

Shock Victim Dies of Heart Failure

By Howard Saltz

The Stony Brook student who went into a coma after receiving an inoculation for hay fever at the university's Infirmary died yesterday of heart failure, according to a spokesman for University Hospital.

Sharon Grossman, 20, passed away quietly at about 6 AM, according to the hospital's spokesman, Jim Rhatigan. She never regained consciousness after going into anaphylactic shock on Oct. 6.

The case has been referred to the Suffolk County Medical Examiner's office, which is "typical in any unexpected death," Rhatigan said. He also said that an internal investigation, conducted by

the president's office, has determined nothing conclusive. That investigation, which has already covered the time sequence, chronology and other details of the incident, has not found anything improper, he said. A final report is pending.

However, the program of administering allergy injections has been suspended at the Infirmary pending the outcome of the university's investigation, although the hospital is still giving them. According to Rhatigan, it is "hard to say" if the injections will resume at all at the Infirmary. That will be a decision of the administration, he said.

The doctor who administered Gross-

man's injection, Dr. John Mehrling, has left the Infirmary by mutual consent. "I would suspect that he would not be involved in student health care again," Rhatigan said.

Mehrling, a Port Jefferson immunologist who had been working at the Infirmary for 18 years, had been treating Grossman for some time, but this was the first treatment from a particular batch of serum. That batch has since been locked up, pending an analysis by an off-campus lab, said James Black, vice-president for University Affairs.

Grossman, a junior computer science major from Queens, was in a coma and

listed in critical condition since collapsing in the Infirmary shortly after the injection. She had been kept alive by a respirator since then.

Though "the reaction was more than likely the result of the inoculation," Rhatigan said, officials do not believe it was caused by any impropriety. "Anaphylactic shock is an extremely tragic complication of a routine inoculation," he said. "It's not unheard of, but it is a complication which does occur."

Alan Kaplan, director of allergy and rheumatology at the hospital put the chance of developing anaphylactic shock at "one in a million, or a billion."

SCIENTIA

A new science section premieres today following page 6.

Statesman

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

MONDAY, OCTOBER 19, 1981
VOLUME 25, NUMBER 14

Polity Council Chides Judiciary

Referenda Revote Wednesday; Freshman Representative to be Elected

"Every year the election is invalidated," Polity President Jim Fuccio said at an emergency Polity Council meeting Friday. "Once a year the judiciary is given incredible power, and this is the one chance they have to use it," he said.

The first motion at the meeting was made by Polity Treasurer Chris Fairhall. The council, in this motion, on the advice of the Polity attorney, directed the Polity Election Board to count the ballots cast for all referenda in last week's election "that the Polity Judiciary, in a remarkable display of judicial ineptitude, invalidated," Fairhall said. The second motion states that the results be announced.

Referenda that would have funded intercollegiate athletics through 1985 and the New York Public Interest Research Group (NYPIRG) through 1983 were invalidated last week by the Polity Judiciary according to Election Board Co-Chairman Jim Burton because Election Board rules say that referenda must be advertised.

The referenda will be voted on again with runoffs for freshman representative and Hendrix College Senator Wednesday from 10 AM to 8 PM in the following locations: Commuters, either the Lecture Hall, Stony Brook Union or South P-Lot; Stage XII and Kelly residents, in Kelly Quad cafeteria; Stage XVI residents near the quad office; and residents of Tabler, Roth G and H quads, in the respective building offices.

The referenda will read:

● Do you wish to increase the Activity Fee of each student \$2.10, effective the Spring 1982 semester, and to fund the New York Public Interest Research Group (NYPIRG) at the rate of \$2.10 per student per semester during the Spring, 1982, Fall, 1982, Spring, 1983 and Fall, 1983 semesters?

● Do you wish to increase the Activity Fee of each student \$3.40, effective the Spring, 1982 semester, and to allocate \$3.40 per student as additional funding to the 17 Women's and Men's Intercollegiate (NCAA & AIAW) teams during the Spring 1982 semester only?

● Contingent upon an increase in the Activity Fee, effective the Spring 1982 semester, do you wish to allocate a total of \$5.00 per student, per semester to the 17 Women's and Men's Intercollegiate (NCAA & AIAW) teams during the Fall, 1982, Spring, 1983, Fall, 1983, Spring, 1984, Fall, 1984, and Spring 1985 semesters?

In addition, two questions will be placed on the ballots: Are you in favor of lengthening the semester?

If the semester is to be lengthened do you prefer to:

Start the semester before Labor Day and end

before Christmas, or

Start the semester after Labor Day, and return after Christmas vacation for finals?

The Judiciary's decision to invalidate the referenda was based on the complaint of two students, G. Brian Hutchinson and Mike Kornfeld, the latter of whom won a commuter seat in the Senate yesterday, who felt that "the voting students were unjustly deprived of their right to have all views expressed regarding the issues involved," because of a lack of proper notification, in Hutchinson's words. Students would not have the chance to effectively mount an opposition, he said, and the chances of a referendum passing are therefore great.

Kornfeld, in a letter to the Judiciary stating his complaint, wrote that "the lack of adequate notification of these referenda deprived students of their opportunity to hear both sides of the issue, and made intelligent voting virtually impossible."

"An informed electorate is essential if democracy is to function properly and to flourish. The Student Polity Association failed in its obligation, legal and moral, to inform the undergraduate student body of these referenda, effectively abridging students' democratic rights."

He added that "the process is wrong...my personal view of whether I'm for or against (the referenda) doesn't matter."

Polity President Jim Fuccio, who argued against invalidating the referenda, said, "I felt that adequate notice was given."

NYPIRG Project Coordinator Jim Leotta questioned the Judiciary's decision, saying that "...the Judiciary and the Election Board both voted to invalidate the referendum, even though it could only hurt NYPIRG...They said that in order to protect NYPIRG they invalidated the referendum - over NYPIRG's protests."

Men's Athletic Director, John Ramsey, said that with this stabilized funding base that would come from the referenda, the athletics programs could be upgraded to include entrance for some teams into Division III competition, more scheduled games, better equipment and adequate transportation. Ramsey said he feels that a better sports program would benefit all students at Stony Brook. "Outstanding academics and outstanding athletics are compatible," he added.

The athletic department received \$58,000 from Polity this year, a \$10,000 cut from last year. This cut-back, coupled with inflation has hindered the growth of intercollegiate athletics at the university, Ramsey



JIM FUCCIO

said, as well as the ability of existing intercollegiate teams to compete with teams from other schools. Student funding currently provides about one-fourth of the support of the athletics programs. According to Ramsey, this funding is crucial to the programs. "It pays for all the expenses involved in intercollegiate competition, such as uniforms, supplies, insurance, entry fees, administrative dues and some transportation," Ramsey said.

Kornfeld, however, feels that additional money should not be given to intercollegiate athletics but suggests instead to increase money directed to intramurals because more people can participate.

"Basically," Kornfeld said, "I feel that intercollegiate athletics should be funded by the university and not by the student activities fee."

"Chancellor's and Polity Guidelines stipulate that all activities funded by the mandatory activities fees must be open to all undergraduates," he said. "When students are denied the right to play on a team and the right to hire and fire coaches, the intent of Polity, not to mention students' rights, are being violated."

Runoffs

In the race for freshman representative O'Neill resident Belina Anderson will meet Benedict resident Joy Ann Sopio.

In addition, one race for building senator will be decided. In Hendrix College, write-in candidate Felipe Paredes, with 34 votes, and Andrea Georges, with 27, will vie for the seat in that building.

Reagan to Attend Mexican Summit

Representatives of 22 nations - both rich and poor - will gather this week in Cancun, Mexico. And, in a meeting like none before, poorer nations of the southern hemisphere will ask their wealthier northern neighbors for help.

President Reagan, who'll attend the north-south summit, says he's going with no apologies - no apologies for his plan to rely on private industry to help developing countries...and no apologies because the U.S. sends more food to developing countries than anyone else.

But Reagan's views that the U.S. may be doing enough won't be greeted warmly. Some two-thirds of the world's

population will be represented at the gathering. And many of the leaders in Cancun have hundreds of people starving in their countries every day - as many as 50,000 worldwide, according to the United Nations.

The ranks of the world's poor are growing at an alarming rate - almost 200,000 more are born each day. On top of that, every day, less-developed countries go almost 100 million dollars deeper into debt.

So, the poorer nations will probably push for a restructuring of the world's economic system to give them more leverage in international trade.

But U.S. officials say chances are slim that the President will go along. Instead, he'll probably say - as he did in Philadelphia last week - that poorer nations should work to make their countries more attractive to investors. And he'll add that they should take better advantage of the trade opportunities now open to them.

The issues involved in the north-south summit will be complex. And, briefly, here's a look at what will come to the table

●On Commodities: The developing countries will charge that the prices of the raw materials they export aren't

keeping pace with the finished goods they must bring in. And they'll want a solution.

●On industrialization and trade: Southern Hemisphere countries will no doubt suggest a relaxing of tariffs so their industries can flourish.

And, perhaps the most important issue, food...

●The people need to be fed right away. And developing countries need to work out ways to feed themselves. It's been said that a quarter of the world's population - maybe one billion people - suffer from malnutrition. And this topic is one that everybody wants to solve.

NEWS DIGEST

International

Cucuta, Colombia - A strong earthquake along the Colombia-Venezuela border killed at least 10 people and injured scores of others, authorities reported yesterday.

The quake, which hit shortly before midnight Saturday, toppled several buildings in Cucuta, a border city of 400,000 inhabitants and cracked streets. Colombian police reported four dead and at least 67 injured.

In western Venezuela, at least six people were killed and dozens injured, most of them caught in houses crushed by landslides, the state news agency Venpres reported.

Cucuta police said a city hospital suffered severe damage and patients had to be evacuated to a parking lot.

Venpres reported the quake registered 5.8 on the Richter scale.

* * *

Warsaw, Poland - Poland's Communist Party yesterday ousted moderate leader Stanislaw Kania after 14 turbulent months in office, and called for an "immediate halt" to strikes by Solidarity, the official PAP news agency reported.

The party's Central Committee promptly elected Premier Gen. Wojciech Jaruzelski to replace Kania as first secretary, the news agency said. There was no immediate official word on who would take Jaruzelski's position as premier.

Word of Kania's ouster was reported without comment by the media in other Warsaw Pact nations, which have been bitter critics of his moderate policies.

PAP said Kania submitted his resignation during a stormy session of the Central Committee, which began meeting Friday and ended yesterday. It said 54 percent of the 200 members voted to accept the resignation.

The committee also demanded an "immediate halt" to strikes, and asked the Parliament to "temporarily suspend the right to strike...won by Solidarity," the only independent union in the Soviet bloc. It was founded in August 1980 amid a wave of nationwide strikes.

The resolution calls for drastic steps, if needed, to "defend the most vital interests of the state and nation."

* * *

Athens, Greece - Premier George Rallis conceded defeat yesterday to Andreas Papandreu's leftist Panhellenic Socialist Movement in a crucial election that signal a radical shift in the NATO nation's pro-Western stance.

Official early returns indicated that the Panhellenic Socialist Movement Pasok would have about 47 percent of the popular vote, more than enough to control the 300-member single-chamber Parliament under Greece's complicated election system.

A dejected Rallis, leader of the conservative New Democracy Party, went to the press center to announce his defeat before hundreds of journalists. "I hope the Greek people will not be sorry for their decision," Rallis

said.

As he made his short address in the center at a downtown Athens hotel, thousands of Pasok supporters were running through the streets jubilant over their victory. Cars carrying green and white Pasok flags raced through the main avenues honking their horns.

Rallis conceded defeat within three hours of the closing of the Nation's polling stations. Some 7 million Greeks were eligible to vote, choosing between 2,916 candidates of 14 parties ranging from extreme right to revolutionary left.

National

Washington - A senior American official hints that President Reagan and French President Mitterrand still differ on arms sales to Libya - after meeting privately yesterday in Virginia. The official says Reagan voiced concern about Libyan terrorist activities, but Mitterrand said France would abide by its arms agreements with Libya.

The two presidents gathered to help celebrate the 200th anniversary of the Battle of Yorktown, in which France helped the colonies defeat the British. Tomorrow, both men will return to the Yorktown battlefield, where troops will parade in imitation of the British surrender in 1781.

* * *

Washington - President Reagan said yesterday that the United States is in a recession. It was the first time anyone in his administration was willing to make such an assessment.

"I think there's a slight recession and I hope a short recession," Reagan said on the White House lawn before departing by helicopter to meet with French President Francois Mitterrand at Williamsburg, Va. "I think everyone agrees on that."

The president's comment caught his Council of Economic Advisers and other aides by surprise. As late as Saturday, White House spokesman David Gergen had refused to use the word recession to characterize the poorly performing economy.

State and Local

New York - Police say two gunmen entered a Roman Catholic rectory in the South Bronx yesterday, robbed a priest and two parishioners of 700 dollars in Sunday collection money and left them bound and gagged.

It was the fifth attack against a church or member of the religious in the city in eight days.

Police spokesman Fred Elwick says "It's a shame that things like this are happening, but it's suddenly become the thing to do."

The first attack took place October 10th, when thieves stole \$1,500 hundred dollars in bingo money from an East Harlem rectory and beat a priest who discovered them into unconsciousness.

The same day, in the same section of the city, two men broke into a Sisters of Charity convent. Police say a

nun who was alone inside was raped, and 27 small crosses were scratched into her skin.

Last Thursday, a brother at Saint Cecilia's church in East Harlem was robbed of several thousand dollars in collection and bingo money while he was sitting in a car in front of the church.

Yesterday, burglars ransacked the rectory of a Catholic church in Brooklyn, prompting diocesan officials to issue a statement that asked: "where and when will the violence in our city end?"

This afternoon, as Reverend John Steltz and two parishioners were counting collection money in the rectory of Saint Anthony of Padua church in the Morrisania section of the South Bronx, two young men rang the front doorbell.

One of the parishioners, Jack Arlotta, says that when Father Steltz opened the door, the two men pulled handguns from their coats and forced their way in.

Arlotta says the thieves tied the three men together and fled with the money. He says he, the other parishioner and the priest "got loose very quickly, and chased" the robbers, but lost them.

Arlotta says the rectory and church have been burglarized and vandalized several times in recent years.

(Compiled from the Associated Press)

Weather Watch

Compiled by Bob Hassinger and Chris Grassotti

Summary

A strong cold front which moved through the area last night will set the stage for some unseasonably cold weather for the next couple of days. Temperatures early today should hold steady or fall slightly. Then, as another impulse of cold air arrives this afternoon we may see some showers or even a few snow flurries.

By Wednesday temperatures should recover somewhat, but any warming trend will be shortlived.

Forecast

Today:

Mostly cloudy, windy and cold. Showers likely during the day with snow flurries possibly toward the evening. Highs near 50, falling into the 30's by evening.

Tonight:

Clearing, windy and very cold with a stray snow flurry early. Lows 28-33, with winds pushing the temperature into the teens.

Tuesday:

Mostly sunny and cool, with much less wind. Highs 50-55.

Wednesday:

Increasing cloudiness and milder with a chance of showers. Highs around 60.

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Cable TV Being Proposed at SB

By Michael Rowe
With better reception in one hand and an antennae axe in the other, Don Marks, director

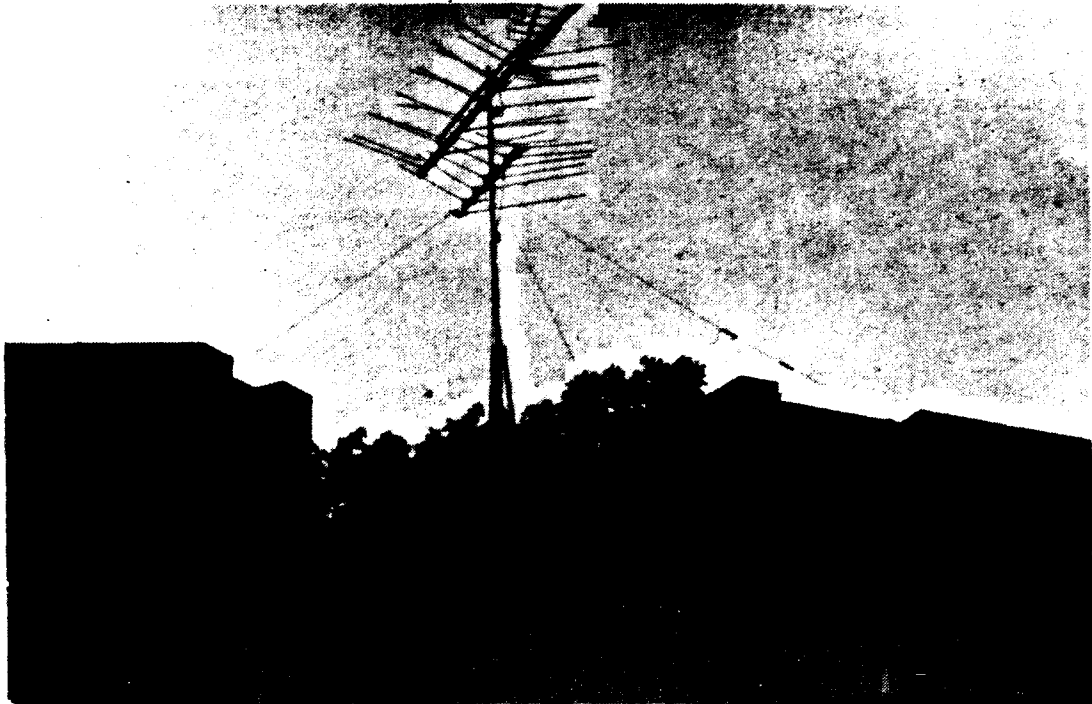
of Campus Communications, is working on a \$300,000 program to bring Cable TV to Stony Brook. If the program is

approved by the State Dormitory Authority within the next six to eight months, the plan, which has been on the drawing

boards for the last 10 years, will become a reality. Snow and ghosts may, in just a year, be gone.

The cable system is designed to eliminate two problems. The most obvious problem is poor television reception in the dormitories. Hand-in-hand with that problem, though, comes the trouble that make-shift rooftop antennae make for the university. According to Marks, antennae are "technically" not allowed on the roof. Marks said that some home-grown antennae installers have damaged rooftops and there is also a fear of "students falling off the roof." The cable system would eliminate any reason for a resident to climb up to his dormitory roof.

Funding for the system has yet to be worked out. According to Marks, the fund is still "being worked on," and he couldn't say where the money will come from. As for a Polity investment in cable television, Polity Treasurer Chris Fairhall said, "There are too many things up in the air."



Antennae, such as the one on the roof of a Kelly Quad building, will become a thing of the past if the proposal to allow Cable TV on campus is approved by the SUNY Dormitory Authority.



ALFRED GOLDHABER



BABAK MOVEHEDI

Committee To Determine CEAS Limit

The executive committee of the SUSB Senate will meet at noon today to determine a policy that will attempt to alleviate overcrowding in the College of Engineering and Applied Sciences (CEAS).

The nine-member committee will discuss possible solutions as the result of an Oct. 12 Senate decision not to vote on a plan to admit freshmen directly to certain programs, and limit the number of non-freshmen that could transfer into that program. The Senate decided to have the executive committee formulate a one-year plan for three CEAS programs--electrical engineering, mechanical engineering and engineering science--where overcrowding is most severe.

The Senate will consider the broader admissions policy by February.

The immediacy of a decision for CEAS was mandated by university President John Marburger, who said that if no plans were made by the first week in November, he would decide himself.

Physics Professor Alfred Goldhaber, president of the SUSB Senate and an executive committee member, said that the one-year enrollment limit would probably pass, but the undergraduate student member of the committee, Babak Movahedi, has vowed a fight. The committee also consists of five other faculty, a graduate student and a professional employee. -Howard Saltz

Second Phase in Budget Completed

The second phase in completing Stony Brook's 1982-83 budget was completed last week, as key university officials met with the State Division of the Budget in Albany to discuss possible increases.

Though the SUNY Board of Trustees gave preliminary approval of a Stony Brook budget that included a \$29 million increase bringing the total to about \$170 million, the Div-

ision of the Budget has made clear that only negotiated salary increases would be approved, according to a source close to the president who requested anonymity. Pro-

jected salary increases total about \$8 million for Stony Brook.

According to the source, the officials representing Stony Brook - University President John Marburger, Provost

Homer Neal, Carl Hanes, vice-president for Administration, Michael Elliot, vice-president for Hospital Affairs, J. Howard Oaks, vice-president for Health Sciences and Larry Nokonan, director of the Budget - did not get any indications from the Division of the Budget about the budget, partially because "they don't know exactly what the (state) budget's going to look like," the source said. The Division of the Budget will not

present its conclusions until mid-January, when the budget goes to the Legislature.

In addition to the salary increases, the proposed Stony Brook budget includes about \$8 million to compensate for price increases and another \$11 million for growth of the university. About 65 percent of that would go for University Hospital, and another 25 percent would go for improving instruction and research.



Members of ENACT, the environmental action agency on campus, sponsored a march Saturday from the university to Port Jefferson in an effort to rally support for a state-wide bottle bill. The marchers, who walked along Route 25A from the university to Port Jefferson Town Hall, collected discarded bottles and aluminum cans along the route. In Suffolk County, the bottle bill was signed by Suffolk County Executive Peter Cohelan earlier this year and takes effect in April.

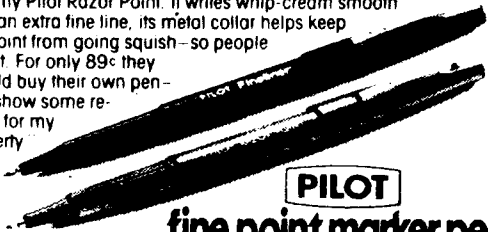
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Baraka's Appeal Postponed



AMIRI BARAKA

At a court hearing on Friday, Assistant Professor Amir Baraka's appeal of a 1979 conviction for resisting arrest was again delayed, this time until Dec. 8.

Baraka, an assistant professor of African Studies and a widely known poet and dramatist, was arrested on June 8, 1979 and charged with assaulting his wife and police officers, possessing a weapon, and resisting arrest. Baraka said that he and his wife were arguing when police pulled him from his car and beat him and that the police invented the charges later to cover up their own actions.

Baraka was convicted of resisting arrest, and served three days of a 90 day sentence last December before being released, pending the outcome of his first appeal. The appeal was rejected on June 10, after repeated delays, and he has since begun a second appeal, claiming not only that he is innocent, but that his sentence would be too severe anyway.

—John Burkhardt

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Groups Formed By Res Life

By John Wicks

The Office of Residence Life has announced the formation of three groups: the campus-wide Residential Programming Council, the Alternate Housing Committee, and the Residential Improvement Program Committee (RIP). RIP has been operating for two years while the other two groups are in their developmental stages.

The general purpose for their formation, said Jerry Stein, association director of Residence Life, is to "open up a direct line of communication with resident students through their active participation." Stein said that with the active involvement of resident stu-

dents in the three groups, the Office of Residence Life can better understand the needs of students while students can learn to formulate the policies that directly involve them.

The responsibility of the Residential Programming Council will be the planning of social and recreational activities and the Alternate Housing Committee will investigate alternate plans such as housing students according to their major, Stein said. He also said that RIP is chiefly responsible for the granting of supplies to residents who express an interest in improvement projects such as painting dormitory halls.

Former SB Student Cleared on Charges

A former Stony Brook student was cleared Wednesday of drug charges brought before him five years ago while attending the university. The false charges and subsequent arrest, the result of a police mixup of names, cost Suffolk County \$17,500 in settlement damages.

Steve Isaacson of Brewster, N.Y., was arrested in April 1976 on charges of selling Quaaludes to an undercover narcotics detective while he was a student here. However, the detective testified that he bought the drugs from another student, Steve Eichen, who does not resemble Isaacson at all. Isaacson was arrested by

officers not involved in the sale.

The indictment against Isaacson was dropped, and Eichen was arrested. Isaacson's attorney, James Mulvaney, sued and the Suffolk County attorney's office agreed to a \$17,500 settlement before the trial was to begin Wednesday.

Police Commissioner Donald Dilworth, when asked how such a mixup could possibly happen, said he was not familiar with the case but would ask for a report on it. Isaacson, who said he will never forget the experience, dropped out of the university after his arrest and finished his studies at Hunter College in New York City.

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Roach Control Sought by Exterminators

By Laura Craven

"Eighty percent of any good pest control program is sanitation and cooperation," said Bill Thompson, owner of the B & L Exterminating Company which has been handling the exterminating program at the university for about 10 years.

"Roaches have been on the Earth for 350 million years," Thompson said, "and I'm sure they'll be here in another 350. Elimination of cockroaches is very difficult." He said that he and the Physical Plant hopes for a "decent control that I think everyone can live with."

On the recommendations of a cockroach expert, and a professor of a local SUNY school, whose name was not released, chemical changes have already been made. Ficam, an odorless chemical that was supposed to kill roaches, Thompson said, has already been replaced by Dursban 4E and drone dust. He said these two chemicals are being used in all public cooking areas along with a flushing agent, an aerosol to flush roaches out of hiding which will help to estimate the extent of the problem in each area.

At this point, Thompson said, we have to try to educate students. "They have to realize the problem if we are going to get it under control," he said. "Students have to cooperate with exterminators and custodians."

"Since June," (when the exterminating program, which falls under the Dorm cooking Program, was put under the direction of the Physical Plant,) Thompson said, "money has been spent and results have been seen." He cited a very thorough fumigation program over the summer as the first such program in 10 years, despite his having suggested it in the past.

"I'm very happy with the Maintenance Department," Thompson said. "They know the situation and we can go to them with any problem and they'll handle it."

In the past, Thompson said, extermination at the university was done on Wednesday, Thursdays and Fridays. But, Beginning Nov. 2, we will be there from Monday through Friday doing a building a day from top to bottom. He said the new schedule will be posted in each quad.

Suggestions

Thompson said it is very important for students to

cooperate in order to control the problem. It is essential, he said, for students to move furniture to the center of the room as "rooms do not get exterminated if materials are not moved." He also suggested not storing paper bags between refrigerators and counters as roaches feed on the glue on the bags.

He cited the number of refrigerators per room as an additional problem. Regardless of the size, he said, "there should only be one per room because roaches like to nest in cracks and crevices and warm places. A

refrigerator with its motor is an ideal nesting place."

Referring to students in Stage XIIC who, on their own, exterminated their public cooking area, Thompson said, "Students should leave exterminating to the exterminator and get on with studying." He said that such action, without proper knowledge in the use of chemicals could have hurt a lot of people.

"We want to control the roach problem as much as the students want it controlled," Thompson said, "and we'll do our best."

Extermination Schedule

Mondays

G-Quad 9:00 a.m. to completion
1st Monday of Month O'Neill
2nd Monday of Month Irving
3rd Monday of Month Gray
4th Monday of Month Ammann

Tuesdays

H-Quad 9:00 a.m. to completion
1st Tuesday of Month Benedict North
2nd Tuesday of Month Benedict South
3rd Tuesday of Month James
4th Tuesday of Month Langmuir

Wednesdays

Stage XII 9:00 a.m. to completion
1st Wednesday of Month Building "A"
2nd Wednesday of Month Building "B"
3rd Wednesday of Month Building "C"
4th Wednesday of Month Building "D"

Thursdays

Kelly 9:00 a.m. to completion
1st Thursday of Month Building "A"
2nd Thursday of Month Building "B"
3rd Thursday of Month Building "C"
4th Thursday of Month Buildings "D" & "E"

Fridays

Roth 9:00 a.m. to 12 noon
1st Friday of Month Cardozo
2nd Friday of Month Whitman
3rd Friday of Month Gershwin
3rd Friday of Month Gershwin
4th Friday of Month Hendrix and Mount

Fridays

Tabler 1:00 p.m. to completion
1st Friday of Month Hand
2nd Friday of Month Douglas
3rd Friday of Month Dreiser
4th Friday of Month Sanger and Toscanini

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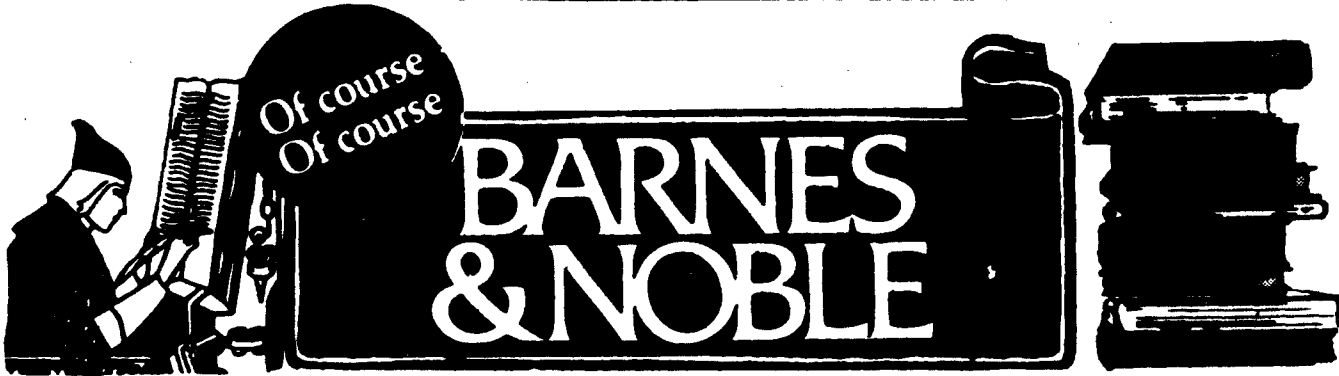
Going to Saturn Via Stony Brook

This picture, assembled from Voyager 2 Saturn images obtained Aug. 4 as the spacecraft passed within 13 million miles of the planet, was made possible by people like Stony Brook's Tobias Owen (inset). An interview with Owen appears on page 7.

In the picture, three of Saturn's icy moons are evident at the right. They are, in order of distance from the planet, Tethys (652 miles in diameter), Dione (696 miles in diameter) and Rhea (951 miles). A fourth satellite, Mimas, is less evident, appearing as a bright spot on the planet, just below and to the left of Tethys.



Statesman/Michael Will de Laforcade



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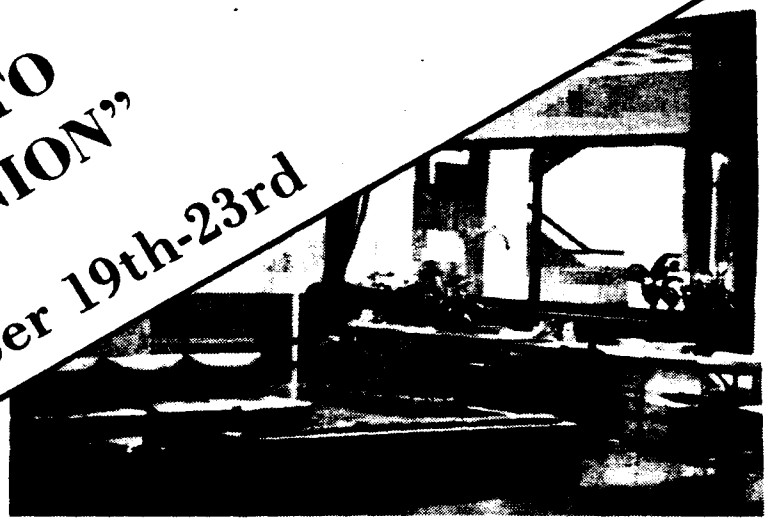
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Nuclear Theory Group Gets No. 1 Rating

By Scott Sofranko

The United States Department of Energy conducted a series of reviews of programs receiving its funding for its nuclear research last spring. The review, which could have been called a peer evaluation, was conducted by a team of outstanding physicists from around the world. It appraised the SUNY Nuclear Theory Group, located high above in the Graduate Physics Building at Stony Brook as one of the best of its kind in the world. The SUNY Nuclear Theory Group was noted for being one of the most creative and productive in the world.

A major reason for the groups' success is Physics Professor Gerald Brown, one of seven faculty members who hold membership in the National Academy of Sciences, which is one of the highest honors that can be accorded an American scientist or engineer.

Led by Brown, the Nuclear Theory Group tangles with one of the most abstruse and esoteric of all sciences: the study of the structure of the atomic nuclei. Brown and his group have had a history of success and technical proficiency and achievement in this difficult discipline.

"Professor Brown's impact, alone, on nuclear physics over the past 20 years has been equalled by only a handful of the world's leading nuclear physicists," the Department of Energy's report stated. "His many basic contributions have followed a recognizable and characteristic pattern. He has identified fundamental problems, posed highly intuitive solutions and, usually working with the international groups of collaborators, executed these solutions far enough to establish key physical insights." For example, he has developed a theoretical 'brown paper bag' model, from the MIT (big) bag model, in an attempt to reconcile the nucleon structure with observations from research in both partial physics and nuclear physics. This model may help to create a more unified atomic and nuclear theory.



Professor Thomas Kuo of the Nuclear Theory Group (right), with Michael Johnson, a visiting professor of Medium Energy Physics from Los Alamos.

In addition to Brown, the nuclear theory group consists of two other senior faculty members. Professors Andrew Jackson and Thomas Kuo, whose styles and abili-

ties have complimented Brown's to create the past and present success of the group — successes that have pushed the frontiers of nuclear physics back many times.

In addition to the research the group has done, the Nuclear Theory Group has also made a substantial contribution to nuclear physics in the United States by training a large number of graduate students and research associates. Since 1968, when Brown, Jackson and Kuo left Princeton University and established the Nuclear Theory Group at Stony Brook, they have trained more than 75 doctoral students, many of whom are now well known in the international physics community. Of the 13 research associates in residence at Stony Brook, during 1979-80, five were from Germany, two from China and two from Finland. "This international flavor has been an important ingredient in making the Nuclear Theory Group worldwide in influence and collaboration," the Energy Department report concluded.

Junior Wins APS Award

Grace Elena Mendez, a junior physics major at Stony Brook, is one of 19 students selected nationally by the American Physical Society (APS) for scholarships.

Each scholarship consists of \$2,000 awarded to the student and \$500 awarded to the host institution's physics department.

Mendez is a native of Costa Rica, a 1979 graduate of Connetquot High School and a member of Sigma Beta and Sigma Pi Sigma honor societies at Stony Brook.

The APS Selection Committee chose the winners in its recent second annual Corporate Sponsored Scholarships for Minority Undergraduate Students in Phys-

ics. Eight of the 19 are renewals. Mendez, whose award was sponsored by the Arthur D. Little Foundation of Cambridge, Mass., is one of the 11 new recipients.

Among the other 10 is Estela V. O'Brien, whose father, Edward E. O'Brien, is a professor of mechanical engineering at Stony Brook. O'Brien, a 1981 graduate of Smithtown High School East, is attending Harvard University.

Any black, Hispanic or native American U.S. citizen who plans to major in physics and is a high school senior of college freshman or sophomore may apply. The next application deadline is March 31, 1982.

Divorce, Labor Mediation-Style

By Todd Schall

When Dr. John Haynes came to Stony Brook in 1975 as a professor in the School of Social Welfare, he had an idea of applying his skills as a former labor mediator to family problems. The result was a line of work referred to as family mediation, in which compromise and mediation are used to solve family problems.

The most prominent family problem dealt with by mediation thus far has been divorce. Haynes' work and recent book *Divorce Mediation* have received much critical acclaim, the latter being a selection of the Book of the Month Club. Haynes has made appearances on *The Today Show* and *The David Suskind Show*, and has been requested by many institutions nationwide to speak on his family and divorce mediation techniques.

"Specifically," according to Haynes, "divorce mediation is designed to minimize the pain and anger in divorce, to put the past behind them and to focus on the future and help restructure their families. Divorce is not the ending of a marriage but the restructuring of a family. Mediation helps people to do that."

In addition to teaching a course on conflict management at Stony Brook, Haynes works a private practice in which couples come to him for 10 hours over a 5-6 week period after deciding on a divorce. In order to negotiate their differences, they work out agreements of the separation deal with the financial factors of the divorce and often consider and give the children a say in what will happen.

Thus far, Haynes has trained upwards of 500 people nationwide in the skills of divorce mediation and is involved in a university program to train family agencies in family mediation techniques.

Haynes said he is currently working to apply mediation to parent-child disputes in order to possibly lessen the common strain placed upon members of a family as the children grow up and expect further independence. Haynes hopes renegotiations between parent and child might do this.

As for the future, Haynes, who was once a speech writer for Robert Kennedy and Betty Furness, looks forward to "applying mediation to non-traditional relationships such as unmarried couples that are break-



John Haynes, a professor in the School of Social Welfare, has initiated innovative techniques in divorce settlements.

ing up, to solving interpersonal disputes in institutions and gay relationships that are breaking up."

Haynes commented on his belief that there is far too much theory without prac-

tice in his field and one way he hopes to help bridge this gap is by trying to develop a family mediation clinic on campus to offer this service and train students in the School of Social Welfare in this skill.

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SB Research: Talking Whales, Parasitic Ants & Burnt Clams



A graduate student lectures at the Cellular and Developmental Biology program earlier this month.

Bio Grads Hold Program For New Students

By Lisa Castignoli

A symposium was held by the Stony Brook Cellular and Developmental Biology Graduate Program on Oct. 2 and Oct. 3 at Sunwood. The purpose of the second annual conference was to expose new students to first-hand ongoing research within the program.

The conference afforded students an opportunity to informally discuss research accomplishments and goals. Faculty, graduate and undergraduate students' talks aided new graduate students in choosing a lab in which to do their thesis work. The degree of educational backgrounds enabled one to receive expertise in various aspects of experimental approach.

The conference was organized by Carl Palanik, assistant professor of Anatomical Sciences, and Susan Erster, a graduate student in Palanik's lab, and was a huge success. The success can be attributed to the move away from a strict classroom setting to a more casual one. Coffee breaks, a sherry party and a pot luck dinner gave everyone an opportunity to converse on a personal level.

The first year students in the program, Brian Aneskevitch from Penn State; Dafna Bar-Safi from Bar-Ilan University in Israel; Arthur Cohen, Brooklyn College; Dawn Frame, University of California at Berkeley; Rosemary Grzesik, Ruter's University and Patricia Morgan, SUNY Albany utilized the time to meet faculty and other graduate students.

"The field of cellular and developmental biology is experiencing a period of rapid growth," Palanik said. "Due to recent conceptual and technological advances, many of the classic programs in biology, which a short time ago seemed insoluble, are now experimentally approachable."

The purpose of the Ph.D. program in cellular and developmental biology is to prepare students for productive research and teaching careers in the rapidly developing field.

In recognition of the interdisciplinary nature of the field, drawing faculty from six university departments and the Brookhaven National Laboratory, recent graduates have obtained post-doctoral positions at other major institutions such as Harvard, Yale, Massachusetts Institute of Technology, Berkeley, Rockefeller and Cold Spring Harbor.

The Cellular and Developmental Biology Graduate Program has become popular. There are 36 students in the doctoral program. Acceptance into the program is based on undergraduate performance in science, high scores on the Graduate Record Examination (GREs) and three letters of recommendation. Students in the program are fully supported. They receive stipends of \$5,850 per year and are offered tuition waivers. Students are encouraged to submit applications by Feb. 15.

Though roaches have become the most prominent species that compliment students, faculty and staff at Stony Brook, the university may soon become known for its concern for ants, ticks, termites, shellfish and whales.

And although such creatures are the kind most of us choose to avoid, some researchers here do the opposite.

Stefan Cover, for example, a graduate student in the Department of Ecology and Evolution, searches for ants, specifically a rare species of parasitic ants called *Leptothorax Minutissimus*. His search has been successful: While scientific literature shows this species of ant to have been found in the past only in Washington and Illinois, Cover has found three colonies on Long Island, one in Forest Park, Queens, one in Connetquot State Park and another in the Stony Brook area.

Through studies of such parasitic ants, the 29-year-old scientist is seeking new data on ways in which living systems work and evolve.

Some of these parasitic ants "enslave" other ants, making them work and living off of them. *Leptothorax Minutissimus* are different, Cover reports, because they have evolved to the point where they cannot even expend the energy to enslave. They have become such perfect parasites, he said, that they cannot now survive outside the nests of their hosts. They "piggy back" on to the host queens, he said, and "hang on living like pampered guests." But because these ants cannot disperse, are entirely passive and can be easily killed by their hosts, Cover calls them "a species on the verge of extinction." He is therefore growing his own colonies to continue his research.

Cover noted that these ants represent "one of billions of existences in millions of tiny worlds."

"They give us a glimpse of what's going on in one of these little worlds," he said. "Studying one of these remarkable living systems makes one humble."

Cover was the recent recipient of the Graduate Editorial Fellowship at the Quarterly Review of Biology, a national scientific journal with editorial offices at Stony Brook.

Cover's work is a fascinating study of lower species, but another Stony Brook researcher's work might be better termed "incredible."

Chemistry Professor Glenn Prestwich has designed a new

and director of the lab.

Talking Whales and Burnt Clams

Researchers here are not limited to the land and air for their studies. Some, like evolutionary geneticist Richard Koehn, and the faculty and students of the Marine Sciences Research Center, have taken to the water.

When the larvae of bivalves—such as clams, mussels and oysters—are transported by nature or man to new waters, most do not survive in the new environment. But Koehn has revealed one reason why this happens: the tiny offspring die, he says, literally, from metabolic "burnout." Koehn, who is dean of the Division of Biological Sciences, has found new links between genes and metabolism indicating that this destruction of immigrant bivalves is related to their energy needs. His findings have important implications for the commercial shellfish industry since Koehn can now better determine which clam genotypes can be more successfully transplanted for "seeding" to increase shellfish production in different waters. In his studies, Koehn has discovered that the tiny organisms die because their cellular biochemical activity, determined by their genes, is maladapted to their new environment, resulting in a metabolic imbalance. This energy consumption is too-fast, too-soon, and the infant bivalves essentially die from "burnout."

Meanwhile, in a project begun in 1977, researchers at the Marine Sciences Research Center have been studying different strategies for supplementing natural clam beds in Long Island waters; in a sense, fooling mother nature to protect the clams. One effective method is their rafting project—a floating "nursery" where minute clams are protected from a poor environment and predators until they are large enough to survive.

"The most encouraging results are the high survival rate of the clams—about 90 percent—and a much faster growth rate than the natural populations," said Paul Flagg, a graduate student who is working on the project along with shellfish biologist Professor Robert Malouf.

The project is a cooperative venture of the university, the town of East Hampton and the New York Sea Grant Institute.

A few miles west of the clam nurseries this summer were some other Stony Brook researchers working on healing Physty, a 4½-ton sperm whale found dying at Fire Island in



Copyright 1981 Dr. Abby Phillips

Medical samples are taken from Physty the whale by David Weiner (closest to Physty), a Stony Brook biologist, and Dr. Jay Hyman. Keeping an eye on the divers and the patient are Drs. Samuel Sadove and William Rossuter.

form of pest-control, based on a termite's own metabolism, that can save homeowners hundreds of dollars they would have to pay exterminators to rid themselves of the pests.

Prestwich has developed a bio-degradable substance—that is non-toxic to other animals—that is soaked in wooden blocks, from which termites pass the poison on to their mates before they die.

Prestwich's discovery was featured—twice—on ABC's *That's Incredible* television show recently.

But while termites and ants are being studied by some, New York State's only tick-borne disease laboratory is kept busy.

The lab, located in the Pathology Department of Stony Brook's School of Medicine, monitors tick infestation areas. During its busiest season, summer, it looks particularly for evidence of tick-borne Rocky Mountain Spotted Fever. The lab examined about 1,000 ticks between April and June this year, and found about 50 that were carriers of Rocky Mountain Spotted Fever.

The lab, a joint project of the university and the New York State Health Department's Disease Control Bureau, was established at Stony Brook five years ago. It was located on Long Island because tick-borne disease in New York State is essentially found only on Long Island, according to Dr. Jorge Benach, an assistant professor of pathology at Stony Brook

April. Physty has returned to the ocean, but the scientists who helped make marine medical history have been conducting research aimed at understanding more about whales.

One of those scientists is David Weiner, a biologist who is growing whale cells in a lab here to find "evolutionary markers"—for example, a link between the porpoise and the whale. Weiner is also making a genetic profile of Physty.

Another scientist involved with Physty was Christopher Clark who received his Ph.D in neurobiology in May and who is doing pioneer work in decoding the clicking sounds he believes sperm whales make to communicate with each other. Clark believes the whales can express "their emotions and intentions to other whales."

Two other Stony Brook scientists were involved in the successful Physty endeavor. Dr. Carolyn Trunca, a cytogeneticist at University Hospital, was a leader in the work to analyze the germ and to provide a giant remedy for the 25-foot whale. And Dr. John McHugh, a professor of marine environmental studies and former head of the International Whaling Commission, was one of the first to be called when Physty was found. McHugh advised authorities of the procedures to follow in helping the whale, which is covered under the Marine Mammal Protection Act.

University Hospital After 18 Months: Fulfilling a Promise

University Hospital at Stony Brook, which opened with limited service just 18 months ago, has already brought many medical and health services to the doorsteps of the Long Island community for the first time," reports Michael Elliott, vice-president for Hospital Affairs.

Kidney transplants, rare orthopedic surgery and a Regional Perinatal Center for high risk pregnancies and deliveries are some of the highly skilled medical care services now available at the hospital.

In its first year and a half of services, the University Hospital has treated thousands of patients needing both general medical care and the more serious, complicated, sophisticated procedures known as "tertiary care." Inpatient visits totalled 3136, with a current daily bed census now averaging over 125 patients. The Ambulatory Care Pavilion averaged over 2,300 visits per month from out-patients using its numerous medical services. Emergency Room visits are up to 800 per month. The University Hospital's three operating rooms, now in use regularly, handle a schedule of ten procedures a day. Patients on kidney hemodialysis equipment average 3.50 dialysis treatments per month.

Two hundred ten beds are expected to be in use this month. Eventually, when fully functioning, the University Hospital will have 540 beds for patients in its units, which include Medical, Surgical, Medical Intensive Care, Surgical Intensive Care, Transplantation, Burn, Obstetrics, Psychiatry, Pediatrics, Pediatric Intensive Care and Neonatal Intensive Care.

The hospital has a heliport adjacent to the Emergency Room, which is heavily used. In late July, the 100th patient to be brought by Police or Air Force helicopter arrived at the hospital. The Hospital also owns its own mobile intensive care vehicle for transporting critically ill patients. The vehicle carries life support equipment needed to sustain patients being transported to the Emergency Room.

The economic impact on regional income of the \$150 million complex -- already with 1300 employees and an operating budget of \$30 million yearly -- is enormous. A study done to assess this impact reported that during the hospital growth period -- from 1974 to 1983 -- the cumulative impact total will be approximately \$116 million per year.

"Considering just the employment figures, that 2,700 people of various skills will be employed, it is easy to see that the regional economic impact of the hospital will be felt in housing, transportation, entertainment, food and all personal goods and services," said Elliott.

HEADLINES

On July 31, triplets weighing in at a total of nearly 12 pounds were born to a 23-year-old mother who normally tips the scales at only 100 pounds. Because the discovery that she was

carrying triplets placed her pregnancy in the high-risk category, her obstetrician, a Huntington physician, arranged to have the delivery take place at the hospital. Triplets Nicole, Krista and Mario IV were born in the hospital where they and their mother received some of the most highly skilled services available in Suffolk County.

Other headlines in 1981 proclaimed that the first kidney transplant had been done on Long Island and that rare orthopedic surgery had been performed in Suffolk County. Both of these sophisticated procedures, referred to as "tertiary care," took place at the hospital.

As these stories indicate, the ten-year prom-

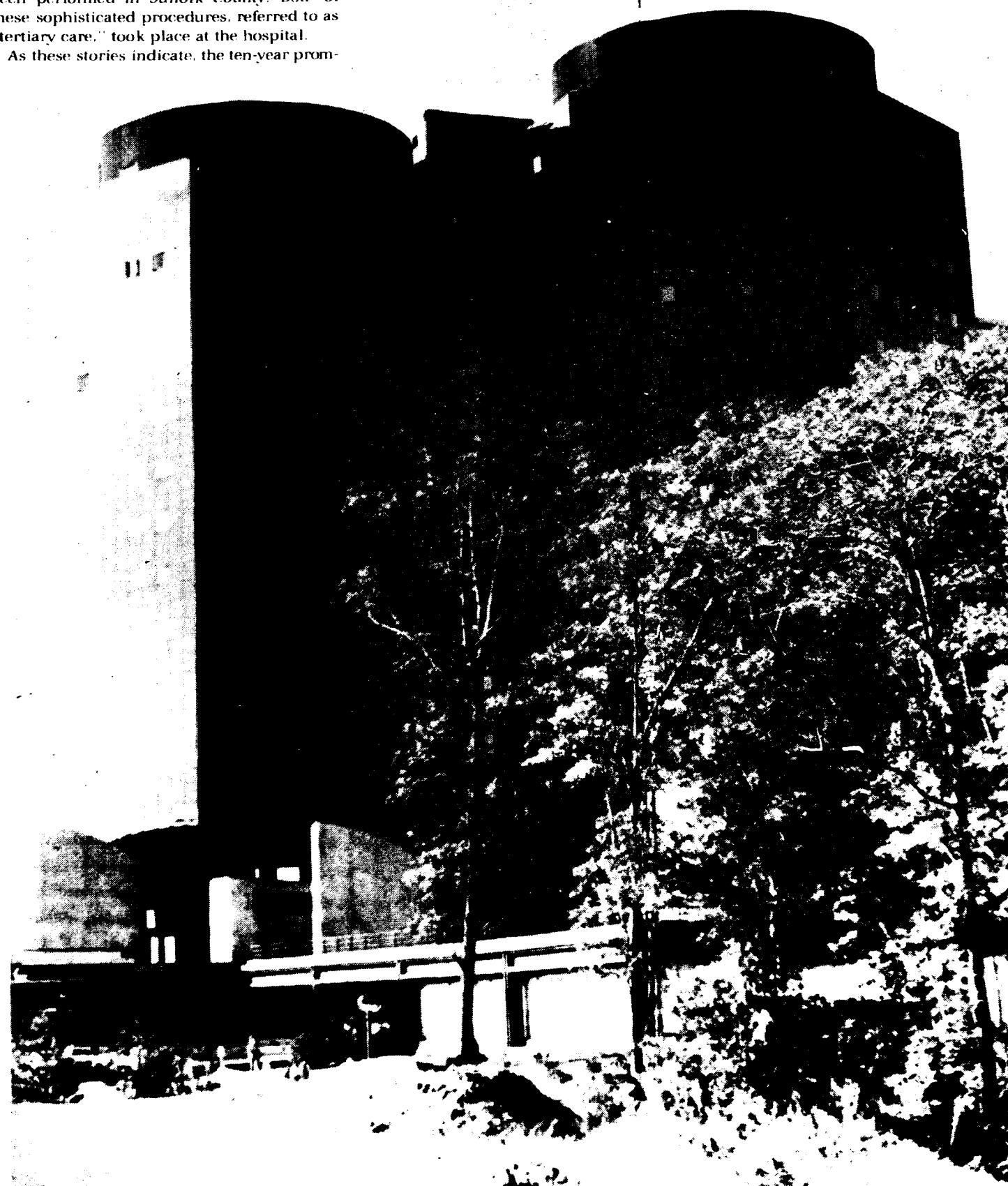
ise of bringing highly skilled general and tertiary medical care to the Long Island region through the University Hospital has become a reality. Services presently or soon to be offered include open heart surgery, organ transplantation, high risk obstetrics, neonatal intensive care, rehabilitation medicine, eye pathology services, dialysis, burn therapies, orthopedic care, in-hospital sophisticated dental services

and specialty clinics for muscular dystrophy, neural tube defects, DES screening and more.

"Many of these medical and health services are now at the doorsteps of residents of Long Island for the first time," said Elliott.

With 200 specially designed computer terminals throughout the building, it is the most sophisticated hospital information system of its kind. The system is used for every aspect of the hospital's operation, from admitting, billing and medical records, to specific patient care assistance.

The Stony Brook medical complex projects the dreams of its planners and developers "to load this area medically into the 21st century."



University Hospital

Statesman David Goodman

McClellan Is Named New Dean



Lenora McClellan, recently named dean of the School of Nursing.

Dr. Lenora J. McClellan, professor of nursing and acting dean of the School of Nursing last year, has been named dean of the School of Nursing in the Health Sciences Center.

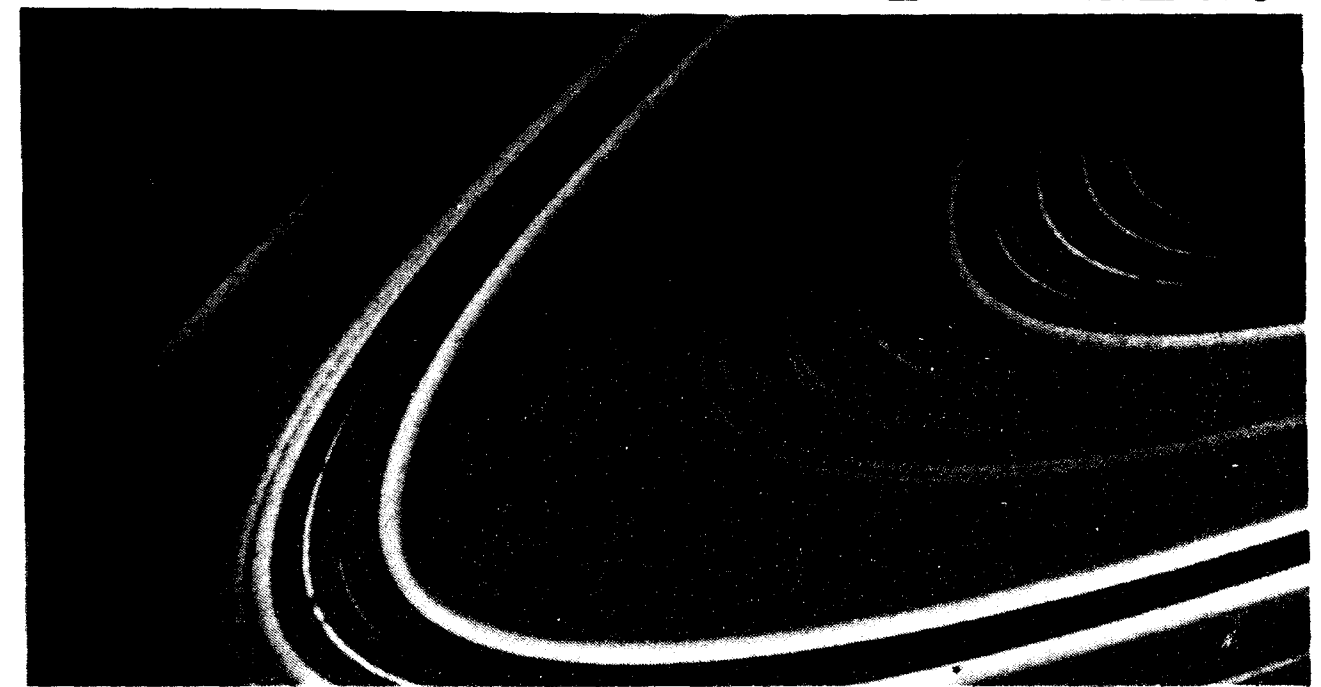
Announcing the appointment, University President John Marburger said McClellan's selection as dean came after a national search in which many candidates for the post were considered by a 10-member search committee chaired by Thomas Cottrell, associate dean of the School of Medicine. Marburger described McClellan as "a respected administrator who has served the school well during her tenure as acting dean. Her strong interest in the community," he added, "will bring an added dimension to nursing education at Stony Brook."

McClellan, a resident of Shelter Island, joined the Health Sciences faculty in 1973 as an associate professor of nursing. She became the first director of the school's Graduate Program in 1975 and served as an associate dean of academic programs in the school from 1979 until she was named acting dean in July 1980. Prior to coming to the Health Sciences Center, she served on the faculty of the Teachers College, Columbia University and at Florida State University, where her accomplishments brought her a considerable national reputation.

McClellan is a member of a number of professional societies, including the American Nurses Association and the National League of Nursing. She presently chairs the Specialty Group of Deans, Directors and faculty of Nursing Education Programs, New York State Nursing Association.

In addition to her teaching and administrative responsibilities, she serves as a consultant in psychiatric nursing, Northport Veterans Administration Medical Center, and as a graduate program development consultant for the School of Nursing at Villanova University.

More than a year ago, McClellan accepted an invitation to visit the Sturt Institute of Higher Education in Adelaide, Australia during the fall semester of the 1981-82 academic year. She will be on leave as dean until January 1982. During that period, Dr. Carole Blair will serve as acting dean.



Possible variations in chemical composition from one part of Saturn's ring system to another are visible from this Voyager 2 picture, taken from a distance of 5.5 million miles.

SB Prof Aids NASA's Voyager

By Dara Tyson

Amid potted geranium plants, antiquated globes of planet Earth and photographs alien to the non-scientific eye, sits Astronomy Professor Tobias Owen. In appearance, Owen is amiable and down to earth, but in spirit, he floats above the clouds, in the outer recesses of our solar system. If Owen is not in his campus office, he is somewhere between his home in Setauket and California Institute of Technology in Pasadena, where NASA's Jet Propulsion Laboratory is located. Owen is an influential scientist in NASA, having worked on such missions as the Viking (1975), the International Ultraviolet Explorer (1978), and recently, project Voyager, (both launched in 1977).

What are the Voyagers' missions?

Owen: "Both voyagers were launched in '77 a few weeks apart. Their mission is to explore the outer solar system, which consists of the planets past Mars. Voyager I took pictures of Jupiter and Saturn. Voyager II's mission is to take pictures of Jupiter, Saturn and Uranus in '86 and of Neptune in '89. Both are flying at such high speeds that they will eventually fly out of our solar system."

What happened when Voyager II visited Saturn?

Owen: "The scan platform which contains all the cameras and the spectograph got jammed. Our hypothesis is that some particle hit the spaceship as it travelled through Saturn's rings. Now our wounded spaceship is off to Uranus. Fortunately, the platform jammed on the dark side of the planet which we already have pictures of from the first Voyager. The other valuable shots were already back on earth in the bag."

What is a spectograph?

Owen: "The spectograph has been used on earth for more than 100 years. It works like a prism and measures energy on a surface. The dark lines tell you what gases are concentrated where, and in what intensity. (He pulls out a picture) We can see where sunlight hits a spot."

The Voyagers' missions were to explore the outer solar system. Isn't Pluto included?

Owen: (presents a diagram of the solar system.) "The trajectories of the Voyagers' were not pointed towards Pluto. There is a future plan to send an orbiter probe to Jupiter and use the momentum of Jupiter's gravity to go off to Pluto."

Did the Voyagers send back any interesting data?

Owen: (excited at this point, and starts pulling out more pictures and books from his cabinet.) "When Voyager I took pictures of Saturn's satellites, we found that Titan, Saturn's biggest satellite, has an atmosphere thicker than the Earth's. No other satellite that we know of even has an atmosphere."

Therefore, could life exist on Titan?

Owen: (flashes a devilish grin.) "Perhaps, except that it's 292 degrees below zero there. Methane, a natural gas, would liquefy under those temperatures."

How do you feel about sending manned shuttles into the solar system?

Owen: (looking pensive, and sitting back in his chair. His blue eyes deepen to the color of his gray turtleneck sweater.) "Manned shuttles are feasible, however, they are extremely

expensive. I personally do not feel the scientific ends justify such an undertaking."

Who is directly involved with this space exploration?

Owen: "NASA has a special center called the Jet Propulsion Lab at California Institute of Technology in Pasadena. There are engineers who work on the mission and scientists from all over the world who are called on to collect data. I am involved with pictures. The whole mission started in '72 when teams designed experiments, i.e. used this type of camera, to look at Saturn for a number of minutes. There are six different teams that study six different things. There is a team that studies the magnetic field, a team that studies radio waves and there is a team that studies the charged particles of Saturn and Uranus, similar to the Earth's Van Allen belt with its trapped electrons, etc."

By the time the spaceship takes off, it must be quite heavy. Owen: (smiles.) "Yes, it's hard to fit all that equipment into a craft that is smaller than this room." (His office is about 12 feet by eight feet.)

Can we observe the planets from the observatory on top of the Earth and Space Sciences Building?

Owen: "This year I teach a graduate course in planetary atmospheres and an undergraduate course, Introduction to Astronomy. We use the observatories in this classes, however, the situation here is not optimal for viewing the planets. For one, there are limited number of clear nights at Stony Brook plus we have all the city lights around us. The second problem is that we're at sea level so we see a lot of stuff before we see outer space. The best place to view outer space is from a high spot like the Monikea Volcano on the big island of Hawaii."

What are some of NASA's future space exploration plans?

Owen: "Galileo is scheduled to be launched in '85 and do a probe of Jupiter's atmosphere in '86. It is better to get into the planet's atmosphere since some gases like neon don't show up on the spectograph. After that, I don't know."

Will any national cuts affect the space program?

Owen: "I am very gloomy about the cuts. Whole sections of the space program might be cut down. There is a tremendous pressure to protect the shuttle program from this. NASA's budget is small -- it's only \$6 billion. The part of NASA that runs the mission is \$350 million -- less than the budget of Suffolk county. It could easily be terminated."

Who or what first sparked your interest in astronomy?

Owen: "It evolved naturally. I was interested in astronomy as a kid. I did my graduate work at Arizona on the planets and observations through the telescope."

Professor Owen holds a B.A. in Liberal arts, a B.S. in physics, an M.S. in physics and a Ph.D. in astronomy. Among his research interests are physics and chemistry of the solar system, studies of planetary atmospheres, spectroscopy (somewhat like a prism) of planets and laboratory gas-phase satellites, comets and investigations of planetary environments from spacecrafts.

Among his awards are NASA Group Achievement Award; Lunar Orbit Experiments Team, 1971; NASA Medal for Exceptional Scientific Achievement, 1977; Medal of the Aero Club of Cairo, 1977; and Newcomb Cleveland Prize of AAAS, 1977.

NEWMAN CLUB - Meeting every Tuesday at 8:00 p.m. in rm. 223 in the Union Building. Discussions, activities, etc. determined by the interests of the participants. Everyone welcome!

HILLEL - Open meeting Wed. October 21st 8:00 p.m. in Union Rm. 237. ALL WELCOME!
SIMCHAT TORAH CELEBRATION at 7:00 p.m. in Tabler Dining Hall.

SUPPORT WOMEN'S TRACK - and date a fast lady! Organizational Meeting for all track and field athletes. Oct. 21st in the Physical Education Building, Faculty Lounge, 4:00 p.m. No experience needed... just commitment and the desire to improve! Diets provided. Contact Coach Kim Hovey, 6-6792.

COMMUTER COLLEGE - General meeting Wednesday, Oct. 21st 1981, at 1:30 in Union Rm. No. 080. Agenda: HALLOWEEN PARTY and GRAND OPENING. Be There!

UNDERGRADUATE PSYCHOLOGY ORGANIZATION - is holding an important meeting in S.S.B. 118 or 7:00 p.m. on Thursday Night, October 22nd. All members and interested students are urged to attend. Refreshments! PLEASE ATTEND! Related Topics: Career Nite, Movies, Debates, etc.

GAY STUDENTS' UNION - We are an information and peer support group, open to the Long Island community. During the school year, we hold meetings Thursday evenings, in Union Rm. Our office is located in the Union Basement, across from the Crafts Center. Office hours are 11 a.m.-5 p.m. Stop in anytime! Or call 246-7943.

ATTENTION ALL SAINTS MEMBERS - There will be a General Meeting on October 22 at 7:00 p.m. in the Union, rm. 236. Elections will take place, and the guest speaker will be Dr. B. Harrison.

The first meeting of the POLITY ACTION COMMITTEE will be this Thursday, October 22nd at 8:00 p.m. in Polity. We will be discussing action against Reagan's Budget cuts in financial aid and aid to education. All are welcome! Come down and get involved. For further information contact Jim Fuccio 6-3673.

SOCIETY OF THE PHYSICS STUDENTS SEMINAR featuring Dr. C.N. Yang: "WHAT IS PHYSICS?" Friday, October 23rd 1981 at 4:00 p.m. Sublevel of Grad. Physics Rm. No. S240. Refreshments served at 3 45.

RUSSIAN CLUB - Meeting on Monday October 19th in rm. B062 Library. The meeting will be at 3:30 p.m.

MONDAY, OCTOBER 19th, S.T.A.C. (Students Toward and Accessible Campus) will hold its first membership meeting at 4:00 p.m. in the Union rm. 223. ALL WELCOME TO ATTEND.

EROS - The peer counseling and Referral Service for Birth control, pregnancy, abortion and health care is now open. EROS is located in the Infirmary rm. 119, MON.-Fri., 10 a.m.-5 p.m. or call 246-LOVE.

All athletes interested in trying out for the WOMEN'S INTERCOLLEGIATE BASKETBALL TEAM should contact the coach immediately. Try-outs begin October 20th, and a physical is required before try-outs. COACH: Miss Weeden PHONE: 246-6790.

ATTENTION WRITERS - FORTNIGHT is now accepting submissions for its first issue! So, if you're a poet, fiction writer, feature writer, etc., Submit, Submit, Submit. Just slip your material under the door of room 060 downstairs in the Union.

THE PLAYERS IMPROVISATIONAL THEATRE is a group of students who learn about theatre and have a good time performing comedy and drama off the cuff. Very few of us are theater majors, all of us are friendly and only one of us has ever been bitten anyone (he's had his shots though) We are seeking an ethnically diverse background. We meet Mondays at 8:30 in the Lecture Hall room 108. New members welcomed with sickening displays of gratitude.



STONY BROOK CONCERTS



presents and Speakers '81

THE PRETENDERS
HAS BEEN RESCHEDULED FOR FEB. 2nd.
NOVEMBER 1st TICKETS WILL BE HONORED OR REFUNDED. General Admission seats still available at \$7.00.

THE TUBES
November 8th, 9:00 p.m.
Gymnasium
Tickets: \$7.50 reserved -- \$5.50 General Admission
ON SALE NOW!!

SPEAKERS PRESENTS:
GENERAL HOSPITAL
POSTPONED DUE TO "INCLEMENT WEATHER"
Date to be announced.

VIOLENCE IN SPORTS
Oct 27th, 9 PM
End of the Bridge Restaurant & Lounge
Tickets: \$1.00

Come see the hit that paralyzed Pro-Football presented by Rich Harrow, Chairman of the American Bar Association Task Force on Sports Violence.



STONY BROOK SAFETY SERVICES presents Safety Month



SPECIAL NOTE TO ALL STUDENTS

You must attend all sessions of your course to become officially certified by the American Red Cross. Courses are open to all Stony Brook Students, Faculty, Staff, and Community members. After registration there will be NO section changes or refunds. Please be on time for classes.

REGISTRATION
WHEN: Mon-Fri., Oct. 12-16
Mon-Fri., Oct. 19-21
WHERE: Union Lobby, 11 a.m. to 2 p.m.
FEES: \$6 for each course - to cover the cost of books, bandages and other course materials.

MODULAR C.P.R.
1 & 2 rescuer C.P.R. and choking for adults and children
1 Mon/Wed Oct. 19th, 21 7-11 p.m.
2 Tue/Thu Oct. 20th, 22nd 7-11 p.m.
3 Sat/Sun Oct. 24th, 25th 1-5 p.m.
4 Sat/Sun Oct. 24th, 25th 7-11 p.m.
5 Mon/Thu Oct. 26th, 29th 7-11 p.m.
6 Tues/Wed Oct. 27, 29 7-11 p.m.
7 Sat/Sun 10/31, 11/2 1-5 p.m.
8 Sat/Sun 10/31, 11/2 7-11 p.m.

MULTIMEDIA FIRST AID (8 hours)
1 Mon/Wed Oct. 19, 21 7-11 p.m.
2 Sat/Sun Oct. 24, 25 1-5 p.m.
3 Sat/Sun Oct. 24, 25 7-11 p.m.
4 Tue/Thu Oct. 27, 29 7-11 p.m.

STANDARD FIRST AID & PROFESSIONAL SAFETY (20 Hours)
1 Mon/Wed Oct. 19, 21, 26, 28, Nov. 3, 5
Both Classes meet 7:30-11 p.m.

SAFETY MONTH is sponsored by the STONY BROOK SAFETY SERVICES, the STONY BROOK UNION, POLITY, and the SUFFOLK COUNTY AMERICAN RED CROSS.

CEAS Senior Design: It's the Real Thing

By Cory A. Golloub

What would you do if you were asked to design and build a robot that could respond to light, obstacles in its path and even your verbal command? Or how about surface acoustic wave devices? Easy, right? Well, these and many more are the types of things that are being asked of the senior engineering students at Stony Brook. Just as the professors of the University are working on research projects, so are the senior engineering students of the College of Engineering and Applied Sciences.

Once chosen, the students, in groups of no more than four, start their projects with a faculty advisor. According to Steven Fradella, who graduated in May of last year, the advisor really didn't help his group very much, but rather, "opened our mind" to alternatives to the original design. Fradella and William Burke were the only ones to successfully complete "Project C.O.O.L." — Compulsion to Operate by the Observation of Light — a design of a mini-robot that is six inches by six inches by three inches high. Their robot, Tobor, using a variety of control systems is able to go toward the strongest light, once set in motion by a shout or a loud click. Once the robot is moving, it will go around any object in its way. Fradella, now working for M.C. Products, said "we got it working [at] 2 in the morning. We were jumping up and down." It was a culmination of a semester's worth of research and four written drafts, which ended up being 50 typed pages long.

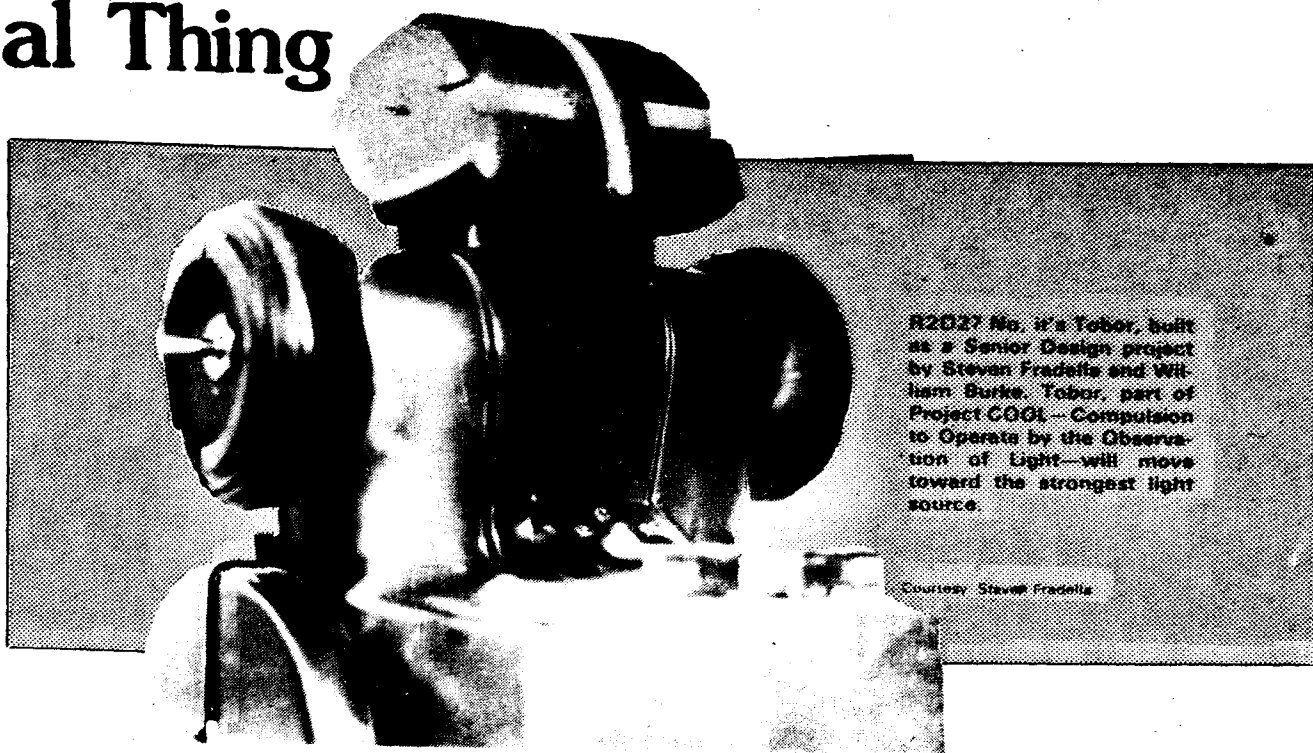
There are a myriad of projects that these engineers must choose one of to try and tackle before graduating from the university. They include giving computers the gift of vision, "Evaluation of Parallel Scene Processing Techniques," and designing devices that will emit waves of desired shapes and frequency. The list goes on. The lists of projects encompass most of the different fields of interest and engineering that Stony Brook University has to offer.

"Most of the serious work is done in the senior year," according to Bob Noelch, vice-president of Tau Beta Pi, the nationally recognized engineering honor society. Noelch added that Senior Design, as the course is called, is the pinnacle of what the engineering students are here for.

Much of the work that is done for Senior Design are in subjects that the engineering departments do not give classes in. Cecelia Jankowski, who also graduated last May, worked on her project dealing with surface acoustic wave devices. With her advisor, Jankowski learned and taught herself about the subject and its possible applications, including radar. It's "a lot of research," she said.

Since the 1960s, some of these projects, as well as independent ones, have been turned into articles and published in the Stony Brook Engineer, a campus magazine. The reaction to the students' work being published has been very positive: "Professionally it's a step in the right direction," said the mother of one published engineer, Neil Jablon, who graduated last May.

With the specialized training that these students get while doing their projects, off campus recruiters use the senior design course as a basis for determining the interests and skills of these young engineers. Not only can the students get their work published, but these projects could lead to a better career in industry.



R2D2? No, it's Tobor, built as a Senior Design project by Steven Fradella and William Burke. Tobor, part of Project COOL — Compulsion to Operate by the Observation of Light — will move toward the strongest light source.

Courtesy: Steven Fradella

As Students Find the Good Life Deans See a 'Potential Disaster'

By David Gaede

College Station, Texas (CPS) — James Beall may be the most wanted student in America.

Baell isn't a heartthrob or a criminal. Instead he's at or near the top of his engineering class, which happens to be at Texas A&M — widely-recognized as one of the best engineering schools in the land (along with Purdue and Cal Tech).

As such, Beall's already been wined and dined by companies that want to hire him after graduation. He expects to be wooed and courted by dozens of other firms by the time he graduates later this year. He probably won't be disappointed. Nationwide recruiting for engineering grads is fierce. They are the surest bets to get good jobs among the entire Class of 1982. Beall, as one of the top two grade-getters at one of the top engineering colleges, just may have the best time of his life this year.

"I started interviewing this summer," Beall recalled. "I've had two plant tours and several job offers already, one with a petrochemical plant and another with an aviation firm." He figures that whatever firm he eventually chooses will probably start him at \$30,000 a year "or maybe even a little higher."

Beall's expectations aren't out of line. The average 1982 engineering grad will earn \$25,000 next year, compared to liberal arts grads, who will be scrambling for average starting salaries of \$10,000. Engineering students were less than 10 percent of the 1980-81 graduating class, but got 65 percent of the on-campus job offers, according to the College Placement Council of Bethlehem, Pa.

Judith Kaiser, a College Placement Council spokesman, said the current market is far different from seven years ago, when a recession in the wake of the Arab oil embargo slowed industry demand for engineers, and engineering students actually flocked to change their majors.

"In 1972 we had 3,495 engineering students enrolled," recalled Dr. Robert H. Page, Texas A&M's dean of engineering. "Here we are nine years later with three times that number: 11,502."

The reasons for the change are evident, he said. "Technology is getting more and more complex, and it has created a great demand for quality engineers. The orders are out to recruit engineering students."

Engineering enrollment at A&M is up 1,000 from last year, and Page expects similar increases in the next several years. National engineering enrollment has skyrocketed from 195,000 in 1972 to over 350,000 in 1980.

"I would expect it's up another 10 percent for this current year," speculated Dr. W. Edward Lear, director of the American Society for Engineering Education. "The job opportunities are great. The average four-year engineering student will have three or four job offers before graduation, and will earn an average of \$23,000 to \$27,000 the first year."

"The favorable job market has created significant increases in the total number of students who choose engineering as a major," said Iowa State Engineering Dean David Boyland. "And most projections indicate the demand will continue."

But the boom, ironically enough, has pitched college engineering schools into the deepest crises in their histories.

"I think everyone is beginning to see the potential disaster if we don't do something," Lear warned. "Right now we're dealing with a double-edged sword."

Enrollment jumps have made overcrowded classes common and impressive salary temptations from private industry have made it hard to hire new professors to take on the additional class load. Few new grads choose to go on for more schooling when they can get high salaries. Experienced engineering professors are leaving academia to take those higher salaries, too.

"Starting teachers can expect a salary of around \$25,000 a year," Lear said. "That's after three years of additional schooling, plus the cost and effort to get their Ph.Ds. When they can step out of college with a B.S. and get the same salary in the private sector, the see that they wouldn't be that far ahead by continuing their education."

Current instructors "can realize anywhere from a 30-to-100 percent salary improvement by moving to corporate jobs," Lear grieved. He estimated there are 1,600 to 2,000 vacant engineering positions on American college campuses.

Cal Tech's engineering enrollment has doubled in the last seven years, but Dean Roy Gould is finding it harder and harder to get instructors to teach them. "I suspect it's going to get harder as we have a smaller and smaller pool to draw from."

"I'm really concerned about our future," confided Texas A&M's Page. "Our very best students are going into industry, students that ought to continue their education for the benefit of the country and of the student. There's an expression going around that says 'Industry is just eating its own feedcorn,' and I hope something is done to control the situation."

Many schools of engineering are now self-consciously stressing the values of post-graduate education, and cooking up incentives to keep their students in school. Others, like Purdue, have raised admissions standards and virtually walled out out-of-state students. And colleges are appealing to industries that they are hiring away teaching and grad school talent. In response, Exxon recently announced a \$15 million program to encourage students to continue in school, and discourage professors from defecting to the private sector.

Initial results of such efforts, judging from the plans of Texas A&M top engineering students, are mixed.

Beall's vision is firmly fixed on the job market. Following in his father's footsteps because "it seemed like the natural thing to do," the 22-year-old Beall still is not sure what has hit him. When I first went into it, I had no idea engineering would be as big as it is now."

Now that he knows, he's not long for the modest trailer-house he shares with his wife near the A&M campus. To Beall, "It's just a matter of where you want to go, and what you want."

Classmate Joseph Ott, whom page identified as one of A&M's other top engineering students, wants something else. He plans to resist industry's temptations for another year.

"My wife and I talked it over," Ott said. "We figure that once we get used to the big money, it will be even harder to go back to school. So we're going to suffer through another year so that I can increase my earning potential, and extend my engineering life."

Attention Students

IMPORTANT NOTICE ABOUT GRADES

Students are reminded that the deadline for removing "Incomplete" and "No Record" grades received for the spring and summer 1981 terms is October 30, 1981. Final grades or extension requests must be received in the Office of Records by that date. "I" and "NR" grades which have not been changed or extended by that time will be converted to "F" or "No Credit," as appropriate.

Do You Qualify For Work Study?

The Publications Office and the Office of Conferences and Special Events have openings for three Work Study students—15 hours a week each. Must be able to work independently.

Duties are—pasteup for printing
general office work
heavy telephone usage

If you qualify and are interested, contact:

Ann Forkin, Ralph Chamberlin
328 Administration
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**Ilya Prigogine,
Nobel Winner,
Speaks Here**

Ilya Prigogine, recipient of the 1977 Nobel Prize in Chemistry, presented Stony Brook faculty and students with some new and surprising ideas when he lectured earlier this month in the auditorium of the Earth and Space Sciences Building.

Prigogine, a Russian-born Belgian citizen, earned his doctorate in Thermodynamics from the University of Brussels in 1964. It was his discovery that there are exceptions to the second law of thermodynamics that won him the Nobel Prize. The law states that entropy (increasing disorder) of the universe will eventually result in universal chaos. Prigogine claims that there are situations where systems can "get around" the second law.

According to Prigogine, the classical branch of thermodynamics deals with systems at or near equilibrium. In his investigations, Prigogine studied systems that are far from equilibrium and discovered that some systems can become very sensitive and achieve what he has termed, "self-organization."

Prigogine said that the self-organization does not tend to stabilize disturbances in the system, but rather amplifies them and



Statesman Robert Rasolondraibe
Ilya Prigogine, a Nobel Prize-winning chemist, speaks at the Earth and Space Sciences Building earlier this month.

pushes it further away from equilibrium. Prigogine concluded that the driving away from equilibrium results in a higher kind of order.

—Robert Rasolondraibe

Interested in writing Science? Want to be part of *Scientia*, our new monthly science section? Call Lisa Napell, Statesman associate editor, at 246-3690, or come to room 075, Union.

INSURANCE RATES TOO HIGH?

NYPIRG invites you to tune in to the PUBLIC INTEREST RADIO SHOW

Guest: MEL GOLDBERG, ATTORNEY
Host: ROBERT GRABOWSKI
Topic: INSURANCE INDUSTRY REFORM
Time: MONDAY, OCT. 19th, 6:00 PM ON WUSB 90.1FM

Do you think you're paying too much for insurance? Well, you are. Listen in and find out what we can do about it.



Are you getting only half a pizza?

Some pizza places make pretty wild claims. They offer two pizzas for the price of one or low, low prices. Domino's Pizza thinks you should compare pizzas before you buy. We think you should have all the facts, too:

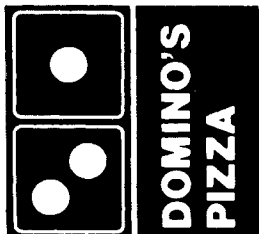
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You should also know that Domino's Pizza uses only 100% pure dairy cheese. We could use a cheaper imitation cheese, but we just can't bring ourselves to do it.

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CHEMISTRY

Computer Learns Organic Chem

Can a computer be taught to "think" and behave like an organic chemist in the laboratory?

The answer is yes — and SYNCHEM 2, a reliable "thinking computer" developed by a computer scientist and an organic chemist at Stony Brook is the proof.

Dr. Herbert Gelernter, professor of computer science in the College of Engineering and Applied Sciences, and Dr. David Larsen, a senior research associate and organic chemist, have combined two challenging disciplines and produced SYNCHEM 2, a very large computer program, able to discover synthesis routes for complex organic products. They have entered the scientific field of "artificial intelligence," developing a computer tool that can extend man's intellect in a very specific area of organic chemistry — organic synthesis, that is, the formation of biological compounds by the union of simpler compounds or elements.

SYNCHEM 2's potential for discovering better and more economical pathways to finding new compounds having biological or pharmacological importance has been recognized by the Environmental Protection Agency (EPA). The federal agency is providing the computer facilities needed to continue the development of this "thinking computer."

SYNCHEM 2 is recognized as being distinctive because it can do its work of discovering organic synthesis pathways without guidance or intercession on the part of the chemist using the system.

"In other words, we present the problem compound to SYNCHEM 2, and from then on, the computer is on its own," Gelernter said.

That's not to say that the computer is mistake-proof. Gelernter gives this explicit explanation of the method used for making SYNCHEM 2 "smart":

"Organic synthesis route discovery is both an art and an intellectual challenge. As is the case for many difficult problem areas, a good deal of expert knowledge is necessary, together with the instinct and talent for finding meanings and trends in a complicated network of interrelated facts. Computer scientists call this kind of behavior 'knowledge based domain-specific heuristic problem-solving.' Making computers behave in this way is the artistic and intellectually challenging task undertaken by computer scientists, like myself, who are in the field known as 'artificial intelligence.'"

The computer scientist/researcher pointed out that some of the synthesis pathways proposed by the computer program have been called "surprising and creative" by experienced chemists who continually evaluate and criticize the performance of the SYNCHEM 2 system.

"SYNCHEM 2 has often rediscovered recently published syntheses for natural products entered as test compounds, and has occasionally suggested a pathway considered to be better than any in the literature at the time," he added.

The computing requirements of SYNCHEM 2 have outgrown the resources available at Stony Brook, and now the computer is located off campus, using facilities being provided by EPA.

"The very large collection of program modules that comprise SYNCHEM 2's synthesis discovery system is currently installed and is being developed at Research Triangle Park in North Carolina," said Gelernter.

All communication between the SYNCHEM 2 research group and their computer is accomplished through the use of local terminals connected to the host computer by telephone data lines.

Gelernter noted that EPA provides these computer services because it regards SYNCHEM 2 as being of potential value for predicting toxic degradation products of chemical products released into the environment and for studying the metabolic history of chemicals ingested by humans and other animals.

The SYNCHEM 2 "thinking computer" has been in the making for 13 years, evolving through three major stages. "The first stage, from 1968 to 1973, was a feasibility study to see if we could really invent a system smart enough in chemistry to perform respectably in so difficult a problem area as organic synthesis discovery," Gelernter said.

Once he was satisfied that this goal was indeed an achievable one, the computer scientist brought his work into a second phase, devoted to "capital construction." This period lasted until 1979. "We had to rebuild our machinery from the ground up, with our attention redirected to concerns of efficiency and reliability rather than towards seeking quick answers to hard questions," Gelernter said.

The SYNCHEM 2 project is now comfortably into its third phase. "Our tools are now in order," he said. "The deductive and heuristic inference machinery is working smoothly in concert with a very large chemistry knowledge base. We can now return our attention to the primary problem—making SYNCHEM 2 smart. This entails many individual tasks, not the least of which are those of enhancing the system's knowledge base, superimposing problem-solving strategies on its search tactics, and making SYNCHEM 2 easy to be used by chemists who are inexperienced in dealing with large computer programs."

SYNCHEM 2 claims no guarantees for solving problems in organic synthesis presented to it. "It is a heuristic problem-solving system," Gelernter said. "Like the human chemist, SYNCHEM 2 makes guesses, and then validates, or discards, them in consultation with its chemical knowledge base."

United University Professions

SUNY Stony Brook
Stony Brook, New York 11794



Meet the President of the STATEWIDE UUP-NUALA DRESCHER

October 26th, 1981

11:00 a.m.-2:00 p.m., Rm. 236, Union

Lunch will be Available

Open forum to discuss the concerns of the professional staff, both academic and professionals.

PLEASE ATTEND!

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"Western Day Special"

Tuesday, October 20th, 1981

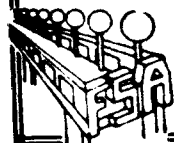


LUNCH MENU

Calamity Jane's Pepper Pot Soup
Tonto Frankenburgers
Trigger Tillie's Macaroni & Cheese
DELI
Geronimo's Baked Virginia Ham
General Custer's Steak House Fries

DINNER MENU

Jesse James Chili Soup
Brisket of Beef w/our Famous Wild Al Hitchcock's BBQ Sauce
Bat Masterson's Southern Fried Chicken
Roth's Pond Sea Trout w/Scampi Sauce
Ranch Style Western Potatoes
Sitting Bull's Baked Beans
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Diamond Lil's Mixed Vegetable Jewels
Kitchen Kitty's Bacon & Sausage Corn Bread
Relish Trays & Dinner Rolls w/Herb Butter Corn Relish
Flapjack Fanny's Hot Apple Pie A La Mode w/Black Bart Sauce
Roulette Ruby's Orange Refreshers



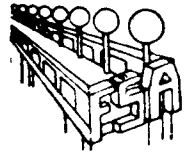
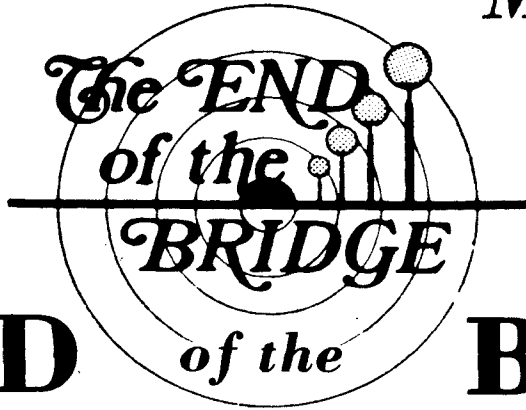
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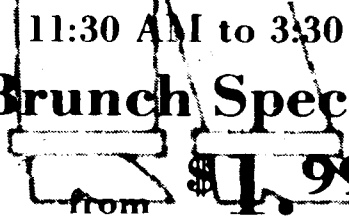
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SCIENTIA

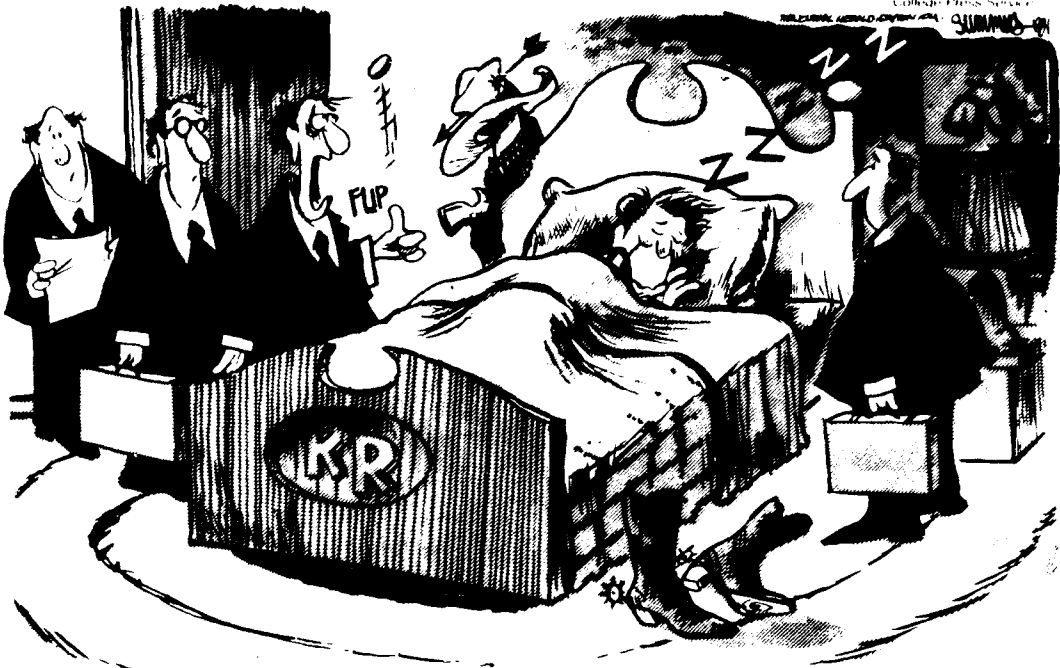
About \$30 million is spent on scientific research each year at Stony Brook. That's about the equivalent of one-fifth of the university's total budget.

University Hospital is quickly growing to be one of the primary medical institutions in the region, providing the area with specialized medicine and advanced techniques. The Health Sciences Center, the Marine Sciences Research Center, the College of Engineering and Applied Sciences -- all rank with the best. Seeds that are being planted right now will bloom into discoveries of world importance in the future -- or perhaps even interplanetary importance, as evidenced by the work of a Stony Brook professor involved with the Voyager project.

Thus the need for our new monthly section devoted entirely to science at Stony Brook. We call it "Scientia," from the latin word for "science."

Scientia will include the various scientific areas on campus; from a nobel-prize-winning physicist to genetic research, from understanding clams and seaweed to nuclear theory, from Psychology to Computer Science.

Enjoy.



"HEADS, WE WAKE HIM UP AND TELL HIM HIS MILITARY BUDGET IS SHOT TO HELL. TAILS, WE RUN LIKE MAD, AND HOPE HE DOESN'T WATCH THE 6 O'CLOCK NEWS!..."

Statesman will publish letters to the editor and viewpoints from its readers. They must be typed, triple spaced and should be no more than 350 and 1,000 words, respectively.

Bring them to room 075, Union, or mail them to: P.O. Box AE, Stony Brook, N.Y. 11790.

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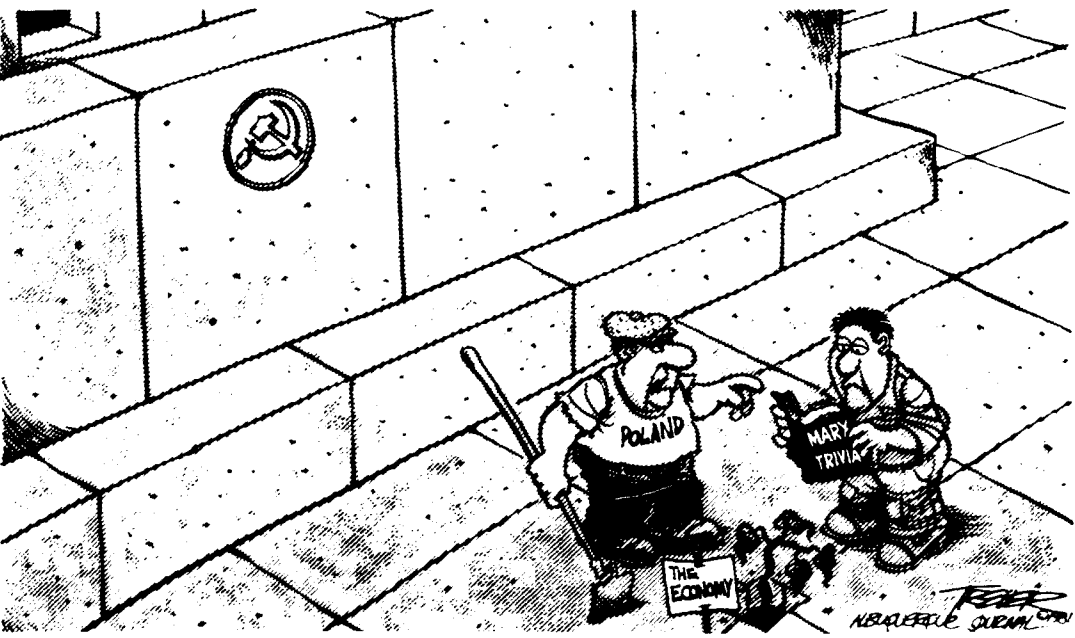
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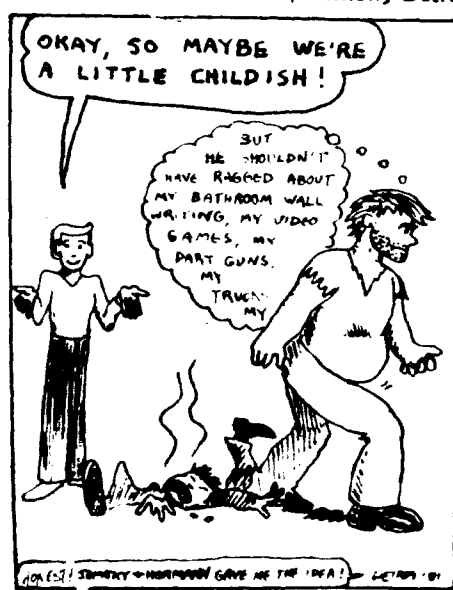
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SUSB LIBRARY HOURS

REGULAR SCHEDULE TO DECEMBER 23:

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Current Books, Music Library Science Libraries	Mon.-Thurs.: 8:30 a.m.-10:00 p.m. Fri.: 8:30 a.m.-5:00 p.m. Sat.: 1:00 p.m.-5:00 p.m. Sun.: 2:00 p.m.-10:00 p.m.
Special Collections, Audio-Visual Services	Mon.-Fri.: Hours as posted at department entrance.

Exceptions

All Departments	Nov. 26 (Thanksgiving), Nov. 28-29: Closed Nov. 25, 27; Dec. 23: Open 8:30 a.m.- 5:00 p.m.
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Winter Recess

	Dec. 24, 1981-Jan. 31, 1982
All Departments	Mon.-Fri.: 8:30 a.m.-5:00 p.m. Sat.: Closed Sun.: Closed

Study Lounge

Sun.-Thurs.: Midnight-4:00 a.m.
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Sat.-Sun.: 6:00 p.m.-2:00 a.m.

CLOSED:

Nov. 25-29;
Dec. 23-Jan. 31

Financial Crisis Hits Washington U

Seattle, WA (CPS) - University of Washington students have to give up a routine and normal part of student life: they are no longer allowed to change their majors.

Moreover, the 10,000 - some UW students who have yet to declare a major won't be able to choose one.

Then again, many of those students - about 3600 - may be dropped from the university altogether.

Forcing 3600 students out of the university is just one of the contingency plans offered by UW administrators if a precipitous fiscal crisis in the state isn't resolved soon. UW, while only one of the state colleges and universities affected by the emergency, is Washington's largest campus, and the one scheduled to lose the most amount of money.

Until UW administrators decide which programs they have to cancel, they've stopped students from declaring or switching majors to prevent students from choosing majors that may be eliminated.

The troubles began last month when state Gov. John Spellman unexpectedly ordered a ten percent budget cut for all state schools and agencies. The university's share amounted to \$33 million of its two-year operating budget, which UW President William Gerberding termed a "disaster." The university stands to lose twice as much if a lawsuit brought against the state by primary and secondary schools succeeds. Combined with the effects of the Reagan cuts in federal education programs, the fear is that "you won't even recognize this university," said one campus reporter.

"It's mainly a problem of the economy," said admissions Director Tim Washburn, who has announced an indefinite freeze on applications to the campus until the crisis passes. "The state's lumber industry is really hurting," Washburn said, "and thus our tax base is way down. The problem is Washington has no state income tax, and it isn't likely they're going to establish one at any time in the future."

"It's just a mess all over," groaned Information Services Manager Louise Hasty, who discounts the governor's budget-cutting rationale as "a lot of garbage."

"(The reduction order) was just a bolt out of the blue," she said. "Right now we're faced with laying off something like 260 faculty members alone, not counting other staff personnel," Hasty mourned. "And all those federal aid cuts are going to come on top of all of this. As far as federally-assisted research goes, we're simply going to go down the pipe."

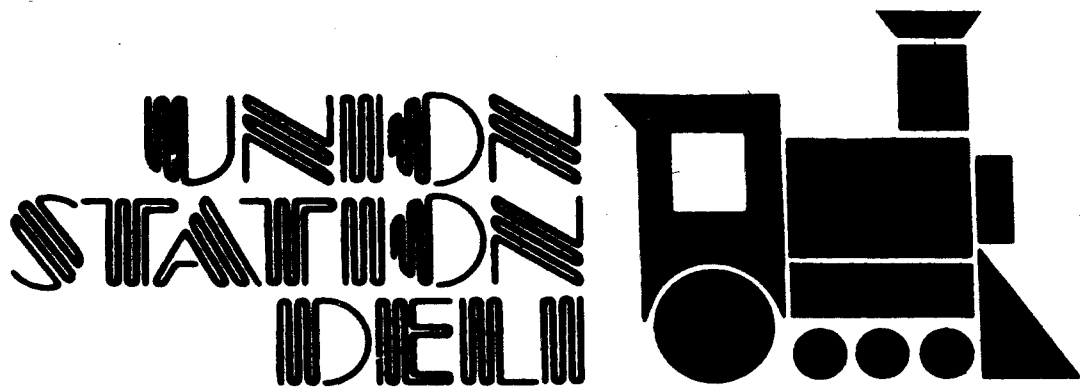
Lawyers representing the state's lower-level schools have sued the governor, claiming the state constitution guarantees full funding for elementary and high schools. The state constitution clause doesn't apply to colleges, if the suit succeeds - as many think likely - other state agencies would have to bear more of the cuts. The University of Washington would then have to cut \$60 million from its budget, instead of the current \$33 million.

"We're numbed by the whole thing," said a reporter at the campus paper, the Daily. Student government President Clayton Lewis agreed. "We already cut out all the fat from our budget, and there's simply nothing else left."

Lewis said the \$33 million cut will close the university's departments of forestry, architecture and urban design, education, botany, and speech. "And our tuition just went up 76 percent," he added. "It's obvious the state's using a lot of that money for purposes and sources other than education."

The state legislature two years ago voted to absorb tuition payments into the state's general fund, instead of reserving them to fund higher education.

Lewis warns that the current trend will make UW into "a very mediocre university. The basic question among students here has come down to: 'Am I even going to graduate?'"



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COLLEGE NOTES

Less Loans Paid Back

Washington, D.C. - A slightly higher percentage of students defaulted on their federal student loans in 1980 than in 1979, according to statistics just released by the U.S. Department of Education.

The numbers, incorporated in the department's annual report to Congress, show 1,800,000 students failed to make payments on some \$828 million worth of National Direct Student Loans (NDSLs) during the school year ending June 30, 1980. The year before, 875,000 students defaulted on NDSLs. The default rate in both years was around 16 percent of the students who took out loans.

Students using Guaranteed Student Loans (GSLs) have a better record. The default record was just under six percent of the total number of loans issued, an improvement over the 8.1 percent rate in 1979. However, though the percentage of loans that aren't paid back has stayed the same, the amount of money lost and the number of students in default are much higher because there are more GSLs being distributed than ever before.

The report points out that the \$4.8 million handed out in GSLs in 1980 equalled 25 percent of all the GSL money issued since GSLs started in 1966.

Skee Smith, a Dept. of Education spokeswoman, also noted at a press conference that others did a better job collecting GSLs than the federal government. The default rate among GSLs administered by the government was 8.2 percent, but the default rate among GSLs administered by state and private loaners was just 4.2 percent in 1980.



BOBBY KNIGHT

Knight Won't Cut It

Bloomington, Indiana - Indiana's Bobby Knight may coach the top five in basketball, but alas, it appears we'll never know whether he could have cracked the top 50 in the country music charts.

Knight was reportedly all set to cut a disc as the third member of a most unlikely country-western trio, which was to include Kentucky basketball coach Joe Hall and former Marquette coach Al McGuire. This banjo-backcourt teaming was the long-term brainchild of Gene Large, president of Classic Productions of Hendersonville, Tenn. The recording executive's affinity for country pickin' is reportedly rivaled only by his mania for college basketball.

Large thought he had successfully persuaded his three idols into a one-shot album deal - yet when Hall and McGuire arrived in

Nashville a couple of weeks ago for the recording session, Knight was nowhere to be found. "He simply told me he couldn't make it," said an obviously disappointed Large of the oft-unpredictable Indiana coach. "The details just couldn't be worked out, and I'm very sorry about it."

"I still think he's a great guy," Large added. "I respect his position."

Large subsequently enlisted the aid of former Kentucky governor A.B. "Happy" Chandler and Kentucky basketball announcer Cawood Ledford to fill the gaping hole left by Knight, and claims the album is now "two-thirds complete." Of the New York City-born-and-bred Al McGuire, Large insists "he really adapted (to country-western music) great. He's one class guy."

Yet still, "I sure miss Bobby Knight," he lamented.

Truth-in-Testing Law Is Passed

Sacramento, California - California has become the second state in the union to pass a bill allowing students to see and check their answers to standardized college entrance exams. Those who administer the tests, however, say the law was unnecessary.

Gov. Jerry Brown is expected to sign the California "truth-in-testing" bill, which would become effective next July 1. It enables students taking tests like the Scholastic Aptitude Test (SAT) on certain dates to view their corrected answers.

California's action continues a long debate between test makers, who argue "open" tests make the SATs too expensive to administer, and student consumer advocates, who say "open" tests help prevent abuses in scoring exams that mean so much to students.

The debate became national last spring, when a Florida teenager found an error in the SAT that eventually forced Educational Testing Service (ETS), which writes the test, to change the scores of some 240,000 students nationwide. In late March, an error found in a version of the SAT given in New York helped raise the scores of another 87,000 students.

SAT Scores Stabilize

New York NY - Scholastic Aptitude Test scores, on the downswing for nearly two decades, just may be heading for an upturn.

Results released by the College Entrance Examination Board reveal that for the first time since 1968 SAT scores failed to decline. 1980-81 high school seniors taking the test - which scores on a scale of 200 to 800 points - averaged 466 in mathematics and 424 in verbal skills, the same total as last year. With the exception of 1968, when results also remained the same, SAT scores had been slipping steadily since 1963.

"It's a little early to say whether this indicates a general upward trend (in student skills)," cautioned Sheryl Belli, the Board's associate director for public affairs, "but we're optimistic because we've seen a lot of other score gains in state and local testing."

Belli attributed the improvement in part to concentrated efforts among secondary schools to improve their educational programs. "We hear all the time about efforts around the country to improve school standards, about establishing basic competency levels."

The prolonged slide in SAT scores has long mystified education experts. In 1975, a national advisory panel speculated the decline was triggered by the increasing number of college applicants from deprived economic backgrounds, plus a general slippage in high school academic standards. Yet a much sharper drop in SAT scores from 1975-80, despite an increasingly improving secondary curriculum, left experts at a loss for explanation.

"We really don't understand it," admitted Belli. "We're just thankful if the worst is really over."

(Compiled from the College Press Service)



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SPORTS DIGEST

Jets Beat Bills 33-14

New York - The New York Jets racked up 21 points in the third quarter to break open a tight game and beat Buffalo 33-14. The win avenged a 31-0 opening game loss to the Bills.

National Championship Postponed

Montreal - The fifth game of the National League Championship Series was postponed due to rain yesterday in Montreal. League officials hope to conclude the series between the Expos and the Los Angeles Dodgers this afternoon.

The Best-of-five series is tied at two games apiece following Saturday's 7-1 win by the Dodgers.

Yankee Manager to Decide

New York - New York Yankees Manager Bob Lemon must make a decision. What becomes of Lou Piniella and Oscar Gamble in a World Series without the designated hitter?

Piniella and Gamble have platooned as the Yankees designated hitter during the American League East Division and championship series. Piniella against left-handers and Gamble against right-handers. The questions could be moot, however, if Reggie Jackson's left calf has not healed sufficiently for him to start in right field tomorrow night when the World Series begins at Yankee Stadium.

(Compiled from the Associated Press)



Soccer Coach Shawn McDonald speaks with Public Safety officers after Stony Brook Goal Keeper Phil Lesko punched a player on the Kings Point team which caused the coaches and referees to agree to forfeit the game in favor of the Kings Point Mariners.

Fight Disturbs Soccer Game

The Stony Brook Soccer Team hosted the United States Merchant Marine Academy Mariners from Kings Point Saturday.

The physical game was interrupted in the middle of the second half. Stony Brook's goal keeper, Phil Lesko, was ejected from the game and ordered to

the bench. Upon reaching the sideline, Lesko greeted an angry Mariner with a knockout punch that sent the Kings Point player down for the count.

While Public Safety Officers controlled the crowd and the Stony Brook Volunteer Ambulance Corps attended the player, both head coaches and

the referees agreed to forfeit the game in favor of the Mariners. So with the second loss of the season, the Pats' record is now 6-2-1.

The Patriots will be at Southampton tomorrow to meet the Colonials at 4 PM.

-Frank Estrada

Tennis Team Plays Superbly

By Ronna Gordon

"I have no complaints about the team," said Women's Tennis Coach Herbert Edelstein. "They are playing superbly".

The Patriots defeated Queens College, 6-3, Thursday. Queens provided winners from its top two singles and number one double players, however they were unable to produce any other winners from this match. "The Patriots played with a lot of depth", Edelstein said. "They played strongly and solidly."

On Saturday the Patriots were victorious over

King College, 8-1. Defeating them by a crushing score of King College, 8-1. Kings proved to be of little competition, the Patriots, took control of the match, losing only one of the doubles tournaments.

The team's record is 4-2. The two losses resulted from third set tie breakers in deciding matches. Coach Edelstein feels that the Patriots may remain undefeated for the rest of the season. He is extremely optimistic and feels that the team will make it to the playoffs.

The Patriots will meet Concordia College this afternoon.

X-Country Drops Three

The Men's Cross Country Team competed against SUNY at Farmingdale and Suffolk and Nassau Community Colleges Saturday where the Patriots ended up on the losing end of the three dual meets.

Against Farmingdale the score was Patriots, 50, Aggies 15. Nassau overcame the Patriots,

21-37 and Suffolk was victorious, 24-33. The team's record in dual meets is 1-4.

"I don't know how to explain the team's slower performances today. The course was easier than last week, they should have had their fastest times of the season," Coach Gary Westerfield said. "Perhaps late study hours for exams this week took their toll."

Women's Intramural Volleyball

Kamikazee's: Lost to the Mounties 0-15, 12-15. Forfeited to the Menaces. Defeated James D-3 15-2, 15-2. Won by forfeit to Whitman and lost to Cardozo 7-15, 10-15.

Rod's Revenge: Defeated Langmuir A-2 15-9, 15-4. Won by forfeit to the Menaces. Defeated James D-3 15-4, 15-2. Whitman 15-1, 15-0 and Cardozo 15-5, 15-7.

Langmuir A-2: Lost to Rod's Revenge 9-15, 4-15 and to the Mounties 6-15, 2-15. Won by forfeit to the Menaces. Lost to James D-3 4-15, 13-15 and forfeited to Whitman.

Mounties: Defeated the Kamikazee's 15-0, 15-12. Langmuir A-2 15-6, 15-2. the Menaces 15-6, 15-9 and James D-3 15-4, 9-15, 15-2. Won by forfeit to Cardozo.

The Menaces: Won by forfeit to Kamikazee's. Forfeited to Rod's Revenge and to Langmuir A-2. Lost to Mounties 6-15, 9-15 and forfeited to Whitman.

James D-3: Lost to the Kamikazee's 2-15, 2-15 and to Rod's Revenge 4-15, 2-15. Defeated Langmuir A-2 15-4, 15-13. Lost to the Mounties 4-15, 15-9, 2-15 and defeated Cardozo 15-12, 15-9.

Whitman: Forfeited to the Kamikazee's. Lost to Rod's Revenge 1-15, 0-15. Won by forfeit to Langmuir. Forfeited to the Menaces and to Cardozo.

Cardozo: Defeated the Kamikazee's 15-7, 15-10. Lost to Rod's Revenge 5-15, 7-15. Forfeited to the Mounties. Lost to James D-3 12-15, 9-15 and forfeited to Whitman.

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FOUND: Room key in Union Aud. After "Halloween". Call Rob 6-6410.

LOST: Brown wallet on 10/14 in or around the Union or possibly between Union and Gym. Please contact Ed at 277-3926. Reward.

LOST: One gold hoop earring. Has great sentimental value \$10 reward if found.

LOST: One brown tri-fold wallet in Lecture Hall on Oct. 10. Contained cash, calculator, driver's license student ID, etc. Reward for return 929-8560.

LOST: Gold pinky ring with ten small diamonds. Sentimental value. Anyone with information please call 654-0360. Offering a generous reward.

CAMPUS NOTICE

PLASTICINE PORTERS will not meet on 10/20. Next meeting will be 10/27. Sorry folks.

MASADA MEETING Tuesday Oct. 20. Elections will be held.

THE ITALIAN CLUB once again promises a most rewarding meeting on Tuesday, Oct. 20 at 5:00 PM in the Library room 4006. The movie "Colors of Italy" (approx. duration of 30 min.) will be shown depicting Italy's natural and fabricated beauty. Come enjoy the movie and us — your Italian Club! Ciao

PERSONALS

MYRA: We miss you. Stony Brook's not the same without you. Come home. Love, The Kids.

REMEMBER ALL those baseball cards you traded when you were a kid? Now you can trade them for cash. Call Denny 6-7480

APPLICATIONS for Orientation Leader will be available now til Friday, October 23rd. Return them to the new Student Orientation Office, Humanities Bldg., Rm. 102. No later than 4 PM on the 23rd. Applications accepted from anyone who graduates after December 1982. Apply, aloha!

RIDE WANTED to Binghampton any weekend. Will share expenses. Please contact Laurie at 6-4807.

NEED CASH? Lionel Train Nut will pay you cash for those old trains laying in your attic gathering dust. Call Art, 246-3690.

HELPI I need a ride to Penn. State University on or about Oct. 29. I will help with expenses but not with driving. Call 246-3691 and ask for Lisa.

ROLLINGSTONES TICKETS, Zappa, Garcia, Foreigner, other concerts. Call Mark 246-6313.

TO ONE OF MY FAVORITE HOMOSAPIENS. A flock of seagulls gave me a message. After much demystification I figured it out. Zounds! It's your birthday! I hope these 24 hours are happy for you. Love, WUSB's best kept secret.

RICHARD. What better place to tell you I love you than in the personals! I'm glad that you're a part of my life (Stage XVI next stop)! Love, Chesty.

LASO PRESENTS "The Travelling Theater of Hispanic Students" on Wednesday October 21, Time: 8:00 PM Place: Union Auditorium Admission: \$1.00 Tickets at the Ticket office. Don't miss it.

MEN'S CLOTHES FOR SALE. low prices, excellent quality, ski-vests, jackets, sweaters, shirts. Call Bonnie 6-3943 Kelly D 104.

LINGUS, DB is back in town. Quick! Hide in the closet.

DOUBLES. The chief of state is not Mick Jagger. Keep up the good spirits. Puffed Rice.

HEY TWILIGHT ZONE GUYS in A wing: The Flash is back! We don't leave our new curtain open, but noticed that you do. Wave hi some time. The Girls in B wing.

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DEAR LBS. I just want to let you know that without your patience and understanding I don't know what I'd do. You're the best. Thanks for always being there. Love you, M.W.

ALTERED STATES — Tuesday, October 20, 7:30PM ESS 001.

ARE YOU ADDICTED TO FOOD? If you're upset about your weight and just can't stay on a diet, try Overeaters Anonymity. It's free and it works. Meetings: Tuesday 8PM and Thursday 4PM Union R. 236.

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KAMY: Happy Birthday and Good Luck on your GREs. Love Kathy and Margaret.

DEAR KAMI. Happy 21st Birthday! We wish you a happy and successful year, full of friendships old and new and lots of good times. Love, your mothers, extended family, Gonga and Cornelius.

TO PETE in B-1 Tusc. Happy Birthday from all your gorgeous girlfriends in 121.

LINDA in Toscanini, Happy 21st and Congratulations on the highest mark on the Ecology test.

MISS PIGGY of 121 Toscanini Happy Belated Birthday! Love, Diane, Darlene, Danielle, Linda and Rita.

ALTERED STATES — Tuesday, Oct 10 at 7:30 PM ESS 001.

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Football Patriots Romp Division III Powerhouse

By Lisa Napell

"We proved that we can play with the best this area has to offer," said Defensive Linebacker for the Stony Brook Patriots, Billy Smith, after Saturday's decisive 28-6 win over the Brooklyn College Kingsmen. "Everyone must realize now that we're capable of playing in Division III," said Head Coach Fred Kemp after the game. "That was possibly the best game I've ever seen played by a Stony Brook team. It was an all around game, a whole team effort."

"A lot of credit has to be given to the fabulous five on the offensive line and the quarterback, Ray McKenna. Twenty eight points is a hell of a lot of points to score against a team of Brooklyn's caliber," Kemp added.

The Patriots kicked off to start the game and had a chance to display the prowess of the great red destroyer, Patriot defense, almost immediately when Brooklyn ran the ball in to the Patriot 20 yard line in a touchdown attempt that was stopped with the ball carrier cut inside and met up with the destroyer. The ball was returned to the Patriot's 35 yard line and held there till the Patriot offense could take the field.

"The offense played the best game I've seen in three years," said Safety Brian Fabricant.

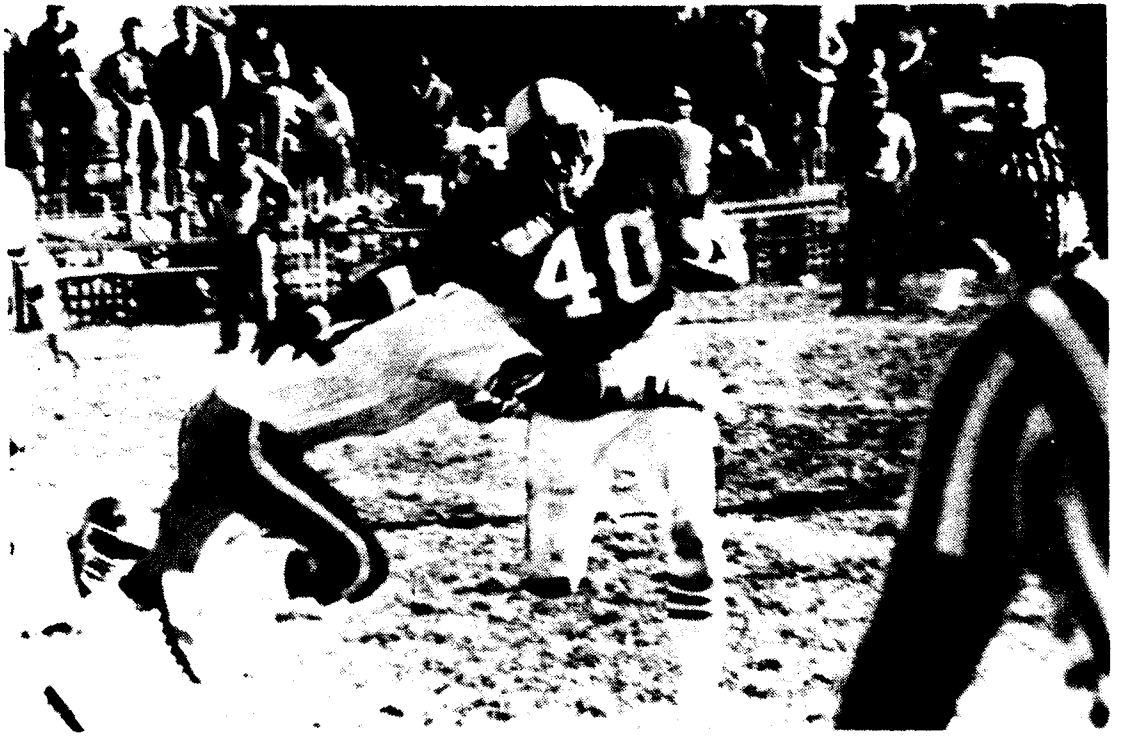
On an off tackle dive in the opening minute of the second quarter Halfback George Taylor made the game's first touchdown, running the ball in from the 12 yard line. Kicker Gus

Baco made the extra point and the Patriots took the lead, 7-0. Things were quiet for the next 11 minutes, then, with 2:30 left in the half, Flanker Terry Russell sprouted wings and fairly flew down the field from the Kingsmen's 40 yard line into their endzone, making the score 13-0. Once again Baco's kick was good and the Patriot's left the field at halftime with a 14 point lead over the still scoreless Kingsmen.

The fourth quarter showed a glimmer of hope for the Kingsmen who drove the ball deep into Patriot territory. It was third and one and the destroyer held the line, giving up only six inches but then came fourth down and six and Brooklyn Halfback Billy Machado held onto the ball as his entire offensive line pushed and tumbled over the goal line to score. Their two point conversion attempt was successfully blocked by the destroyer and the score was stalled at 14-6.

With only eight minutes left in the game McKenna threw a 33 yard pass into the open arms of Split end Fred Knechtel who ran into the endzone to score. Baco kicked the extra point and the score was 21-6.

Usually one only sees instant replays on televised football games but, with only four minutes left in the game McKenna and Knechtel discredited that idea by executing an almost exact replica of the previous touchdown. The only difference this time was that McKenna threw a 52 yard pass. The extra point was perfect and the game ended with the score at 28-6.



Patriot no. 40 resists tackle during Saturday's game against Division III Brooklyn College, where the Patriots emerged victorious with a score of 28-6. Statesman Steven Joel

Statistically the Patriot offense had 32 rushes for a gain of 74 yards and completed 10 of 16 passes for a total of 170 yards passing. "I had more time today than I ever had before," said McKenna. "I thank the offensive line for that. They were great."

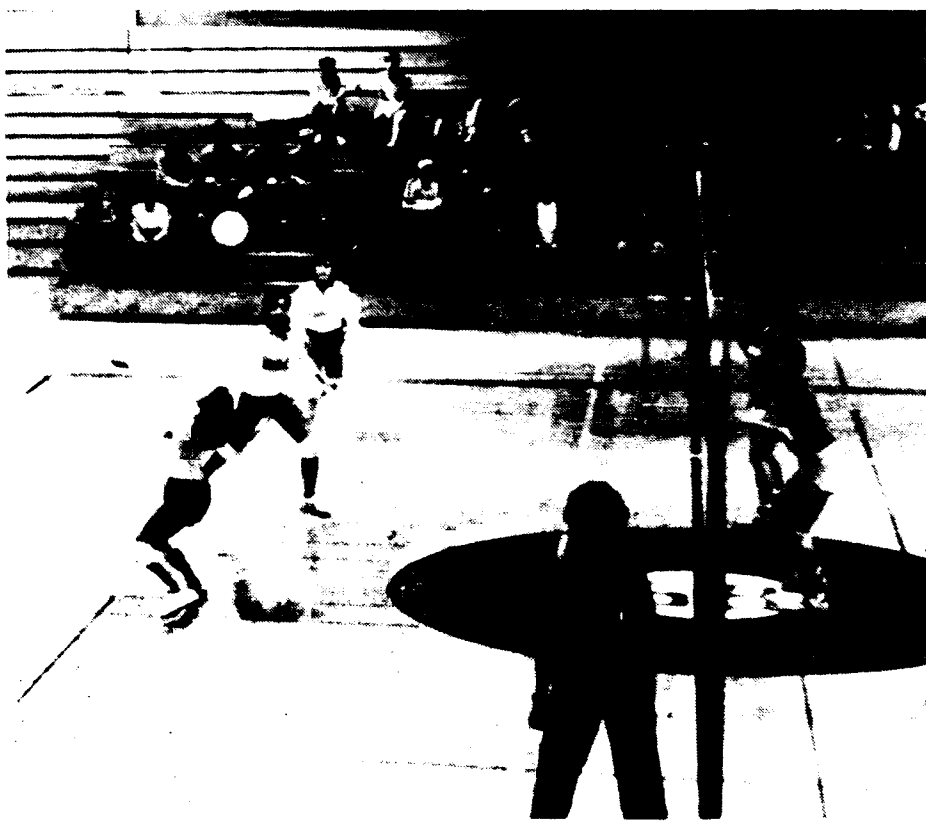
The great red destroyer gave up a total of 160 yards; 123 rushing and 37 passing. The destroyer made two interceptions in the forms of Defensive Back Bob Zippo and Fabricant. Mike Infranco led his team in tackles, making nine with two assists. He was followed by Defensive End Ron Briggins with

seven tackles and two assists. Defensive End Charlie Nicholas with seven tackles and one quarterback sack, Fabricant with five tackles and Zippo with four tackles, four assists and a fumble recovery to his credit. "The defense played the way we should because we're that good," Fabricant said.

"The offense really came of age today," Russell said. "We just came together and played good ball."

When questioned about his play Knechtel turned shy and murmured. "The line did everything." He was exonerated by

his coach when Kemp said, "Fred came out a week late for the team and after I saw him run and pass I said, 'Fred, you can help this team if you're patient', and he was, and now he's an excellent receiver." He just doesn't have anything to say about it. So his teammate, Left Halfback Jim Bruckner said it for him, and the rest of the Patriots, when he exclaimed at the end of the game. "We Knechtelized them! Fred was just phenomenal today."



The women's volleyball team earned two wins against Brooklyn College and Kings Point to make its record, 11-7. Statesman Thomas Shrn

SB Volleyball Team Picks Up Two Wins

By Teresa C. Hoyla

The Stony Brook Volleyball Team added two more wins to its record Thursday, when it defeated Brooklyn College, 15-13, 14-16, 15-2 and Kings Point, 15-4, 15-2.

"It was a big victory over Brooklyn as last year Stony Brook was defeated by them in a major tournament," said Coach Teri Tiso.

"It was a really good match. Janet Byrne, Michele Siroky and Carol Tompkins were the team's best hitters. They did a very good job on offense and had

good net plays," Tiso added. Outstanding defensive efforts were provided by Betsy Muniz, Ruth Levine and Lauren Beja.

Excellent efforts were also shown by Lori Horn and Te-Mei Shu in the Kings Point match. "They do not play often, but they put up a good show," Tiso said. "Through the match we were dominant. We had a constant attack and a total team effort."

Their record is 11-7 and the next match is at home today at 7 PM.

Sports writers needed.
If interested call Laurie at

6-3690