

the body politic

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SCHOOL of PUBLIC HEALTH

University of North Carolina at Chapel Hill

Newsletter

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Number 1

SPH DEANS VIEW PAST AND FUTURE

Looking Back ...

During more than a third of a century, the University of North Carolina School of Public Health has remained steadfast in its basic mission while undergoing a sequence of changes in emphasis, style and learning-teaching procedures. That mission is the preparation of professional public health workers to analyze, plan, carry out and evaluate through appropriate community action the necessary steps in the diagnosis and treatment of the contemporary community health problems and hazards of the times.

Dr. Milton J. Rosenau and the initial faculty provided the beginning of a single-minded Public Health School to prepare practitioners for their daily practice in state and local health departments. In the beginning many of the practitioners were part-time, on-the-job students under Rosenau and his small crew.

This primary concern with the practice of public health continued as the prevailing policy of the School during most of the 16-year deanship of Dr. Edward G. McGavran. This thrust was augmented by such McGavran pace-setting concepts as the "community diagnosis and treatment of the body politic"; his insistence that "public health is a separate and distinct profession"; and emphasis upon teaching-learning of public health practice through the supervised, multi-disciplinary field team assignment approach.

Dean McGavran actively sought and obtained partial State funding for the School's operation. It was under his leadership that the first Federal grants for research and training in the basic public health sciences and disciplines were obtained. Likewise, it was his dream and tireless effort, along with those of a loyal faculty, that finally resulted in a new and modern building into which the rapidly developing and scattered teaching and research fragments of the School could be collected under one roof.

The pace of development and expansion of the School's programs was to continue throughout my nine-year tenure as the School's third dean. Paralleling and conditioning the School's growth and extension of mission, the accelerating societal stresses demanded and produced responsive changes in many of the School's policies, programs and operating procedures. The increasing public awareness of the "population

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Mayes



Greenberg

... Looking Forward

Revival of the publication of the newsletter is particularly pleasing to me because it creates a fine opportunity to reestablish contact with our School's alumni throughout the world. The letters which arrived in response to the announcement of Dean McGavran's untimely death indicated a great need for such communication. These letters also provided me with the kind of enthusiastic support a new dean needs in attempting to follow the high standards attained by his eminent predecessors.

Our School has grown in numbers of faculty and students to become the second largest among the 18 accredited schools of public health in the United States. Moreover, its tradition of high quality education and research has made the School outstanding in the field. You can understand, then, why I undertook this new position with some trepidation and concern for maintaining a future of distinction.

The decade ahead promises to be filled with problems which will affect the health of all people. Although the problems may seem overwhelming, they are particularly challenging to public health professionals because the opportunities for solution lie within our area of special competence—the community.

Consider the most critical problems which must be faced

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Dr. and Mrs. Mayes at Portrait Presentation

RECEPTION HONORS DR. MAYES

A reception was held in early September honoring Dr. W. Fred Mayes, former dean of the School, and formally presenting his official portrait. The photographic study by Fabian Bachrach of New York will hang in the McGavran Room of the School of Public Health where portraits of Dr. Milton J. Rosenau and Dr. Edward G. McGavran are also displayed.

Dr. and Mrs. Mayes received several hundred members of the School and University faculties and staff and friends who joined them during the afternoon gathering in the Student-Faculty Lounge.

The former dean retired at the end of August after almost ten years in the School's top post. During the current academic year Dr. Mayes will remain on the faculty and will engage in part-time and contract consultation with regional, national and international health programs. One of his first assignments will be the establishment of a national headquarters office for the Association of Schools of Public Health, Washington, D.C. is the selected site for the office of the Association, which is made up of 18 schools in the United States and two in Canada.

In October Dr. Mayes visited the University of Hawaii to join other members of a team assigned to study the school of public health there and make recommendations for its future growth. As consultant he spent a great deal of his time meeting with students, faculty, and administrators.

SCHOOL'S MINORITY PROGRAM

Realizing that there is a great shortage of minority health professionals in the country today and recognizing the need to act in order to help alleviate this shortage, the School of Public Health created a minorities office within the office of the dean in the fall of 1971. Mr. William T. Small, a 1969 graduate of the School of Public Health, was employed as coordinator of the program and has served in this capacity since November 15, 1971.

Some of the objectives a minorities program within the School would hope to achieve are increased minority student enrollment within the School itself, financial aid for minority

and disadvantaged students, the organization of retention programs to assure that the student completes his academic program (graduates) and placement services that will hopefully fit the minority graduate into employment that parallels his training.

The minority enrollment in the School has increased from 4% in September, 1971 to 12% in September, 1972. Over 50% of the new students are North Carolina residents. This high percentage of North Carolina minorities reflects the intensive recruitment efforts by the School in predominantly minority colleges and universities throughout the state.

SHEPS TO HEAD NATIONAL COMMISSION

Dr. Cecil G. Sheps, UNC vice chancellor for health sciences and former faculty member of the School of Public Health, has been named chairman of the National Commission for the Study of Higher Education for Public Health. The announcement was made by Dr. L.E. Burney at the first meeting of the organization held in October in New York. Dr. Burney is president of the Milbank Memorial Fund, an organization whose aim is to improve the physical, mental and moral conditions of humanity.

The three-year study will seek to develop a plan to help meet the nation's needs for knowledge and skill in identifying and understanding the factors that influence the health of the public. This approach to the problem is necessary in order that the most effective programs may be developed for promoting and preserving the health of the individual in the community in the future.

The members of the National Commission assigned to conduct the Study are distinguished experts drawn from the fields of public health, higher education, public policy, and related fields.

GREENBERG ELECTED TO INSTITUTE

Dr. Bernard G. Greenberg has been elected to membership in the National Academy of Science's Institute of Medicine.

Membership in the Institute is based upon (1) achievement in a professional field and the relevance of such achievement of the problems of medicine; (2) demonstrated interest, concern and involvement with problems of critical issues in health care, prevention of disease, medical education and research; and (3) expressed willingness to commit a significant portion of time to work on such problems or issues within the Institute.

The Institute of Medicine was chartered by the National Academy of Sciences in 1970 in recognition of the important and complex problems in the provision of adequate health services to all sectors of society. The Institute is under the leadership of Dr. John R. Hogness, president.

The Institute is concerned with the protection and advancement of the health of the public, including the provision of health care; education for the health and medical professionals and sciences; and the promotion of biomedical research and development.

Fifty-three professionals were selected for membership this year from the fields of health and medicine and related fields. This brings the total membership of the Institute to 155.

LOOKING BACK

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explosion," "environmental pollution," and the need for "high quality health care for all the people" placed even greater demands on the School.

In the light of these new demands and the burgeoning student body, faculty and staff, a two-year intensive re-examination of the School's mission, objectives, student needs, curriculum, teaching-learning methods and operating procedures was undertaken by the faculty with input from the supporting staff and student body. The resulting statement of mission and objectives emphasized the need for a broader student selection of curriculum content; consolidation of overlapping courses of study; experimentation in newer learning methods, including programmed and self-instruction; more student and faculty involvement in the operation of community health services; and a more adequate and unifying pattern for overall administration and self-governance of the School.

A constitution and by-laws within the framework of the University government were drawn up and adopted; new standing committees on academic standards and student-faculty relationships were established; assistant deans were appointed in the areas of academic affairs, program development, and internal administration. The dean's staff was augmented by the designation of an assistant to the dean, a fiscal and personnel officer, a registrar, and an administrative secretary. By this time the faculty had grown to a hundred twenty-five in response to the needs of a student body approaching five hundred.

The increasing pressures for more on-the-job training and the continuing education of public health professionals resulted in the School stepping up its Continuing Education and Field Service program. While focusing on North Carolina this extension service also incorporated some short courses and workshops for professional health workers from many other states and foreign countries.

The School, in response to still other needs and unique opportunities, took the initiative in setting up the Carolina Population Center, Institute for Environmental Health, and Training Program for Health Planners, all of which were University-wide in scope and participation. Likewise the School participated jointly in the establishment and improvement of the Institute for Child Development, the Institute of Toxicology and Pharmacology, the Teacher Preparation Program for Public Health Nurse Educators, and the Family Nurse Practitioner Training Program. The international image and reputation of the School continued to grow and to attract well qualified, mature students from twenty to thirty different foreign countries each year. Among the specific attractions for these international students were the programs in population studies, social epidemiology, biostatistics, environmental sciences, public health nursing, nutrition, health education, maternal and child health, and others. International students were not only welcomed but also encouraged to take active roles in the educational process and in student government. One year a student from India was elected president of the Student Council.

Still another development, in response to concern and empathy for minorities, presented itself in the establishment of an ad hoc School Committee on Minority Groups. The studies and recommendations of this Committee led to a campus-wide response and to the School's employment of a full-time Black coordinator of minority affairs. This action, plus an aggressive recruitment program and a formal commitment of the Dean's Cabinet and School faculty resulted in an

increase in one year in the number of such students actually enrolled from about twenty to over sixty qualified minority students. For many of these students the future will be doubly bright: once for the opening up of new and challenging professional opportunities, and once for helping the School to demonstrate, yet again, its penchant for carrying out its mission in the face of difficulties and in the midst of changing demands and expectations.

Once again the School is called upon to meet still other needs and demands as it adjusts its steps to match the pace and style of the fourth dean and a newly revised statement of mission, objectives and procedures to fit the decade ahead. There is no doubt that the School will rise to the occasion as it has so many times before. For it has become well acquainted with the prophetic words of James Russell Lowell, written about a hundred years ago:

"New occasions teach new duties,
Time makes ancient good uncouth;
They must upward still and onward,
Who would keep abreast of truth."

These words describe not only the dynamic spirit but also the demonstrated practice of the University of North Carolina School of Public Health!

W. Fred Mayes
Dean Emeritus

SPECIAL PROGRAMS

Several of the departments in the School of Public Health have designed new programs to meet specific needs of health professionals and other groups.



RESEARCH TRAINING PROGRAM IN ALCOHOL ABUSE:

Provided by the Department of Epidemiology, this program is prepared to train persons in the design, organization, implementation, and methods of analysis of studies related to the use of alcohol. The program was developed from a growing interest in the health-related professions for research training skills in this area of study.

The problems related to the use of alcohol may be classified into numerous related fields which do not exist in mutually exclusive categories. The resultant health effects related to the consumption of alcohol will be studied in terms of biological, sociological and cultural differences. Although the program focus is in the area of alcohol abuse, the principles studied can be applied to any drug.

The research program in alcohol abuse is of eighteen months duration. The candidate is awarded the M.S.P.H. or M.P.H. degree upon successful completion of the program of study. The first semester is devoted to an exploration of issues related to alcohol problems and to an orientation to the epidemiological methods of investigation. During this first semester each student should begin to focus on the specific problem which he will research during the next twelve months. During the second semester the seminar on alcohol and health will provide the academic background for students moving into field situations. They will begin to critique their own research and develop a proposal. The summer session is designed to give all the students eleven weeks in the field situation. The faculty advisor will provide supervision in identifying information needs and maximizing learning from field placement so that

the student will gain confidence for working independently on his chosen research problem. The final semester of on-campus study will be devoted to completion of the degree requirements, the writing of the master's thesis, and to the demonstration of competencies gained.

Dr. Joan C. Cornoni, assistant professor, is the director of the program and the person to whom inquiries should be addressed. Other faculty members with primary interests in alcohol studies will serve as student advisors, guest lecturers, and preceptors of student field placements. The following faculty will be actively participating in the program: Dr. John Ewing (Psychiatry), Center for Alcohol Studies and School of Medicine, UNC at Chapel Hill; Dr. George Maddox (Sociology), School of Medicine, Duke University; Dr. Demmie Mayfield (Psychiatry), School of Medicine, Duke University, and the Veteran's Hospital; Mrs. Beatrice Rouse, Center for Alcohol Studies and School of Medicine, UNC.

GROUP FACILITATOR TRAINING IN HUMAN SEXUALITY:

Over the past several years, more than 250 undergraduate students have enrolled each semester in HEED 33, "Topics in Human Sexuality." The courses have been offered by the Department of Health Education, with Dr. Takey Crist of the Department of Obstetrics and Gynecology of the UNC School of Medicine assuming major administrative responsibility. Mr. William Griffin, a 1972 UNC graduate who is now enrolled as a master's candidate in the Department of Maternal and Child Health, has provided substantial input into the planning, implementation and delivery of the course.

Last summer it was realized that HEED 33, given as a large lecture course, was failing to fulfill its potential. A major investment needed to be made in the development of small group experiences through which students would have the opportunity to explore in group discussions the topic introduced in the lectures. The group discussion supplement to HEED 33 was developed by the Department of Maternal and Child Health. Geraldine Gourley and Barbara Stocking, working with Mr. David Kiel (a group process person who is currently a doctoral student in Mental Health), have offered an opportunity to graduate students in the School of Public Health and other Schools on the campus to acquire skills in discussion group leadership within the substantive area of human sexuality. The group facilitator course is being offered this semester and will be offered in the spring semester as a pilot endeavor.

EVALUATION PROGRAM:

UNC at Chapel Hill, in competition with Yale, Harvard, UCLA and several other universities, has won approval from the Health Services and Mental Health Administration for the establishment of a multi-faceted program of education, training, technical assistance and research in the field of health program evaluation. Dr. Morris Schaefer has been designated as associate director of the program.

Under a steering committee representative of the campus as a whole, more than fifty faculty members and administrators from three departments and other units of the university worked intensively for more than nine months to develop the proposal. The main components of the proposal include: 1) An exchange program consisting of work-study in HSMHA and its component programs by UNC faculty and graduate stu-

dents. HSMHA personnel will come to Chapel Hill as students, visiting scholars, and researchers. 2) Development and utilization of field sites for applied research, education, and technical assistance. The two principal sites will be staffed by full-time faculty on leave from regular duties. 3) An education and training component involving degree students and special students at Chapel Hill and a variety of short courses given at UNC, in the Washington area, and perhaps elsewhere in the United States. The first of these was a course in introductory evaluation concepts conducted in Rockville, Maryland in October by Dr. Morris Schaefer and Dr. Elizabeth Coulter (Biostatistics). Dr. Schaefer, Dr. Leonard Rosenfeld and Mr. John Rodak joined other members of the program's core faculty in presenting a planning conference on short-term training needs and programs at HSMHA in November. 4) A technical assistance service to assist HSMHA staffs with problem definition and solution at the levels of policy, program, and performance. 5) A research component that will evaluate the other components and take the form of a systematic attack on problems of concept, method, and technique in the field of program evaluation. Nine staff members of HSMHA enrolled as special or degree students at the beginning of the 1972 fall semester.

NEW PROGRAM FOR OCCUPATIONAL HEALTH NURSES:

A program of study for occupational health nurses was instituted at the beginning of the fall semester, 1972, with Miss Irene Courtenay as the program director. Four students enrolled in this program of study. The only one of its kind in the United States, the program is supported by a five-year training grant awarded to the Department of Public Health Nursing by HEW's National Institute for Occupational Safety and Health. The purpose of the program of study is to prepare experienced occupational health nurses for leadership positions of administrator, consultant, supervisor or teacher in occupational health nursing. Inquiries may be directed to Miss Courtenay at the Department of Public Health Nursing.

NON-MEDICAL HEALTH DIRECTORS TRAINING PROJECT:

The training program for non-medical health directors was renewed for its second year by a grant from the Bureau of Health Manpower Education, HEW. According to Ms. Lydia Holley, project coordinator, the purpose of the project is to prepare non-physicians for executive positions in local public health agencies. The program has particular relevance in North Carolina and in other states where a legal basis and position description for such personnel already exist. The problem of leadership and development of public health services at the local level has national implications. The project awards special purpose Public Health Service traineeships for the twenty-one months curriculum.

OFF-CAMPUS DEGREE PROGRAM:

A convocation in the Governor's office in Raleigh, N.C. in May, 1972 honored the state agency employees who completed work for their master's degrees by August, 1972 in the School's first off-campus degree program.

The Graduate School approved the program as a demonstration in 1969 and made special administrative regulations to cover registration, course schedules, and fees. Program goals

included meeting professional career development needs of employed community health professionals, assistance in planning and improvement of community health services in the state, encouragement of interagency understanding and cooperation through problem-oriented academic experience for key employees, creation of a setting and laboratory for innovation in graduate education, evaluation of the feasibility of better integration of educational and work experience, and provision of special continued education opportunities.

The program was funded by a health services training grant from the Public Health Service, an allocation from the North Carolina State Department of Administration, and tuition and fees through the University.

From its inception in 1969 through graduation of the first candidates, Ms. Janice Westaby acted as program coordinator. The three-year course allowed state agency personnel to complete degree requirements on a part-time basis while continuing to function in their jobs.

The Department of Health Administration will again assume leadership in the off-campus program which the School will offer in Raleigh in 1973. Professor Lydia Holley will coordinate the program for the dean's office. A grant request has been submitted to the Bureau of Health Manpower Education to provide resources to extend the program to other locations in the state.

EDWARD G. McGAVRAN 1902 - 1972

Dr. Edward G. McGavran, an international figure in public health and dean emeritus of the School of Public Health died on August 29, 1972 in Blind River, Ontario, Canada where he was spending the summer at his cottage on Lake Mantinenda.

Dr. McGavran's professional career included the private practice of medicine, a field directorship of the W.K. Kellogg Foundation, state public health work in West Virginia and Missouri, and professorships of preventive medicine and public health in the medical schools of Washington University, St. Louis, and the University of Kansas.

From 1947-63 he was dean of the School of Public Health of the University of North Carolina at Chapel Hill and a professor in its Department of Epidemiology. As dean, McGavran was responsible for the School's five-fold growth from a faculty of 14 to 70 and a dramatic increase in enrollment and the number of degree programs offered. He was instrumental in obtaining state and federal funds to construct Rosenau Hall, occupied in 1962 and now the main building of the School of Public Health. After his retirement, McGavran served as consultant of the Ford Foundation in India and later to the continuing education and field service program of the School.

Dr. McGavran was a dynamic leader and teacher in the field of public health. He never wavered in his belief that public health is a distinct, scientific discipline, "the scientific diagnosis and treatment of the body politic."

A fund in Dr. McGavran's memory has been established at the School. Contributions may be made to the E.G. McGavran Memorial Fund, School of Public Health, Chapel Hill, North Carolina, 27514.

ANNUAL ART EXHIBIT

Mr. Moussa Domit of the North Carolina Museum of Art in Raleigh, North Carolina will be the juror for the eleventh annual art exhibition to be held January 8 through December 3, 1973 in the School of Public Health.

The purpose of the show is to symbolize the School's commitment to improving the human environment, to demonstrate and promote the concept of exhibiting original art work in public buildings, and to provide a showcase for the work of regional artists.

Each artist may submit two original works properly prepared for display. Entries may be delivered to the receptionist in the main lobby of the School between January 8 and February 8, 1973. All entries must be delivered to the School by February 8.

Purchase awards will total \$1,100. For additional information contact Mr. Y.G. Land, School of Public Health.

COKER COLLECTION PRESENTED

A reception for friends and colleagues of the late Robert E. Coker was held in October to acknowledge the establishment of the Coker Memorial Collection of selected public health and health administration publications. The collection will be placed in the reference collection in the Department of Health Administration library for the daily use of students in the department and the entire School of Public Health.

Dr. Charles Cameron, former faculty member of the Department of Health Administration and now chairman of Health Administration, School of Health, University of Oklahoma Medical Center in Oklahoma City, made the presentation. He stated that use of the funds to buy the classics in public health literature makes a most fitting memorial tribute to Dr. Coker and his life interests. Following a career in local and state public health work and research, Dr. Coker served as chairman of the Department of Health Administration from 1960 until his death in 1966.

In addition to the books the library received a portrait of Dr. Coker framed with one of the bookplates identifying the volumes purchased with the fund.

Members of the Coker Memorial Fund Committee are Lydia S. Holley, Charles Harper, and William Herzog, all members of the health administration faculty.



Dr. Charles Cameron presents Coker Memorial Collection to Health Administration.

GRIZZLE APPOINTED BIostatISTICS CHAIRMAN



James Grizzle

Dr. James E. Grizzle has been appointed chairman of the Department of Biostatistics to succeed Dr. Bernard G. Greenberg, former chairman and now dean of the School.

In making the appointment Dr. Greenberg pointed out that the School of Public Health is fortunate in having a person of Dr. Grizzle's ability to assume directorship of the department.

The Department of Biostatistics is by far the largest of its kind in the world, both in the size of its faculty and the number of students. More persons have been trained there at the master's and doctoral levels during the past five years than in any other institution offering programs in the areas of biometry, biostatistics, biomathematics or biological statistics.

The new chairman graduated from Kentucky's Berea College with a major in agriculture and received his master's degree in animal science from Virginia Polytechnic Institute. While there Dr. Grizzle became interested in genetics and animal breeding. This led him to North Carolina State University where he received a Ph.D. in experimental studies. Concurrently he served as a research assistant in the Biostatistics Department.

In addition to his teaching responsibilities since coming to the School of Public Health in 1956, Dr. Grizzle has served as consultant to investigators at North Carolina Memorial Hospital, directed statistical services for cooperative research groups, and through the support of federal grants has been principal investigator for research in statistical methodology.

His research interests have centered in the areas of collaborative clinical studies in chronic lymphocytic leukemia and chronic granulocytic leukemia, the treatment of the duodenal ulcer, and development of multivariate statistical methods. In 1971 Dr. Grizzle was named statistical coordinator of a nine-year national study of the abnormalities of blood fats. The study was funded by the National Heart and Lung Institute in the National Institutes of Health.

A member of the editorial advisory board for the *Journal of Chronic Diseases*, Dr. Grizzle has also served as associate editor of the *Journal of the American Statistical Association*, consulting editor for *Psychophysiology*, and on the editorial board of the *Journal of the Elisha Mitchell Society*.

Dr. Grizzle is president-elect of the Biometric Society, Eastern North American Region. He has been a member of the Ad Hoc Committee on Use of Enzyme Detergents and the Ad Hoc Committee on Clinical Investigation and Education in Naval Hospitals for the National Research Council, the research arm of the National Academy of Sciences.

LOOKING FORWARD

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and solved by public health workers if health conditions are to improve in this nation. The first of these is the inadequate delivery of health services. The health industry is probably one of the fastest growing and most rapidly changing industries in

the nation but one with a terrible record of non-performance. More money is being spent on health care in this nation than anywhere else with less and less to show for it. This points to the need for a serious over-haul of the fragmented system of health services delivery. In this connection the recipient of health care must and will play an increasing role in determining what services are rendered, who delivers them, how and where they are rendered, and how well they meet the consumers' needs. The method of payment will probably take some form of health insurance. This fact alone means that local health departments must undergo tremendous change in the near future. We also must be prepared to help train non-physician personnel, such as family nurse practitioners and non-medical administrators to meet the shortage of manpower.

The second major problem is the matter of population growth and distribution. There is not a single difficulty facing the American public today which is not aggravated and made harder to solve because of population growth. These problems include not only health but also education, welfare, housing, transportation, the environment, employment and other economic issues. Our School must take the lead in seeking solution to family planning and population problems.

The third great problem of our time is that of environmental deterioration, a problem aggravated by population growth. Technology and carelessness have been our chief culprits in this rape of our environment. The community approach is absolutely essential for the solution to environmental problems, and thus the solution is true public health in its purest form.

The growing burdens of mental illness, drugs, and alcoholism make up our fourth major national health problem. The general, more pervasive feeling of apathy and depression experienced by so many about the state of the world must also be included here. We have been guilty of neglect in looking for causes, methods of prevention, and effective treatment.

Trying to get from one place to another in this country without sacrificing life or health is the fifth major problem facing Americans. Ralph Nader has focused our attention on the automobile and its safety. The field of public health must learn to concentrate on the nature of the roads themselves and on the characteristics of drivers. Social epidemiology has a tremendous contribution to make in this area of concern.

In seeking solutions, certain issues involving the human element are becoming more and more apparent. These issues center upon the quality of life of all people and include among other things the need for human dignity, for active citizen participation in community affairs, and for maximum development of the individual's potential.

How will these problems affect the School of Public Health? What impact will the public health professionals have upon the solutions? These questions are still to be answered.

Included in our plans for the future of the School are the reactivation of an undergraduate program in public health, expanded service to North Carolina and the region through the Division of Community Health Services, an increased emphasis upon continuing education, and area health education centers away from Chapel Hill. We hope to create a dialogue between alumni and the School via the reactivation of the alumni association and the newsletter, so that the School can benefit from the many contributions of alumni.

I earnestly seek your guidance and counsel in determining the future of our School to the end that we may prepare the kind of practitioner needed to aid communities in seeking creative solutions to the health problems of the future.

B.G. Greenberg, Dean

FACULTY NEWS



Biostatistics

Dr. Elizabeth Coulter was promoted to the rank of professor in September, 1972. Dr. Coulter completed the term of office of vice president of the North Carolina Public Health Association upon resignation of the elected representative. She attended the meeting in Wilmington, N.C. where she delivered a paper entitled "Follow-up Study of Infants Born Out of Wedlock in North Carolina".

Dr. P.K. Sen attended a meeting of the Institute of Mathematical Statistics in Hanover, New Hampshire where he presented his paper on "Weak Convergence of Generalized U-Statistics". During the period February through June 1972, Dr. Sen was guest lecturer at the Mathematical Institute, Oberwafach, Germany; Department of Statistics, Charles University, Prague, Czechoslovakia; Hungarian Academy of Science; and the Indian Statistical Institute, Calcutta, India. Lecture topics included: "Weak Convergence of Non-Linear Statistics", "Weak Convergence of U-Statistics and Rank Order Statistics", "Limiting Behavior of Sample Quantiles"; and "Weak Convergence of Non-Parametric Statistics." As principal investigator, Dr. Sen is collaborating with S.K. Chatterjee to develop statistical procedures for various multivariate models without assuming the underlying distributions to be specified or to be multinormal.

The new resident advisor, POPLAB Developmental Office, to the Centro de Investigaciones en Metodos Estadisticas para Demografia (CIMED) in Bogota, Colombia is Professor Roe Goodman. He was previously associated with several agencies of the United Nations and with the U.S. Bureau of Census.

Professor Ralph Thomlinson is the new resident advisor to the Centre de recherche et d'etudes demographiques (CERED) in Rabat, Morocco. He began his duties in September after leaving a position in the Department of Sociology at California State College in Los Angeles.

Several conferences on projects of the International Program of Laboratories for Population Statistics were held in Chapel Hill during 1972. These included conferences on the Colombian, Moroccan, and Philippine projects. Participants included representatives of the government, directors of the national statistics department, outside consultants, and persons from the Carolina Population Center and the Department of Biostatistics. The overall

POPLAB program and the specific work of the Colombian, Philippine, and Moroccan units were discussed.

The Population Association of America meeting held this year in Toronto, Canada in April was attended by Dr. Joan W. Lingner, Ms. Eliska Chanlett, and Edward N. Meldahl of the International Program of Laboratories for Population Statistics (POPLAB).

Environmental Sciences and Engineering

During the past year, Dr. Lyman A. Ripperton was promoted to professor of air chemistry and Dr. J. Donald Johnson to professor of environmental chemistry. Dr. Ripperton's primary teaching and research responsibilities are in the air and industrial hygiene program area. During the 1970-71 academic year Dr. Johnson was guest lecturer in the Department of Analytical Chemistry at the University of Gothenburg, Gothenburg, Sweden.

The National Symposium on Costs of Water Pollution Control was held in Raleigh, North Carolina in April, 1972. The conference was sponsored by UNC at Chapel Hill, N.C. State University, Duke University, the Environmental Protection Agency, the American Society of Civil Engineers, the American Water Resources Association, the Universities Council on Water Resources and the Water Pollution Control Federation. F. Eugene McJunkin, associate professor in the Department and associate director of the UNC Water Resources Research Institute, was program coordinator.

Dr. Donald A. Francisco was appointed deputy director of the UNC Wastewater Research Center in February, 1972. Facilities are available at the Center for bench and pilot scale studies as well as prototype studies with full scale units. The UNC Wastewater Research Center is one of the pioneer programs combining teaching and research, while performing an important service to the region and the state of North Carolina.

Guatemalan Rivers 1969-70, the third and final volume of the series, "Water Quality Investigations, Guatemala" has now been published. Dr. Charles M. Weiss is the author.

Dr. Morris A. Shiffman is project director of a research project for "The Development and Evaluation of Measures to Reduce Food Waste Caused by Intestinal Diseases." The project is sponsored by the Agency for International Development through a contract with the Department. Faculty from the Departments of Parasitology and Laboratory Practice and

Biostatistics are also participants. Dr. Carl Anderson of the School of Medicine is co-director. The objective for the project is to perform experimental field studies in Guatemala to assess the effects of various environmental control measures on gastro-intestinal disease.

During the past year members of the faculty helped to organize and participated in several environmental science oriented activities planned for the area high school student. On Environmental Careers Day, sponsored by the U.S. Environmental Protection Agency, Dr. Alvin G. Turner and Mr. Lawrence D. Kornreich provided high school students from the area with information about possible careers in environmental protection and related fields. Under the direction of Dr. Frederic K. Pfaender the advanced science class of Chapel Hill High School received five hours of instruction a week for three weeks in an environmental science program. Other faculty members taking part in the program were Dr. Donald A. Francisco, Dr. Linda N. Little, Dr. Charles M. Weiss, Dr. Alvin G. Turner, Dr. Donald G. Willhoit, Dr. J. Donald Johnson, and Dr. Harvey Jefferies.

In response to requests a series of four seminars on solid waste were held in the School of Public Health during March and April. The purpose was to provide a comprehensive introduction to the subject, including types of problems involved, their scope, technological methods for solution, and approaches for systemic management of activities in this field. Professors Emil T. Chanlett and K. Sherwani were among those leading the seminar.

During spring break 1972, Dr. Daniel A. Okun traveled to Singapore to represent the National Academy of Sciences as a panel member in a Regional Workshop on Water Resources Environment and National Development. The seminar attracted officials and scientists from eleven countries in addition to those from the United States. On completion of the seminar Dr. Okun traveled to Taipei, Taiwan where he had the opportunity to meet with alumni and friends of the department.

Testimony in support of Amendment 410 to Senate Bill 1478 which would set Federal standards for public water supplies and promote research, development and training in the water supply field was presented by Dr. Okun before the Subcommittee on the Environment of the Senate Committee on Safe Drinking Water. Dr. Okun's testimony was followed by that of Mr. Ralph Nader who

vigorously supported the legislation, noting that for the first time in recent history Congress is addressing itself to the problem of the Nation's drinking water, a problem that affects more than 160 million Americans.

Several members of the ESE faculty played a prominent role in the North Carolina Public Health Association meeting in October. Dr. Okun and Professor Emil Chanlett addressed the general sessions of the association. Dr. Okun delivered the keynote address entitled, "Environmental Hazards: Fact and Hoax". Mr. Chanlett spoke at the second general session on the topic, "The Public Health Profession and Environmental Protection".

Dr. H.G. Baity, professor emeritus, was presented the first J.M. Jarrett award by the Environmental Health Section of NCPHA. This award may go to any person or organization in North Carolina, governmental or private, who significantly contributes toward making the environment man's ally and not his enemy. Dr. Baity received the honor for his major contribution toward the improvement and control of man's environment and participation in community activities.

Professor Chanlett is the author of a new book, *Environmental Protection*, to be published by McGraw-Hill Publishing Company in early 1973.

On June 30, 1972, Dr. Stanley J. Weidenkopf retired from the Department. Dr. Weidenkopf has been professor of sanitary engineering since joining the faculty in 1965 upon retiring from the United States Army. Positions held by Dr. Weidenkopf during his Army career include: assistant professor at the United States Military Academy at West Point, chief sanitary engineer of the Far East Command, chief sanitary engineer of the European region, and chief of the Army Sanitary Engineering Research. Dr. Weidenkopf holds a B.S. in civil engineering, University of Wisconsin; M.P.H. in public health engineering, University of Minnesota; and a Dr. of engineering, Johns Hopkins University.



Vice Chancellor Sheps and Dean Greenberg at Mayes reception. (see story page 2)

awarded Dr. A.W. Voors, M.D., Dr.P.H., the 1972 Physician's Recognition Award. He also received this award in 1969. In February, 1972, he attended the National Research Council Workshop on Geochemistry and Health in Monterey, California where he presented a paper entitled "Lithium Effects of Cholesterolized Roosters". The objective of his research is to observe cholesterol levels in cholesterolized roosters given moderate amounts of lithium. Some lowering was noted; in addition, however, the incidence of Mark's disease increased in the lithium fed roosters. R.L. Reddick and G.C. Koch are co-investigators of this project.

Dr. H.A. Tyroler attended the Second International Congress on Hypertension in Milan, Italy in September, 1972, where he presented a paper, "One Year Follow-Up of the Evans County Obese Hypertensive Weight Reduction Experiment". Written in collaboration with S. Heyden, this paper will be published in *Clinical Science*. Dr. Tyroler also attended the meeting of the German Society of Gastroenterology and the American Heart Association Convention. He will be principle investigator in the Environmental Epidemiology Training Program. Other areas of research involvement include the Lipoprotein Research Centers Program, the rubber project and the National Blood Pressure Intervention Program.

During the latter part of July and early August, Dr. Ralph Patrick was a participant in the Inter-Regional Seminar on the Considerations of Human Ecology in Environmental Health Programs in Geneva, Switzerland. His presentation was entitled "Socio-Cultural Efforts for Change". Two of Dr. Patrick's articles were published in *Human Organization*, Vol. 21, No. 2, Summer, 1972.

Dr. John Cassel attended the American Medical Association Congress in Los Angeles held in April, 1972, at which time he delivered an address on "Health Consequences of Population Density and Crowding". The research project entitled "The Effects of Cultural Change on Blood Pressure and Health Disease" proposes to test specific hypotheses derived from a general theory that rapid social and cultural change determines a rise in the level of blood pressure and in the prevalence of coronary heart disease. Dr. Cassel is principle investigator and Dr. Patrick co-investigator.

Dr. Caroline Becker returned to the School August 1, 1972 after an eight months leave of absence for independent work in Guatemala. While there she studied utilization patterns of health posts and health centers and health services utilization of families in five communities.

Dr. Berton H. Kaplan contributed a chapter to the book *Psychiatric Sociology* by Roman and Trice. The chapter is entitled "Psychiatric Sociology: Social Factors and Working Through". Dr. Kaplan is co-investigator of a research project on social factors and stroke to which Dr. Albert Heyman is principal investigator. This is a case control study.

The journal, *Medical Care* (November-December, 1972), published an article entitled "The Automation of Clinical Records: An Overview with Special Emphasis on Automation of Office Records in the Primary Medical Care Setting" by Dr. Frank Cordle. Dr. Cordle is involved in two new research projects. The first is with Dr. Edward Wagner and uses Mayo Clinic medical records to identify and quantify prognostic variables for developing computerized prognostic models. Drs. Cordle, A.W. Voors, Felix Gruber and Mr. James Murrell are collaborating on a research project to develop a computerized information system from all the medical examiner's records for use in various epidemiology studies.

Dr. Michel A. Ibrahim received the Physician's Recognition Award from the American Medical Association in August, 1972. His article, "Venereal Disease Today", was published in *OB/GYN Digest*, Volume 14, April 1972. Dr. Ibrahim, Dr. Cassel, Dr. Carolyn Williams and Mrs. Sue Wolf are conducting a study of the clinical competence of the family nurse practitioner. This project is aimed at the evaluation of the decision-making and management processes of the family nurse practitioner within practice settings. The indicator conditions chosen include upper respiratory infections, dia-

Epidemiology

Edward Wagner, M.D., was promoted to the rank of assistant professor effective September, 1972. Dr. Wagner's current research project is a study of health center experiences as predictors of appointment keeping. Dr. Michel Ibrahim is co-investigator. Dr. Wagner attended a meeting of the American Society for Clinical Investigation.

The American Medical Association

betes, hypertension, and well-baby care.

Dr. Carolyn Williams attended the Oklahoma State Nurses Association meeting where she described the family nurse practitioner program at UNC—Chapel Hill. As a participant in a workshop for supervising nurses sponsored by the Michigan Department of Public Health, she delivered a paper entitled "Planning in Community Health Nursing". During October Dr. Williams was a short term consultant for the Pan American Sanitary Bureau of the World Health Organization in Chile, South America. Her paper "Evaluating a School Health Program Focused on High Absence Pupils: A Research Design" was published in the January, 1972 issue of *The American Journal of Public Health*.

In May, 1972 Dr. Barbara S. Hulka attended the Society for Epidemiologic Research where she presented a paper entitled "Herpes Virus Antibodies and Cancer: A Community Based Historical Prospective Study". Dr. Hulka is a member of the executive committee of this society. The grant with the National Cancer Institute to study antibodies and cervical cancer, of which Dr. Hulka is principal investigator, was terminated April 30, 1972 upon completion of the serum inventory analysis as a part of the Evans County, Georgia cardiovascular study. Co-investigators of the study were Dr. Khairia Omran, Dr. Andre Nahmias, and Dr. Curtis Hames.

The American Journal of Public Health, Vol. 62, No. 9, September, 1972 carried a book review by Dr. Hulka of *Family Planning and Abortion in the Socialist Countries of Central and Eastern Europe* by Henry P. David. The July-August issue of *Medical Care* contained an article written by Dr. Hulka entitled "Determinants of Physician Utilization: Approach to a Service-Oriented Classification of Symptoms".

Dr. Cecil Slome has completed a report to Mahidol University in Bangkok, Thailand on their rural training health center. The report is designed to facilitate the development of the center for the training of public health students. Dr. Slome, Dr. Donna Brogan, and Ms. Sandra Eyres are developing a guided learning manual to provide a self-guided learning experience for introductory epidemiology. The Study of the Student Health Service, prediction of dropouts of Schools of Nursing, and study of medication problems in the emergency room are research projects upon which he is collaborating.

Dr. Joan Cornoni was elected chairman of the Statistics and Epidemiology

Section of the North Carolina Public Health Association. Dr. Cornoni is the faculty member who coordinates the new training program on alcohol research.

Dr. David Kleinbaum has completed a survey on minority students at UNC on behalf of the Chancellor's Committee on the Status of Minorities and the Disadvantaged. The purpose of the survey was to uncover and document the areas of discontent and the attitudes and problems in order to recommend meaningful changes in the University to improve the life of these students. Dr. Kleinbaum has also organized a weekly volleyball game for the students and faculty at the School of Public Health.

Health Administration

Dr. John Gentry represented the School of Public Health at the first HEW Region IV Conference on Emergency Medical Services in May, 1972. Dr. Gentry was speaker at a meeting of local health officers on current developments in public health of the Indiana State Board of Health in Indianapolis, Indiana.

Dr. Moye Freymann traveled to England and Iran in the spring. He met with the International Planned Parenthood Federation in England and with the Ministry of Health officials in Iran.

Appointed as convener of the Thailand Study Group of the Carolina Population Center, Dr. Arnold Kaluzny visited Bangkok and Pakistan in the spring. In this role he will coordinate all population

related activities of the Center that deal with Thailand, including an evaluation of field workers in Thai family planning programs.

A joint project with several members of the Cornell University faculty on "Innovation and Change in Health Care Organizations" was held. Dr. Arnold Kaluzny presented a paper reviewing and assessing the empirical work in medical and health care innovation at the meeting at Cornell University in September.

Delta Omega national officers and delegates met in Chapel Hill in June to reorganize the honorary public health society and to discuss future directions for the organization. Dr. Kaluzny is secretary for the national organization.

Dr. Kaluzny with Ms. Jane B. Sprague, Dr. Gentry and Dr. James E. Veney are continuing their investigation of innovation and organizational change in hospitals and health departments in the United States. "Innovation in the Health System: A Selective Review of System Characteristics and Empirical Research" was the title of the paper presented by Dr. Kaluzny at the National Institutes of Health Conference on Medical Innovations recently held at Cornell University. He and Professor Veney also made a presentation on "Health Administration: A Study in Role Conflict" at the American Sociological Association meeting in New Orleans in the fall.

The WHO Division of Environmental Health has commissioned Dr. Morris Schaefer to prepare a textbook for pub-



Chancellor and Mrs. Ferebee Taylor congratulate Dr. and Mrs. Mayes (see story page 2)

lication. Tentatively titled *Administration for Environmental Health Programs: A Systems Approach*, the deadline for the final draft is February, 1973.

Ted Trainer has completed a four month consultation assignment with the United Nations Family Planning Agency. His services included staff assistance to the UNFPA Advisory Board Subcommittee headed by the secretary general of the Swedish International Development Authority and management consultation to include examination of the administration relations between UNFPA and its parent organization in order to improve collaboration, study of the UNFPA project proposal review process to make it more systematic, and preparation of an article on the recently completed UNFPA reorganization.

The first National Family Planning Forum convened in Chapel Hill for the purpose of setting up a formal organizational structure. Dr. Thomas L. Hall, deputy director of the Carolina Population Center, was the coordinator. Directors of family planning agencies throughout the nation attended. As a member of the National Family Planning Forum, he attended a meeting of the forum in Los Angeles and a meeting of the training committee on Manpower Training and Development and participated in a Family Health Inc. Workshop in Management of Family Planning Programs, in New Orleans.

Dr. Hall completed the family planning manpower component of the Region IV (DHEW) 3 year plan for extension of family planning service. This was prepared under contract with the Center for Family Planning Program Development in collaboration with others.

Dr. William Flash presented a paper, "Health Services and the Rights of Americans", at the annual meeting of the Indiana Public Health Association in Indianapolis.

A seminar, jointly sponsored by the UNC Department of Community Psychiatry and the Mental Health Department of the School of Public Health and the State Board of Health, was presented by Dr. Sagar Jain in June. Designed for mental health directors, the week long seminar was held at Pisgah Ranch in Candler.

Dr. John Hughes attended a conference of Head Start personnel with state dental directors for HEW Region IV in Atlanta and a meeting in San Francisco of the American Board of Dental Public Health, the American Association of Public Health Dentistry, and the American Dental Association.

Dr. Hughes was elected to membership on the American Board of Dental Public Health. Membership on this Board, which has only five members and one member-elect, represents the highest honor attainable in the professional field of dental public health. His research interests include the dental health needs of North Carolina school children and studies in the effects of fluoride in the prevention of dental disease.

Dr. Harry Phillips spoke on "Patient Discharge Planning: The Problem and the Need" at the Conference on Nursing Administration Organization in Raleigh, N.C. Dr. Phillips is chairman of the American Association for Comprehensive Health Planning committee on educational training.

Dr. Charles Harper, associate dean, presented the findings of a study of North Carolina's eighty local health departments at the North Carolina Public Health Association meeting in October. Health professional judges were asked to rank the health departments according to their relative effectiveness. Forty-three were listed as one of the ten least effective. Some of the identified factors which contributed to the ratings were low per capita income, part-time health directors, and general inability to attract and support the desired quality and quantity of health manpower.

Professor Lydia Holley was president of the North Carolina Public Health Association for the 1971-72 year. In the presidential address delivered at the annual meeting she commented on the efforts of the association to be involved in more of the state's health problems by determining what the public health needs are in the state and then by trying to meet these needs. Ms. Holley pointed out that public health workers have "knowledge of community health problems, the extent and characteristics of these problems, the community in which they exist, the impact on people in a widening circle that accompanies almost every public health problem, the possible resources, and most importantly, we know who cares about the problem."

The Department announces the resignation of two faculty members, Ms. Janice Westaby and Ms. Sarah Davenport. Professor Westaby has moved to her new home on Kerr Lake to work on writing and research. Professor Davenport has taken a position with Central Virginia Community College, Lynchburg, Virginia as assistant professor and director of the medical records training program.

Professors William Flash and Dirk

Spruyt, who are both on one year's leave of absence for work with field agencies, held a joint seminar for students and faculty to discuss their experiences since leaving Chapel Hill. After spending the summer in Santa Fe, New Mexico, Dr. Flash is working with the Indian Health Service in Rockville, Maryland. Dr. Spruyt is with the Office of Evaluation, Health Services and Mental Health Administration also in Rockville.

Health Education

Dr. Guy Steuart presented the program for the Health Education Section of the North Carolina Public Health Association in October. The focus of the session was the ecology of health behavior and its practical relevance. Dr. Steuart has also served as consultant to the alcohol and drug rehabilitation program in South Carolina and attended a meeting of the newly organized South Carolina Association of Health Educators.

Maternal & Child Health

Dr. Zvi Shamir, head of the Maternal and Child Health Unit, Department of Social Medicine and senior lecturer in Pediatrics at the Hadassah Medical School, Hebrew University, Jerusalem, was a visiting professor in the Department from February 1 to April 30, 1972. His participation in several courses in the Department and in the Department of Nutrition and his involvement as an advisor to individual students and to the faculty on planning and development made an excellent contribution to the teaching program.

On July 1, 1972 Ms. Lynn Knauff and Dr. Robert Greenberg were promoted to the rank of assistant professor.

Dr. Earl Siegel returned to Chapel Hill on February 1, 1972 after an absence of 8 months during which time he visited several international settings. In June and July of 1971 he was a consultant to the Department of Maternal and Child Health, Faculty of Public Health, Mahidol University, Thailand. Dr. Siegel was a visiting professor in the Department of Social Medicine, Hebrew University, Hadassah Medical School, August 1 through December 31, 1971. During this period he assisted in the teaching of maternal and child health, population and family planning. Opportunity also was afforded for extensive study of the teaching and research programs in the Department of Social Medicine as well as health services in Israel. The major focus of

attention was child rearing and education in the kibbutz. Dr. Siegel visited Iran in December as a representative of the Carolina Population Center. While there, he developed an understanding of the rapidly growing maternal and child health and family planning programs, interviewed potential students, and explored avenues of collaboration between the University of North Carolina and educational institutions in Teheran, Shiraz, and Isfahan. Dr. Siegel's final month before returning was devoted to the study of relevant maternal and child health research and programming at the World Health Organization in Geneva and to the review of health and social service systems in Sweden.

Dr. Margaret Dolan, current President of the APHA, has requested that Dr. Arden Miller continue to serve as chairman of the Action Board. In that capacity last year Dr. Miller chaired a task force to study the OEO supported comprehensive health center at Mound Bayou, Mississippi. The study was occasioned by the governor's veto of the grant renewal. The report of the task force was released to the public at the APHA meeting in Atlantic City on November 13th. The report emphasizes the many accomplishments of the health center and urges its continuation with long-term funding. The report identifies a number of problems in the organization and administration of the health center and attributes these problems to situational difficulties which are shared by nearly all comprehensive health centers that operate as demonstration projects on behalf of select populations. Such projects have great difficulty in establishing long-term working relationships with local institutions and mechanisms of government. Mound Bayou is in no way an exception. The report urges that the nation reexamine its approaches to improving essential services to poor people in the belief that present national commitments are inadequate.

During 1972 Dr. Miller visited the United Arab Republic on two different occasions to assist with the preparation of a national health plan that might be funded by the World Bank. In August Dr. Miller reviewed with various agencies of government the maternal and child health components of the national health structure. The interest of the World Bank centers on mechanisms by which this structure can accommodate a greater emphasis on family planning. In early December Dr. Miller returned to Egypt as a member of the World Bank appraisal team to review the proposals and report on their suitability for funding.

A study by a research team headed by

Dr. Richard Udry was made of the effect of mass media advertising on the use of contraceptives and family planning clinics. A six month, multi-media campaign funded by the Department of Health, Education and Welfare was conducted in four cities in the United States using two sets of messages. The ads ran on radio and television, in regional editions of "Life" and "Look" magazines, and in local newspapers. All were paid for at regular commercial rates. During the first few months there was an increase in new patients at the family planning clinics in the four cities; during the later months there was a decrease in new patients. There was no measurable effect on sales of prescription and non-prescription contraceptives.

A major departmental activity this spring was a faculty retreat held May 30-31, 1972 at the Carolina Inn to consider critical issues facing the Department. Prior to the retreat, working papers were prepared by Task Forces on the following topics: (1) Education Philosophy, (2) Written Report, (3) Continuing Education, (4) Field Training, (5) Chancellor's Report on the Role of the School of Public Health, (6) Student Recruitment and Selection, and (7) Administration and Governance. The retreat was attended by regular faculty in Maternal and Child Health and adjunct faculty members. Three former students and a representative from the current MCH class also participated. The products of this conference will form the basis for departmental policy and program development in the future.



Mental Health

"Socio-Cultural Factors in Physical and Mental Breakdown" is the title of the presentation made by Dr. Dorothea S. Leighton. This paper was presented at the symposium on Man-Environment Relations and Health at the 139th meeting of the American Association for the Advancement of Science, December 30, 1972 in Washington, D.C.

Dr. Leighton will be retiring as chairman of the Department of Mental Health. A committee has been selected to choose her successor and is currently interviewing prospective candidates for the position.



Nutrition

Dr. John Anderson attended the International Conference on Production Disease held in Reading, England and the Second International Conference on

Strontium Metabolism in Glasgow, Scotland during the summer of 1972. The conference proceedings contained several papers by Dr. Anderson.



Parasitology

Dr. John Larsh was executive director of the Third International Conference in Trichinellosis which was held November 2-4, 1972 in Miami Beach. Dr. Norman Weatherly also attended this meeting. Following this conference Dr. Elmer F. Chaffee, Dr. Robert B. Watson, Dr. Larsh, and Dr. James R. Hendricks attended the annual meeting of the American Society of Tropical Medicine and Hygiene.

Dr. Larsh was also a member of the site visit team which reviewed medical research and training in Pakistan, India, and Malaysia for the International Centers Committee, National Institutes of Health. He is also chairman of the Tropical Medicine and Parasitology Study Section of the National Institutes.

Dr. Robert B. Watson was appointed the official representative of the American Society of Tropical Medicine and Hygiene to the joint meetings of European Societies of Tropical Medicine in Lisbon, Portugal scheduled for the spring, 1973.

Dr. Norman F. Weatherly was promoted to the rank of professor on July 1, 1972. UNC at Chapel Hill is currently involved in a self-study in preparation for accreditation by Southern Association of Colleges and Schools. Dr. Weatherly is chairman of the Self-Study Committee for the School of Public Health. As chairman he is responsible for compiling the report to be submitted to Chancellor Taylor.

The Department has sponsored a number of short courses this year in cooperation with the Center for Disease Control and the North Carolina State Board of Health.



Public Health Nursing

On December 4-8, 1972 the third of a four-phase North Carolina Public Health Nursing Supervisory Training Program was held at the School of Public Health. This session focused on the administrative aspects of supervision and was taught by Dr. Marie L. Lowe, assistant professor, and Mrs. Estelle Fulp, nursing consultant, North Carolina State Board of Health.

Margaret Dolan was featured speaker for the fall program of the Beta Epsilon and Alpha Alpha Chapter of Sigma Theta Tau held in Chapel Hill. The title of Mrs. Dolan's address was "The Future of Health Care Systems".

CONFERENCES & WORKSHOPS

Continuing Education and Field Services and the departments of the School of Public Health announce the short courses which are scheduled to be presented during the remainder of the academic year. These are offered in cooperation with various agencies and organizations. If you have suggestions for other courses which you feel would benefit health professionals, please send these to Continuing Education and Field Services.

PRINCIPLES OF PUBLIC HEALTH LAW AND LEGAL TOOLS FOR EFFECTIVE HEALTH ADMINISTRATION February 20-23, 1973

This workshop will include basic legal information affecting public health delivery. The course can accommodate 75 public health workers.

Course director: Elizabeth Holley
N.C. State Board of Health
Raleigh, North Carolina

MATERNAL AND CHILD HEALTH FAMILY PLANNING AND HANDICAPPED CHILDREN'S REGIONAL CONFERENCE March 11-14, 1973

This conference is open to Family Planning and Crippled Children's service directors and their staffs. An attendance of approximately fifty is anticipated to include representatives from the states in HEW Region IV and a selected group of graduates outside the Region. Emphasis will be placed on the interests of program administrators with opportunities for interaction between several MCH program areas. There will be opportunity for specialty groups to discuss program implications of the material covered in plenary-type sessions.

For additional information contact:

Dr. Earl Siegel, Chairman
Maternal and Child Health
School of Public Health
University of North Carolina
Chapel Hill, N.C. 27514

SOCIAL WORK: INNOVATION OR SYNCOPATION? April 9-14, 1973

Social workers from Regions III, IV, and VI who are employed in Maternal and Child Health Programs will be the participants. The course is the fifth in a planned sequence for the purpose of presenting new knowledge and sharing experiences from the field.

Inquiries should be made to:

Miss Geraldine Gourley
Department of Maternal and Child Health
School of Public Health
Chapel Hill, N.C. 27514

LABORATORY METHODS IN ENTERIC BACTERIOLOGY May 14-18, 1973

The course is open to 20-24 medical bacteriologists and instructors in the content area. Instruction will include lectures, demonstrations, audio-visual materials, and lab exercises for methods of isolation and identification of Enterobacteriaceae from clinical material.

Course director: Mrs. Edna Knott
Parasitology and Lab Practice
School of Public Health
Chapel Hill, N.C. 27514

STATISTICAL METHODS IN PUBLIC HEALTH

May 15-24, 1973

An introductory course in the basic application of modern statistical principles and methods, the course is designed to provide a working knowledge of elementary statistical tools. Primary emphasis is given to descriptive statistics and the basic ideas of estimation and hypothesis testing. Participants will include state, local, and other workers in the fields of vital health and general statistics. Students should have a working knowledge of high school algebra and some experience with statistical data. The faculty will include Drs. Roy R. Kuebler and Michael J. Symons.

Interested individuals should write to:

Applied Statistics Training Institute
Office of State Services
National Center for Health Statistics
P.O. Box 12214
Research Triangle Park, N.C. 27709

LABORATORY DIAGNOSIS OF MALARIA

June 11-15, 1973

Ten to 24 clinical laboratorians and instructors in medical parasitology will be participants. The format of the course will include lectures, demonstrations, audiovisual materials, and laboratory exercises for the preparation of blood films and the correct diagnosis of malaria parasites.

Inquiries should be made to:

Mrs. Edna Knott
Parasitology and Lab Practice
School of Public Health
Chapel Hill, N.C. 27514

PHILIPPINE ALUMNI ASSOCIATION

Graduates of the University of North Carolina in the Philippines, the majority of whom are in the field of public health, organized themselves to form the UNC Alumni Association of the Philippines. Beginning with a membership of ten in Manila in 1959, the UNCAAP has grown to its present membership of forty. Dr. Milagros de Guzman, MPH, HADM, 1948, is current president and Mrs. Leonor J. Zamora, MPH, HEED, 1956, is secretary-treasurer.

The Association is proud of the achievements of its members. A few of the many who have distinguished themselves in their chosen line of specialization and their present positions of responsibility are:

1. Eng. Benedicto Adan (MPH, ESE, 1952)
Consultant, Western Pacific Regional Office
2. Dr. Conrada Batenga (MPH, HADM, 1950)
Provincial Health Officer, Philippine Department of Health
3. Engr. Benito Bernardo (MPH, ESE, 1949)
International Atomic Energy Commission
4. Dr. Ricardo Climaco (MPH, HADM, 1956)
Regional Health Director, Philippine Department of Health
5. Dr. Milagros S. de Guzman, (MPH, HADM, 1948)
Project Officer, Philippine Population Commission
6. Dr. Reynaldo Lesaca (MPH, ESE, 1948)
Commissioner, Philippine Commission on Air and Water Pollution
7. Dr. Teodora V. Tiglaio (MPH, HEED, 1949)
World Health Organization, Geneva, Switzerland
8. Dr. Augusto Uyenco (MPH, HADM, 1955)
Regional Health Director, Philippine Department of Health

DOLAN 98th

PRESIDENT OF APHA

Margaret B. Dolan, R.N., M.A., professor and head of the Department of Public Health Nursing, UNC, School of Public Health, was installed as the 98th president of the American Public Health Association at the Governing Council session on November 15, 1972 at the 100th Annual Meeting. Mrs. Dolan is the fourth woman and the second nurse to serve in that capacity. She is the second faculty member of our School to hold this honor, the first having been Dr. Milton J. Rosenau, the School's first dean.

A member of the UNC faculty since 1950 and chairman of the Department since 1959, Mrs. Dolan is a graduate of Anderson College. Her nursing education was acquired at Georgetown University School of Nursing. She also holds a B.S.P.H.N. degree from UNC, a M.A. degree from Columbia, and an honorary doctorate from Duke University.

Her outstanding career in nursing is reflected in the honors Mrs. Dolan has received and the offices she has held. She is a member of Sigma Theta Tau, Delta Omega, honorary public health society, and Kappa Delta Pi, honorary education fraternity. In 1962 she received the John Carroll Award from Georgetown University Alumni Association and in 1968 the Pearl McIver Award of the American Nurses Association.

Mrs. Dolan's major contributions to professional organizations are exemplified in the offices she has held. She has served as chairman of the executive board and president of the National Health Council, president of the American Nurses Association and the American Journal of Nursing Company, and as a member of the board of directors of the National and North Carolina Tuberculosis Associations and of the National Assembly for Social Policy and Development. In addition, she has been a member of boards and committees of many other health, educational, and social welfare organizations and committees.

Active in the Association for more than twenty-five years, Mrs. Dolan is a member and former chairman of the Public Health Nursing Section of APHA, former Governing Council member, and 1971 member of the Executive Board. She has served as chairman of the Subcommittee on Educational Qualifications and Functions for Public Health Nurses of the Committee on Professional Education and as a member of the Committee on Public Policy.

In early November a reception was held at the Morehead Planetarium in Chapel Hill to honor Mrs. Dolan. Her portrait was commissioned by the Friends of Margaret Dolan Committee and made possible by contributions of friends, colleagues, and former students. Painted by the New York artist C.L. MacNelly, the portrait was presented to the University to be hung in the Health Sciences Library. The idea for this honor was conceived by the members of District 11, North Carolina Nurses Association.

In assuming the top national post, Mrs. Dolan pointed out that more and more Americans are falling victim to an upside down value system that puts fatty foods, fast cars and cigarettes ahead of good sense and good health. Correcting this warped system of values is the biggest task facing the public health industry today. Mrs. Dolan believes that it is imperative



Mrs. Dolan honored at reception. Portrait presented to Health Sciences Library.

that Americans have some sort of national health insurance very soon and hopes that it will focus as much on prevention of illness as on curing of disease. In her opinion the greatest problem in health care delivery is not really a doctor shortage, but the inappropriate use of the health manpower we have. Family nurse practitioners, physician associates, family health workers, and many other new kinds of specialists need to be trained to render health care where doctors will not go.

MILIO TO DELIVER FOARD LECTURE

The fifth annual Fred T. Foard, Jr., Lecture will be held at the School of Public Health on April 16, 1973 at 3:00 p.m.

Dr. Nancy Milio, R.N., Ph.D., will be the featured speaker. Dr. Milio holds a B.S. in nursing and a M.S. in sociology from Wayne State University and a Ph.D. from Yale University. She is adjunct professor at Boston University, College of Nursing.

From 1964 until 1968 Nancy Milio worked as a community health nurse for the Detroit Visiting Nurses in Detroit's Lower Southeast Side Ghetto to successfully begin a program in community health services. The service was a "ghetto-based neighborhood center for health and day care" which was run by and for the people of the ghetto. Her book, *9226 KERCHEVAL: THE STOREFRONT THAT DID NOT BURN*, tells the story of this center. Persons interested in community development will be fascinated by this story.

Since receiving her Ph.D., she has served as research associate at the University of Michigan in the College of Architecture and Design and completed a study tour of India, Japan, Soviet Union, England, and other countries.

The Foard Lecture Series honoring the late Dr. Foard was established in 1968 as a memorial to his distinguished career as a public health practitioner. Among the many achievements under his leadership was the pioneer development and improvement of organized public health services in Alaska, Hawaii, and the western areas of the United States. He was responsible for bringing about major improvements in health services for the American Indians and for the transfer of the entire Indian Health Program from the Department of the Interior to the United States Public Health Service.

Alumni and other public health workers are cordially invited to attend the lecture.



Dr. Larsh and Polish scientist share research ideas.

RESEARCH BRINGS LARSH HONOR

Dr. John E. Larsh, associate dean of academic affairs and professor and head of the Department of Parasitology and Laboratory Practice, has been elected president of the International Commission on Trichinellosis. The Commission on Trichinellosis (trichinosis) has members from twenty-three different countries throughout the world, where trichinosis is an important medical and public health problem. Dr. Larsh was elected in 1969 to the seven member Executive Committee of the Commission, which has members from Rumania, Poland, West Germany, Russia, and the United States, and was executive director of the Third International Conference on Trichinellosis which was held in Miami Beach in November. The first two conferences were held in Poland.

Dr. Larsh first began his research on the small parasitic worm which causes trichinosis in man and many other animals nearly thirty years ago in 1943. This research has led him to the conclusion that the way is now open for the testing of a vaccine that could one day control this disease which can cause sterility in women, congestive heart failure, and many other less severe diseases that resemble encephalitis, muscular dystrophy and meningitis.

In the experimental studies with laboratory mice, Dr. Larsh and the other investigators have found that the mice develop a strong immunity both after infection from the worms and after vaccination. There is good evidence that the mice develop an abnormal sensitivity to some chemical in the worms, then a chemical change takes place within the mice which drives the worms out. The ultimate goal of the project is to understand exactly how mice develop this immunity to trichinosis.

Knowing this, Dr. Larsh feels that in all probability a vaccine can be developed for use in swine and thereby control the disease in man. This knowledge may also lead to protection against other parasites in man such as snail fever, which affects millions of persons.

Despite the striking reduction in trichinosis in swine because of federal legislation, Dr. Larsh estimates that more than 100,000 infected animals reach the market each year. Not limited to the United States, the problem of trichinosis became so acute around the world that in 1958 The Inter-

national Commission on Trichinellosis was organized to focus world attention on the problem.

One of the countries which has made great strides in eliminating the trichinosis problem is Poland. A Polish scientist, Dr. M. Stankiewicz, who visited Dr. Larsh in Chapel Hill reported that all swine products must be tested under a microscope in Poland. Although this is a very expensive procedure, governmental inspection of all pork in Poland has greatly reduced the problem there. Dr. Stankiewicz reported that a vaccine would be a far more practical approach, and thus his interest in the research conducted by Dr. Larsh.

An approach that holds some promise in Poland is the exposure of all pork to irradiation procedures which would kill the worms. This has not yet been done.

The Polish scientist is on a ten month research tour of the United States, funded by the World Health Organization. A faculty member at the University of Warsaw, Dr. Stankiewicz visited the University of Iowa and the Center for Disease Control in Atlanta before coming to Chapel Hill.

Dr. Larsh has published extensively on his research findings in experimental trichinosis with emphasis on immunity aspects and has published two review articles in this field in the international journal, *ADVANCES IN PARASITOLOGY*. He has been active in the American Society of Tropical Medicine and Hygiene in which he has held the offices of secretary-treasurer, member of the council, vice-president, and president. Dr. Larsh is now serving for the second year as chairman of the Tropical Medicine and Parasitology Study Section, National Institutes of Health. In February, he was a member of the International Centers Committee of NIH which made site visits to Pakistan, India, and Malaysia to review International Centers for Medical Research and Training.

ALBERT HUGHES BRYAN 1904 - 1972

Dr. Albert Hughes Bryan, professor emeritus of public health nutrition and chairman of the Department of Public Health Nutrition from 1946 until his retirement in 1969, died of a heart attack on February 21, 1972 at the age of 67 after a brief illness.

Professor Bryan was certified both in internal medicine and preventive medicine and public health. During World War II he was chief of the Nutrition Branch of the Health Division in the United Nations Rehabilitation and Relief Administration. He established the Department of Public Health Nutrition at the University of North Carolina in October, 1946 with the support of a grant from the General Education Board of the Rockefeller Foundation.

For more than two decades he was looked upon as the dean among the faculties of graduate programs in public health nutrition. His department trained over a hundred persons who have become leaders in public health nutrition.

Dr. Bryan was gifted in teaching and in research. His work on social factors in the nutrition of children is a classic in the field.

By nature, Hughes Bryan was a modest man who shunned the spotlight and sought peaceful surroundings to enable him to achieve excellence in all his pursuits. He was a kind, genial person, a gentleman, and a scholar.

AWARDS TO FACULTY AND ALUMNI

North Carolina's preventive dental education program received the American Dental Association's top national award for excellence at the Association's annual meeting in San Francisco. The first award of its kind ever made by the society, a \$1000 prize accompanied the honor. The award program is supported by a grant from the Johnson and Johnson Company.

Dr. Ernest A. Pearson, director of the Dental Health Division, N.C. State Board of Health was awarded the preventive education prize for the North Carolina program that promoted community and school fluoridation, brush-ins, continuing education and similar projects through a state-wide cooperative effort by the N.C. State Board of Health, N.C. Dental Society, UNC School of Dentistry and community colleges offering dental courses.

Graduates of the School of Public Health who have been actively involved in this program include: Dr. E.A. Pearson, Dr. George Dudley, Charles Bruce Hawkins and George Van Mohr from the Department of Health Administration, and Emma Carr Bivins, Becky S. Bowden, and Marilyn Faigenblum from the Department of Health Education.

Dr. Daniel A. Okun, an outspoken critic of environmental abuse and one of the nation's foremost ecologists, was honored October 10, 1972 in Atlanta with a special award from the American Academy of Environmental Engineers. Dr. Okun received the coveted Gordon M. Fair Award at the annual meeting of the Water Pollution Control Federation. The honor was presented for his "achievements in leadership, research, and management which deserves the highest recognition by his peers." Dr. Okun served as president of the Academy in 1970.

Dr. Charles R. O'Melia was awarded the 1972 Distinguished Teacher Award by the Association of Environmental Engineering Professors. The \$1000 award is given by the Association to a teacher for his contributions in research and teaching.

O'Melia, professor of environmental sciences and engineering, is a specialist in water chemistry and water treatment processes. He is a two-time winner of the UNC Department of Environmental Sciences and Engineering's Best Lecturer Award. This honor is given annually to a faculty member who the students feel has succeeded in making the subject matter interesting, instilling in the students interest for the subject, and establishing student-teacher dialogue. A graduate of Manhattan College and the University of Michigan, O'Melia joined the UNC faculty in 1966.

The centennial awards made by the American Public Health Association were presented to several University of North Carolina faculty and alumni.

The Public Health Nursing Section honored Mrs. Margaret Dolan, professor and chairman of the Department of Public Health Nursing for her leadership and service in public health

nursing and in general health care. This includes work as the past president of the National Health Council, an organization coordinating the efforts of national voluntary and professional health associations; presidential advisor in health manpower under Presidents Kennedy and Johnson; and member of the Health Insurance Advisory Council. She has served as president of the American Nurse's Association and the American Journal of Nursing Company.

UNC psychiatrist, Dr. William G. Hollister was honored for outstanding contributions to mental health. Dr. Hollister was recognized by his colleagues for his work in parent education and clinic development and services in state mental health programs. The citation acknowledged his pioneering work at the National Institute of Mental Health as national school mental health consultant and later as chief of the Community Research and Services Branch, and for his efforts in North Carolina as an educator in mental health leadership. In response to the award, Hollister addressed the Mental Health Section on "Whatever Became of the Iceberg?" This was an allegorical review of the failure of many mental health centers to include an adequate prevention program as a part of their community services. Dr. Hollister is now professor and director of the Community Psychiatry Division, Department of Psychiatry at the UNC School of Medicine.

The Public Health Education Section presented two centennial awards, one to Dr. Lucy S. Morgan, professor emeritus of the Department of Health Education, and the other to Ms. Mary Jo Kraft, alumna of the School of Public Health, Department of Health Education.

The award was given to Dr. Morgan for her outstanding contributions to public health in community health education. A national and international health education consultant from the early 1940's into the 1960's, Dr. Morgan was founder of the Department of Health Education in 1942 and was professor and chairman of the Department until 1966. The recipient of many notable awards, Dr. Morgan received the North Carolina Public Health Association's Watson S. Rankin Award in 1969, the Society of Public Health Educators Citation in 1963, and the Elizabeth S. Prentiss National Award in Health Education in 1956. Earlier this year she received the Chi Omega North Carolina Distinguished Service Award. As a consultant, Dr. Morgan served with the United States Public Health Service, the World Health Organization, and national voluntary health agencies. A prolific author, Dr. Morgan has contributed scores of articles for publication in many scholarly and scientific journals.

Ms. Mary Jo Kraft, MPH graduate from the Department of Health Education in 1944, was presented the other centennial award for her outstanding contribution to public health in community health education. Ms. Kraft began her career in public health education in Oklahoma where she was employed on the county and then on the state level. She moved from this position to Washington, D.C. where she was chief of health education with the U.S. Public Health Service and was involved in planning and implementation of the mass tuberculosis case-finding program. The Public Health Service assigned Ms. Kraft to Latin America during the 1950's to be consultant in their international program. From 1958 until retirement in 1971 she was chief of health education with the Agency for International Development and the Office of International Health, USPHS.

Class of 1947

Annie Ray Moore, HEED, retired this fall as program planner for the Governor's Council on Aging after a lifetime career with county, state and federal government agencies and WHO. She accepted an assignment for the fall with WHO in Geneva and New Delhi.

Class of 1948

Health Education alumni who were elected officers in the North Carolina Public Health Association are Ms. Nettie Day, 1948, Governor's Council on Aging, secretary; Dr. Ralph Boatman, 1947, administrative dean, Office of Allied Health Sciences, UNC, treasurer; and Becky S. Bowden, 1956, coordinator of community and school fluoridation programs, Dental Health Division, N.C. State Board of Health, member-at-large to the Governing Council.

Class of 1952

Pat Accardi, HEED, has recently moved from State Board of Health, Nashville, Tennessee to accept a position as project coordinator, National Center for Voluntary Action, Washington, D.C.

Class of 1954

Donald R. Dancy, HEED, has been appointed director of East Carolina's academic program in health education. The health education curriculum was developed by the School of Allied Health and Social Professions and is designed to prepare students for careers in community health agencies. He has been employed in alcoholism rehabilitation programs in Asheville and Greenville, N.C. and Charleston, W. Va.

Dr. Benjamin Gundelfinger, HADM, was assigned for duty in October, 1972, to U.S. Naval Medical Research Unit No. 2, Taipei, Republic of China, where he will be engaged in epidemiologic research on infectious diseases in the Far East.

Harry Smith, Jr., BIOS, graduate of N.C. State University with a minor in public health at UNC, has had an in-and-out career with the Department serving as instructor and assistant professor, 1953-55, and deputy chairman, 1966-70, after eleven years in industrial engineering at Proctor and Gamble. He is now dean of the School of Management at Rensselaer Polytechnic Institute.

Dr. R.J. Walker, Jr., HADM, holds the position of district director of the Mason-Bibb County Health Department in Macon, Georgia.

THE LAST WE HEARD

ALUMNI NEWS

Class of 1955

Kenneth Gutterman, ESE, is working with the Pesticides Enforcement Division of the Environmental Protection Agency in Washington.

Ahmed Elbadawi Ebada Sarhan, BIOS, is dean of the Institute of Statistical Studies and Research, Cairo University, Cairo, Egypt. Dr. Sarhan has collaborated with the Department in conducting research with Dr. Greenberg and in sending talented Egyptian students to study here.

Class of 1956

Yvonne B. Jones, NUTR, writes that she is nutrition chairman on the executive board of the New Jersey Public Health Association.

Dr. Raphael Salmon, ESE, is chairman of the Department of Urban Studies and Community Development at Rutgers University, specializing in urban health services. This year he is on leave of absence to work with HEW as director of Health and Rehabilitation Policy Analysis and Planning. In this capacity he deals directly with national programming. He and his family spent the summer in Israel, where he was consultant with The University of the Negev. The University is attempting to integrate community services, medical

training, and process evaluation in their program for medical education.

Dr. R.F. Sontag, HADM, is medical assistant to the Director, State of Illinois, Department of Public Health.

Zuhair M. Tarabulsi, BIOS, is statistician, WHO EURO Region stationed in Algeria.

Class of 1957

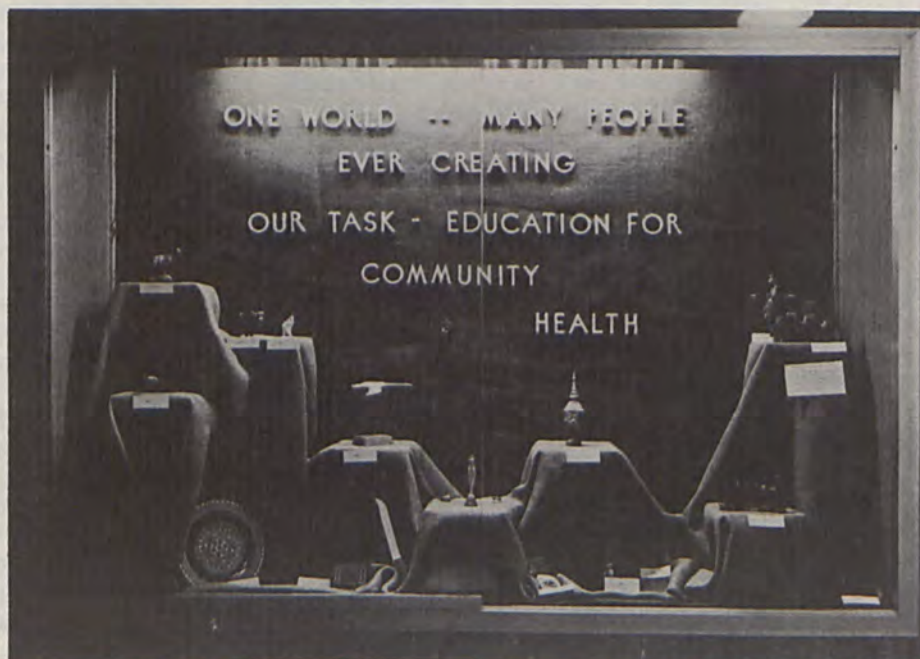
Dr. Miguel B. Asis, MCH, is director of the Maternal and Child Health Department in the Ministry of Public Health, San Jose, Costa Rica.

Laura P. Lu, HEED, writes that she is still chief of the Health Education Division, Taiwan Provincial Health Department. In the past 9 years they have added many health educators to their staff — 9 with MPH, and CPH/DPH degrees and 19 trained in Hawaii and at other universities.

Class of 1958

Dr. Donald J. Davids, BIOS, is chief, Records and Statistics Section, State of Colorado Department of Health.

The Dental Health Division, North Carolina State Board of Health was awarded a grant of \$121,450 by the Appalachian Regional Council to extend



First exhibit from the International Crafts Collection presented to the School by Dr. Lucy Morgan and Dr. Eunice Tyler who have moved into their new home near Asheville. In June many academic colleagues, friends and former students arranged a banquet in their honor.

January 1973

the preventive dentistry program to 10 mountain counties in North Carolina. According to Dr. E.A. Pearson, HADM, director of the division, the grant will supply 80 percent of the cost of water fluoridation in twenty municipalities in a ten county area. It will also supply funds for equipment and supplies needed to install 60 fluoride feeders in rural school water systems.

Class of 1959

Dr. Walter D. Athens, HADM, writes of his plans to retire as assistant director, Tulsa City-County Health Department in the coming year. His plans for extensive travel across the country in an Air-Stream trailer sound very exciting and will surely bring him close to UNC.

Class of 1960

On December 1, 1972, the Sidney S. Chipman Award for outstanding professional accomplishment in the maternal and child health was given to Dr. Sarah T. Morrow, MCH. Dr. Morrow is health director, Guilford County Health Department, Greensboro, N.C. The award was presented by Dr. Earl Siegel, chairman of the Maternal and Child Health Department at a special ceremony held at the home of Ms. Geraldine Gourley.

Akbar Moarefi, HEED, is health education specialist with WHO in Geneva. During a recent tour of duty he visited Korea, Japan and the Philippines.

Class of 1961

Mabel S. Johansson, PHNU, is director of the Nursing Division of the Palm Beach County Health Department.

Elmer G. Renegar, Jr., HEED, is now chief of Community Relations and Education, Indian Health Service, Gallup Indian Medical Center.

Class of 1962

Janet E. Burke, HEED, is chief, Section of Health Education, Minnesota State Department of Health.

Dr. Scottie Byerly, HEED, who resigned from the Health Administration faculty several years ago to move to Montana, was recently elected to the governing board of the Central Mountain Hospital. She is the first woman to be elected to this board.

George Dudney, HADM, assistant director of the Dental Health Division of the N.C. State Board of Health, was elected president-elect of the North Carolina Public Health Association.

Dr. Hans J. Rittner, HADM, is director of the Tri-County Suffolk Health District in Virginia.

Class of 1963

Anna Barker, BIOS, has recently joined the staff of the Research Evaluation Center, Community Council of Atlanta Area, Inc.

Dr. Khatib M. Hassanein, BIOS, was appointed chairman, Department of Biometry, University of Kansas Medical Center, Kansas City, effective May 1, 1972.

Dr. E. Charlton Prather, EPID, is chief, Bureau of Preventable Diseases, Department of Health and Rehabilitative Services, Florida Division of Health.

Class of 1964

Wade W. Burgess, HEED, is now health director for Hertford-Gates District, Health Department. Prior to accepting this position he was administrator of medical outpatient clinics at Duke Medical Center.

Dr. J. Earl Williams, EPID, is chairman, Department of Community Dentistry, Medical College of Georgia at Augusta.

Class of 1965

Donald W. Baehm, HADM, was promoted to position of chief medical care administrator in the Bureau of Medicaid, New York State Department of Health, June 1972. He served as associate medical care administrator in the same bureau since 1967.

Virginia L. Wang, HEED, is associate professor, Cooperative Extension Service, University of Maryland. Dr. Wang is also a member of the Board of Trustees for SOPHE.

Class of 1966

Dr. Verna Barefoot, MCH, health director, Craven County Health Department, New Bern, N.C., accepted the Group Merit Award for the Craven County Health Department at the North Carolina Public Health Association meeting in October. The entire staff of the health department was cited for their innovative public health program. Dr. Barefoot is a newly elected member-at-large of the Governing Council of NCPHA.

A letter from Dr. Abdel-Latif A. Abul-El, BIOS, describes the development in the Statistics Department at Kuwait University. This year, a two-year graduate program in applied statistics leading to a diploma in the field was instituted. It is the second program in statistics in the Middle East, the first being that of the Statistics Institute in Cairo. Forty-two students were admitted this

year. 1973 will see the beginning of two new six-week training programs, one in Health and Educational Statistics and the other in Labor and Economic Statistics. These programs will be open to interested persons from all the countries of the Arabian Gulf.

Dr. Shih-ching Huang, BIOS, is biostatistician and vice director of the Latung Poh AI Hospital, Taiwan, Republic of China.

Kenneth O. Paisley, HADM, has taken a position as consultant to the Comprehensive Health Planning Agency in the New Jersey State Department of Health.

Class of 1967

John Dunning, HADM, is administrator for three sections in the Personal Health Division of the North Carolina State Board of Health — Child Health, Maternal Health, and Developmental Disabilities. His job is purely administrative in nature and includes the responsibilities of office manager, budgetary consultant, and writer.

Dr. William Jasper, HADM, and his family are now in Jerusalem, Israel where he is setting up a Department of Public Health Dentistry at the Dental School, Hadassah School of Dental Medicine, Hebrew University, and teaching in the Department of Social Medicine. He represented the Israel Association at the International Dental Federation, European Regional Organization in Göteborg, Sweden.

Anne McDonough, NUTR is now nutritionist in a Children and Youth Project in Trinidad, Colorado.

Robert F. Peoples, ESE, was certified a Diplomate in 1971 by the Environmental Engineering Intersociety Board/American Society of Environmental Engineers. The certification program represents the first program in this country for specialty engineering certification beyond state registration requirements and attests to the competence of persons in different areas of environmental engineering. Mr. Peoples is now associated with Roy F. Weston, Environmental Scientists and Engineers, Westchester, Pa.

Corinna Sutton, PALP, is training officer, N.C. State Board of Health. In this capacity she worked closely with Dr. Ed McGavran to develop the 1971-72 short courses in Principles of Public Health Practice for public health workers in North Carolina. Dr. Sutton is secretary-treasurer for Southern Branch APHA.

Class of 1968

Elizabeth Berryhill, HEED, has been appointed assistant professor of nursing and research associate with the Carolina Population Center. Ms. Berryhill served as coordinator and health education consultant with the N.C. State Board of Health, Greenville Region from 1968 to 1972.

Clifford Fields, HEED, has been named health director for the Rutherford-Polk District and McDowell County, North Carolina. A native of West Virginia, Fields has served as coordinator for the Regional Alcoholism Program with the W. Va. Department of Mental Health.

Garland Pendergraph, PALP, has recently moved from East Carolina University, Greenville, N.C. to Western Carolina University at Cullowee.

Dr. P. Aarne Vesilind, ESE, was the recipient of the Collingwood Prize awarded by the American Society of Civil Engineers in October, 1971. The prize was given for his paper "Estimation of Sludge Centrifuge Performance", *Journal of the Sanitary Engineering Division*, June 1970. Dr. Vesilind is now an assistant professor in the Department of Civil Engineering at Duke University.

Class of 1969

Dr. Memah Dukerly, HADM, was deputy director general for research and development of the National Public Health Service in Liberia. When the service was renamed the Ministry of Health and Welfare, he was again commissioned as Assistant Minister of Health and Welfare for Research and Development.

Dr. Donald W. MacCorquodale, HADM, resigned from AID where he was acting assistant director for Health and Public Services to assume the position of associate professor of Comprehensive Medicine at the College of Medicine, University of South Florida in Tampa.

Lt. Col. Henrietta Pfeffer, PHNU, is on leave of absence this year. She and her mother are in Fort Lauderdale, Fla.

Billy M. Sandlin, HADM, is serving as chief of the Migrant Health Branch, Community Health Service HSMHA.

Graduates in other university positions are: Larry Gleason, PALP, 1969, Department of Biology, University of Western Kentucky, Bowling Green, Ky.; David John, PALP, 1970, Department of Microbiology, Medical College of Virginia, Richmond, Va.; Raymond Cypress, PALP, 1971, School of Public Health, University of Pittsburgh, Pittsburgh, Pa.

Darwin Murrell, PALP, is engaged in research at the U.S. Naval Medical Research Institute, Bethesda, Md.

Class of 1970

Janet Brown, HADM, is working as director of social services at the Rehabilitation Institute of Chicago. Her responsibilities include administration and supervision, program planning and implementation.

Larry Burwell, HADM, has taken on the directorship for a town-county mental health system with headquarters in Asheville, North Carolina.

Dr. Ronald Forthofer, BIOS, is assistant professor of biometry at the School of Public Health, University of Texas at Houston.

Karl Shaner, HADM, is now with the Department of Health Care Administration at Trinity University, San Antonio, Texas.

Dr. W. Allen Smith, HADM, recently left his position as director of research and development at the North Carolina Memorial Hospital to join the South Carolina Commission on Higher Education as assistant commissioner for health affairs.

Edith Tannenbaum, MENH, is employed by the New Mexico Regional Medical Program in Albuquerque, New Mexico where she is involved with Project Porvenir, a Model for Rural Health Care Delivery Education. The project, funded by the Bureau of Health Manpower Education through the University of New Mexico School of Medicine will staff rural clinics located in communities of Truchas and Hatch, New Mexico.

Class of 1971

Dr. Firooz Azordegan, BIOS, is assistant professor, School of Public Health and Institute of Public Health Research, Teheran, Iran.

Albert L. Baldwin, HADM, is now chief of the Program Analysis Sub-Unit of the Tuberculosis Branch, State and Community Services Division, Center for Disease Control, Atlanta.

John A. Braun, HADM, has been named chief of the Physicians Assistant Program staff in the NIH Bureau of Health Manpower Education in Bethesda, Md. The program provides funds to medical centers, medical and other schools to train physician's assistants, particularly for underserved areas.

Gerald Cecere, MENH, has moved to a new job in a new agency. He is now executive director of the Waterbury, Connecticut Comprehensive Health Planning "B" agency.

Francine Jupiter, HADM, is head of the social service department at the Community Health Center in Alexandria,

Va. One of her papers has recently been published in the *Journal of Public Health Dentistry*.

Terry Leap, HADM, is in the second year of a three-year Air Force medical service corps active duty program. He works with budget planning and control, management analysis methods improvement, manpower planning, and supervision of medical service accounting. He is stationed at the USAF Hospital, Seymour Johnson AFB, Goldsboro, N.C.

William Schmidt, HADM, has recently begun work with the Cape Fear Health Planning Council, Wilmington, N.C.

Jack W. Swartwood, HADM, now administrative associate, Association of American Medical Colleges, edited the proceedings of a conference on Teaching and Practice of Family Health held in Kampala, Uganda, 1971. He also organized town-regional seminars to be held in Bengazi, Kampapa, Kinchasi, and Accra; the theme: integration of teaching of family health into medical school curricula.

Class of 1972

Stan Hunter, HADM, reports that he is now working as special assistant for training analysis in the office of the Director, North Carolina State Board of Health, Raleigh.

John W. Jordan, HADM, is director of technical assistance, Philadelphia Coordinating Council for Family Planning in Philadelphia.

Jahangir Khan, HADM & HEED, has completed his doctorate and returned to Pakistan to become associate professor in the Department of Sociology at Karachi University.

The executive director of the Triangle Universities Consortium on Air Pollution is Dr. Lawrence D. Kornreich, ESE. As Director of the Chemistry Division of the Air Quality and Water Management Department of Travelers Research Corporation, which was later changed to the Research Corporation of New England, he expanded the scope of his divisions to encompass chemical studies and analysis associated with the company's air, water, and industrial hygiene programs. As executive director of TUCAP, Dr. Kornreich has been responsible for executing and helping to formulate policies and programs initiated by the TUCAP Board in training, and public service activities in air pollution for the state of North Carolina and other southeastern states (EPA Region IV).

McMAHAN APPOINTED DEAN

The appointment effective September 1, 1972 of Dr. Elizabeth Lovell McMahan as dean of the East Tennessee State University's School of Graduate Studies was announced by Dr. D.P. Culp, president of the University. Dr. McMahan, who was professor of health education in the College of Health filled the position formerly held by Dr. Arthur H. De Rosier, Jr., now vice president for administrative affairs.

The ETSU graduate school was organized in 1949 with graduate education formally launched in 1950. The School now offers twenty-seven master's degrees. Last fall the University initiated a doctoral program in educational administration and supervision with the first doctoral degrees conferred at the June, 1972 commencement.

Dr. McMahan taught in the Department of Health Education in the School of Public Health for fifteen years. She is a former director of health education with the North Carolina State Board of Health at Raleigh and health educator and supervisor of health education in Asheville and Chapel Hill, North Carolina.

Dr. McMahan has been consultant to school and community programs at the local, state, national and international levels. She was chairman of the internal committee for the study of the graduate program in health education at the School of Public Health. She has had assignments with the World Health Organization including conferences and consultancies on graduate programs in South America, India, Thailand, and the Philippines.

ALUMNI ASSOCIATION

With a great deal of anticipation, we at the School of Public Health look forward to the reactivation of the Alumni Association. Alumni from around the world have responded to the idea with enthusiasm.

The Association holds within its membership a potentially positive force for significantly shaping the future of the School. The input of the alumni is needed not only to help shape the academic program of the School but also to increase the effectiveness of our service to the field. We would hope that the Association could also plan the alumni meeting and social hour at APHA and perhaps a scientific session in an area of particular interest to alumni.

Current plans include publication of the newsletter, *The Body Politic*, semiannually. We hope to share news of programs and accomplishments of the alumni and to keep you up-to-date on those of the faculty and School, so we ask your cooperation in sending us personal or professional items of interest.

The North Carolina Public Health Fund, Inc., has been established by the School to receive contributions and bequests from alumni and friends. The Fund will be used to support and extend the programs of service, teaching, and research that the School would otherwise be unable to accomplish. It will also be the depository for alumni dues, thus enabling the alumni through the Association to participate in special projects of their choosing.

An alumni day has been planned in conjunction with the Foard Lecture on April 16, 1973. Dr. Nancy Milio, the featured speaker, has an outstanding record of achievement in community development programs. We hope that you will circle this date on your calendar and plan to spend the day at UNC. Current plans include a luncheon for alumni and faculty, the Foard lecture and a reception. You will receive additional information at a later date.

Annual dues for the Alumni Association will be \$5.00. Checks should be made to North Carolina Public Health Fund, Inc. and mailed to Mrs. Harriet H. Barr, Dean's Office, School of Public Health. May I encourage you to join now.

Your support and cooperation are appreciated. We look forward to the continuing and close involvement of alumni in the years ahead.

Harriet Barr, Editor

Newsletter of the UNC School of Public Health

THE BODY POLITIC

The School of Public Health is in the process of updating the alumni addresses and of collecting other information about alumni for the files. Please complete the form and mail it to the address below. Addresses and items of interest about yourself or other alumni will be appreciated.

Name _____	Soc. Sec. No. _____
Home Address _____	Employer _____
Position or Title _____	
Business Address _____	Month & Year _____
What SPH degrees or certificates awarded _____	Date left SPH if no degree _____
Date entered SPH _____	Sex _____ Birthdate _____
Dept. _____	
Items of interest for the newsletter _____	

Alumni Association dues enclosed (\$5.00)

Please make checks payable to the North Carolina Public Health Fund, Inc.

Return to: Mrs. Harriet H. Barr
Director of Public Relations
School of Public Health
Chapel Hill, N.C. 27514

ALUMNI NEWS *Cont. from page 18*

Jane Matthis, HEED, is health education consultant, North Carolina State Board of Health, S.E. Regional Office, Fayetteville, N.C.

The first doctoral candidate in the Department of Mental Health, T.F. Wilson, MENH, has completed his course work and dissertation. He received his degree in December, 1972.

C.L. Townsend, HADM, completed his work in the MPH program in 1972 and is with the Genesee Region Health Planning Council in Rochester, N.Y.

1972 recipients of the Dr.P.H. degree, PALP, have taken the following positions: John Brough, State of West Virginia Laboratories; John Holston, State of Alabama Laboratories; George Lombard, Center for Disease Control, Atlanta; Coy Smith, Department of Community Medicine, University of Kentucky, Lexington, and Ed Williams, State of South Carolina Laboratories.

Four alumni, HADM, doctoral students, have accepted faculty appointments at other schools: Tom Fields at the University of Kentucky Dental School; Karl Shaner, Trinity University Program in Hospital Administration, San Antonio, Texas; Bob Diseker, Bowman Gray School of Medicine, Winston-Salem, N.C.; and Jon Metsch, Baruck College, Mt. Sinai School of Medicine Program in Health Care Administration, New York City.

TROIS E. JOHNSON
1913 - 1972

Dr. Trois E. Johnson, a population expert at the University of North Carolina, died July 21, 1972 following a short illness.

Since 1968 Dr. Johnson had been a member of the School of Public Health faculty and the Carolina Population Center. A former director of the U.S. programs office at the Population Center, Dr. Johnson coordinated family planning research projects taking place in North Carolina and the United States. He was active in family planning teaching programs in the Departments of Maternal Health and Child Health and Health Administration in the School of Public Health.

In delivering the memorial tribute Dr. W. Fred Mayes remembered Dr. Johnson "as a public health professional: replacing ignorance, misunderstanding and apathy with new and useful ideas, challenge and inspiration...as a teacher: with limitless patience, flexibility, empathy, and...as a communicator: with rare sensitivity to the deeply personal needs, ambitions, joys, anxieties, hopes and frustrations of others."

RUTH WARWICK HAY
1896 - 1972

Miss Ruth Warwick Hay, professor emeritus and former head, Department of Public Health Nursing, School of Public Health, University of North Carolina at Chapel Hill died on June 3, 1972 in Denver, Colorado after a long illness.

Dr. Milton J. Rosenau brought Miss Hay to Chapel Hill in 1941 to establish the Department of Public Health Nursing where she remained until her retirement in 1962. Prior to 1941 she had practiced public health nursing in Ohio and California and taught public health nursing at Vanderbilt University, Western Reserve University, and the University of California.

Miss Hay was one of the most beloved professors of the University and the School. She fulfilled the University's mission of teaching to the state, the nation, and the world.

In 1954 former students presented a portrait of Miss Hay to the School of Public Health in appreciation of her many contributions and inspiration to them.

A memorial scholarship fund has been established in her honor. Contributions may be made to the Ruth Hay Memorial Fund, School of Public Health.

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