

Pataki Breaks Ground on Life Sciences Annex

Donning a hard hat, a shirt-sleeved Governor George E. Pataki picked up a shovel and turned over a small mound of dirt at the edge of the Life Sciences Building annex construction site.

A roar of bulldozers and backhoes snorted their approval, as did the applause of more than 200 dignitaries, and invited guests who ignored the hot sun and high humidity of the September 3 morning to mark the official start of construction on the 180,000 square foot facility. It is the first new academic building to rise here in two decades. Site work has been underway since late July.

Governor Pataki, one of a half-dozen speakers that crowded the outdoor makeshift stage and podium, heralded the day as "a significant chapter not only in the life of Stony Brook and the State University, but also in the lives of countless individuals in the state, national and international communities. This is where the battleground against the health threats of cancer, AIDS and Lyme Disease and other diseases will be fought and won," said the Governor, departing from his prepared text to tell the audience that he, too, had Lyme Disease ten years ago and looked to the new facility to find a cure for all its victims and those of other ills.

When completed in three years, the facility — which will house the Center for Molecular Medicine and Biology Learning Laboratories — will be the new home of various biotech and life science disciplines including cell and developmental biology, human genetics and structural biology, and a cancer research center.

"Biotechnical and related areas of research and study have been responsible for those critical discoveries which cure disease and strengthen both the duration and quality of life," the Governor said. "Today, this is the site of a ground breaking. Tomorrow, this will be the site of ground breaking discoveries which will put New York State at the cutting edge of medical and biotechnical research."

University President Shirley Strum Kenny noted that the University was "deeply indebted to the Governor for his assistance in getting the \$40 million needed for the project. Just last year, Stony Brook attracted \$125 million in outside research funding and indeed, is ranked as one of the major research universities in the nation. Approximately \$50 million of that funding was in the biological sciences area. This new facility will enable us to expand our capabilities, attract more research dollars and continue our role as a world class institution."

President Kenny especially acknowledged "the researchers who created the need for such a facility. Our faculty members have been recognized for their excellence in such prestigious rankings as the National Research Council and the Institute for Scientific Information." The NRC's ranking of doctoral programs by faculty reputation placed Stony Brook ahead of any public university in the east. The ISI ranked Stony Brook ninth among all institutions in the nation and fourth among all public institutions in molecular biology. In plant and animal sciences, Stony Brook ranked third in the nation.

"Biotech is a billion dollar industry in New York State" Dr. Kenny added. This facility will have a tremendous impact in the Long Island economy as it



DIGGING IN: Governor George E. Pataki (center, left) and President Shirley Strum Kenny (center, right) are joined by (from left) Assemblyman Robert Wertz, Nassau-Suffolk Building Trades Council president/secretary-treasurer John Kennedy, Stony Brook Council chair Richard Nasti, and State Senator James Lack in turning over the first shovels full of dirt for the Life Sciences annex.

continues to grow and employ people in the biotechnical and related fields. The tremendous expansion of biotech at Stony Brook, coupled with the close collaboration between Stony Brook, Brookhaven and Cold Spring Harbor laboratories, is proof positive that this industry is critical to the future of the region. As Stony Brook and Long Island continue to demonstrate an expertise in this area, more companies involved in the field, be they pharmaceutical or other, will want to grow on Long Island and tap the incredible talent pool at the University" Dr. Kenny added.

In presiding over the event, Richard Nasti, '78, chairman of the Stony Brook Council, praised the Governor for his efforts in obtaining funds to build the facility. "This is one Governor who understands the relationship between academic excellence and achievement and economic development. While some talk about technology transfer and the creation of jobs, Governor Pataki has translated it into action as demonstrated by today's groundbreaking."

Also among the speakers were Jack Kennedy, president and secretary treasurer of the Long Island Building Trades Council and Thomas Egan, chairman of the SUNY board of trustees.

The \$33 million, six-story annex was designed by Abramovitz, Kingsland and Schiff of New York City and will be linked to the existing Life Sciences building at the basement level and by two sky bridges, one on the second floor, the other on the fourth. The project also includes construction of a new section of South Loop Road, east of the present roadway.

During construction, pedestrians heading south from the University's Social and Behavioral Sciences Building, will be directed to an existing corridor that runs between the front of the Life Sciences Building and the Life Sciences Library. Pedestrians using the



FACE-TO-FACE: Governor Pataki stops to chat with the construction crew.

Nicholls Road underpass from the Health Sciences Center on the east campus, can reach the west campus by following existing walkways along the south side of the Life Sciences Building.

South Loop Road will be closed to thru traffic between Lake Drive and the Administration Building through early fall while site work is underway. Trucks, cars, and emergency vehicles will continue to be able to use South Loop Road to access the loading docks at the Life Sciences and Social and Behavioral Sciences buildings and the Nicholls Road underpass. About 80 faculty/staff parking spaces behind the Social and Behavioral Sciences building were relocated to an expanded faculty/staff parking area northeast of the Administration Building.

Employees, students and visitors can get current information on parking, walkway and road construction by tuning into WUSB-AM, the new campus radio information line at 1630 on the AM dial. They can also call 632-INFO for construction related updates.

Money, U.S. News Name Stony Brook A Best Buy

Stony Brook is among the nation's top 50 higher education values, according to new surveys by **Money** magazine and **U.S. News & World Report**. No other Long Island institution made the lists.

Money's '97 College Guide, Your Best College Buys Now, which hit the newsstands this month, placed Stony Brook in the 40th spot in its "Top 100" list based on a review of 1,550 institu-

tions nationwide. In terms of "best buys" in the region, **Money** ranked the University sixth in the northeast, beating out such institutional stalwarts as Harvard, Dartmouth and Columbia University.

Money based its ranking on the highest quality education for the tuition charged. In finalizing its list, it considers SAT scores, class rank of entering freshmen, high school grade point averages,

faculty resources, faculty quality, faculty deployment, library resources, instructional budgets, student services budgets, the freshman retention rate, four, five, and six year graduation rates, advanced study, the default ratio on student loans, the number of graduates who earn doctorates and the success of its graduates in the business world.

The **U.S. News & World Report** rankings, which appear in the magazine's

10th annual America's Best Colleges issue that went on sale September 9, put Stony Brook in 48th place on its "Top 50" list of national universities that offer students the best value for their educational dollar. The rankings provide what the magazine says is "a realistic measure of where students can get the best education for the money."

Coming Up

• Annual University Convocation, September 18, Main Stage, Staller Center, 4 p.m

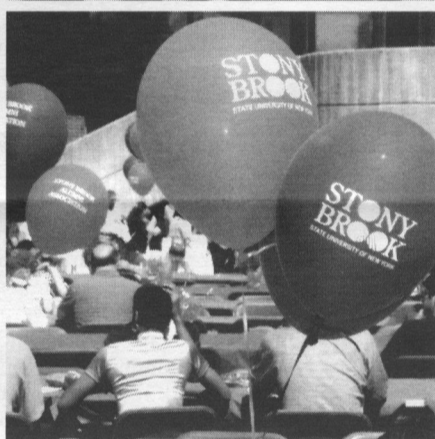
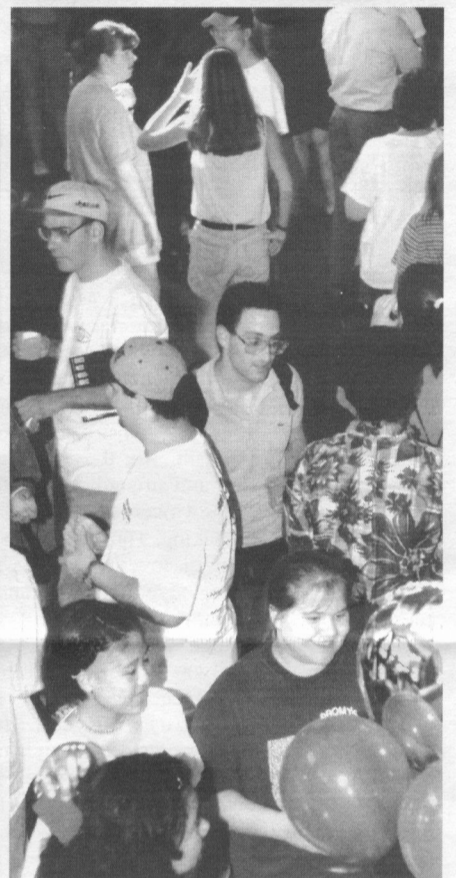
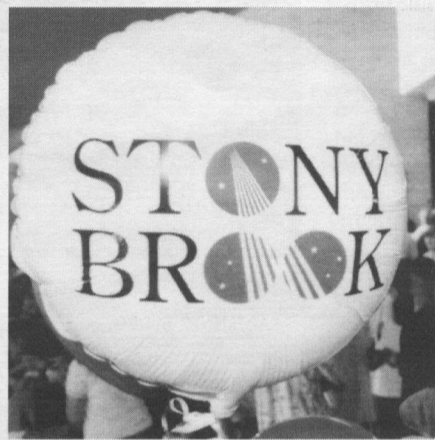
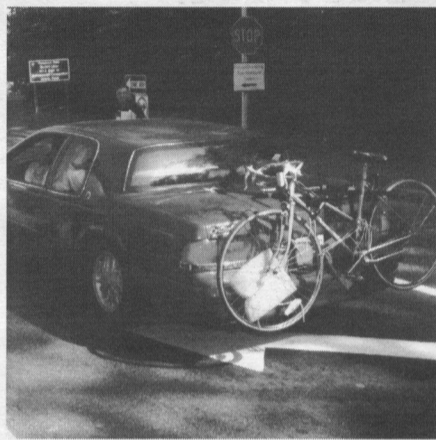
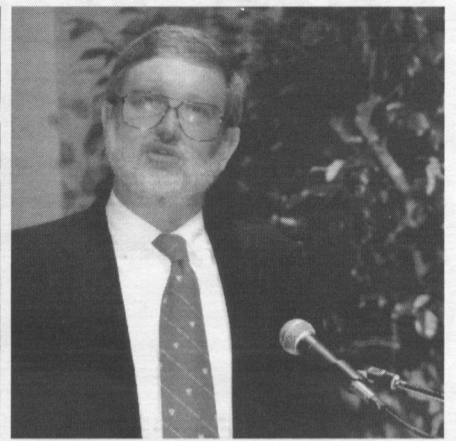
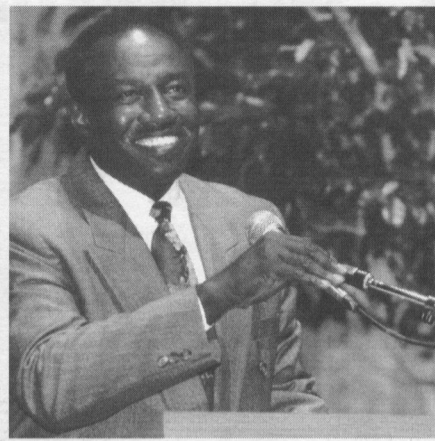
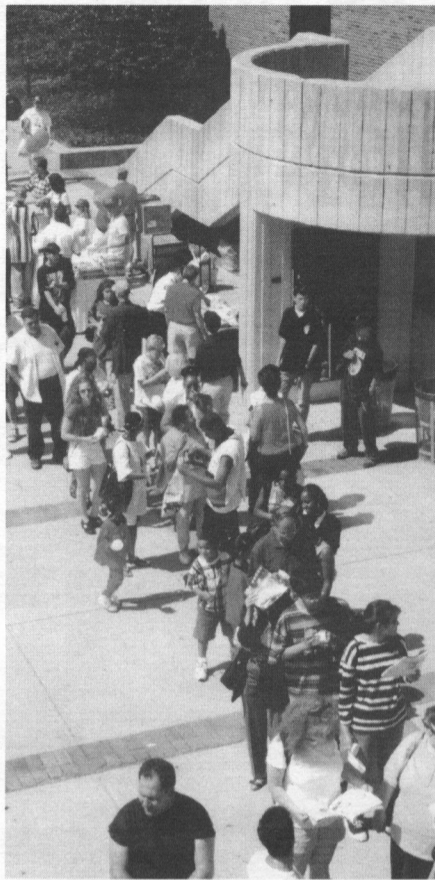
Doors open at 3:30 p.m. to view a special student art show in the Staller Center lobby. Video footage of the Roth Cardboard Boat Race starts at 3:50 p.m. President Shirley Strum Kenny will deliver the keynote address. Dr. J. Hoawrd Oaks, vice-president for Health Sciences, will be saluted on the occasion of his retirement. A public reception in the Fine Arts Plaza, following the Convocation, will be in Dr. Oaks honor.

• Five Year Plan Public Hearings, September 25 & September 26, Recital Hall, Staller Center, Noon-2 p.m.

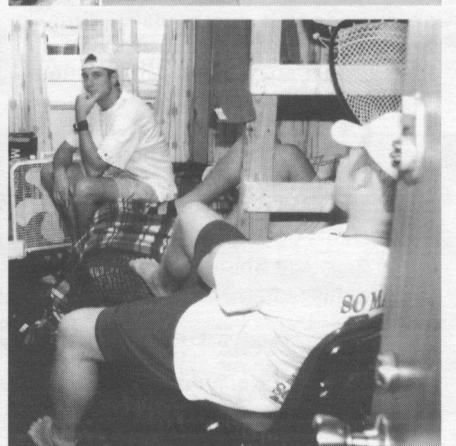
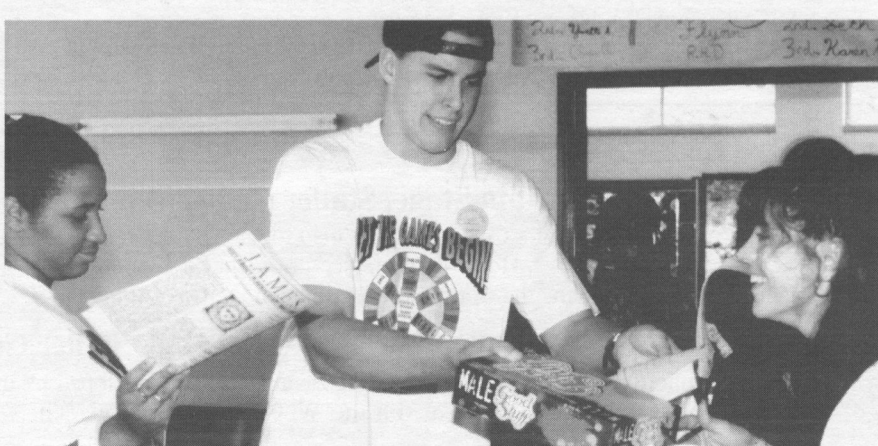
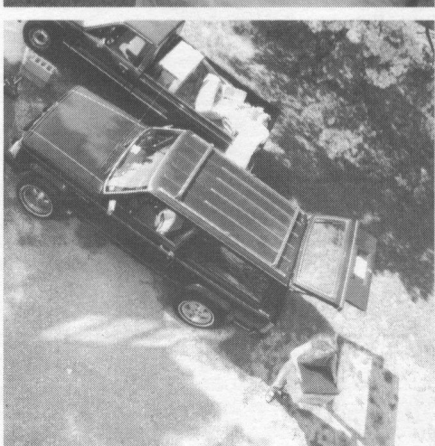
President Kenny invites the campus community to publicly comment on the draft of the Five Year Plan developed by the Five Year Plan Coordinating Committee. Copies of the draft will be available in departmental offices, on the Web and in the President's Office prior to the hearings. For information, call 2-6265.

New Kids on the Block

Stony Brook's Freshman Class Arrives On Campus
Amid Fanfare, Fun and Frolic.



Nearly 2,000 freshmen, accompanied by friends and family, streamed onto the Stony Brook campus on Monday, September 2, the official "move-in" day for the Class of 2000. For many, the day began by unloading cars packed with luggage and boxes of clothing and furnishings. Later, as students began to familiarize themselves with the campus, there were tours to take and new friends to make. At noon, Stony Brook's Alumni Association hosted a barbecue on the Fine Arts Center Mall. And at 4 p.m., famed actress, comedienne and author Bertice Berry (second row, second photo, left) delivered the keynote address at a New Student Convocation. Offering words of welcome were (top right) President Shirley Strum Kenny, Provost Rollin Richmond (second row, right), and Vice-President for Student Affairs Fred Preston (second row, second from right). Photographer John Griffin captures the spirit of the day.



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HAPPENINGS also welcomes off-campus classifieds and display ads. Camera-ready display rates are \$600, full page; \$400, half-page; \$250, quarter page; \$175, one-eighth page.

Classified fees for non-campus users are \$1.50 per word (one to two insertions); \$1.40 per word (three to five insertions); \$1.30 per word, six to eight insertions). Ten word minimum.

HAPPENINGS is published every other Wednesday during the academic year when school is in session. Deadline for advertising is two weeks before the publication date. Checks or money orders must accompany ads and should be made payable to the Stony Brook Foundation. For additional advertising information, call 516-632-6311.

We reserve the right to select our advertisers. We are not responsible for any item or service advertised on these pages.

ANNOUNCEMENTS

Postal Services, Boxes On Campus: A full-service branch of the U.S. Post Office is located in the Melville Library adjacent to the bookstore. It offers a wide array of postal services including money orders, sales of stamps and envelopes as well as all foreign and domestic Express Mail services. Post Office boxes are also available. The branch is open Monday through Friday from 10 a.m. to 2 p.m. The phone number is 2-9645. For more information about the services provided or if you would be interested in renting a post office box, call Mail Services manager, Tom LaRusso at 2-6231, Monday through Friday from 8 a.m. to 3:30 p.m.

WANTED

HELP WANTED

Psychology, Sociology and/or Health Related students interested in professional experience working with autistic child in a one-to-one behavioral home program (Lovaas), call 751-3810. Must be highly motivated and dependable. Pay commensurate with experience. Will train. Internships also available for Stony Brook credit. Two references.

Student Bus Drivers Needed. Want a part-time job that not only gives you money for school but also give you a valuable resource that will last a lifetime? A job with hours that are tailored to your schedule with a starting salary of \$8 per hour? Qualifying students can take advantage of free training to obtain a class B Commercial Driver's License with a passenger endorsement and become a professional USB bus driver. The license you receive could cost thousands of dollars at a private commercial driving school, but here the training is free with on-campus convenience. Interested applicants can contact Eileen Saylor at (516) 632-6491 or pick-up an application at the bus trailer located in South-P-Lot.

The Department of Environmental Health & Safety has a group of positions open for qualified work-study students including fire safety assistant, safety services assistant, data management assistant, occupational health services assistant and health physics lab assistant. No prior experience is necessary. For information, call Renee Nelson at 632-9671.

VOLUNTEERS/DONATIONS

Actors (dialects & impressions), writers, directors, musicians, and engineers wanted for The Montage Radio Theatre Troupe which will be performing radio plays in the studio on WUSB-FM and elsewhere and before live audiences. On tap is a remake of "War of the Worlds" and a live performance for the I-CON science fiction convention in April, 1997. For information, call Bradley Arrington at 632-6800.

Donations of new and used clothing and decorative household items are needed for the University Medical Center thrift shop, the Nearly New Boutique, 116 East Main Street in Port Jefferson. For information, call the Auxiliary office at 444-2699.

Donors Wanted. University Medical Center at Stony Brook needs volunteers to donate blood or a component of blood called "platelets." The Center is one of the largest users of platelets on Long Island. If you would like to become a Platelet Donor or make a regular donation, call 444-2634, Monday through Friday from 8 a.m. to 7 p.m. or Saturday and Sunday, from 9 a.m. to 1 p.m. Free refreshments are provided after the donation.

Union Art Gallery needs volunteers to help with Gallery programs and settings, Noon to 4 p.m. Contact Marcia Weiner at 2-6822 or stop by the Student Union & Activities Office, Room 266, Stony Brook Union.

University Medical Center Hospital Auxiliary needs volunteers to staff its thrift shop, the Nearly New Boutique, at 116 East Main Street in Port Jefferson. For information, please call the Auxiliary office at 444-2699.

VOLUNTEERS FOR STUDIES, PAID & UNPAID

Mothers of Young Infants. Mothers of babies under a year old can earn \$25 for a two hour study on "Cognitive and Perceptual Changes in Motherhood" conducted by the Department of Psychology. Call Dr. Mezzacappa at 632-9508 or 632-7178.

NUMBERS YOU NEED

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- TO REPORT A SAFETY HAZARD: 63A-ALERT
- GENERAL CAMPUS INFORMATION: 632-NEWS
- SPORTS INFORMATION: 632-WOLF

SCHOLARLY MATERIAL

Writer seeks anecdotal material for magazine article/possible book on buying a new home or a resale and about moving across country or across town. Have you a horror story? Good advice you'd be willing to share with others? Leave message or your name and telephone number at 516-751-7131 for a call back.

MUSICAL INSTRUMENTS

Harp. Amateur but serious self-taught musician seeking harp with pedals on which to learn and at reasonable cost. Call 632-9195 with specifics, asking price.

FOR RENT

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Smithtown. One bedroom apartment, upstairs, suitable for single occupant. Seven miles from campus. \$600 per month includes utilities (except cable and phone). Call 360-3270.

Miller Place. Furnished house with three small bedrooms, at the beach. Scenic Long Island Sound view. Private, quiet community, 15 minutes from campus. Available after Labor Day through the end of May. \$1,050 per month plus electricity. Call 473-1938.

FOR SALE

AUTOS, TRUCKS, OTHER VEHICLES

Bicycle. Men's three-speed, 19" frame. Excellent condition. \$65. Call L. Paldy, 632-7075.

CLOTHING

Wedding gown. Excellent condition, size 5-6, pearl, lace and satin with long train also included pearl headpiece \$500. Call 289-0569 after 6 p.m. or leave message.

HOUSES/CONDOS

Nob Hill South. Condo for sale, located off exit 58, LIE. Large one bedroom lower unit with all new vinyl siding, kitchen, ceramic tiled bath and plush beige carpeting. Washer/dryer, 2AC and mirrored dining area. Must see. Owner asking \$69,500; willing to negotiate. Call 471-2780 evenings.

Stony Brook. Walk to campus! Buckingham ranch for sale. Three bedrooms, two baths, central air conditioning, new roof, burner. Fenced. Alarm system, carpeted, eat-in-kitchen, 1,500 square feet, excellent condition. Asking \$159,000, flexible arrangements. Call 751-4865.

JEWELRY

Silver and marcasite jewelry for sale. Call 928-2395 after 6 p.m.

CLOTHING

Hand-knitted slippers and boot socks from Ecuador, \$10; Also, jackets from small to large, llama wool, from Ecuador, \$50. Call 751-7371.

HOUSEHOLD ITEMS, APPLIANCES

Americana GE electric stove, double oven, self-cleaning, \$100. Call 516-751-7371.

Lenox china and crystal, odd pieces, for sale. Call 928-2395 after 6 p.m.

Sears trash compactor. Good condition. \$75. Call 516-751-7371.

SERVICES

CHILD CARE

Stony Brook Child Care Services, the on campus child care center, has limited Fall openings for 3-5 year old children. SBCCSI has accreditation by the National Academy of Early Childhood Programs (one of only 2% in the nation), full time staff with B.A. degrees, low child to staff ratios (1:6), child-centered program, a home-like setting, a sliding fee-scale, and tuition subsidies for SUNY affiliated, income eligible families. For information, call 632-6930.

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H A P P E N I N G S

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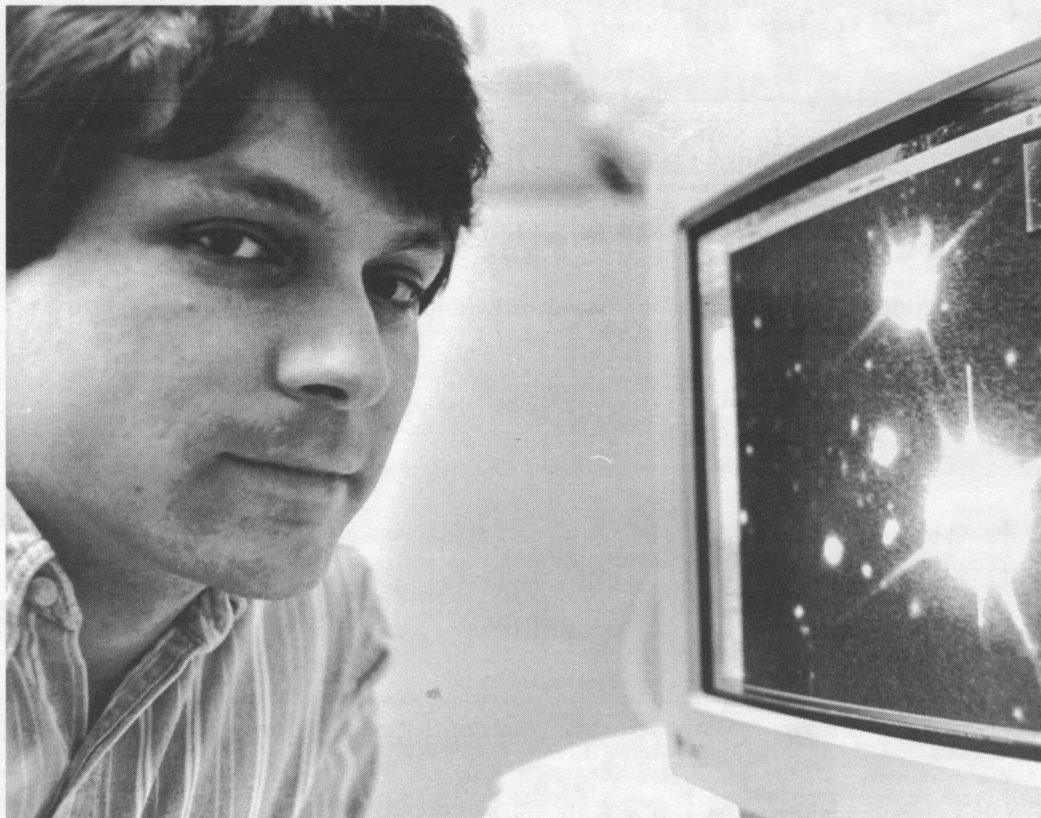
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Stony Brook Astronomers Look Back in Time



Researcher Ken Lanzetta who, with Amos Yahil, found the deepest objects in space. At right, a small portion of the Hubble Deep Field image—the deepest view of the universe—taken with NASA's Hubble Space Telescope.



Arrow points to a very faint galaxy that appears to be more distant than any known previously. Other galaxies in the image are at smaller distances.

Two Stony Brook astronomers analyzing the Hubble Deep Field — the deepest view of the universe taken with NASA's Hubble Space Telescope — have uncovered what may prove to be the most distant objects observed to date. Their findings, just published in the British science journal, *Nature*, have attracted attention in the press and scientific community, world-wide.

Scattered among the nearly 2,000 galaxies in the Hubble images, which were taken last December, professors Kenneth Lanzetta and Amos Yahil and a collaborator, Alberto Fernandez-Soto of the University of Cantabria, Spain, found several dozen galaxies that appear to be more distant than any seen previously. Six of the galaxies appear to be more distant than the farthest quasars, the current distance record holders.

The candidate galaxies are so far away, they may have existed when the universe was less than five per cent of its present age. If this early galaxy population is confirmed through further observations, it means that such galaxies would have formed remarkably early in the history of the universe, only a few hundred million years after the Big Bang. The images also give an estimate of how many galaxies were forming at this time in the early universe.

In one of the first detailed studies of the statistical properties of these distant galaxies, the astronomers have attempted to determine the distance of each of the galaxies based on their colors. "Because light travels at a finite speed, the galaxies are seen as they were in the distant past, allowing us to study the birth and growth of galaxies versus time," explains Dr. Lanzetta. "Our results have implications bearing not only on the formation and evolution of galaxies but also on the ultimate fate of the universe," adds Dr. Yahil.

The team's distance estimates rely on the relationship between speed and distance in the expanding universe. The expansion of the universe

causes the light from distant galaxies to be "redshifted." This means that light which leaves a distant galaxy as blue arrives at Hubble as red because of the expansion of space. For a nearby galaxy, the shift from blue to red is relatively small, but for a distant galaxy, the shift is dramatic, because the light is crossing a larger volume of space.

The researchers took the colors of different kinds of nearby galaxies and redshifted them on a computer to compare them to the colors of the galaxies observed by Hubble. For each galaxy, they assigned a "most probable" redshift based on the best match to the "spectral templates" they developed.

While the procedure is not definitive for any individual galaxy, the authors contend that it is correct for the majority of galaxies and gives a good overall view of the distribution of distances of the galaxies seen in the Hubble image. If the redshifts are correct, then the light from these galaxies was emitted when the universe was less than one billion years old.

"I am delighted to see the images being used for such studies. The discovery of very

high redshift galaxies is a very provocative result and extremely interesting if it is right," says Harry Ferguson of the Space Science Telescope Institute in Baltimore, Maryland, a member of the team that obtained the Deep Field Observations. "It's going to be extremely difficult to confirm, but that will be a high priority for the new infrared camera that is going on the telescope next February."

The Hubble Space Telescope spent ten days in December, 1995, observing a single tiny patch of sky. These observations resulted in the deepest image of the sky, revealing galaxies fainter than had ever been seen before. The striking full-color image of the distant universe was unveiled at the American Astronomical Society meeting in January 1996, and in recent months has been the subject of intense study worldwide.

"Our results have implications bearing not only on the formation and evolution of galaxies but also on the ultimate fate of the universe"

— Dr. Amos Yahil

Science Newsmakers

John W. Delano, a 1977 Ph.D. graduate of Stony Brook's Department of Earth and Space Sciences, recently received two honors at SUNY Albany: the Chancellor's Award for Teaching and chairmanship of Albany's newly formed Department of Earth and Atmospheric Sciences.

At Stony Brook, professor Delano worked on lunar samples for his doctoral dissertation, *Constraints on the Composition and Chemical Evolution of the Earth's Moon*. His advisor was professor Donald H. Lindsley.

Before joining the Albany faculty in 1982, professor Delano was a postdoctoral research fellow at the

Australian National University from 1977-80. He returned to Stony Brook as a postdoctoral research associate from 1980-82. Dr. Delano is a leading expert on lunar glasses and has served as a consultant to the National Aeronautics and Space Administration.

Biomedical researcher **Nancy M. Hollingsworth** has been named a 1996 Pew Scholar in the Biomedical Sciences for her research into the role of the Meiosis-Specific MutS Homolog, MSH5, in Yeast and Mammals. Cited by The Pew Charitable Trusts as one of 22 of America's most promising biomedical researchers, she will receive a

total of \$200,000 to support her research over a four-year period.

Ecology & Evolution's **Robert Sokal** will be the seventh Paul T. Baker Lecturer in Human Biology & Anthropology at Penn State on October 7.

Three researchers have been named recipients of the William J. and Florence M. Catacosinos Awards for Cancer Research. A fourth has won the William W. and James W. Catacosinos Fellowship in Computer Science. The awards were made at a recent breakfast at the University Club sponsored by the Stony Brook Foundation.

Named recipients of the William and Florence Catacosinos Young Investigator Award for Cancer Research were **Dr. JoAnne Engebrecht** of the Department of Pharmacology and **Dr. Xose Bustelo** of the Department of Pathology. **Dr. Dimitry Mozzherin** of the Department of Pharmacology was awarded the William and Florence Catacosinos Cancer Research Award for outstanding research conducted during a postdoctoral fellowship. **Kostantinos Sagonas** of the Department of Computer Science was presented with the William and James Catacosinos Fellowship in Computer Science.