

# CENTER- INGS



Vol. 2, No. 7

Health Sciences Center, State University of New York, Stony Brook

May/June 1974

## First New Doctors

# School of Medicine's Pioneer Class Graduates

The first class of students ever to receive a medical education on Long Island were awarded their M.D. degrees on Sunday, May 19 at the State University of New York at Stony Brook. The degree was conferred upon 18 men and women who three years ago became the pioneer class with the opening of the School of Medicine in the Health Sciences Center.

Commencement exercises

began at two p.m. in Room 100 of the Lecture Center. Dr. Marvin Kushner, Dean of the School of Medicine, welcomed guests and gave an introductory talk. The commencement speaker was Dr. Lewis Thomas, President of Memorial Sloan-Kettering Cancer Center and Professor of Pathology and Medicine at Cornell. Graduates and guests were also greeted by Dr. John Toll, President of the

University, and Dr. J. Howard Oaks, acting Vice-President for the Health Sciences Center.

After the students received their degree of Doctor of Medicine and took the Physician's Oath, Dr. Edmund D. Pellegrino, the original designer of the Health Sciences Center, who is now Chancellor of the University of Tennessee Medical Units, closed the program with a talk on "Retrospect and Prospect." A reception for the graduates and guests followed the ceremony.

### Travel

For the students, being the first medical school class has had its disadvantages along with its good side. The graduates' major complaint was the time spent on

the Long Island Expressway—a whopping class total of a quarter of a million miles.

Because the medical school

**DR. JOHN TOLL,  
PRESIDENT OF S.U.N.Y.  
AT STONY BROOK**

"The creation of a Medical School... represents the University commitment to be in the service of human benefit..."

was launched without having a University Hospital, medical students received all their

clinical training at various hospitals on Long Island, designated as clinical campuses, spanning an area from Queens to Yaphank, and adding up to a lot of time on the road.

On the plus side, an advantage of being a "first," according to Haidee Riegel, was "not being lost in a crowd; small classes meant a lot of personal contact with a lot of people and being well known. For me, I preferred this.

"Another advantage," she went on, "was that we dealt with reality. We were with the patients in county and community hospitals—which are different from University hospitals. We met the rougher,

(Continued on page 8)



photos by Gene McDermott

### DR. LEWIS THOMAS, COMMENCEMENT SPEAKER

"We can not go on with today's attitude that death is an outrage. It is a normal part of living... The notion that dying means failure, unsuccess, or loss places a fundamental strain on our health care system... Anxiety about death is so severe, it creates the notion that everyday living is lethal. Today a cold, tomorrow the grave... To hear us talk, you'd think we'd never make it through life, we're such fragile cells... Yet the human physical design is magnificent—the thing works. Most of us have a clear run through life without the constant fear of disease."



## HSC Commencement Set for June 23

The Health Sciences Center Third Annual Commencement Exercises will be held on Sunday, June 23rd at 1:00 P.M. in the North Campus Gymnasium. A total of 306 graduate and undergraduate degrees will be conferred by the Schools of Allied Health Professions, Nursing, and Social Welfare.

The general ceremony will include a welcome, commencement address, greetings from President John Toll, University President, and Dr. J. Howard Oaks, Acting Vice President for the Health Sciences, and a presentation of the graduates by the Deans. The latter will include a presentation of the eighteen graduates of the School of Medicine who received their degrees on May 19th, given by Dr. Marvin Kushner, Dean. Some of the new M.D.'s will be present.

Following the general commencement, each of the Schools will then have an individual ceremony for their own graduates.

The graduates, faculty and guests from

the School of Allied Health Professions will remain in the gym for the special program for their graduates, who this year include: Seventeen from the Division of Community/Mental Health; Fourteen from the Medical Technology Program; Twenty-six Physician Associates; Fifteen from Physical Therapy; Twelve from the Cardiopulmonary Technology/Respiratory Therapy Program; and sixteen who are receiving graduate degrees from the Health Services Administration Program. After the formal program, graduates, faculty and guests will proceed to Building "F" on the South Campus for refreshments and a social, timed at about 4:00 P.M.

### School of Nursing

The School of Nursing will hold its individual ceremonies at the Ballroom of the Student Union. Refreshments will be served immediately for the 136 graduates, faculty and guests.

### School of Social Welfare

The School of Social Welfare will have

the ceremony honoring its twenty-eight undergraduate and forty-three graduate students in the Lecture Hall, Room 100. Following this program, graduates, faculty and guests will go to Building "G" on the South Campus for a social and refreshments.

### Graduate Representatives

A graduate from each of the Schools has been selected for a major role in the general graduation proceedings. Each has been chosen for having given outstanding service to their School and to the community.

Herdy Micou, receiving an M.S.W. from the School of Social Welfare, has been active in working for the needs of black students through the Third World Organization. She has also worked for students at the Mental Health Clinic at the University Health Services.

Calvin Johnson, graduating with high academic honors from the Cardiopulmonary Technology/Respiratory Therapy Program of the School of

Allied Health Professions, was chosen among many students around the country for a highly competitive position with the National Health Council. He is still serving this agency as a member of the Staff Advisory Committee for its Manpower Distribution Council.

Rochelle Goldstein was chosen unanimously by her fellow students to represent the School of Nursing on the commencement program. In addition to being one of the top nursing students academically, she has been outstanding in field work and community service in the area of maternal and child health.

### All Invited

Printed invitations to the 1:00 P.M. ceremony will be sent to graduates, faculty and administration. However, since there is adequate space in the Gym, the Commencement Committee is extending an informal invitation to all staff members of the Health Sciences Center. All are welcomed to attend the graduation ceremonies.

Dr. V.T. Maddaiah, Associate Professor of Pediatrics, and on the staff of the Nassau County Medical Center has been awarded a \$10,000 grant by the research committee of the Nassau Heart Association.

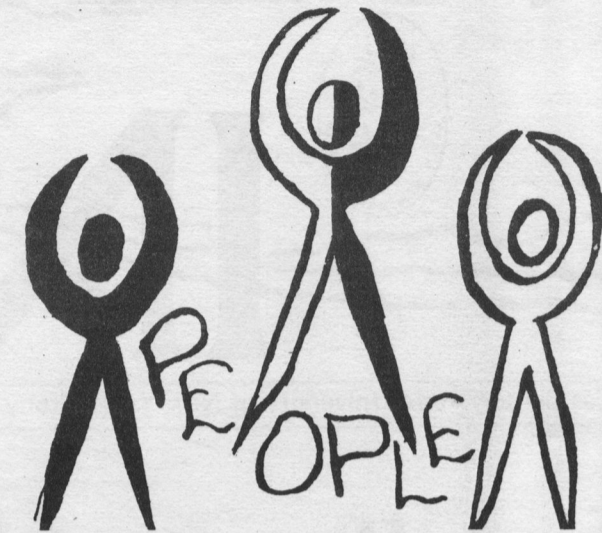
Professors Shirley Jones, Augusta Kappner and Elinor Polansky have been granted certificates in Advanced Social Welfare by Columbia University School of Social Work.

Mary Jean McAllister, a student graduating this June from the Division of Community-Mental Health in the School of Allied Health Professions was the coordinator for a special May program to aid women in the North Brookhaven Community. She worked on coordinating a clinic sponsored by the North Brookhaven Unit of the American Cancer Society to teach women how to do self-breast examinations.

Jules Elias, Assistant Professor of Pathology, presented a paper at the annual seminar of the Pennsylvania Histotechnology Society entitled "Immunofluorescence - A New Tool for the Histologist."

Dr. Harvey A. Farberman, Chairman of the Theory and Analysis Concentration in the School of Social Welfare, has recently published an article entitled "The University and Community Mental Health: A New Trend?" which appeared in the Community Mental Health Journal, Vol. 9 (3) 1973. In April, Dr. Farberman chaired the session on Symbolic Interactionist Social Psychology at the annual conference of the Midwest Sociological Society in Omaha, Nebraska and in May he presented a paper in Windsor, Ontario entitled "Methodology and Craftsmanship in the Criticism of Sociological Perspectives."

Reginald Jackson, Assistant Media Producer/Director, is one of the black photographers whose work has been chosen to appear in the Black Photographers Annual Volume II. Some of his photographs will be on display at the Studio Museum in Harlem through June 23.



Mrs. Irene Elias, secretary in the Division of Health Services Administration, School of Allied Health Professions, and a student at Suffolk Community College, recently was recognized for outstanding academic performance. As a result of her academic success, Mrs. Elias has earned membership in Pi Alpha Sigma, the honor society of Suffolk Community College. Mrs. Elias is pursuing her education on a part-time basis while working on the secretarial staff in the School of Allied Health Professions.

Dr. Carl Pochedly, Director of Pediatric Hematology at the Nassau County Medical Center and Associate Professor of Pediatrics at Stony Brook authored an article in the April issue of Medical Counterpoint entitled "How Can C.N.S. Lukemia Be Prevented?"

Dr. Harry S. Soroff, Chairman of the Department of Surgery, and William C. Birtwell, associate professor, are co-contributors to a new book entitled "The Myocardium: Failure and Infarction." Their chapter is entitled "Assisted Circulation: A Progress Report."

Antol Herskovitz, Director of Media Services, has been elected Chairman of the New York Chapter of the Biological Photographic Association.

Eileen Bateman, secretary to Audrey Harris, Associate for Continuing Professional Education, was married to James Calcanes in April.

Linda Siebenakas, secretary to Jim Conklin of General Services will become the bride of Roger Sheldon St. Hilare on June 9th. Linda and Roger will be residing in Yuma, Arizona upon returning from their honeymoon.

We all wish Eileen and Linda much happiness in their new state in life.

### New School for HSC

Plans have been completed for the addition of a new School at the Health Sciences Center - a School of Podiatric Medicine.

Dr. Leonard A. Levy, Dean and Vice-President of the California College of Podiatric Medicine in San Francisco is expected to be named Dean of the School of Podiatric Medicine in the near future.

"The School will be designed to educate and train a health professional concerned with the prevention, diagnosis, and treatment of problems affecting the human foot and its contiguous structures," said Dr. Levy, explaining: "This commitment is in recognition of the relationship between diseases and disorders of the entire human body to foot problems."

It is anticipated that a first class of approximately 24 students will be accepted for admission to this School in the fall of 1975.

## HSC Media Experts Plan August Conference

The HSC will be well represented when the Biological New York Hilton from August Photographic Association holds 26th to August 29th.

Antol Herskovitz, Health Sciences Center Director of Media Services, is the General Chairman for the meeting which is expected to draw over 300 biomedical photographers, scientists and engineers from around the country.

Eugene McDermott, Sr., Medical Photographer in the Division of Media Services, is the Salon Chairman, arranging for the photo exhibits which will be displayed in the photographic Annual Salon which is a major attraction of the yearly convention. Motion picture and video tape exhibits will also be presented.

The 1974 meeting is being planned around the theme,

"New Dimensions in Biophotography."

"The meeting will be an exciting experience and will include much that each of us can take back to our own institution," Professor Herskovitz commented, adding:

"Since so many central offices of photo manufacturers are in New York City, we are able to have a large Commercial Exhibit this year. All attending will have an opportunity to examine new products and processes."

The Program Committee is now organizing teaching forums for the four-day program. Some of these are:

\* Photomicrograph & Photomacrography - Including the newest

microscopy discipline of differential interference-contrast;

\* Ophthalmic Photography - entitled "Ophthalmic Photography for the Non-Ophthalmic Photographer," the emphasis will be on photography of the external eye including current results with color infrared film;

\* Photography in Animal & Biological Sciences - a distinguished panel of experts will teach the latest techniques, equipment and film in use in veterinary medicine, entomology, botany and other natural sciences.

### HSC Thanked

The Suffolk Heart Association, Inc. sent the following note to the Health Sciences Center:

"To all of the students who participated in the screening on March 31: Many thanks for your help in conducting our recent coronary risk factor screening. Without the help of dedicated volunteers like you, the Heart Association could not bring lifesaving programs like this screening to the community. We are really most appreciative."

Sincerely,

Gerald F. Ryan, M.D.  
Coronary Risk Screening Committee

### New Affiliation for NCMC

Nassau County Medical Center widened its allied health affiliations this spring to include third and fourth year undergraduate students from NEW YORK STATE COLLEGE OF HUMAN ECOLOGY, CORNELL UNIVERSITY.

Approximately twenty students are serving in over a dozen different paramedical and social service experience areas for fourteen weeks, three and a half days a week, at NCMC, one of the Health Sciences Center's clinical campuses.

Bert Jablon, co-ordinator of professional educational services, explained that Nassau County Medical Center is one of the few major hospitals in the country featuring a three-part Environmental Services Department which focuses on

the physical, biological and social needs of the hospital.

He added that work stations readied for these students include the following: a hospital child development center; a county health department satellite center; a walk-in, comprehensive community-mental health center; an occupational therapy unit; a neighborhood health center serving an underprivileged

### Community Health Study

Two HSC physicians will direct a \$20,000 study of Shelter Island's health care needs beginning next month. They are Dr. Steven Jonas, Associate Professor of Community Medicine, and Dr. Campbell

suburban community; a hospital nutrition department; several community voluntary agencies dealing with a wide variety of handicapped situations; and an unwed mothers' academic-vocational center linked with a hospital obstetrics/gynecology department.

The two institutions took almost seven months to plan and coordinate this upstate-downstate affiliation agreement.

LaMont, Chairman of the Department of Family Medicine.

This study marks the first time the School of Medicine has gone into a local community to help it solve its health-care problems.

Center-ings is published 10 times yearly by the Health Sciences Center of the State University of New York at Stony Brook for all persons associated with the Health Sciences Center.

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# Noted Lung Expert Joins Medical School

A physician-researcher recognized as an international authority on the function and diseases of the lung, has been appointed to the faculty of the School of Medicine at the State University of New York at Stony Brook.

Dr. Edward Bergofsky, widely acclaimed for his research on the relationship between lung problems and heart failure, has been named Professor of Medicine at Long Island's first and only medical school and head of the Pulmonary Disease Division at Northport Veteran's Hospital. He is noted for his discovery of a cell which releases noxious agents when the lungs do not function well and oxygen levels go down. Action of this cell causes blood vessels to stiffen, placing a severe burden on the heart which then has to force blood through these stiffened vessels. Currently his research is concentrated on ways of changing the effect of this cell.

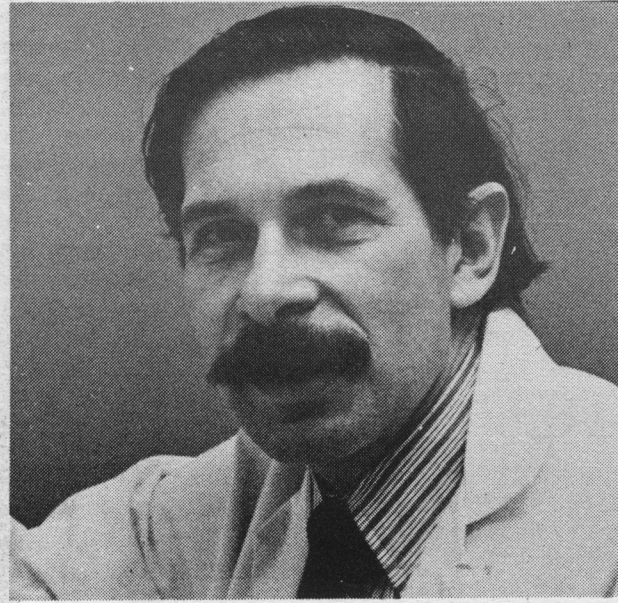
### Teaching/Research

The medical educator, formerly a Professor of Physiology at New York University, will participate in the major teaching of basic lung physiology and diseases in both the pre-clinical and clinical phases of training for medical students and other Health Sciences Center students. In addition, he will work with students on a research program dealing with emphysema and bronchitis, and also care for patients at the Northport Veterans Hospital which serves as a clinical campus for the Health Sciences Center.

"Social Security figures show that one million men between 40 and 65 are disabled from emphysema and bronchitis. If you add women and people over 65, it is obvious that these diseases are a major problem," Dr. Bergofsky stated, in explaining the importance of this research.

The research program will be based on Dr. Bergofsky's work indicating that the mucous membranes of the lungs of emphysema and bronchitis victims have been injured. Patients will breathe in artificial particles with radio-active tags that can be photographed to determine if the tiny hairs in the lungs are functioning properly, waving the mucous up to the throat for expulsion.

"These photos will show us if the lung is doing its job of carrying mucous out and getting rid of external particles breathed in," he explained.



Dr. Edward Bergofsky

photos by Toni Bosco

Dr. Bergofsky became interested in medicine after working in the medical department of the Navy as a Seaman First Class when he was in his late teens. He received his M.D. from the University of Maryland Medical School and served as an intern and resident at Mount Sinai Hospital in New York City.

Because of his interest and work in pulmonary diseases, Dr. Bergofsky received extended fellowships for research and teaching at the Cardio-Respiratory Laboratory at Columbia Presbyterian Medical Center. A major accomplishment there was his discovery of why people with scoliosis (hunch back) so often develop heart trouble.

"This patient population is troubled to begin with because of their cosmetic defect. To be also faced with heart and lung failure seemed an unfair shake out of life," Dr. Bergofsky commented, explaining his particular concern with this medical problem. The physician-researcher discovered that people with hunch backs develop a rigidity of the rib cage which makes breathing an enormous amount of work. Thus, they unconsciously underbreathe, making stale air settle in the lungs, a condition resulting in subsequent lung and heart disorders. Dr. Bergofsky developed mechanical methods of forcing lung inflation, thus helping scoliosis sufferers to breathe properly and prevent lung and heart failure.

### Author

The author of some 50 journal articles, Dr. Bergofsky is also on the editorial committee of the Journal of Clinical Investigation. He has also recently been elected to the Board of Directors of the American Lung Association of Nassau-Suffolk Counties.

## Scientist-Author Dispels Myths on Race and IQ

When the popular press picks up an unproved hypothesis that the black race has a collectively lower IQ than the white race, we ought to insist on a front page rebuttal.

This was the strong sentiment of Dr. Richard Goldsby, Professor of Chemistry and Microbiology at the University of Maryland, speaking on the Stony Brook campus on April 25th on the "Biology of Race and Races."

The eminent black scientist, author of *Race and Races*, published by MacMillan in 1971, underscored, "There's no scientific reason for saying there's a difference when you're talking race and IQ."

### Humor

Displaying a fun sense of humor, Dr. Goldsby made the points that races exist

— as a population term — and that it is unnecessary to deny biological differences such as those found in blood samples and skin color.

"When you talk about ear wax, or testing for sickle cell or Tay-sachs, you don't raise too many hackles. The fur flies when you talk about race and IQ," he stated.

In a carefully analyzed sequence, Dr. Goldsby pointed out that studies done on this topic had been all "soft data" and non-conclusive. He closed his talk with a very provocative question, "Should you use tax dollars for this subject? Where in the priority scheme do you put race — IQ studies?"

The Seminar was sponsored by the Department of Microbiology of the School of Basic Health Sciences.



Dr. Richard Goldsby, left, and Dr. Joseph Kates chat informally with participants before the lecture. Dr. Kates is chairman of the Department of Microbiology, sponsor of the lecture.

## HSC Faculty at Miami Conference

Three Health Sciences Center faculty members presented papers at the twelfth annual convention for the National Society for Performance and Instruction held in Miami in April.

Dr. Arlene Barro, educational specialist for the Office of the Dean in the School of Medicine, spoke on "SELF-ASSESSMENT OF LECTURING BEHAVIOR," describing a method that she developed to help the Medical School faculty improve their lecturing techniques. Professors' lectures are videotaped and later viewed and self-assessed by the professor with the educational specialist available for subsequent discussion. The project is sponsored by the National Fund for Medical Education, with Antol Herskovitz, Director of Media Services, as project director.

Dr. Kay Stolurow, Assistant Professor in the Office of Research and Training in the School of Allied Health Professions, gave a paper on "Individualized Instruction in the Allied Health Professions, telling of how this school gets individualized math skill profiles of its students within 24 hours through the use of a criterion-referenced multiple choice test sheet developed.

Steven Turnipseed, Assistant Professor in the Physicians' Associates program at the School of Allied Health Professions spoke on "Patient Management Problems as a tool in training Physician Assistants, describing a method in which real life situations are simulated so that students are given the opportunity to make choices about diagnosis and treatment as they would in practice in a real medical care setting.

All three participants agree that the conference had a strong cross-fertilization value, since those attending were people interested in instruction from business, industry, labor, media, and education, as well as the health professions.

## Conference at HSC Draws 150



Most of the histotechnologists attending elected to have lunch outdoors on the sunny Saturday.

Over 150 Histotechnologists from the near and far corners of New York State and from as far as Florida, gathered on the South Campus in early May to hear about and see the latest developments in their field. The Health Sciences Center was the setting for the second annual meeting and seminar of the NEW YORK STATE HISTOTECHNOLOGICAL SOCIETY, INC. The program was coordinated and hosted by Jules Elias, Assistant Professor of Pathology here and Vice President of the Society.

### Exhibits by 26 Companies

The two-day meeting gave to participants — scientists and laboratory workers specializing in cells and tissues — the opportunity to attend lectures and workshops on latest developments in their field. There were also exhibits by 26 companies which make technical, optical, and other scientific instruments needed in the laboratories by Histotechnologists.



Participants showed great interest in the 26 exhibits.



Professor Jules Elias addresses the audience.

## June 12 Workshop at Sunwood

# Symposium to Deal with Change in Dental Offices

A symposium-workshop for dental practitioners in the Nassau-Suffolk area has been planned to deal with a modern reality — the changing character of dental practice.

The all day program will be held on June 12, with registration beginning at 8:30 p.m., at the Sunwood estate in Old Field. It is being sponsored cooperatively by the School of Dental Medicine at the State University of New York at Stony Brook, the 10th and 11th District Dental Societies and the Nassau-Suffolk Regional Medical Plan.

Titled "Management of the Dental Health Team," the symposium seeks to look at the problems and realities facing the dental profession, which has decidedly changed from the once familiar one-practitioner, one-secretary office. A dental office today is in effect a small organization with three, four or five people giving auxiliary help to the dentist.

This growth in partnership has initiated problems new to a dental office, such as how to deal with interpersonal relationships; how to make decisions when these affect

several people; how to deal with conflict; and what kind of "hierarchy" to set up when you have receptionists, secretaries, hygienists, and assistants in the same office.

"The kind of care that comes out of a modern dental office is related to the quality of the organization. If you get people to function better together, then the end result is more and better care for people," said Dr. Richard Adelson, Assistant Dean for Continuing Education at the Dental School and coordinator of the June 12 program, emphasizing:

"The workshop is open to dentists and their entire staffs. We want the whole office to come."

### Goals

The planners have several goals in mind. They hope participants will identify their problems, talk about what needs have surfaced in their own offices, and offer suggestions on what direction future seminars should take. They also hope the dental teams will learn about specific techniques which will be helpful to them in the management of their offices.

The morning activities will include the presentation of

papers on the subjects of team delivery of health care and the general application of the behavioural sciences to organizations. In addition, a graduate student in Sociology, will do a pre-symposium survey of participants and of how these dental teams perceive their needs and problems. The results of his survey will be presented at the morning sessions. This part of the program will be followed by a box lunch.

In the afternoon session, participants will break into small focus groups concentrating on specific organization and human relations techniques, choosing groups of specific personal interest.

Dr. Adelson called the coming together of School, Dental Society, and Government to sponsor this symposium "a real partnership in health care," and predicted that this type of cooperative learning will lead to improved ambulatory care for dental patients.

Registration for the symposium must be made in advance by contacting the Education for Dental Practitioner's (EDP) Office at the School of Dental Medicine, phone 444-2990.

## Buy a Share in a Black Child's Future

Have you seen people walking around campus wearing this button?



People wearing these buttons are silently announcing that they believe in HBA and have bought a share in a black child's future. HBA/8-13 is Heightened Black Awareness, a program for black youngsters primarily in the 8 to 13 age group. It was originated by Reggie Jackson, Assistant Media Producer/Director, who also designed the

buttons, and Frances Brisbane, Associate Professor in the School of Social Welfare.

Every Saturday since last October, Reggie, six graduate students from the School of Social Welfare, and university people from Black Studies and various campus departments, go to the A.C.E. Community Center in Amityville to give a special educational experience to some 30 black youth and their parents.

They've seen films showing black people in medicine and health fields; the role of science in our lives; basic health care problems and special health problems like sickle cell trait and anemia. They've done collages, kept a notebook on current events, written poetry and taken field trips. Every activity is designed to heighten their awareness of their roots, culture, and the contribution of blacks to the world.

"The program got started because we are concerned about the mis-education our kids get. We want to do something on preventive mis-education," Reggie commented, adding:

"We get into things like vocabulary.

You think of Africa and what comes to mind? Tarzan, jungle, natives and wild animals. We're getting the group into a realistic frame of mind as it relates to Africa and our culture."

### Ghana

The first major goal of H.B.A. is ambitious — a 3-week trip to Ghana, in West Africa, for 10 youths and 3 adults.

"We are fund-raising now for this in order to support this part of our program which requires these kids to get an early experience of the realities of African life."

The H.B.A. program has become a field placement for six graduate students at the School of Social Welfare.

"They are learning how to integrate teaching and social work skills, theories and techniques into a viable service to the black community, in particular, and the total community in general," said Frances Brisbane, Associate Professor, School of Social Welfare. "We have a keen interest in the further development of this program. By 1975-76, we hope to place at least 20 graduate students in

H.B.A./8-13. One of our projections is to have these 20 students travel to Africa with the children in 1975. It would constitute the graduate students' Foreign On Sight Learning/Practice Experience for the summer."

H.B.A. was organized under Suffolk CORE, directed in this region by Irwin Quintyne.

HBA/8-13 has been rich in "person-resources," but now the need is hard cash. Those involved in the program are raising funds so that the youngsters can get to Ghana. Campus people who care may make a contribution of a dollar or more and receive a button. Money is also being raised by selling lunches and dinners, both on campus and in neighborhoods. Parents of the children are doing much of the work.

If you want to "buy a share," call Reggie Jackson at 4-2231, or Frances Brisbane at 4-2151.

## Questions Are Starting Point for Student Research

When toddlers wash their hands, do they really come out cleaner? Is there a pattern to the time of day that people die of certain diseases? Can you find violations of public health codes in restaurants by simple observation? Do dirty lunch tables harbor unhealthy bacteria?

These questions were the starting point for research projects done by students in the School of Allied Health Professions. These students are all required to do a research project, preferably interdisciplinary, as undergraduates in this school, explained Dr. Kay Stolorow, Assistant Professor and Assistant Director for Research in the school's Office of Research and

Teaching.

### Wet Vs. Wash

The student-research team working with the toddlers found out scientifically something mothers have always known by observation — that toddlers generally flunk hand washing. Their study focused on children of ages 4 and 5 in the campus day care center located in Stage XII. The students, Sonny Lieberman from the Division of Community/Mental Health and Linda Quinonez in the Mid-Tech program, were concerned with a number of questions; how clean are 5 year old hands? Do children wash their hands correctly and can you teach them to wash better? They did cultures of the children's hand imprints in agar

and took colony counts to determine the range and number of organisms present before they wash their hands and after they wash their hands.

"They discovered the kids hands were often just as dirty after washing," Dr. Stolorow commented.

After the researchers showed the children how to wash their hands, bacteria colony counts drastically subsided.

"A number of other good things came from research projects like this," Dr. Stolorow affirmed. "The students learned to deal with the director of the center; became aware of the necessity of getting permission slips from the parents; and the children learned about health workers in a non-threatening way."

### PA Project

Three students in the Physicians Associate's Program did a survey within the school to see what kinds of tasks people would likely accept from a P.A. Norman Matthews, James Denson and Kenneth Harbert discovered that in the case of undiagnosed abdominal pain, a person would choose to see a physician. They also found that in the VD category, women, particularly, said they would feel less embarrassed going to a physician than to a P.A.

Hazel Gibbons became interested in public health. After consulting with Dr. Stolorow, she got a copy of the public

health code as it applies to restaurants. She then did a survey of ten most frequented eating places in the University area to find out if there were violations. She found a number of lacks, such as, 1) no soap in the ladies room; 2) no sign in the restroom saying "wash hands"; 3) a floor being swept while people were eating; 4) employees with long hair not tied back, working near food.

"Whenever she brought a violation to the attention of the

manager she received courteous treatment and a promise to correct the problem," Dr. Stolorow commented.

And in Bldg. F.

Rita Hubert and Deborah Lauro did a research project very close to home — in fact, in their own Building F. They did cultures on the tables in the lunch room and found some incident of staph-germ, mandating a call for a more united effort at cleanliness by all who use these eating facilities.

## Announcement from Mary Winkels, Director of HSC Library

Now that we are approaching the end of the academic year, the staff of the Health Sciences Library would like to remind the faculty and staff of the Center of the availability, through its Reference Department, of assistance in preparing the materials and services which will be needed either for summer sessions or the fall term. Let us help you with compiling bibliographies, reading lists, or arranging for orientation (either for individuals, small groups, or classes).

The earlier we have the information regarding materials for reserve lists, some of which may require ordering and processing, the better we will be able to meet the needs of the faculty, staff and students. Please call Ellen Gartenfeld on 4-2530, Ruth Marcolina on 4-2530, or Ella Singer on 4-2513.

We would also appreciate information regarding publications with which persons in the Center are involved as author, editor, or contributor. You can help us keep better than current in this regard. Please call Antonija Prelec on 4-2512. Your continued suggestions for additions to the collections will be appreciated.



photo by Jay Schleichkorn

Student research shows that tables left like this in Building F become breeding ground for staph germs.

# She's a Nurse, Educator, Researcher, Mother



photo by Toni Bosco

Dr. Lenora McClean

Most people would define a full time job as — directing a planning of the graduate program in nursing; or, doing a project study of suicides in compiling a data bank on crisis intervention in families and preventive psychiatry; or, being the mother of four children from nine years down to a year and a half.

For Dr. Lenora McClean, newly appointed director of the graduate programs of the Health Sciences Center School of Nursing, all these tasks fall into a day's work. A graduate of Columbia Teachers' College, who was a specialist in psychiatric nursing, Dr. McClean came to Stony Brook after making a hard decision.

### An Educator First

"I was tempted to a full-time clinical work, but then had to admit I was more

committed to education," said the Georgia-born nurse, who became interested in psychiatric nursing after meeting extensive family crisis and disturbance while working at a tuberculosis hospital in Jacksonville, Florida.

Since graduate programs in nursing at Stony Brook are slated to begin in September, 1975, Dr. McClean's first task here was to find, as she put it, "What is a workable proposal for this Center?"

"We have no grandiose expectations about opening doors to large numbers of graduate students, since this is still a very young School of Nursing," she stated. "However we hope to be able to open for both full and part-time students," she added.

Dr. McClean's first step was to do a

feasibility study to determine the nature of health service needs and the needs for graduate studies for the Long Island population of nurses. She looked into what kinds of jobs Stony Brook nurses have taken, what role they find themselves in, what thoughts they have about where nursing should be headed on the level of graduate preparation.

"I found there is a severe lack of options in graduate studies for nurses. Large numbers of nurses simply do not have such programs accessible to them," she stated.

"Trends in health care could take several routes — specialization, general nursing, traditional, interdisciplinary — there's much work to be done in planning new programs," Dr. McClean pointed out, adding that they are particularly interested in the nurse-practitioner trend.

The coming graduate programs are being planned to meet the needs and aspirations of nurses on Long Island; to offer different levels of preparation and seek creativity in students, methods, and content. Classes will also have a heterogeneous character with a mixed

(Continued on page 8)

## Grant Awarded to Study Team-Learning Approach in Basic Sciences

A grant totaling \$74,292 has been awarded to the School of Allied Health Professions of the Health Sciences Center at the State University of New York at Stony Brook for the improvement of instruction in the basic sciences. The announcement came from the Department of Health Education and Welfare's Bureau of Health Resources Development and Administration in Washington, which made the award.

Edmund J. McTernan, Dean of the School of Allied Health Professions, who was named Project Director, said the grant would be used to study students' academic needs and develop courses for better basic sciences instruction, in collaboration with the School of Basic Health Sciences. This will benefit students in all the Health Sciences

Center's programs, including medicine, nursing, dentistry, physical therapy, medical technology, respiratory therapy, physician associates, and health educators.

"Students from all the programs at the Health Sciences Center take the same basic science courses because it was our original agreement that we would not offer five or six courses in basic anatomy, and so on. But this caused a problem," said Dean McTernan. "Students were in class together with different backgrounds and different needs, and so it was hard to develop common courses that met the level and depth of all their different needs."

The grant will make it possible to hire personnel to work specifically on the problem of how to match needs of



photo by Jay Schleichkorn

Dean Edmund McTernan

students in different programs with the contents of the basic sciences courses so that health professions students may continue to get their basic sciences instruction in a team setting, with content improved because of being geared to individual program needs.

## United Fund Thanks HSC Employees

The employees of the Health Sciences Center have been given a "1973 Fair Share Award" for outstanding support of the 97 agencies and hospital members of your United Fund of Long Island.

In making the award, spokesman Lewis J. Sharp said:

"This award is really a statement of concern and responsibility by your contributors to total community needs along with the urgent needs of their own organization."

# Recent Grants Awarded to HSC

The Office of Research Administration at SUNY, Stony Brook publicized the following grants awarded this spring:

DEPARTMENT	PROJECT DIRECTOR	SPONSOR	TITLE	AMOUNT	TYPE
Biochemistry	Dr. Melvin Simpson	National Inst. of Health	TRNA: Synthetase Recognition (Research Career Development — B. Dudock)	\$ 25,000	Cont.
Dental Medicine	Dr. J.H. Oaks Same	Health Resources Admin. International Assoc. for Dental Research	Health Professions Start-Up Assist. Student Research Support	240,000 500	New New
Oral Bio. & Pathology	Dr. Israel Kleinberg	Warner Lambert/U of Manitoba	Research Support	30,000	New
Medicine	Dr. Marvin Kuschner	National Inst. of Health	General Research Support	39,998	Ren.
Oral Bio. & Pathology	Drs. L. Golub/T. McNamara Dr. Philius Garant	Army Medical Research National Inst. of Health	B-D Galactosidase, Collagenase Ultrastructure, Periodontitis	32,977 41,315	New Cont.
Allied Health Prof.	Dr. Edmund McTernan Drs. H. Oaks/E. McTernan	Health Resources Adm. Veterans Administration	Improved Clinical Instruction Allied Health Manpower	82,690 432,073	Cont. New
Microbiology	Dr. Nicholas Delihias Dr. Kenneth Keegstra Dr. Eckard Wimmer	National Inst. of Health American Cancer Society Runyan Memorial Fund	Ribosome Structure Surface Glycopeptides of Cells C-Type RNA Virus, Poliovirus Ribo- nucleic Acids	4,950 107,031 35,213	Cont. New New
Pathology	Drs. A. Upton/A. Janoff	National Inst. of Health	Post-Doc. Fellowship/R. Sandhaus	3,000	New
Medicine	Dr. David Weeks	National Inst. of Health	Community Health Training, Physicians	193,791	Cont.
Psychiatry	Dr. Stanley Yolles Dr. Harvey Karten	National Inst. of Health Scottish Rite Schizo- phrenia Research	Psychiatry, Basic Residency Viscerosensory Pathways: Histochemical and Ultrastructural Aspects	97,754 52,110	New New
Vice-President, HSC	Dr. Howard Oaks	National Inst. of Health	Health Professions, Start-Up Assistance	180,000	Cont.
Medicine	Dr. Edward Bergofsky	National Inst. of Health	Hypoxic Regulation, Pulmonary Circulation	59,114	New
Pathology	Dr. Bernard Lane	Goldberg Memorial/Cancer	Urothelial Carcinogenesis	33,135	New
Dean, Nursing	Dr. E. Fahy/C. Blair	Nassau/Suffolk Reg. Med. Prog.	Family Nurse Practitioner Program	113,986	New
Social Welfare	Dr. Stephen Rose	National Inst. of Health	Community Mental Health Training	108,375	New
Biomedical Comm.	Drs. A. Bicker/E. Bergofsky	Nat. Center, Health Services	Biomedical Simulation Laboratory	313,998	New

## New Invention by Dental Team

# Taking Guess Work Out of Gum Disease

An instrument that takes the guesswork out of diagnosing diseases of the soft tissues of the mouth is the brainchild of two dental researchers at the State University of New York at Stony Brook.

### Four Worked on Development

Called a Gingival Crevice Fluid Meter, the measuring device was developed by Drs. Israel Kleinberg and Lorne Golub,

with the assistance of Dr. Sam Borden of the University of Manitoba and a Canadian engineer, Morris Settler. It provides the first tool for obtaining a quantitative reading of tissue fluids from the gums, giving important data needed for diagnosis and treatment of gum diseases. Dr. Kleinberg is Professor and Chairman, and Dr. Golub, Associate Professor, in the Department of Oral

Biology at Stony Brook's School of Dental Medicine.

The machine is used by collecting samples of the fluid secreted by the gingiva — the soft gum tissues — on very fine strips of special paper inserted between the teeth. The amount of fluid on these strips is then measured by this very sensitive machine, "providing the user with a rapid and accurate method of determining the volume of gingival crevice fluid objectively," explained Dr. Golub, a gum and bone specialist who also has a Masters degree in Biochemistry.

A number of the Gingival Crevice Fluid Meters are now being used in several dental schools and research institutions. The first papers reporting its use in dental research were read at the annual meeting of the International Association for Dental Research held in Atlanta, Georgia in March.

### Saw Need

The dental researchers began to see the need for an accurate tissue-fluid measuring device when they made some discoveries about the nature of this fluid.

"Our data pointed to the fact that the gums act like little kidneys — getting rid of urea. We thought the urea in the gingival crevice fluid was a substrata for certain bacteria, which 'chewed' up this urea and produced ammonia, a substance very irritating to the soft tissues. Our data still points in that direction," stated Dr. Golub, adding:

"We used filter paper strips to collect the urea from the gums between the teeth, but we needed to know not only the amount, but also what concentration

we were dealing with. Considering we're talking about much less than a drop of fluid, we had to come up with our own techniques for measuring volumes."

With the help of Mr. Settler the decision to try an electronic gadget worked, resulting in the Gingival Crevice Fluid Meter.

### Spin-Off Value

Drs. Kleinberg and Golub envision that the meter might have a spin-off value, being used to measure small amounts of body fluids in locations other than the mouth.

"Conceivably, it could measure fluid around the eye, indicating diseases of the eye or even whether a person could wear contact lenses or not. Fluid from small glands could also be measured as an indication of disease. Measuring the rate of sweat could point out incidences of certain skin diseases, or stress," they commented, adding:

"When you analyze the fluid, you might be able to see what's going on in the blood without puncturing blood vessels. For example, if glucose is abnormally high, this could indicate the need to test for diabetes."

Right now the meter is a research tool, but the developers say they "wouldn't be surprised if the meter becomes common equipment in dental practice."

"It removes the necessity of having a dentist or hygienist make a judgment about the condition of a patient's gums. Even the patient can look at the machine and see scientifically how healthy or unhealthy his tissues are," they concluded.

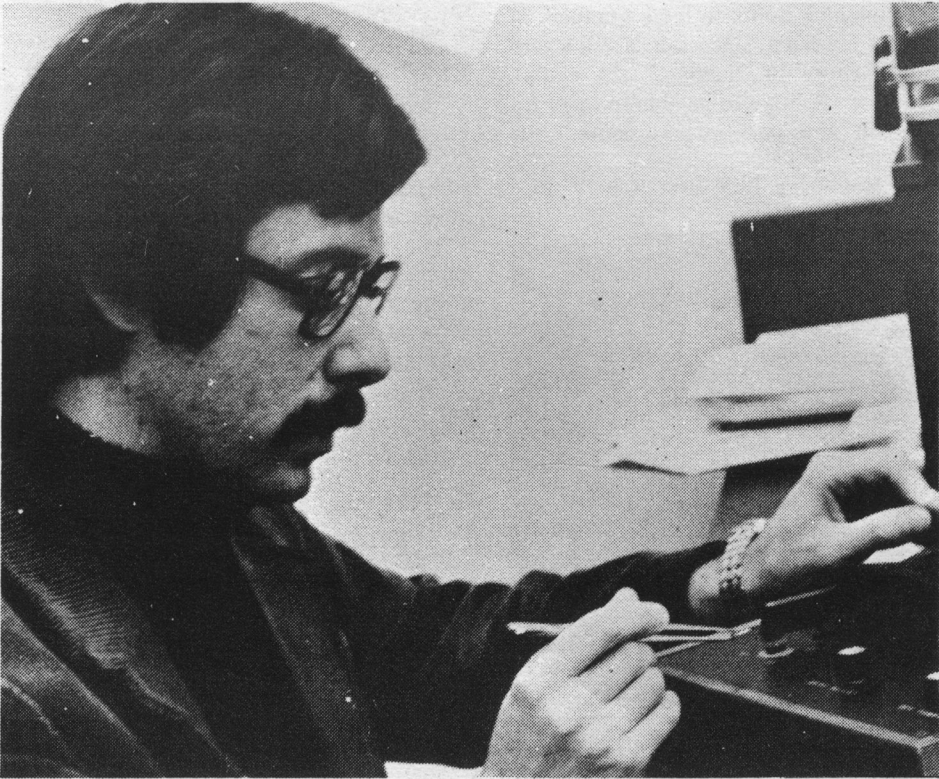


photo by Toni Bosco

Dr. Lorne Golub

## What's Her Line?

# Rosemary Donato — Media Librarian

Rosemary Donato has a job whose time has come. She's the media librarian for the Health Sciences Center — a new type of position giving witness to the fact that information today comes not only from book learning but also from visual action and sound.

"Our main purpose is to show people how to tie in media with teaching and learning," said Rosemary, a friendly efficient young woman who left a position as publicity secretary with Columbia Records in New York City for the challenge of being in the "educational atmosphere" of the University.

### Tapes on Shelves

A media library has shelves of video tapes instead of books, and as the gal in charge, Rosemary has a variety of jobs. She has to catalog the tapes and keep records on loans and returns. She also has to check the equipment for good working order before it goes out and has to give instructions to students and faculty on how to use the equipment.

"People aren't aware that the equipment is delicate. I try to get across the importance of being careful and of getting the material back on time to me," she said.

The media library equipment consists of a 16 millimeter film projector; a Rover portable video tape camera and recorder with a portable sound system; audio cassette recorders and players; overhead projectors; and slide projectors.

If students or faculty want to do a production, Rosemary is also the one to see to get the studio booked. She also can arrange to get supplementary audio-visual materials, meeting a lead time of about one month to fill requests.

"I keep a catalog for the different film distribution houses and students and faculty are welcomed to look through these and request a film. Some are free, some not," she explained.

### Variety of Subjects

Video tapes on the shelves of the media library are on a variety of health related topics. Examples would be a tape of a doctor interviewing a patient with a fatal disease showing how a patient faces death; or a tape showing interview techniques on how to draw out information from a patient.

"Students make their own video tapes too. I showed some nursing students how to use the studio and they did a tape interview of two pregnant women to get information on prenatal nutrition. They then played this tape for other students," Rosemary commented.

### Back to School

Out of her relationship with students, faculty and staff here, the young media librarian said she's learned so much, she's motivated to go back to school. She is now attending evening classes, working for an Associate's Degree in Tele-communications.



Rosemary Donato demonstrating use of equipment

photo by Gene McDermott

# Queens Hospital Accredited

Queens Hospital Center in Jamaica has received accreditation for a two-year period from the Joint Commission for Accreditation of Hospitals. This hospital is a unit of the New York City Health and Hospitals Corporation affiliated with Long Island Jewish-Hillside Medical Center. The Queens affiliation is also a clinical campus of the State University of New York at Stony Brook.

### Community Needs

Located in Jamaica, the Queens Hospital Center is responsive to special community needs through a variety of programs such as sickle cell screening; a multi-modality drug treatment program; computer-aided testing in a

comprehensive family health care center to coordinate and upgrade ambulatory patient care; an intensive blood donor recruitment program; and a health education program on venereal disease conducted in the Emergency Room.

Significant medical research at QHC includes studies of pancreatic disease and clinical evaluations of trauma

management, analysis of ventilatory failure, renal tuberculosis, cigarette smoking, pain and spasticity treatment, cancer, and hemoglobin abnormalities.

The 1,179-bed Queens Hospital Center last year had more than 15,000 in-patient admissions and provided 250,000 out-patient and 110,000 emergency room visits.

## June Speaker Announced for Basic Health Sciences Seminar Series

Dr. Robert A. Good of Memorial Sloan-Kettering Cancer Center, New York City will lecture in the Seminar Series of the School of Basic Health Sciences on June 5th at 4 p.m.,

in F-147. Dr. Good's lecture is entitled "Modern Immunobiology and Human Disease." All are welcome.

Refreshments will be served at 3:30 p.m.

*William Birtwell*

# Pioneer Biomedical Engineer Appointed to School of Medicine

An engineer who developed some of the first instruments used in assisted circulation for victims of ailing hearts has joined the faculty of the Medical School at the State University of New York at Stony Brook.

William Birtwell, one of the early pioneers in biomedical engineering, has been recently appointed as an Associate Professor in the Department of Surgery of the School of Medicine. Along with teaching, he will continue research studies in the field of assisted circulation with Dr. Harry S. Soroff, Chairman of the Department of Surgery. The two men have been a surgeon-engineer team for the past 14 years, based at Tufts University in Boston, authoring some 60 papers on their work.

Professor Birtwell's credits include being the first engineer to develop a blood pump with valves, a breakthrough which greatly reduced the damage done to red blood cells when using a valveless pump. In working to develop prosthetic heart valves for clinical use, Professor Birtwell produced the first caged-ball valve to be installed at the site of the aortic valve, successfully implanted in a human being in 1960 by Dr. Dwight Harken of Harvard.



photo by Toni Bosco

**Professor William Birtwell**

The biomedical engineer became renowned in the late 1950's for conceiving the concept of "counter-pulsation" in assisting the heart. Up to this time, most methods of assisting the circulation of patients in shock worked on the principle of diverting blood flow away from the heart

and lungs. This gave the heart less blood to pump but at the expense of elevated pressure which gave the heart increased work. By using a counterpulsation technique, the pressure against which the heart has to beat is reduced. The first synchronous pump using the principle of counter-pulsation for pressure assistance was built by Professor Birtwell and patented by the Davol Rubber Company where he had been employed as a Chief engineer for scientific research.

"An unexpected side effect of counterpulsation was the discovery that this method stimulated a self-healing of certain heart vessels," Professor Birtwell commented.

Currently, he and Dr. Soroff are working on assisted circulation by using "external counterpulsation." This concept, originated by the two-man engineer-surgeon team several years ago, uses external equipment to change the environment of parts of the body—similar to the principle of the iron lung—and is proving to have salutary effects on the functioning of both veins and arteries. About 20 machines using external counterpulsation are being clinically evaluated at the present time in various medical centers.

Professor Birtwell sees the biomedical engineer as having come of age as an integral part of the health delivery team. Engineers will be more and more needed for planning and designing instrumentation, as well as for sophisticated electronic monitoring for delicate surgery, he affirmed.

"I'm not talking about creating a hybrid, a pseudo-doctor. Engineers will view physiological problems from their training," said Professor Birtwell, explaining:

"An engineer who gets involved in medical research will learn more than is found in Physiology I, and will learn thoroughly and painlessly as a means of dealing with the problem he is trying to solve."

Professor Birtwell's career included being an Assistant Professor at the University of Rhode Island; designing tests for radar devices for the Bureau of Ships as a consultant; working as a consulting engineer for a textile business, during which he invented an electro-magnetic loom; and Chief Engineer for the Davol Rubber Company, a position which introduced him to medical research which then became his specialization.

## HSC Communications Now Two Divisions

A major change has been announced concerning one of the Health Sciences Centers "shared resources." The Division of Communications in Building H has been dissolved in order to make a clearer distinction of the services offered. There will now be two divisions in Building H—The Division of Media Services, and the Division of Biomedical Computer Services.

The Division of Media Services will be directed by Antol Herskovitz and will continue to offer the services to students and faculty already developed by this resource.

The Division of Media Services has initiated projects utilizing videotape recordings of micropractice; media presentation of practice techniques; and student development of media techniques as part of their learning/teaching activities in health care environments.

This Division has also developed facilities to support

the production, observation, distribution and reproduction of audiovisual materials. Educational materials produced by the Center are shared with other institutions engaged in parallel activities. Instructional materials from other institutions are constantly reviewed for possible adoption or adaptation for use in the curriculum of the Center.

Located in Building H, the Media Services Division includes a photographic laboratory, graphics studio, film and slide review room, television studio, television production center, and supply room for projection equipment.

The Division of Biomedical Computer Services is directed by Dr. Alvin A. Bicker.

This Division is concerned mainly with computer applications in the Health Sciences which require

specialized communication skills and knowledge of Health Sciences in such areas as health care management, research, education, and clinical.

The responsibilities of this Division include: (1) Research applications involving statistics, image processing, biomedical simulation, and data acquisition; (2) Computer-assisted instruction, working in collaboration with the campus' Instructional Resources Center; (3) Dental clinical information systems; and (4) General responsibilities for planning and implementing University Hospital information systems.

This Division is also actively involved in clinical research projects with the following clinical campuses: Northport Veterans Hospital, Nassau County Medical Center, and Long Island Jewish-Hillside Medical Center/Queens Hospital Center.

## Honor Thy Secretary



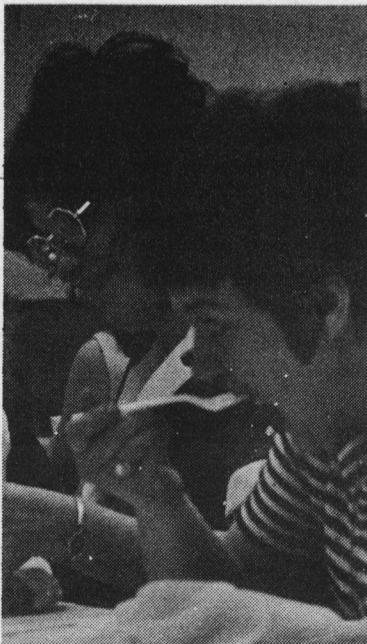
And lots of fun, too . . .

Variety wasn't the only spice of life in Building "F" on April 24th. That day, in recognition of National Secretary Week, the School of Allied Health Professions did its own improvisations and came up with an "Honor Thy Secretary" luncheon that included such specialties as "McDaniel Jello Mold," "Tuna Delight a la Lempert," and other assorted delicacies.

This idea was the dream child of Jay Schleichkorn, head of the Physical Therapy Department, who suspected that the best way to the hearts of the school's eleven secretaries might be a collective lunch date. Faculty members turned chef and server for the day, exacting promises from all to forget calories and eat and enjoy. The photos taken by Mike Helland, AHP's candid cameraman for the day, indicate the luncheon was a great success.



Who caught the candid cameraman?



Umm--Good!

## Professor's Wheel Chair Ride Is All for Patients

The old adage that "one picture is worth a thousand words" was proven again by Prof. Jay Schleichkorn, Chairman of the Program in Physical Therapy, School of Allied Health Professions. After numerous discussions and arguments had failed to convince architects planning the new State University Hospital of the inadequacy of patient bathroom facilities, Prof. Schleichkorn graphically proved his point by playing the role of a patient in a wheelchair, trying to negotiate a mock-up of a typical 2-bed patient room. After Prof. Schleichkorn (an expert wheel-chair operator) demonstrated that a wheelchair could not get into the bathroom past the sink; that—if it had been possible to get in—there would be no way to "transfer" from wheelchair to toilet; and that nursing personnel would have difficulty in assisting a handicapped patient in the bathroom, planners agreed that complete redesign of patient bathrooms was necessary.

Prof. Schleichkorn is nationally recognized for his concern for, and understanding of, the problems of the physically handicapped. His demonstration had one goal—to contribute to patient comfort and nursing effectiveness for all the years through which the university hospital will serve the people of the Long Island area.

# School of Medicine's Pioneer Class Graduates

(Continued from page 1)

real life—not a fantasy world where everything was given to us.”

**D R . E D M U N D P E L L E G R I N O , F O U N D I N G V I C E - P R E S I D E N T O F T H E H E A L T H S C I E N C E S C E N T E R**

“A major challenge is facing the medical profession—a change in the image of the physician, a change in the ‘sacred’ patient-physician relationship, and a change in relationship with society and other health professions. Make that a responsible image, remembering that the basis of responsibility is genuine **respond-ings** . . . You probably feel all the good hopes you had have not been achieved . . . I have faith in you . . .”

Todd Swick felt that a drawback in being the first class was that the students didn't know what to expect from their curriculum. “It's hard when there's no one in front of you to gauge your progress,” he said, adding:

**Right Direction**

“I think, however, the whole school is headed in the right direction and will be one of the best on the East coast before it is finished. It's not a static place, but a dynamic process.”

The physical drawbacks of getting an education via the roads has convinced Karen Cohen that a medical school education should be a four year program with a more traditional curriculum.

“Our curriculum was disorganized and often repetitious by having so many different teachers in so many different hospitals. Communication between the administration, the teachers at the hospitals and ourselves was practically non-existent. We had no support services from the

School for things like housing. When you have no place to live, you lose enthusiasm for school. The medical school needs to be organized differently,” she maintained.

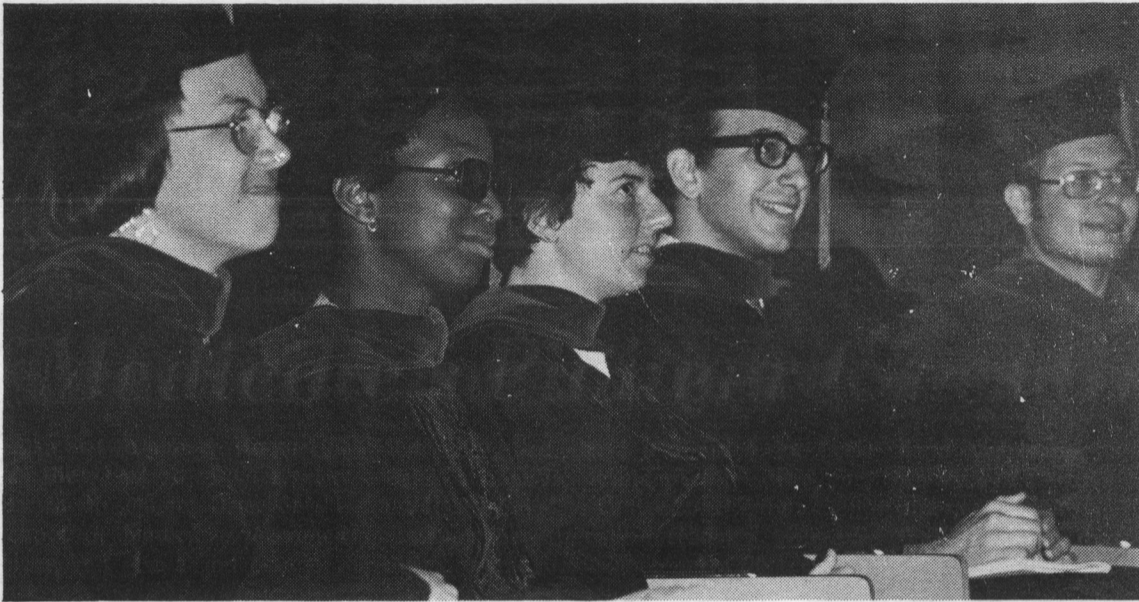
Associate Dean Roger Cohen agreed that “It was hard” for the first class who met all the difficulties usually felt by “pioneers.” He said constructive

changes in curriculum had already been made and that medical students now have a strong option to choose a four-year program.

All the graduates have been accepted for internships at hospitals from the east coast to California affiliated with academic teaching centers.

The School of Medicine

opened in September 1971 with an initial class of 24 students. Three of these students took leaves and are now members of the second year class; two opted for a four-year program and will graduate next year; and one student decided to get a doctorate in pathology as well as medicine and will receive both degrees in 1975.

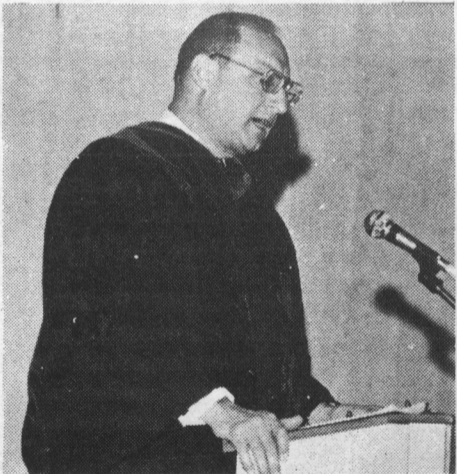


## Graduation Address Given By Dr. Marvin Kuschner

Sunday, May 19, 1974

Friends and Colleagues:

This is for all of us a day of enormous satisfaction and fulfillment. There will be other graduation days for the School of Medicine, but never another such as this. This is the charter class and it is my duty to place in the record some notes on this



unique experience. We shall presently call attention to those planners and persuaders whose creative instincts willed this act of gestation. But first, permit me to speak for my special constituency — the students and the faculty who have

over the past three years struggled together to make this day come about. Make no mistake — those of us — students and instructors — must be forgiven if we take pride in what we must consider a minor (and perhaps not so minor) miracle.

Teach medicine! The faculty was directed.

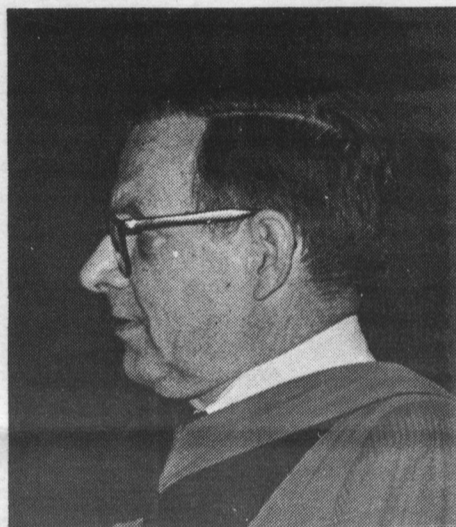
Learn medicine! The students were told.

Do it in temporary quarters — do it in hospitals 50 miles apart — do it in three years — do it by way of a new curriculum! Well, we've done all of that and its over and the students and faculty sit before you today — somewhat dazed — somewhat unbelieving — certainly exhausted — but above all triumphant! Here are some brand new physicians — and very good ones at that.

This has been an enormous instructional effort and not the least of it has been the instruction of the faculty. We have learned that the basic assumptions with which this school was founded are eminently sound.

Item: Medical science is indeed a University discipline and will flourish to the degree that its University ties are strengthened. Here — on this campus — we can do it.

Item: The University Hospital-oriented



mode of medical education is not the only one nor is it perhaps the best. We can now recognize the strength of the concept that our campus extends from the City Line, indeed from 168th Street, to Orient Point and Montauk and that it will be incumbent upon us to so develop the involvement of all of the health care resources in this educational effort that our far-flung geographic situation will become an asset rather than a hazard and a burden.

Item: The development of strong and co-equal programs in the Allied Health Professions, in Nursing, in Social Welfare, and in Dentistry, do not represent a denigration of Medicine, but rather offers the opportunity for mutual amplification of effectiveness in the provision of health care.

To say that we have done all of these things would be the grossest kind of exaggeration. To say that we are more than ever convinced of their rightness and to hope that our students have learned from our shortcomings as well as from our accomplishments would be entirely fair.

What have our students learned? I would hope that they have a modicum of technical competence — certainly enough to form the foundation for the 4 or 5 years more of professional training they are about to enter into, and for the years thereafter.

More than that though. There is always something particularly sobering about a medical school graduation. Sobering in the midst of rejoicing. Medical students mature rapidly in a very particular way. In that awesome phrase of Emerson's they become “perceivers of the terror of life.” I believe I have remarked before to this class that dreadful things happen to people. The physician is privileged to be

one of those who may be able to help and the physician's responsibility is always to keep himself or herself fit to render such help.



## Nurse, Educator, Researcher, Mother

(Continued from page 5)

group of students reflecting differences in ages, ethnic backgrounds, culture, educational specialization, work experience and community contact.

Dr. McClean, formerly on the faculty of graduate programs in psychiatric nursing at Columbia, will continue to work on a project studying suicides at the Bronx State Hospital.

“A study of suicides sounds like a morbid thing but it is a place to begin learning about depressive phenomena. This is still an area where there is little first-hand study,” she explained.

**Four Children**

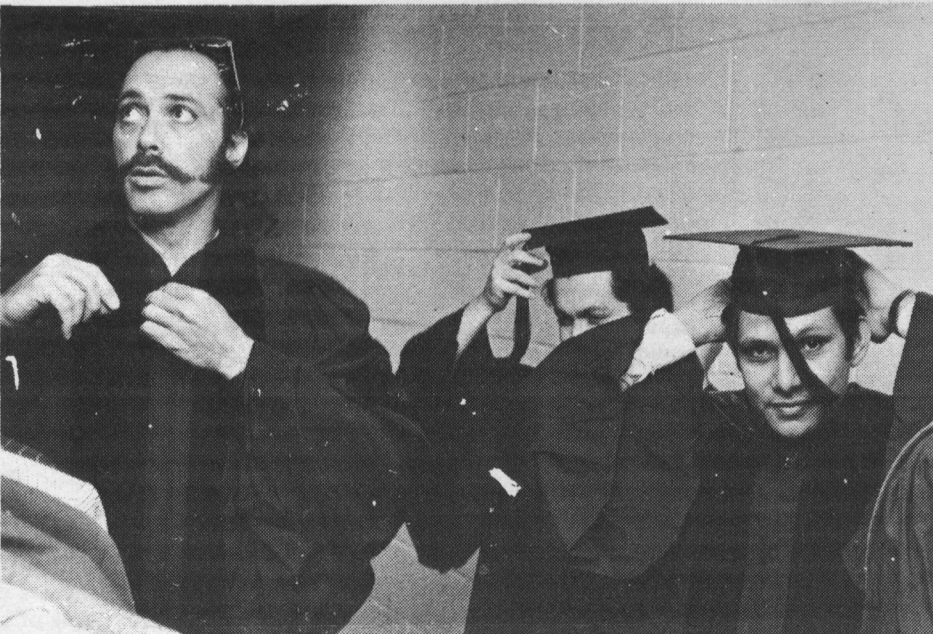
Personally, Dr. McClean's days deal very much with liveliness, being the mother of four young children, one of whom is still in a toddler stage.

“Tara was born between doctoral dissertations,” commented the attractive nurse-educator, wife-mother.

As a family, the McCleans demonstrate an enviable type of adventuresomeness going from city dwellers to pioneer home builders on Shelter Island off eastern Long Island.

“We geared ourselves to a total change in lifestyle,” said Dr. McClean, explaining “so few people do what they really want. We didn't want this to happen to us.”

As a resident of Shelter Island, Dr. McClean is an unusual commuter, coming to Stony Brook each day by way of sea and ferry.



photos by Gene McDermott