing their efforts to the anti-Vietnam war campaign.

Turkish Prof Quits After Assassination

Los Angeles, Ca.—A UCLA Turkish history professor who, in the weeks before the assassination of the Turkish consul general in Los Angeles had become a target of Armenian students' protest, has quit teaching his controversial course for the time being.

In a continuing January protest that degenerated into name-calling and occasional shoving matches, some UCLA Armenian students complained that Prof. Stanford Shaw's Turkish history course and textbook "glossed over" the 1915 Turkish massacre of as many as one and a half million Armenians.

Shaw had refused to change the content of the course or the textbook.

But soon after the January 28 murder of Kemal Arikan, the Turkish consul general in Los Angeles, Shaw abruptly resigned from teaching the class.

"All I'm prepared to say is he has dropped the spring class, and he will be back next semester," UCLA History Department Chairman Hans Rogger said.

Armenian Student Association President Jim Amirkhan told the UCLA Daily Bruin that, "We can't consider this a victory, although we're happy [Shaw] has temporarily stopped his teaching."

Shaw could not be reached for comment. Prof. James Reid took over the class on less than 24 hours notice, noting to the Bruin that "I'm a little broader in some ways than others. Basically there was a massacre (of Armenian in 1915) resulting partly from policy and a badly managed military."

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For additional informational contact Dr. Gladue, Department of Psychiatry and Behavioral Science, HSC T-10, SUNY at Stony Brook (246-2551) between 10:00 a.m. and 1:00 p.m. weekdays.



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Georgetown Turns Bad To Good

New Orleans— Georgetown's John Thompson, who likes to stress the good things about his team, says a little badmouthing from others doesn't hurt.

"I have a way of turning the negative into positive," Thompson said yesterday, the day before the sixth-ranked Hoyas, 30-6, meet No. 1 North Carolina, 31-2, for the NCAA championship. "I like people to say negative things about us and say we can't do things because we want to go out and prove we can do it." Thompson said.

The Hoyas have had their share of adversity this year, and Thompson certainly has made the most of it.

In January, the Hoyas lost consecutive games to Syracuse, Connecticut and Providence.

Instead of dwelling on the team's slump, Thompson gathered the players and had each one say something positive.

"Someone said the team was versatile and that we had determination and weren't quitters," recalls senior Ed Spriggs, at age 25 the Hoyas' stabilizing influence.

The Hoyas have since won 17 of 18 games to reach the Final Four for the first time in 39 years.

Martina Finally Loses

New York— Sylvia Hanika of West Germany rallied from a first-set wipeout and upset Martina Navratilova 1-6, 6-3, 6-4 yesterday in the singles final of the \$300,000 Avon Tennis championships at Madison Square Garden.

The loss halted Navratilova's winning streak of five straight tournaments and was her first defeat since the Toyota Championships in December.

For Hanika, the victory, only her second over Navratilova in eight career meetings, was worth \$100,000. For Navratilova, who was top-seeded in a select eight-player field, it was the third defeat in the final of a major tournament in six months.

Finger Lakes Finally Opens

Canandaigua, N.Y.— Finger Lakes Race Track opened its 21st season yesterday, after three consecutive postponements due to bad weather.

In the featured seventh race, Stormy Lacima, a 3-year-old bay colt driven by Kevin Whitley, scored a length-and-a-half victory over Herbobed. Elby Bee was third in the 10-horse field.

The winner covered the 4½ furlongs in 53 and one-fifth seconds to return \$16.40, \$11.50 and \$5.80.

A 2-1 daily double combination paid \$27.60. In the ninth race, a 2-1-7 combination returned \$1,815 in the \$2 trifecta, while the \$6 box trifecta paid \$907.50. A crowd of 4,410 wagered \$410,864 during the nine-race program.

Turnbull Takes Third and 30,000

New York— Wendy Turnbull of Australia, ranked ninth in the world and seeded fourth here, continued her mastery over Anne Smith, dowing the Dallas native 6-1, 6-0 to capture the third-place prize of \$30,000. Smith, who received \$22,000 for finishing fourth, never has beaten Turnbull in their six meetings.

Turnbull roared through the first set, Smith winning only the sixth game. Then the Australian, who also collected \$2,875 in doubles play, destroyed the game but outgunned Smith in the second set, winning the final game at love.

Smith, who teamed with Kathy Jordan to finish runner-up to Navratilova and Pam Shriver in the doubles, finished the week with \$28,750.

Jordan collected \$20,500, Mima Jausovec of Yugoslavia won \$13,750, Shriver \$12,500, Barbara Potter \$12,325, Bettina Bunge \$9,250, and Sharon Walsh \$2,875.

Revamped Super Sixteen

Glens Falls, N.Y.— Despite the best showing ever by New York state's public high school basketball teams, the "Super 16" may be no more.

State athletic officials announced Sunday that a vote will be held in May on a plan to revamp the format of the championships. If the recommendations of a state Public High School Athletic Association committee are adopted, fewer parochial schools will qualify for next year's playoffs.

-Classifieds-

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COLLEGE SELECTION IS COMING! Do you need someone to room with next semester? CONNECTIONS will computer pick the perfect match for only \$2.00. For application send name and address to P.O. Box 78, E. Setauket, N.Y. 11733.

THE STINK BOMBS are available to play at your party or event. Call RHS 821-0379.

ELECTRIC MINSTREL, the best in DJ entertainment. We have ALL types of music: Newest wave, surf punk, disco, lots of reggae and African music. Also male and female DJs. Go-Go dancers, psychedelic light show. Call Murray 928-6469.

TYPEWRITER repairs, cleaning, machines bought and sold. Free estimates. TYPE-CRAFT 4949B Nesconset Highway, Port Jefferson Station, N.Y. 11778. 473-4337.

LOST AND FOUND

LOST: A glasses case with a green print pattern and 2 fine point pens hooked onto it. It was lost somewhere between Tabler and the lecture hall on Sat. night. If found please call 6-7841. Thank you.

LOST: Psych. 102 text during Chem. 134 lecture. \$5 reward. Call 473-7680.

LOST: Ladies gold-tone Timex Quartz watch. If found please return. Call Carol 628-2922. Great sentimental value.

CAMPUS NOTICES

HAVING ACADEMIC PROBLEMS? Thinking about taking a "W" or "P/NC?" Do yourself a favor and make an informed decision. See an Advisor in Curriculum & Instruction (Library E3320).

WOMEN'S HISTORY WEEK film festival Tuesday and Wednesday, March 30-31. Library Galleria Exhibit Room, noon to 2 PM. Short films about women, featuring "The Other Half of the Sky," on Wednesday.

COMMUTERS: Commuter college now has a typing room available for your use. I.D. required. Union Room 080.

TERM PAPERS: Free one-hour workshop focusing on how to approach term paper assignments. Undergraduates only! Sign-up now for the workshops on Tues. 3/30 at 2 PM, Wed. 3/31 at 10:50 AM, or Thurs. 4/1 at 10:15 AM. The Study Skills Center, ECC Bldg., Rm. 237; 246-8435.

PERSONALS

SEND NO MONEY NOW! Response to CONNECTIONS first ads was tremendous and we still need more matches right now. CONNECTIONS will find you the person you're looking for—and it only costs \$2.00! For application send name and address to P.O. Box 78, E. Setauket, NY 11733. ACT NOW!

COME SEE ALDO CELLA, Thurs., April 1st at the James Pub. Chill-A-Chella night. Prizes will be given.

DO YOU LIKE TO HAVE A STORY READ TO YOU and a goodnight kiss? Then you're ready for the Leukemia Committee's Tuck-In Service! Two wonderful females or male tuckers will be at your service March 29th, 30th and 31st. Phone in your reservation to 246-7109 March 22-31st and bring \$1.00 per tuck-in to Union Room 266. All proceeds will go to the fight against leukemia. See you in la la land!

HAVING A PARTY? Let Midnite Riders DJ your next one. Punk, Disco, Danceable Rock. Reasonable rates. Call 246-7538.

JAMES PUB PRESENTS CHILL-A-CHELLA NIGHT. 2 glasses for \$1. Come see Aldo Cella, Thurs., April 1st. Doors open at 9:00 PM. Prizes.

L.I. MARATHON REGISTRY: Run May 2 with support from others who run your same pace. FREE. Call Eric days 6-7196. Leave name, expected 26-mile time and phone. I'll get you in touch with other runners as the listing develops. Pass the word.

DO YOU LIKE TO HAVE A STORY READ TO YOU and a goodnight kiss? Then you're ready for the Leukemia Committee's Tuck-In Service! For just one dollar you can have the pleasure of being tucked in by two magnificent guys or girls! Tuck-ins will take place on March 29th, 30th, and 31st. Reserve your space now by bringing your money to Room 266 of the Union beginning Monday, March 22nd through March 31st. This event is open to guys, girls, commuters and residents. We will tuck you in anywhere on campus! Do it for yourself or surprise a friend! All proceeds will go to the fight against leukemia. Sweet dreams! For more information call 246-7109.

GO WITH THE PRO! \$2.00 is the total cost to be CONNECTED. Find a roommate, friend, or lover—or just meet someone kinky enough to answer an ad like this. It can be fun! For application write: CONNECTIONS P.O. Box 78, E. Setauket, NY 11733.

WEDNESDAY, MARCH 31 we will all be miles from home. Come to the Rainy Night House.

WENDY B: Hope we become more than friends! How about some gum? Good luck going over. I got your back. Love Joe.

COMPANION WANTED: Male or female—to travel through Europe this summer. Prefer someone who speaks English plus other languages. Call Fabio 246-9313.

CAN'T STAND YOUR ROOMMATE? Are you going out of your mind worrying about what you're gonna do next semester? For just \$2.00, CONNECTIONS will computer pick a roommate, friend, lover, whatever! For application write: CONNECTIONS, P.O. Box 78, E. Setauket, N.Y. 11733.

BILL WAS A MAN who made the claim, that the size of his dong would bring him fame, one day he awoke, his wife said no thanks I don't smoke, things that are short, stubby and lame.

TO THE GOAT WOMAN OF TOSCANINI: Thanks for being a great roommate and a better friend; and the next time you go cow-tipping, remember not to be such a "dick-head." (By the way, Happy Birthday to you...I know, that's your favorite song!) Love, your roommate the rabbit.

DEAR PETER, Happy Birthday, now you're really an old man. This is your birthday message: I love you! Happy Birthday. Love, your Candy.

ROSIE: I don't mind doing 360s for a while. But how long does the tread have to last?

SPECIAL OLYMPICS 1982 ORIENTATION MEETING: Special Olympics is an international program of physical fitness, sports training and athletic competition for mentally retarded children and adults. Orientation meeting Monday, 8:00 PM, Union 236. March 29th, for this year's celebration of love.

THE F-2 VIRGINS: We understand, and we love you anyway.

ANY COUPLES INTERESTED in making a room switch for fall '82, call 6-5608. Must have stable relationship. Ask for Luisa.

FUBAR-FU*KED UP beyond all recall, this Thursday night. Thrown by Kelly C at Kelly cafeteria. 25 kegs wine, live band, DJ, hot dogs and a good time.

DEAR MARYMELON: Shhieeeett, what would I do without my little xenobia to give me wet willie eyelids? Happy Anniversary toots, every one of our five (!) months together has been better than the last. Maybe by this summer you'll be making me dinner. Tomorrow we learn ow to boil water. So you think you're cuter than I am, huh? Don't worry, I got you a mirror and a pin for your birthday. Oh yeah, where the hell's my Christmas present? Love, R.

ALDO IS COMING, Thurs., April 1st at the James Pub. Prizes. Chill-A-Chella night.

ATTENTION ALL FRIENDS OF SISTER FLEA: Thanks for making my 19th the bestest ever and for my "This is not a surprise party" it was!! And I thought I got no respect. By the way, I had to fight Sylvester off in bed last night. At least I had those little woolies to keep PART of me warm! And, uh, Puff—you owe us that serious ten dollars! Luv you all to pieces! Sister Lisa Flea.

HOW WILL YOU LIVE THROUGH MID-TERMS WEEK? Do it with Mr. Moderation and Earwig—they'll eat your brain (if cramming hasn't already done that!) I'm talking about rock and roll to write home about! I'll send a FREE—yes, FREE—Mr. Mod 45 to the first ten people who write to me, Annie, at Box 201, East Northport, N.Y. 11731. Do it now!

HAVE YOU WRITTEN FOR YOUR FREE Mr. Moderation 45 yet? Look for address in this personals column now!

FUBAR PARTY, Kelly Cafeteria this Thursday. Beer, wine and song. A day you will remember, a night you will not.

RONNIE: Thank God I don't have to worry about the chinaware at End of the Bridgel Nancy.

GET CONNECTED! For two lousy bucks you too can join those who have met girlfriends, boyfriends, roommates, housemates, whatever! Have fun meeting a stranger chosen for you by computer. Send your name and address to CONNECTIONS, P.O. Box 78, East Setauket, N.Y. 11733. For faster service please include \$2.00 payment.

BE THERE OR BE FORGOTTEN! Kelly C's Fubar Party at Kelly Cafe this Thursday 25 kegs wine, food, a DJ, and a band.

WILSON: "Te quiero mucho," Withier and I miss you. We can't wait to see you. All my love, Lisa.

GOOD OLD DAYS IN O'NEILL Pitcher bets, crazy room mates, free play tickets, salaciousness, being in like, pancakes, pinkness, get naked parties, shots and white wine. So many good memories of times past—here's to the ones that lie ahead. Happy Birthday Pool I love you.

MITOKE SHELE AVI. And though we are as nothing to the stars that shine above, you are my universe, you are my love. Happy 5 month anniversary I love you. Lori.

SB Lacrossemen Compensate and Take Iona



Stony Brook attacker; ready and waiting.

Statesman photos: M. Buckhalter

By Lisa Soltano

Despite the loss of its co-captain and star midfielder, Ray McKenna, the Stony Brook Lacrosse Team defeated Iona College, Saturday, 14-5.

Because of Stony Brook's covering ability, Iona was only able to take nine shots. Charlie Nicholas, a newcomer to Patriot Lacrosse, covered the opposing team's best player. He held him to only one point. Goalie Joe Schlego made five saves and Stony Brook took 34 total shots.

Steve Pollack was the game's high scorer with five goals. Pollack has accumulated 27 points in four games. Behind him was freshman midfielder John Warrack who scored four goals against Iona. Jimmy Bianco, Mike Giangrasso, Terry Russel and Bob Zippo also scored for Stony Brook.

"Our stick was working better than theirs," said John Ziegler, head coach.

The biggest disappointment of the lacrosse season so far has been the loss of McKenna, midfielder and co-captain. McKenna broke his leg during a home game against Oswego and will be out for the duration. His injury has handicapped the team in the last three games.

According to Warrack, "We're losing a lot with Ray hurt, and the rest of the midfielders will have to pick up the slack." The rest of the midfielders managed well without McKenna.

This Wednesday the Patriots will play Division I Fairfield University. Stony Brook is currently a club team.



Ball in pocket, the midfielder attacks.



Men's Tennis Swings High

By Seth Lane

With the arrival of spring and progressively warmer weather the Stony Brook Men's Tennis Team begins its 1982 season with hopes of topping last year's 8-6 record.

The coach, Leslie Thompson, is quite optimistic about this year's team. Thompson said the team has first-rate singles and doubles players and excellent back-up people. "This is the first year that we have had depth all the way though", he said. He added that the players are experienced and strong.

Although last year's top seeded player John Buyko has decided not to return, the team has new transfer and freshmen players to compensate. This season's top seeded player is senior, two-year team captain, Bruce Sauer.

Ranked second in the singles for the Patriots is another SAUER. Freshman Roby Sauer was top seeded singles player in high school. The Sauer brothers are also Stony Brook's top doubles combination.

Originally from England is third singles player Alex Morrison. Morrison, a sophomore, is "an excel-

lent player that the team is lucky to have," said Thompson. Fourth, fifth and sixth seeds are Dennis Marcus, Steve Saks and Alan Shapiro. Since the three all come from the same town, they're called the "Bayside Connection." Shapiro, a sophomore, had an excellent season last year and almost won the Metropolitan Collegiate Tennis Conference singles title.

The most advantageous aspect of having such strong individual players is when they are combined as doubles. Thompson is confident that the doubles will do extremely well this season, hoping to bring home some titles from the MCTC championships. The pairs are Sauer and Sauer, Morrison and Saks and Marcus and Shapiro, ranked first, second, and third, respectively.

Overall the coach expects this to be one of the finest seasons Stony Brook tennis has seen. The experience that the athletes have will prove beneficial when they meet stronger conference teams. Additionally, the powerful reserve players such as Nagi Nath and Mariscio Zurita will add to the team's depth.

Officially the competitive season begins tomorrow when Stony Brook meets Mercy College at 3 PM.

Bikers Roll On Army and Navy

By Rick N. Owens

The Stony Brook Bike Team, America's new secret weapon, came home with first place from the first intercollegiate race of the season Saturday at the University of Maryland. Second went to West Point and third to Annapolis with Lehigh and Princeton rounding out the top five.

Scoring is based on the top three riders from each school in each of the three divisions, Men's A, Men's B and Women's. One hundred points goes to the winner of the men's A race, 98 for second and so forth down to 25th place. The winner of the men's B and women's race gets 50 points, 48 for second, also down to 25th place.

The day started out with mishap as, due to car trouble, Kristin Fellene missed the women's race by a few minutes. This was costly pointwise, since she probably would have placed well.

Next was the men's B race in which Ken Welke, Karlin Meyers and Chris Joinnides took second, third and seventh, respectively. Steve Weiler and Mike Klisch were the other Stony Brook finishers. In the premier men's A event, Tom "The Bomber" Ervolina, Eric Zaltas and Jim Merkel got sixth, seventh and eighth. Stony Brook's point total turned out to be 446, better than Army by eight points.

The course was a 1.5 mile loop around Greenbelt Park about three miles from the university. Basically, half the course was uphill and half was down. In the B race, Ken and a University of Virginia rider broke away at the bottom of the hill on the third lap. Then finished a minute and a half ahead of Karlin, who beat the three riders he was with up the hill. Another minute went by and what was left of the field came in. The A race was ridden very defensively, with any breakaway attempts being chased down by the unrepresented teams. The race came down to a massive uphill field sprint.

In all there were 15 schools, with 10-15 riders each, competing in the three intercollegiate events. Next stop is R.P.I. on Sunday, April 4.