

Stony Brook

REVIEW

Open House
saturday, october 13, 1973

STATE UNIVERSITY OF NEW YORK AT

Stony Brook

HONORARY CO-CHAIRMEN
THE HONORABLE JOHN V. N. KLEIN, THE HONORABLE RALPH G. CASO

celebrating
the
25th anniversary
of the
state university of new york

Open House

SUNY Celebrates Its 25th Birthday

In 1948, New York State decided it was time to improve its system of public higher education to meet the needs of the State and to keep pace with the rest of the country. At that time, the closest New York could come to a state university system was its group of 31 state-supported but unaffiliated campuses, mainly teacher-training colleges, enrolling 28,300 students.

Today, 25 years later, there are 350,000 students and 72 campuses in a State University system that has become the largest in the nation. To celebrate the State University's 25th anniversary, SUNY's campuses across the state planned simultaneous Open House Day programs on Saturday, October 13.

The 25 years have, of course, passed quickly. As Smithtown Supervisor Paul Fitzpatrick put it, in a televised "Supervisor's Report" program devoted to Stony Brook's Open House, "The State University, like all of us, is getting old. We're proud of the institution that has grown and become our neighbor in Stony Brook, and I hope everyone will visit the campus on October 13 and help celebrate this silver anniversary."

Mr. Fitzpatrick served as a member of the Open House Committee that planned Stony Brook's

celebration. Suffolk County Executive John V. N. Klein and Nassau County Executive Ralph G. Caso were Honorary Co-Chairmen of the Committee, and a number of other community leaders were on the committee, including State Senator Leon E. Giuffreda, Assemblyman Peter J. Costigan, Assemblyman Robert C. Wertz and Brookhaven Supervisor Charles W. Barraud.

As this October issue of the *Stony Brook Review* went to press, Open House Day was less than two weeks away. Roughly three dozen separate campus events were planned for the day, ranging from walking and bus tours to closed circuit color television broadcasting, films, concerts, discussions, exhibits, an alumni homecoming "mini open house" programs and guided tours in various academic buildings, including an exhibition of moon rocks being used in earth and space sciences research on campus.

An open invitation had been extended to all community residents by President Toll who said "Community support has made the SUNY system possible, and we would like to extend a warm welcome to all community residents to visit our campus on October 13 and help celebrate this momentous occasion in the history of public higher education in New York State."

OPEN HOUSE EVENTS

- Walking Tours and Bus Tours
- Moon Rocks Display
- Multi-Media Engineering Program
- Computer-Assisted Instruction Demonstration
- Forum of Faculty Visitors to China
- Fence Painting
- Photo Exhibit: "Life on Campus"
- Library Tours, Archives Display
- Bone Museum
- Children's Music Appreciation Demonstration
- Alumni Homecoming – Football Game, Travel Show, Career Seminar, Party-Dinner
- Open Houses – Health Sciences Center (dental care, physicians associates, community health, anatomy, career clinic), Nuclear Structure Laboratory, Earth and Space Sciences, Chemistry, Biochemistry, Engineering
- Campus Color TV Recording and Playback
- Video Art Exhibit
- Football Widows Clinic
- Stony Brook Jazz Lab
- Arvell Shaw's Jazz Spectrum – Jazz Septet
- Ragtime Music Concert
- University Chamber Orchestra Concert
- Banjo Band
- Film Program
- Refreshment and Entertainment Tent



OPEN WIDE — The School of Dental Medicine of the Health Sciences Center opened this fall. Here, students Robert Peskin and Joan Phelan investigate new equipment with Dean of the School, Dr. J. Howard Oaks.

A Few New Additions Made This Semester

Stony Brook began the fall term on September 4 with several new additions — some 1400 freshmen and 1500 transfer students, new programs in Dental Medicine and Youth and Community Service, and two additional facilities — the Graduate Chemistry Building and the Math Tower. This year the residential colleges are all but filled, reversing a two-year fall-off in residential students.

The opening of the School of Dental Medicine with an initial class of 24 students marked the completion of the first phase of the academic development of the Health Sciences Center. All six schools of the Center are now in operation. The other schools are Medicine, Nursing, Allied Health Professions, Basic Health Sciences and Social Welfare.

The new undergraduate major in Youth and Community Service is being offered jointly by Stony Brook and Staten Island Community College. The program combines work in community agencies with interdisciplinary studies and is designed to prepare students for occupational and professional choices at the B.A. level in areas such as family and youth services, corrections work, counseling, recreational and cultural services, and related fields.

This year a variety of new courses are being offered on the undergraduate level including several practicum courses designed to help upper division students acquire instructional skills as teaching assistants. Other offerings run the gamut from a survey of primitive art to a political science course on the government and administration of New York City and an Asian studies colloquium on U.S.-Japanese relations.

Over the summer months several academic departments were relocated, moving from the South Campus and elsewhere to the Library, the new Math Tower and to the Graduate Chemistry Building. This winter Graduate Physics and the new Biological Sciences buildings are expected to be ready for occupancy.

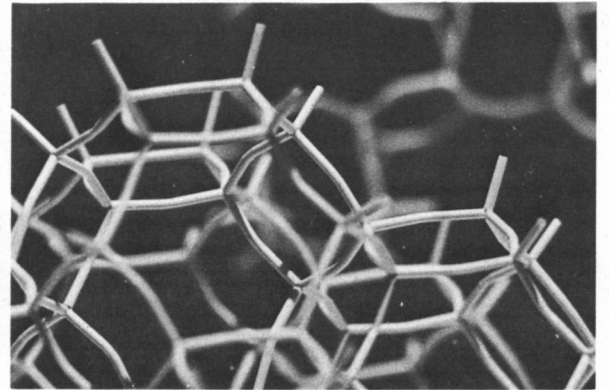
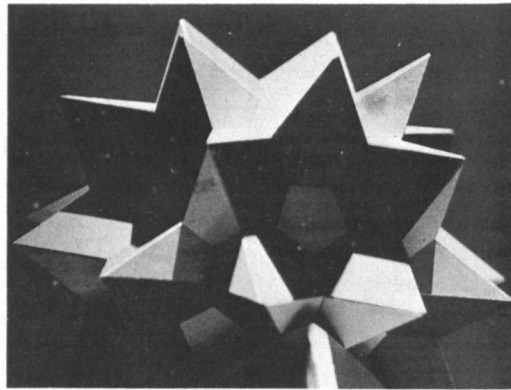
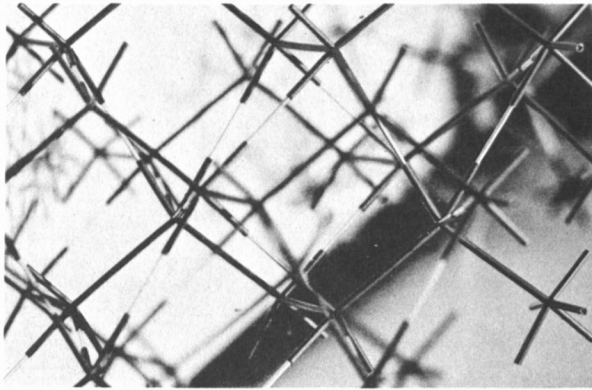
Two buildings on the South Campus are now in the final stages of adaptation for the School of Dentistry. One of these buildings will open later this fall as the Dental Care Facility providing the

first patient service operation of the Health Sciences Center. The facility is expected to provide a variety of dental care services for area residents and members of the University community. The curriculum of the School of Dental Medicine includes restorative dentistry, children's dentistry, periodontics, dental health, oral biology and pathology, and oral surgery. The Dental Care Facility is expected to provide services in many of these same areas.

During the past 11 years since the University was established on the Stony Brook campus much work has been done to provide the academic and residential facilities necessary for a modern institution of higher learning. Some 76 buildings now dot the 1100-acre campus which serves a daily population of 15,000 students, faculty and staff. Construction fences still surround the steel frame of the Fine Arts Center on the main campus and the Health Sciences Center across Nicolls Road. Work is also continuing at various parts of the campus on a new high temperature hot water system. But for the most part, the central campus is now free of major construction activity.

This summer a number of physical improvements were made on campus, providing new walks between buildings or restoring older walks damaged by use or construction activity or both.

At the urging of campus authorities, the Construction Fund authorized a clean-up program at sites where contractor responsibilities were in dispute. A similar program for other parts of the campus was initiated this summer by the Physical Plant which hired additional workers on temporary service for this purpose. A temporary bus turnaround has been built behind the old Biology Building so that bus service may be provided to a point close to the academic mall. Pedestrian crosswalks and the midlines of roadways were all repainted this summer. Final work on the realignment of the road in front of the new Physics-Math buildings has now been completed and the detour by the Gym has been closed. The parking lot at that site has been returned to campus use and a new temporary parking lot has been added near the new Physics Building.



The Eighth International Congress of Crystallography, during which these photos were taken, was held at Stony Brook in 1969, thanks to the New York State Science and Technology Foundation, which helped fund the event. Among the discoveries revealed at the Conference were the full analysis of the structure of insulin and the scientific analysis of the first moon rocks.



Stony Brook Aided By State Foundation

"Seed money" is an important concept on campus right now as the annual peak autumn season for faculty research grant applications gets underway.

Roughly 250 applications currently are pending, requesting funding from private and public agencies to support scores of projects in the natural and social sciences, health sciences, engineering and the humanities.

These applications — currently about one for every four faculty members — are the first step in providing a major, yet largely invisible source of dollars for University operations. Last year, for example, Stony Brook's state-appropriated campus budget of \$40 million was supplemented by an additional \$8.8 million in expenditures from research grants.

"Seed money," or "venture capital," usually is very much in the minds of faculty members seeking grants. Such funding has provided the quick, flexible potential necessary to start new programs when regular budget money is not available. The "seeding" often has involved using initial grant funds to establish new programs which grow quickly, attracting additional outside funding worth many times the original "seed" investment.

Perhaps the best example of this process at Stony Brook has involved "seed money" received from the New York State Science and Technology Foundation. Since the mid 1960's, there have been nine grants from the Foundation, representing a comparatively modest total investment over the years of about \$290,000. This included three grants totaling \$65,000 for support of the development of advanced work in theoretical physics, another physics grant of \$52,000 for a Visiting Distinguished Professorship program, a \$40,000 engineering grant for development of graduate work in systems theory, a \$25,000 chemistry grant for development of graduate work on the computer control of chemical instrumentation, another chemistry grant of \$25,000 for the international Crystallography Congress held on campus in 1969, a \$50,000 grant to mathematics-computer science to support an international conference in computing sciences, and another math-computer science grant of \$10,400 for partial support of a summer institute on number theory.

Reporting on these grants, President Toll said:

"The Foundation has seeded many programs of extremely great value. The amount of money actually granted by the Foundation is comparatively small. The Stony Brook campus has received a total of \$292,000 in nine separate grants over a period of five years. Dollar for dollar, I would be hard put to it to identify seed money that has borne more bountiful fruit. For example, the Nobel Laureate, Dr. C. N. Yang, came here as a Visiting Distinguished Professor of Theoretical Physics under one of the first grants of \$25,000; then he was persuaded to remain as a permanent member of the faculty and to occupy the Einstein Chair in Theoretical Physics. Under Professor Yang and aided by other Foundation grants, no less than a dozen Nobel Laureates have been attracted to summer Institutes of Theoretical Physics.

"It is not too much to say that Suffolk County is well on the way to rank as a world center for theoretical physics as a result of the developments started by this Science and Technology Foundation grant.

"The International Conference on Crystallography, made possible by a Foundation grant, was a brilliantly successful conference that brought prestige and distinction to the University, to Long Island and to the State. Discoveries revealed at this Conference include the first full analysis of the structure of insulin and the scientific analysis of the first moon rocks. The whole Conference was a very valuable linkage of world-wide science and industry."

These grants, President Toll maintains, have helped Stony Brook "attract great teachers, outstanding students and federal and foundation support of a magnitude far greater than the original investments."

The departments which received the \$292,000 in New York State Science and Technology Foundation grants now generate combined annual research expenditures of about \$3 million, with a fair percentage of this volume attributed to the stimulus provided by the Foundation's early funding.

The way in which the Science and Technology Foundation's grants have had a rippling effect far beyond their original dollar value can be seen in this report from the mathematics department on their \$10,400 grant for a numbers theory institute:

"The Grant persuaded the American Mathe-

matical Society to hold their conference here instead of Boulder, Colorado, where it had been originally slated. The existence of the conference, plus the apparent willingness of the State University of New York to support mathematics, induced James Ax, a world famous number theorist and organizer of the conference to accept an offer at Stony Brook. Ax, in turn, brought with him a young and a very fine number theorist from the Institute for Advanced Study. During Ax's first year here, we were able to bring two additional senior men: Michio Kuga, formerly Full Professor at the University of Tokyo and Johns Hopkins, a world renowned expert in algebraic number theory; and Han Sah, formerly Full Professor at the University of Pennsylvania and an outstanding general algebraist.

"With these three senior men the strength and reputation of our department in the area of algebraic number theory is absolutely established and we now are in a position to have our pick of the best young mathematicians in this area.

"We, Stony Brook and the State, bought a great deal for \$10,000."

Similar reports on the efficacy — or perhaps "germination power" — of the New York State Science and Technology Foundation grants are repeated time after time. The physics department, the greatest beneficiary of the Foundation's funding, had this to say in an official report on their use of the monies:

"The overall effects of these grants at Stony Brook has been profound and permanent. It is impossible to recall another case in which an institution has been so remarkably and rapidly improved by a single program. It is not too early to claim that the grants have accomplished a major eastward shift in the center of gravity of theoretical physics in the U.S.A. Because that work is so closely coupled to the federal research investment, such a development has important economic consequences for the whole state."

The Science and Technology Foundation will be making allocations this year based on a \$350,000 budget allocation from the State Legislature, up \$100,000 from a year ago. Judging from past experience and proven value, Stony Brook will be a heavy source of applications for these funds.

Transfer Students Are a Mixed Bag

What does Linda Shropshire of Suffolk County have in common with Edith Hartstein of Argentina? Nothing — except that both students and over 1400 others are transfer students attending Stony Brook for the first time this fall.

Stony Brook, like SUNY's other university centers, is accepting record numbers of transfer students who have completed their first two years of college work at State community colleges. This is due to a cooperative arrangement between the university centers and the State's two-year colleges, aimed at making the most efficient, non-duplicative use of the State's public campus facilities.

"Last fall, 1502 transfers registered for classes at Stony Brook, compared to 1354 fresh-

men, and I wouldn't be surprised if transfers outnumbered freshmen again this year," David Bertsch, assistant registrar commented.

Who are they? They are a former Florida State student who decided at the end of her junior year that it was time for a change; a Californian accepted at the Davis campus of the State University of California who applied to Stony Brook because he has friends living on Long Island; or most typically, a Nassau Community graduate who avoided the stiff competition for places in Stony Brook's freshman class and the economic drain of a four-year school by commuting to one of New York's community colleges.

Although a majority (estimates range as high as 900 out of 1546) of this year's transfers began their college careers at one of the 38 community colleges throughout the State, a handful come from overseas and a sizable number have credits from four-year schools in New York and other states. Because of drastic budget cuts this year,

the international students have dwindled in number, but transfers from four-year schools have remained constant. Graduates of community colleges on the other hand represent a larger proportion of Stony Brook's student body every year.

What are they like? Preliminary research based on a random sample of transfer students whose interests, values and dispositions were tested in the summer of 1972 indicates that on the whole, transfer students to Stony Brook are slightly more intellectually disposed than entering freshmen and slightly less scientifically oriented. Fully 56% of Stony Brook's transfer students expect to go on to graduate school.

Regardless of their backgrounds or where in the U.S. transfers begin their education, when they are accepted at Stony Brook they are invited to participate in one of the voluntary transfer orientation sessions. This year 50 transfer students opted for a special transfer orientation program, an intensive three-day session held July 22, 23, 24, which was so successful that its creator, Dr. Richard Solo, is planning on patterning all this summer's offerings after it.

What do they want? While students at orientation expressed interest in social activities and meeting people, the unanimous choice as the first topic on any agenda was academic: rules, regulations, requirements, grading. They wanted to be sure that credits earned at other institutions would not be lost; and they were concerned about getting passing grades.

To some extent this concern about academic performance is justified. As freshmen discover early in their first semesters, the competition for grades at Stony Brook, especially in the sciences, is intense. Many new students find themselves unable to major in the science of their choice, with the result that they must shift the field of their major from their initial choice to something for which they have less interest.

The new student's first semester is critical, in his own eyes, and in the view of the University community. Those who have survived "first semester disasters" attest to the anxiety they felt those first months. Such crises can hit community college graduates hardest, especially those (almost half) who have never lived away from home, and for whom, like the freshman, the size and complexity of the University are overwhelming. All new students must adapt to this new University environment, but transfer students must adapt more quickly than freshmen who have four years to become acclimated.

Robert Greenspan, a former transfer student who helps new transfers make that adjustment, came to campus from Suffolk Community College in 1971. "In some ways, the transition from Suffolk to Stony Brook was easier for me than most because I had friends here on campus."

Although a survey revealed that as a group, faculty could not detect the presence of transfers in classes, individual opinions vary widely. The transfers themselves often feel they stick out like corn stalks in a cabbage patch. In extreme cases, transfer students express alienation and isolation from the campus community. These feelings seem to be heightened when the student continues to commute rather than live on campus. Some transfers feel as though their foreheads were stamped with a large T, which fortunately seems to fade in a semester or less.

Though they are older than freshmen and have taken college-level courses, they are not necessarily more prepared for student life at Stony Brook. One student explained, "At Suffolk classes were smaller and the little circles we made with the desks encouraged sharing ideas. Participation was easier. It was a while before I realized that at Stony Brook I had to put more time in outside the classroom, talking to fellow classmates about the ideas of the courses and doing extra reading."

Some students feel liberated both socially and intellectually, upon transferring to Stony Brook. "The atmosphere here is charged with intellectual curiosity," a new transfer marvelled, "everyone seems to be doing research or reading or discussing ideas."

Many classical concerts and recitals have been scheduled for the 1973-74 season and more are being planned. Many of them will be free and all of them will be open to the public. The following schedule lists many of the upcoming musical events on campus. Additional information can be obtained from the concert manager's office, 246-5671.

Many Months of Music

- ^bSun., Oct. 21 University Orchestra, David Lawton, conductor
- ^{acf}Tues., Oct. 23 Charles Rosen, pianist
- ^{acf}Mon., Nov. 5 Baroque Music featuring Samuel Baron, flute; Ronald Roseman, oboe; Peter Wolf, harpsichord
- ^{acf}Mon. Nov. 26 Baroque Music featuring Jane Bowers, flute; Nora Post, oboe; Peter Wolf, harpsichord
- ^{aef}Fri., Nov. 30 Budapest Symphony Orchestra, Gyorgy Lehel, conductor
- ^{adf}Sat., Dec. 1 Gyorgy Sandor, pianist
- ^bSun., Dec. 2 University Orchestra, David Lawton, conductor
- ^aFri., Dec. 7 University Chorus, Ronald Jeffers, conductor
- ^{acf}Sat., Dec. 8 Martin Canin, pianist
- ^bSun., Dec. 9 University Band, Simon Karasick, conductor
- ^{acf}Wed., Jan. 23 Timothy Eddy, cellist
- ^{adf}Fri., Feb. 1 Jean Pierre Rampol, flutist
- ^{acf}Fri., Feb. 8 Peter Wolf, harpsichord
- ^{acf}Fri., Feb. 15 Jack Kreiselman, clarinetist
- ^bSun., March 3 University Band, Simon Karasick, conductor
- ^bSun., March 10 University Orchestra, David Lawton, conductor
- ^{adf}Tues., March 12 Renaissance Vocal Music featuring Les Menestriers
- ^{acf}Tues., March 26 Ronald Anderson, trumpet; Alvin Brehm, string bass
- ^{acf}Wed., April 3 Raymond DesRoches, percussion
- ^aFri., April 26 University Chorus, Ronald Jeffers, conductor
- ^bSun., April 28 University Band, Simon Karasick, conductor
- ^bSun., May 5 University Orchestra, David Lawton, conductor

^a At 8:30 p.m.

^b In the Second Floor Lobby, Administration Building

^c In Lecture Center 105

^d In the Stony Brook Union

^e In the Gymnasium

^f An Artists Series Concert. Tickets (\$2) will be sold at the door. SUSB students with validated I. D. cards will be admitted free.



Mr. and Mrs. Ward Melville inspect the sculpture of themselves created by Robert White, associate professor of art, before it is placed in Long Island Hall of Fame sculpture garden.

White Work Honors Melvilles

A sculptural representation of Stony Brook civic leaders Ward and Dorothy Melville, created by Robert White, associate professor of art, stands in a local sculpture garden formally opened in September.

The garden, to be the permanent home of the Long Island Hall of Fame, a collection of sculptures of prominent Islanders, is located on three acres adjacent to the site of a planned cultural history museum across Route 25A from the Carriage House Museum in Stony Brook. The present collection of six sculptures will grow to 11 when five additional sculptures for the garden are unveiled in November. The Hall of Fame is sponsored by the Research Foundation of the Long Island Association of Commerce and Industry.

Ward Melville donated the original tract of land on which the University stands. He is the chairman of the board of the Melville Shoe Corp. and honorary chairman of the Stony Brook Council, the local advisory board to the University. He is also the creator and developer of the colonial Stony Brook Shopping Center. His wife has been president of the Suffolk Museum and Carriage

House and active in many civic projects.

White's works have been seen in about a dozen one-man exhibitions and many group shows in the U.S. and Europe and is on view at the Brooklyn Museum and Rhode Island Museum, Providence. Among his major commissions is a nine-foot high bronze of St. Anthony of Padua he created for St. Anthony Auditorium in East Northport.


The sculpture garden is part of a major expansion program of the Suffolk Museum being executed on both sides of Route 25A near the Carriage House.

Other Long Islanders being honored by sculptures in the garden are: Leroy Grumman, founder of the aerospace firm; Leonard W. Hall, a former Republican national chairman; Guy Lombardo, bandleader; Robert Moses, park and bridge builder; Mr. and Mrs. Robert Cushman Murphy, environmentalists; A. Holly Patterson, a former Nassau County executive; Arthur Roth, a former chairman of Franklin National Bank; and August B. Weller, a founder of Hofstra University.

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