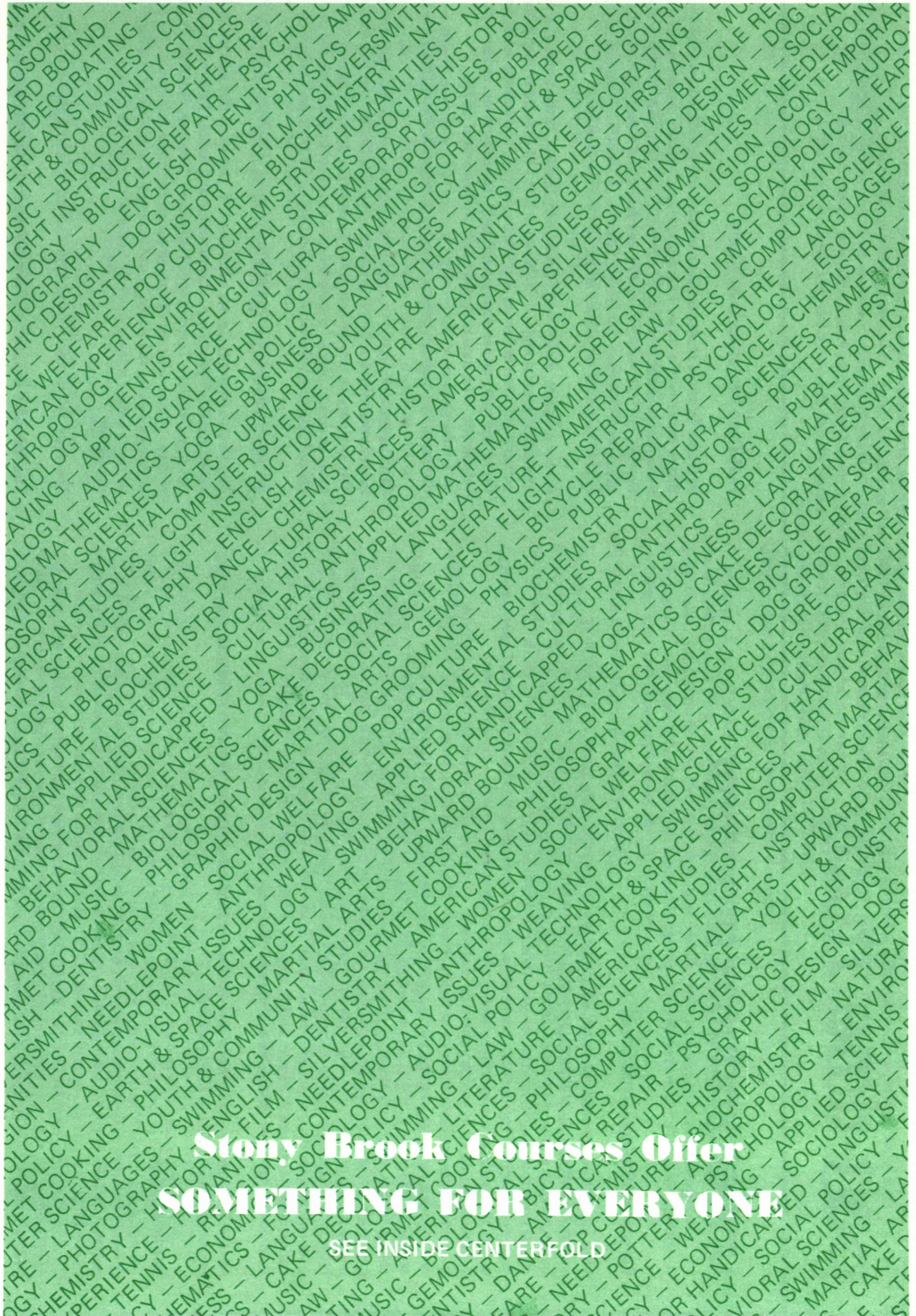


Stony Brook

REVIEW



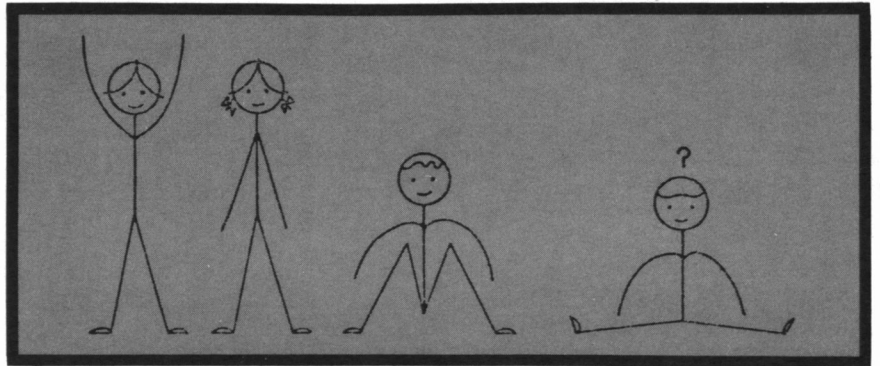
Stony Brook Courses Offer
SOMETHING FOR EVERYONE

SEE INSIDE CENTERFOLD



Music is Fun For Youngsters Taught By Stony Brook Teachers

Professor Laszlo Halasz, left, who is responsible for establishing the pre-instrumental music education program on Long Island, is leaving the Stony Brook program in the hands of Lecturer Anthony Ray, right, who will assume the directorship of the project this fall. The program has trained scores of teachers who are now using the unique approach to teach music to hundreds of elementary school children in Long Island schools and elsewhere.



Students assume different postures to represent musical notes, in this case, *la*, *so*, *mi* and *do*.

photos by Susan P. Hamilton



Mrs. Ingrid Feingold, using the pre-instrumental music approach learned at Stony Brook, teaches youngsters at the Stage XII Day Care Center on campus.

Fun and games are the instruments for a music education method that has been taught to scores of Long Island elementary school children over the last seven years through a European program adapted for America by Laszlo Halasz, professor of music in teacher preparation at Stony Brook. Known as the Kodaly Method internationally, but as Pre-Instrumental Music Education at Stony Brook, it is based on extracting the basic components of music from children's songs like "Rain, rain go away," without using musical terminology or theoretical explanation. In the singing and playing of games, musical elements are taught subliminally using visual aids and hand signals.

Initiated on Long Island by Prof. Halasz, a colorful figure in American opera during the post-war years and father of the New York City Opera, use of the Kodaly Method has grown dramatically since its modest beginning in 1967 at St. Peter's parochial school in Port Washington where Prof. Halasz's daughter was a second grader. Today the Method has been adopted by school districts in Roosevelt, Wyandanch, Huntington, Southampton, Smithtown, West Hempstead and several other towns on the Island. It is also being taught youngsters in the Stage XII Day Care Center at Stony Brook.

Prof. Halasz, who learned to read music as a child in Hungary by a similar approach, credits the Hungarian composer, conductor and music educator Zoltan Kodaly for the idea of modifying the Hungarian music education method for American children. Prof. Halasz was chairman of the orchestra at the Eastman School of Music when Mr. Kodaly visited him in 1966. "Aren't you ashamed of yourself?" Mr. Kodaly chided his former pupil. "Just like an American big shot always to play in big cities. How about doing some pioneer work?" Although Mr. Kodaly died before the program was ever established in this country, Prof. Halasz remembered Mr. Kodaly's admonition.

The "maestro," as Prof. Halasz is affectionately called by his students and colleagues, went to the sister who ran St. Peter's and offered to teach music to 25 randomly selected children for two hours a week. "All the children learned to write and read the most complicated music! When they played instruments a few years later, they leaped ahead of their other classmates," he said. On the average the students learned to play instruments three times as fast.

A demonstration of the Method at Old Westbury led to the maestro's appointment as chairman of the music department there, and the program grew faster than he thought possible. Soon it attracted the attention of the Ford Foundation. With a \$108,000 grant, Halasz transferred his base of operations to Stony Brook where many teachers have received their masters degrees in the Method through the Center for Continuing Education. This fall, a special program of evening courses in the Method for part-time graduate students is being taught. All students are not music students; the Method can easily be taught to regular classroom teachers.

Although no one questions its effectiveness, some educators question the Method's philosophy and emphasis. It is argued that Americans have traditionally used music in the elementary schools more for social and emotional development than

to produce concert performers. Elementary school teachers usually do not have a mandate from the community they serve to produce musicians. "We are training audiences, not just musicians," Prof. Halasz responds to this kind of criticism. "We are providing the knowledge to create the badly needed audiences for our starving musical organizations."

For the student who is interested in learning to play a musical instrument, "this Method provides an excellent background and introduction to music," Prof. Halasz explains.

"A child should and can be educated at age four," the maestro maintains. Beginning with familiar nursery rhymes, (which, like children's songs throughout the world, use a five-tone scale) the children learn to extract musical principles such as scales, intervals, pitch and rhythm from the simple tunes. "The essential feature of this Method is that the teacher keeps repeating each little rhyme with appropriate accompanying movements of hands, body or steps so that the pupils are attracted by the motions, start spontaneously copying them and are drawn into making a game of them," the maestro illustrates as he talks. "First the children walk and clap to the rhymes until they become totally immersed in the music. Over a period of time this teaches them rhythm."

Next they learn at their own pace that ta's (quarter notes) and ti-ti's (eighth notes) correspond to syllables: "Cary Grant" is ti-ti ta, for example. In first grade, the children may learn to sing notes to their favorite rhymes, starting with mi and so. Adding a note at a time, the six-year-olds begin to "write" rhythms by breaking songs down into ta's and ti's.

In grades 2-5, the future musicians and concert-goers expand to the point where they can write the notes of the scale that correspond to a certain tune. To help sharpen the student's ear, hand signals (visual logic) first used in ancient Egypt are introduced: as the hand moves up, the tune moves up and vice versa.

The Method becomes more complex as the musical principles become more sophisticated: Blue and red discs are introduced that can be moved about on a magnetic board. The spacing between the discs is increased as the notes lengthen. For higher notes, the discs are moved upward, for lower notes downward. Meanwhile the children continue to act out the notes of songs with hand signals and body movements. Sticks in different shapes represent the tempo of a song.

"Listen carefully," says the teacher. "You know how to lay out the tune with discs. You also know how to lay out the rhythm of the tune with sticks. We call the symbols we use to show the highness or lowness of sound PITCH (so, mi, la) and their value or length (ta, ti-ti) NOTES."

By now the children have discovered the staff, and the G clef. They have progressed from body movements to hand movements to discs and sticks and finally they will learn written notation.

By the time these children are 11 or 12 and it is time to play an instrument or sing in a chorus, they know more about intervals, sound, notation, pitch, rhythm and other musical principles than most of us learn in a lifetime. ▼

part-time study

A host of course options, many part-time, are now available to community residents for graduate, undergraduate, non-credit and special study. Housewives, veterans, alumni, retired businessmen, teachers and even high school students are likely to find at least one course or program attractive. Whether for academic stimulation, refresher study, coveted degrees, mental recreation or just to keep abreast of current thought, study opportunities are open in a wide variety of subjects.

undergraduate programs

Part-time Undergraduate Study

With interest in and need for higher education no longer confined to ages 18-21, a rapidly increasing number of community residents have sought opportunities for part-time undergraduate study. As a result, Stony Brook, during 1974-75, will be offering more courses and more opportunities for part-time non-matriculated undergraduate students than ever before. Professionals, housewives, businessmen, senior citizens, even new high school graduates or exceptionally well-qualified high school seniors — potential non-traditional students in a wide variety of categories — can now find opportunities to become part-time undergraduate students at Stony Brook. If a student likes, he or she can take just one course a semester, coming to the campus for a few hours a week to study as a non-matriculated special student. Or, a student may enroll for heavier part-time schedules up to eleven credits. Part-time students who academically qualify may later apply for matriculation and work formally toward an undergraduate degree. In any case, part-time undergraduate students during 1974-75 will be able to choose from more than 200 courses — enrolling for beginning or advanced study in languages, art, music, literature, psychology, the natural sciences, economics, history and many other fields. Many of these courses are scheduled conveniently between 9:30 a.m. and 2:15 p.m. And, for part-time undergraduate study, community residents will be able to register by mail.

Further information about these part-time undergraduate programs may be obtained by contacting the Admissions Office at (516) 246-5126

Summer Study

A writer's workshop, a course on New Views of American History, a trip to Poland, a course on Identity, tennis instruction and intensive introductory language instruction are a few of the more than 100 formal summer session courses in 25 subject areas the University offered in Summer Session 1974. The sessions are open to persons who have completed high school but who have not attended college, to students matriculated at Stony Brook and other colleges, and to qualified high school students. (See details in Summer Session section under Graduate Programs above.)

For more information, contact the Summer Sessions Office at (516) 246-6559.

Full-Time Undergraduate Study

Arts and Sciences students pursuing an undergraduate degree at the State University at Stony Brook may select a major in anthropology, applied mathematics and statistics, art, biochemistry, biological sciences, chemistry, computer sciences, earth and space sciences, economics, English, French, German, Italian, history, mathematics, music, philosophy, physics, political science, psychology, Russian, sociology, Spanish or theatre. Programs leading to provisional certification in elementary or secondary education are also available.

A new program, Youth and Community Studies, is the tenth in a series of interdisciplinary and interdepartmental majors. YCS was created to prepare students for a wide range of human service occupations such as family and youth services, corrections work, social work, counseling, recreational and cultural services, government administration, student personnel services, and urban development. The new program began in September, 1973.

For more information contact the Admissions Office at (516) 246-5126.

The College of Engineering grants the B.S. and B.E. degrees in five major areas: Applied Mathematics and Statistics; Computer Science; Electrical Sciences; Materials Science and Mechanics. The engineering curriculum at Stony Brook prepares students for careers in such contemporary areas as ocean, urban, computer or biomedical engineering and provides the foundation for later specialization in medicine, law, industry or government service.

For more information contact the College of Engineering at (516) 246-6750.

The Health Sciences Center offer the B.S. degree in five specializations within the *School of Allied Health Professions*: Community and School Health Education; Medical Technology; Cardiopulmonary Technology/Respiratory Therapy; Physical Therapy and Health Sciences Technology. A two year certificate program for Physician Associates and a program in intensified teacher training given by the Division of Community and Mental Health Programs are also available to students with a minimum of 57 university credits or the equivalent in experience for Physician Associates.

For more information contact the School of Allied Health Professions at (516) 444-2253.

The *School of Nursing* and the *School of Social Welfare* each offer the B.S. degree.

For more information contact the School of Nursing at (516) 444-2476. For information about study in Social Welfare call (516) 444-2143.

special programs

Mid-Career Counseling

A Mid-Career Counseling and Information Program begins operation in September 1974. Initially it will be associated with the course, "The Middle Aged Worker in the Economy," taught by Dr. Alan D. Entine, Assistant Academic Vice President at Stony Brook. The course is a graduate level economics course made available through the Center for Continuing Education at Stony Brook.

Vocational and career counseling for individuals in middle years will form a significant part of the non-credit portion of the course. Individuals will meet with members of the course teaching staff to review personal histories and to receive information about educational programs and vocational opportunities which can lead to second careers. The focus of these interviews is to provide assistance to those experiencing job obsolescence, work dissatisfaction, early retirement, or difficulties returning to the work force after an absence of several years. While the program will not find jobs for individuals, it will explore realistic alternatives which are likely to lead to new career patterns in the middle years.

For more information, contact Dr. Entine at (516) 246-3304

Upward Bound

Each summer, approximately 80 low-income underachieving high school students from Suffolk County participate in a six-week pre-college education program at the University. These high-potential students are identified by their high school teachers or through testing programs. When they arrive at Stony Brook, the teenagers begin intensive courses in reading and math taught by undergraduate teacher/counselors under the supervision of master teachers from the University and area high schools.

For more information, contact Upward Bound at (516) 246-6814.

Coe Fellowship Program for American Studies

The William Robertson Coe Fellowship Program for outstanding social studies teachers is a six week course offered each summer by the University. The Summer Institute is held at the Planting Fields Arboretum located in Oyster Bay. Students who complete the requirements earn six graduate credits. Room, board, free tuition, and a \$200 stipend are awarded to those accepted to the program. In recent years, the program has covered such topics as foreign policy, civil rights, balance of payments, and ecology.

For information, contact Professor Martin Travis, (516) 246-6550.

Red Cross Course On Swimming For Handicapped

Each year, Stony Brook offers a special 14-week course on Red Cross techniques for teaching swimming to handicapped children. Community residents and Stony Brook students who complete the course receive Red Cross certificates designating them as qualified Swimming Instructors of the Handicapped. In addition to training instructors, the course gives retarded and physically handicapped children from many Long Island communities a chance to take part in a swimming program particularly suited to their special needs.

Further information about this course may be obtained by contacting Mr. Henry von Mechow, Associate Professor of Physical Education at Stony Brook, at (516) 246-7637.

For High School Students

The Center for Continuing Education (C.E.D.) offers a special summer program for high school seniors that can help them build credits toward an eventual undergraduate degree. Courses in art, anthropology, biology, English, languages, linguistics, mathematics, philosophy, physics, political science, psychology, sociology and theatre arts are usually offered. Students must have their guidance counselor's written permission to enroll. Another C.E.D. option, its new non-credit study program, is also open to qualified high school students, who, if accepted on the recommendation of their guidance counselors, work alongside mature students to earn advanced credits.

Further information about these Continuing Education programs may be obtained by contacting the C.E.D. office at: (516) 246-5936.

An undergraduate study program for highly qualified Suffolk County high school students was begun at Stony Brook in 1971. Seniors of superior academic standing, recommended to the University by their high schools, may apply to enroll on a part-time, non-matriculated basis and take courses in such subjects as calculus, physics, education, anthropology, psychology, physical education, English, history, music, biology, economics, sociology, Russian, German and French. The students receive college credit for successfully completed courses and their high schools determine the equivalent high school academic value for their students' efforts. Due to space limitations, applications should be filed three months prior to the January semester and six months prior to the September semester. Admission is on a competitive and limited basis.

Further information about this program may be obtained by contacting the Admissions Office at (516) 246-5126.

Stony Brook's College of Engineering began offering Long Island high school seniors a special Saturday program, "Man, Technology and Society," this year. A college-level course designed to provide college-bound seniors with a view of the main technological problems facing society, the program will consider such contemporary issues as the energy crisis, solid waste disposal, and mass transportation. The tuition-free program carries three college credits; nominations should be submitted by high school principals.

Further information about this program may be obtained by contacting the College of Engineering at: (516) 246-6750.

graduate programs

Part-Time Graduate Study

A growing number of community residents have recently expressed interest in *part-time graduate study* options. To meet this demand, Stony Brook has scheduled over 65 courses, mainly held during early evening hours, in all the traditional academic disciplines, plus special subjects such as environmental studies, contemporary issues, the American experience and public policy. Part-time graduate study options are discussed under the following six headings.

Terminal M.A. Programs

In addition to its full-time masters degree programs, the Graduate School offers a special Master of Arts degree option for community residents who require a second professional degree but who probably will not pursue doctoral study. These optional programs offer evening classes for those who wish to work toward the M.A. degree in the following major fields: biology, chemistry, English, French, history, Hispanic languages and literature, philosophy, sociology, mathematics, physics, and economics.

Most of these special programs also serve the needs of secondary school and junior college teachers who require an advanced degree as part of their commitment to teaching.

Further information about these programs may be obtained by contacting the Graduate School at (516) 246-5945.

Master of Arts in Liberal Studies

The evening program Center for Continuing Education (C.E.D.) offers the terminal Master of Arts in Liberal Studies degree to working adults. The program allows students to pursue graduate study on a part-time basis in each of three broad subject areas: Natural Sciences, Social and Behavioral Sciences, and Arts and Humanities.

Further information about this program is available from the Center for Continuing Education at (516) 246-5936.

Off-Campus Masters Program in Applied Math

Community residents with a baccalaureate degree in mathematics, science, or engineering can enroll in a postgraduate extension program in applied mathematics at the following Nassau and Suffolk locations:

Brookhaven National Laboratory, Yaphank
Grumman Aerospace Corp., Bethpage
State University College at Old Westbury
Great Neck Adult Education Center, Great Neck (starting spring 1975)

The M.S. degree is awarded to students who complete a minimum of eight courses in an approved program with an average of B or better. No thesis is required.

For information and applications, contact Professor Daniel Dicker, Department of Applied Mathematics and Statistics, (516) 246-5967.

Continuing Education in the Health Sciences

In addition to their full-time degree programs, the *School of Dental Medicine* and the *School of Social Welfare* also offer continuing education evening programs for those who already work in those fields. Education for the Dental Practitioner (EDP) offers metropolitan area dentists a post-graduate education program jointly sponsored by the School, several Long Island hospitals and the Tenth and Eleventh District Dental Societies.

For more information call (516) 444-2990.

Through the Center for Continuing Education, the *School of Social Welfare* offers a part-time graduate program and a continuing education evening program specifically intended for those who are currently working in social welfare or related fields.

For more information call (516) 444-2143.

Summer Session

Every year Stony Brook offers formal summer sessions of credit courses in many graduate as well as undergraduate fields including economics, languages, history and engineering. Stony Brook's credit summer offerings span two six-week periods. Summer Session I 1975 begins Tuesday, May 20 with registration scheduled the day before. Registration for Summer Session II 1975 will be held Monday, July 7, with classes beginning on Tuesday. All regularly scheduled summer classes meet during daytime hours except courses sponsored by the Center for Continuing Education (C.E.D.) whose courses meet two evenings a week.

For more information contact the Summer Sessions Office at (516) 246-6559.

Full-Time Graduate Study

Graduate study is offered in 23 of Stony Brook's 28 academic departments: the Ph.D. is offered through 19 departments, the M.A. through 14, and the M.S. through seven. There are interdisciplinary master's programs as well as 11 M.A. programs specifically designed for working adults who do not intend to pursue doctoral study. The College of Engineering offers graduate programs leading to the M.S. and Ph.D. in five academic departments: Electrical Sciences, Materials, Science; Mechanics; Computer Science; and Applied Mathematics and Statistics.

The Department of Electrical Sciences in the College of Engineering began a new program in September 1973 intended for secondary school and community college educators who have backgrounds in science, social studies or mathematics. The program offers an interdisciplinary approach to socio-technological problems.

For more information contact the Graduate School at (516) 246-5945.

Five schools of the University's Health Sciences Center offer a broad range of full time graduate study in the health professions. The *School of Allied Health Professions* awards the masters degree in Health Sciences Administration; the *School of Medicine* grants the M.D.; the M.S.W. is offered by the *School of Social Welfare*; the *School of Dental Medicine* awards the D.D.S.; the *School of Basic Health Sciences* offers the Ph.D. in Anatomical Sciences, Pathology, Microbiology, Physiology/Biophysics and Pharmacology; and a seventh school, the *School of Podiatric Medicine* will award the Doctor of Podiatric Medicine to a charter class of students to be accepted for the fall, 1975 term.

For more information contact the Health Sciences Center's Office of Student Services at (516) 444-2143.

non-credit programs

Informal Studies Program For Adults

During the summer of 1973, C.E.D. began a program of non-credit courses for adults in the community who desire an unstructured education program free of evaluation and grading. All adults and a limited number of qualified high school students are eligible to enroll, and in most cases no entrance requirements or previous academic work is necessary.

These non-credit courses pay particular attention to individual learning tastes and needs, with classes given in such areas as literature, music, art, ecology, psychology, pop culture, cultural anthropology, film, audio-visual technology, tennis, swimming and dance. The program will continue through the regular academic year as well as summer session.

For further information contact the Informal Studies Office at (516) 246-5939.

Mini-Courses

The Stony Brook Union, our center for campus activities at Stony Brook, offers a variety of informal non-credit learning experiences to the community. Relaxed and relaxing, the Union's Mini-Course program, begun last spring, includes courses in practical skills and crafts not usually found in formal academic programs. Mini-courses in improvisational dance, basic flight instruction, dog grooming, cake decorating, gourmet cooking and first aid are given in addition to more specialized subjects such as advertising graphic design, photography, gemology, silversmithing, and needlepoint.

Mini-courses are given in two-hour, once-a-week classes in three to twelve week sessions during the fall, spring, and summer semesters.

Further information about Stony Brook Union Courses may be obtained by contacting the Union at: (516) 246-7107.

Free Lectures

On a space available basis, Long Island residents are welcome to attend lectures and seminars through a program designed to bring the University's greatest resource, its outstanding faculty, into informal and informative contact with the community. Available to the public at no charge, lectures focus on different contemporary and social issues and varied academic subjects during late afternoon and evening hours each semester. In the past, such distinguished Stony Brook faculty members as Dr. C. N. Yang, Nobel physicist, Distinguished Professor of Biology Dr. Bentley Glass and Richard Dyer-Bennet, our resident expert on minstrelsy have participated.

For more information contact the Center for Continuing Education at (516) 246-5936.

Short Term Programs

Occasionally, the University offers special short term programs such as anxiety and stop-smoking clinics, as well as one-day conferences and special events for University and community residents. Recent conferences and short term institutes sponsored by the academic departments in conjunction with the Center for Continuing Education (C.E.D.) have included "The China Forum," and a one-day conference on "The Role of Dissent in America."

For further information contact C.E.D. at (516) 246-5936.

Summer Workshops

Entire families can make plans to study at Stony Brook during the summer because the Stony Brook Union summer program offers classes for children as well as adults. Intensive Pottery (Beginning and Advanced), Navajo Weaving, Bicycle Repair, Hatha Yoga, Middle Eastern Dancing, and Filmmaking and Videotape are typical of the workshops offered; both casual and serious students are welcome.

Summer workshops for children include Pottery Plus for 4-7 year olds and 7-12 year olds, Weaving for 8-12 year olds, and Intensive Creative Crafts for 7-12 year olds.

For further information contact the Union at (516) 246-7107.

Campus News



OVER 4000 RECEIVE DEGREES AT 1974 COMMENCEMENT

More than 4000 undergraduate and graduate degrees were conferred in more than 30 separate commencement ceremonies at the University in May and June. For the fourth consecutive year, commencement consisted of small personalized exercises and receptions hosted by academic departments rather than a single campus-wide ceremony. Among the graduates were 18 new physicians who were the first Stony Brook students to be awarded M.D. degrees. The recipient of the Ward Melville Valedictory Award was graduating senior Janet E. Bernard of Roslyn, N.Y., who accumulated a perfect 4.0 grade point average, the first student in the University's history to do so.

REGIONAL TEACHING CENTER ESTABLISHED ON CAMPUS

A regional Science and Mathematics Teaching Center has been started at Stony Brook to assist Long Island elementary and secondary math and science teachers in curriculum planning and the development of special resource materials. The Center is the result of a team effort by the physics, chemistry, biology, earth and space sciences and mathematics departments at Stony Brook working closely with the Suffolk County Science Teachers Association and local school officials.

CAMPUS HOSTS BOY SCOUTS AND HANDICAPPED YOUTH

In May, the second annual Special Olympics, a sports occasion for exceptional children in Suffolk County, drew more than 1000 handicapped children to the Stony Brook campus. Sponsored by Special Olympia, Inc., the event included a parade of children and competitions in track and field, swimming, gymnastics, bowling, table tennis and a physical fitness test. More than 2000 high school and parent volunteers served as "friends for a day" to make the day possible.

In June, the campus was host to 15,000 Boy Scouts who held their Scout-O-Rama '74, the largest scouting event of its kind ever held in Suffolk County, at the University. The Cubs, Scouts and Explorers prepared many displays and demonstrations, ranging from soap, rope and jewelry making, to rock climbing, printing, fishing, archery and ecology.

PRESIDENT TOLL APPOINTED TO NEW FIVE-YEAR TERM

President John S. Toll was appointed to a new five-year term as campus president by the Board of Trustees of the State University. First inaugurated as Stony Brook president in 1965, Dr. Toll has guided the growth of the campus from 1800 to 15,000 students.

In accepting reappointment, Dr. Toll said, "I dedicate myself in every way I can to make Stony Brook one of the best public universities in the nation, particularly attuned to the needs of students and of the State."


TWO SUMMER SESSIONS HELD MAY - AUGUST

This is the first year that two Summer Sessions were held at Stony Brook. The first six-week session was in May and June; the second, in July and August. Over 120 courses, 25% more than a year ago, were offered in undergraduate, graduate, continuing education and health sciences categories.

Stony Brook Review

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