

The Body Politic

Winter 1990

Move Into New Building Nears

If a poll was taken of the most often asked question in the School of Public Health during the last month, faculty and staff might guess the results. All are asking, "When will the move into the new McGavran - Greenberg Hall and the H. G. Baity Environmental Engineering Laboratory occur?"

According to Dr. Hilton Goulson, the School's special assistant to the dean for facilities planning, the final touches and review of the "punch list" are underway. "Once the list has been reviewed and any corrections made, the buildings will be ready for acceptance by the University. The buildings cannot be occupied until this process is completed."

Goulson is optimistic, however, that the move will take place early in the spring semester. "There is such a shortage of classroom space and faculty and students are so anxious to occupy the new laboratories that we are doing everything possible to facilitate the move," Goulson said.

The approximately 183 offices will be occupied by the Departments of Biostatistics, Environmental Sciences and Engineering, Epidemiology, Nutrition, Health Policy and

Administration and a segment of the Dean's Office. In addition to the offices, there are 53 laboratories and 13 classrooms in the buildings. The microcomputer center currently in Rosenau Hall will be expanded and moved to McGavran-Greenberg Hall.

Although most of the Dean's Office personnel will remain in Rosenau, the offices of alumni affairs and development will share a suite on the fourth floor.

"The move itself is a gigantic undertaking," Goulson said. "Imagine the work involved in placing 14 semi-trailers of furniture in the proper places. Add the transfer of approximately 90 faculty and 70 staff with all their files and office equipment, and you can see what a job we have before us."

The process will involve 361 separate moves. The listing of material to be moved is 115 pages long.

Metric, Inc. of Cary, NC, is general contractor for the buildings. Other contractors include Bolton Electric Company from Durham for electricity, Community Plumbing and Heating Company of Greensboro for plumbing, and Beta Construction Company of Charlotte for mechanical. The architects are FWA Group, formerly Ferebee, Walters and Associates of Charlotte.



H. G. Baity Environmental Engineering Laboratory from Pittsboro Street.



Dean Michel A. Ibrahim stands at the north entrance of McGavran - Greenberg Hall. This entrance faces the campus toward the School of Pharmacy.

Turner Named Hazardous Waste Chairman



UNC Professor Appointed by Governor

Governor Jim Martin has appointed Alvis G. Turner, a School of Public Health hazardous waste expert, as chairman of the newly created NC Hazardous Waste Management Commission.

Turner, a professor in the Department of Environmental Sciences and Engineering, School of Public Health, is an expert in hazardous waste management and risk assessment. The commission will review current and projected hazardous waste generation in North Carolina and will aid in locating, designing, financing, constructing and operating hazardous waste facilities.

In 1985, Turner was appointed as chairman of the technical committee of the state's Hazardous Waste Treatment Commission. The new management commission replaces the treatment commission.

The nine-member commission is charged with determining what type of hazardous waste treatment facility is needed in North Carolina and finding a suitable location for such a facility, Turner said. In addition, the commission would design, construct and operate the facility unless a private company is hired.

The independent commission reports directly to the governor and the legislature.

The governor will have greater responsibility under the new organization, for example, in working with other southeastern states to arrange regional waste management agreements, Turner said.

Working on regional agreements — to prevent redundant facilities from being built in neighboring states and to help make hazardous waste disposal more efficient — will be a significant role of the new commission. One of the first agenda items will be setting a timetable for selecting a site for a state hazardous waste facility.

"I'd like to see us manage our hazardous waste in North Carolina in a safe, approved way, assisting other states and having them assist us," Turner said.

Turner received the B.A. degree in biology and the M.S.P.H. and Ph.D. degrees in environmental sciences from the University of North Carolina at Chapel Hill.

Lynn and Okun Receive Fellowships

The German Marshall Fund has awarded fellowships under the 1989-90 Environmental Fellowship Program to Frances M. Lynn and Melva Okun, Environmental Resource Project (ERP), UNC Institute of Environmental Studies.

Lynn, director of the project, is also research assistant professor, Department of Environmental Sciences and Engineering. Okun coordinates the ERP's Scientists Register and is responsible for designing educational workshops for the project.

Lynn and Okun will share a fellowship. They will spend two to three weeks in Europe, one in Germany and the other in the Netherlands. During their visits they will focus on water quality, waste management (including solid and hazardous waste) and air toxics. In addition, they will learn how European governments and government-funded nonprofit organizations educate citizens about these issues and involve them in working toward a safe, clean and healthy environment for their communities.

The German Marshall Fund awarded a total of seventeen fellowships to government officials, scientists, and non-governmental experts for the year. The Fund stimulates exchanges of practical experience between the United States and European countries on common problems confronting modern industrial societies.

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For More Effective Health Programs

Focus Groups Provide Data

Do focus group interviews enhance collaborative planning for child survival?

This was the emphasis of one project conducted as a part of the African Child Survival Initiative, Combatting Childhood Communicable Diseases. The project operating in ten sub-Saharan African countries was established to determine the most effective ways to increase the chances of survival for infants and children from birth to 4 years of age.

In Togo, West Africa, an important part of health education efforts for child survival is to train mid-level health workers to conduct focus group interviews. These interviews provide qualitative data to complement survey data on maternal practices related to child health. The information is used to design and evaluate health education components for programs of childhood immunizations, the control of diarrheal diseases, and malaria.

In 1986 health workers and Peace Corps volunteers were trained by project staff to conduct 81 focus group interviews of 324 mothers living in nine rural Togolese villages.

According to Dr. Eugenia Eng, assistant professor of health behavior and health education and one of the trainers, the health workers found that the interviews stimulated interaction between themselves and the mothers. "The Focus groups also helped to generate ideas for planning and carrying out a community education 'mini-campaign' in each village," Eng said.

Following the 'mini-campaign', the percentage of children age 12-13 months of age who completed the full vaccination series increased dramatically.

In an article to be published in the *Journal of Health Policy and Planning*, the authors state that the focus group process enhanced the development of community competence, thereby promoting collaborative program planning by the health workers and the target villages. They recommend that child survival projects should consider training mid-level health workers to gather focus group data as an action-research approach to planning, implementing, and evaluating community health education programs.

Co-authors with Dr. Eng are Deborah Glik, assistant professor, Department of Health Promotion and Education, University of South Carolina and Kathleen Parker, health education specialist, International Health Program Office (IHPO) Centers for Disease Control (CDC), and M.P.H. graduate, HBHE 1975.

A second project utilizing focus groups was conducted in Togo to determine why parents "turn away from" or "don't come back to" free childhood immunization services. Using the social science perspective, the researchers exam-

ined the psychosocial, sociocultural, and service delivery factors found in previous studies to influence practices and motivate individuals to seek preventive health care.

First a team of health workers surveyed caretakers of children under 5 years of age to determine practices for prevention and treatment of six childhood diseases preventable by vaccination. Following the survey, focus group interviews were conducted with mothers in Togolese villages to discuss their beliefs, knowledge, social and cultural norms, practices, and experiences with health services that hinder or promote the acceptability of childhood immunization.

Mothers suggested that to increase immunization coverage, health workers should increase the level of social control exerted by decision-makers in their communities and the level of social support provided by members of their kin networks, rather than targeting individual parents with improved messages or memory aids. The health workers who conducted the group sessions believe that the broader socio-behavioral approach may prove even more effective and less complicated than individually targeted strategies.

In addition to Eng and Parker, other participants in this project are Joseph Naimoli, technical officer, IHPO CDC; Gail Naimoli, independent consultant in Bangui, Central African Republic; and Nancy Lowenthal, research assistant, HBHE, UNC SPH.

The persons mentioned in this article, except Deborah Glik, are alumni of the Department of Health Behavior and Health Education, School of Public Health, and former Peace Corps volunteers in Togo.



Dr. Eugenia Eng, Department of Health Behavior and Health Education, discusses the international programs in which she is involved with Mokuba Petlane, HBHE 1988.

NCI Grant to Study Cancer in Blacks

Ways to reduce the higher rates of cancer among black people will be studied by the University of North Carolina Lineberger Cancer Research Center under a five-year, \$1.7 million grant from the National Cancer Institute (NCI).

The grant, one of three awarded by the NCI, will create a UNC Minority Cancer Control Research Program. The program will be directed by School of Public Health faculty, Drs. Victor Schoenbach, Department of Epidemiology, and Victor Strecher, Department of Health Behavior and Health Education. Both are members of the Lineberger Cancer Research Center.

"Researchers at the Lineberger Center are acutely aware that cancer rates among blacks are significantly higher than among whites," said Dr. Joseph Pagano, center director and Lineberger professor of cancer research.

"In fact, over the past several decades, cancer death rates among blacks have increased almost 50 percent compared with 10 percent among whites. We want to know if preventive intervention will help reduce these high death rates."

The program will add minority components to existing projects and stimulate further research by minority investigators and others focusing on cancer prevention in blacks.

Current projects focus on breast cancer screening, smoking cessation and prostate cancer.

"Screening to find early cases, making appropriate changes in lifestyle and personal habits are critical measures for cancer prevention and control," said Dr. Michel A. Ibrahim, dean of the School of Public Health.

"The emphasis on cancer prevention in minority populations will help narrow the gap between cancer frequency in blacks and whites."

The first project, breast cancer screening, is an intervention program to study ways to narrow the racial gap in mammography usage by women in New Hanover County and extends a Lineberger center study funded by the NCI that is already underway. This study is led by Dr. Russell Harris, medicine and epidemiology and Dr. Eugenia Eng, health behavior and health education.

The second project, led by Dr. Sandra Headen, health behavior and health education, is recruiting black smokers for a self-help quit-smoking program called "Quit for Life." The smokers will be recruited from among policy holders with NC Mutual Life Insurance Co. The project also extends an earlier study, led by Dr. Victor Schoenbach, funded by the NCI at the Health Services Research Center and the School of Public Health.

The third project will study the role of lipids in prostate cancer, which afflicts blacks disproportionately and for which effective preventive measures are urgently needed.

This study will be conducted at the UNC Hospitals Urology Clinic and led by Dr. Paul Godley, epidemiology and medicine.

Drs. Dexter Morris, epidemiology, Dana Quade, biostatistics, and Mr. Charles Blackmon, NC Mutual Life Insurance Company are also participating in the studies. Dr. William A. Darity, HBHE 1963 is an expert consultant, and numerous SPH faculty are lending their assistance as advisors.

Community Primary Care Project Funded by Kellogg

A four year project to address the health care needs of Madison County, North Carolina, has been funded by the W. K. Kellogg Foundation. The project is a collaborative effort of the Mountain Area Health Education Center (MAHEC), the Hot Springs Health Program (HSHP) of Madison County, Mars Hill College, Madison County civic leaders, and the University of North Carolina.

The purpose of the project is to provide comprehensive health services and primary prevention programs to rural citizens through a community based health care network which will also serve as a health professions education site.

The project will be developed in stages designed to include community members in assessing the health needs and setting health goals and will determine if these efforts are more successful than non community oriented programs in dealing with the problems. When priority areas for health have been determined, health services and prevention programs will be developed.

"One of our goals in undertaking this project is to learn how to provide more effective and more economical health care to communities," said Suzanne E. Landis, EPID 1986, project director and faculty member of the MAHEC Family Practice Residency Program. "Madison County has some special attributes that allow this kind of work to be done effectively. One of these is the comprehensive health care system, the HSHP, which serves the majority of the people in the county. I believe that will be an asset to the study."

"It will also provide an ideal site for giving students training to be health practitioners a better understanding of the health care problems in rural communities."

The HSHP, a community-owned, non-profit organization, operates four medical centers, three pharmacies, a dental service, and a home health and hospice agency.



From the Desk of the Dean

This has been an incredibly beautiful fall in Chapel Hill. The appearance of McGavran - Greenberg Hall and the Baity Laboratory has been enhanced by the shrubbery and the new grass which frames the buildings with bright green. We anticipate acceptance of the building by the University in December with the long awaited move to occur early in the new year.

Our student body includes 866 graduate students (including enrollment in the off campus degree programs) and 89 undergraduates. The new students represent 38 states and the District of Columbia and 24 foreign countries. The average age for new enrollees is 29, and the female to male ratio is about 2 to 1.

The Summer issue of the newsletter reported the four regional meetings held in North Carolina to discuss the IOM report, *The Future of Public Health*. All recommendations made by the participants in the regional meetings were compiled by the Division of Community Health Service and sent to the participants and to policymakers, legislators and health and human service professionals throughout the state. The recommendations ranged from those that address initiatives for the NC General Assembly in establishing "a definition of 'essential health services' that should be available for all citizens in whatever area of the state they live" to those that address initiatives for local public health agencies in using "a community assessment process that actively involves community residents in arriving at common local public health objectives." It is also recommended that major efforts be initiated to inform local and state legislators, local and state policymakers, private providers and the general public about public health's mission and goals, needs, successes, and new and existing programs.

You will recall that one of the recommendations of the IOM report pertained to the role of schools of public health in assuring the quality of public health practice. As a follow-up of the report, APHA has appointed a task force to examine the position of the association in regard to credentialing of public health workers. As chair of the Committee on Education of the Association of Schools of Public Health, I plan for the committee to consider the issues involved in credentialing public health workers.

The history of the School of Public Health is progressing according to schedule. The book entitled, *Dreaming of a Time*, will describe the first fifty years of our school in text and pictures. The School of Public Health Alumni Association will offer the book for sale by dedication time. Perhaps many of you will want to purchase a copy.

Let me remind you of the two events scheduled in 1990 for our 50th anniversary celebration. The environmental conference will be January 21 to 24, 1990 and the alumni conference and dedication on May 3 and 4, 1990. Both meetings will be in Chapel Hill.

It has been a pleasure to see our alumni at the NCPHA, APHA and other professional meetings. I look forward to visiting with many of you during the special events of the School's 50th year.

Michel A. Ibrahim, M.D., Dean

SPHAA President's Report



Your School of Public Health Alumni Association is having a productive year; let me describe a few of the highlights.

Planning for the annual conference is well underway under the leadership of our Alumni Association Vice President Angie Hemingway. As you know the conference will be held this year on May 3, 1990 as a part of the 50th anniversary of the School of Public Health and in conjunction with the May 4th dedication ceremonies for the new buildings, the Greenberg-McGavran Hall and the Baity Laboratory. The theme: "Bridging the Gap Between Research and Service: Challenges for the 1990's" will feature a keynote speaker and successful examples of translation from research to practice. The Conference Planning Committee sends thanks for all of the excellent suggestions submitted for the technical sessions on the recent survey. These are being used to plan the balance of the conference program. The mood will be festive as we welcome alumni and friends of the School of Public Health back for this 50th anniversary celebration, so don't miss it!

The Spring conference is also the time to bestow honors for outstanding service through several awards. Mary Suther is Awards Committee chair, and she encourages all members of the School of Public Health Alumni Association to

nominate colleagues for the Distinguished Service Award. This award is given to recognize the outstanding contributions of public health professionals.

The Bernard G. Greenberg Endowment Award, made annually to a full-time faculty member for excellence in teaching, research, and service, was established to provide an incentive for outstanding mid-career faculty to remain at the School. Nominations may be made by faculty or alumni. The Alumni Association is very proud of this award which was begun in 1982 to honor Dr. Greenberg. The School of Public Health Alumni Association goal of \$250,000 is very near. At this level the Endowment principal will provide recipients with a cash award of \$3,000 per year for three years.

The Membership Committee, chaired by Jill Moore, urges all alumni who are not members of the SPH Alumni Association to join and regular members to become Life Members. Life Membership is a bargain at \$250 and shows your support for the School of Public Health.

The Fund Raising Committee is offering some special items for sale during the 50th anniversary year. Rudolph Jackson, chair, and a very dedicated committee have commissioned sweatshirts, T-shirts, coffee mugs, (all bearing the anniversary logo) and a historical calendar of the School. A book being published on the history of the School of Public Health is also a highlight of this anniversary year. Look for more about these special items in upcoming mailings.

Finally, a word about the future of your School of Public Health Alumni Association. We are always striving for ways to serve the School and welcome your input and participation. We are currently considering ways that we can provide support for students and for other needs of the School. The future is bright, but your involvement is needed, whether you are an alumnus or a friend of the School of Public Health.

Sally Herndon Malek

President, School of Public Health Alumni Association

ESE Receives Doctoral Education Grant

The Department of Environmental Sciences and Engineering has been awarded a grant from the U. S. Department of Education for support of environmental engineering doctorates under the Graduate Assistance in Areas of National Need Program. The grant, which provides \$101,000 per year for three years, will fund eight fellowships annually to first and second year Ph.D. students beginning in January 1990. In addition to the academic year stipend of \$10,000, the fellowships covers tuition and includes allowances for books, research supplies, and travel to professional meetings. The grant is directed by Dr. Philip C. Singer.

President Honors Top Career Executives



Basil G. Constantelos, director, Waste Management Division, Environmental Protection Agency (EPA), was among those top federal workers honored recently by President Bush as a recipient of the 1989 Distinguished Presidential Rank Awards.

The Distinguished Executive award is the highest honor bestowed in the prestigious Senior Executive Service, with an award of \$20,000.

The 1989 Presidential Rank Awards, presented in Constitution Hall, include 63 "Distinguished" and 286 "Meritorious" award recipients. The awards are presented annually to federal managers for extended exceptional performance in government.

President Bush praised the award winners as "outstanding examples to all of us of what can be accomplished by talented individuals dedicated to serving their fellow Americans. They deserve our respect and gratitude, and I am proud to salute them on a job well done."

Constance Newman, director of the U.S. Office of Personnel Management, commended the senior executives for their devotion to excellence and to the nation.

Mr. Constantelos has been director of the Waste Management Division since its inception in 1982. As director, he manages the largest Regional Division in EPA responsible for implementing the agency's hazardous waste and superfund programs. In 1987, he received a Gold Medal for Exceptional Service for his involvement in obtaining a precedent-setting agreement for the cleanup of the Twin Cities Army Ammunition Plant in Minnesota. This agreement served as the model for federal facility cleanups under the hazardous waste and the superfund laws.

Mr. Constantelos entered Federal Service in 1970, just prior to the formation of EPA. He has worked in the enforcement program, supervising technical case development for violations of the Clean Water Act, and later served as deputy division director of the Air and Hazardous Materials Division.

Born in Cleveland, Ohio, and a resident of Naperville, Illinois, Constantelos received the bachelor's degree from Case Western Reserve University and the M.S.P.H. degree from the University of North Carolina School of Public Health's Department of Environmental Science and Engineering in 1969.

Feeding Practices and Infant Mortality in Developing Nations

Although epidemiology doctoral student Aisha Obad Jumaan has never been to Peru, she knows everything about how Peruvian infants are fed and how often the children there contract diarrhea as correlated with socio-economic and environmental factors.

The statistics she works with were gathered by the Centers for Disease Control in Atlanta and measured "just about everything on earth," says Jumaan, about Peruvian children under five and their environments. Jumaan is most interested in the incidence of childhood diarrhea, a debilitating and often, in such developing countries as Peru, lethal intestinal tract disease that can cause extreme dehydration. From this data she extracts information on some 36,000 children less than one year old who were fed by bottle or breast and analyzes the mortality rates in terms of several "exposure variables."

Beginning with Lima, Peru's capital city, and radiating to urban and then finally to rural areas populated mostly by native Indians, the home environment and characteristics of the mother changed markedly. As might be expected, those mothers living in Lima had higher education and higher income levels, factors that correspond, according to Jumaan, with a lower incidence of infant diarrhea. But children in the city were generally bottle fed, a method that does not protect children as well as breast feeding from infectious diseases. The sanitation of homes in the capital city, however, was better, and the prevalence of noxious bacteria much lower. In rural areas, "all these factors were more or less reversed," according to Jumaan. Mothers there generally had a primary school education at most, and often no formal schooling at all. The environment in which the infants were fed and raised was less sanitary, with many more dirt floors and primitive cooking techniques to be found. "Outside the city," explains Jumaan, "the household usually has no electric light, and cooking fuel is generally wood or kerosene." On the other hand, the children were breast fed, usually the best feeding protection against diarrhea.



Jumaan

Her study found, then, that the region in which the infants lived had a major impact on infant diarrhea, and infant mortality rates. "It is quite fascinating," she says, "to see how much the region has to do with status. When you get away

from the city, ten percent of the women didn't even speak Spanish." There is a convergence of too many negative factors in the outlying areas, from social status to housing and contamination, and it appears the incidence of these factors increases with every mile one gets away from Lima.

Considered the first study emphasizing the "highly correlated" factors affecting infant diarrhea, Jumaan's work will ultimately be used to help teach people in developing nations better sanitation and feeding techniques so that children from all levels of society can have a better life.

-Lisa Blansett

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Public Health Study Commission Established

The 1989 North Carolina General Assembly has established a Public Health Study Commission to study public health services in the state and "to recommend improvements that will assure that North Carolina has cost-effective, uniform and consistently administered public health services."

Senate Bill 231 instructs the 21 member commission to examine "the need for improvement in the statewide public health system through local communities and the need for additional legislation to deal with AIDS" and to "develop legislation to address these needs." The final written report of the commission is due before or at the time of the 1991 Session of the General Assembly.

Appointments to the commission are made by the Speaker of the House of Representatives (7) to include four members of the House, the President Pro Tempore of the Senate (7) to include four members of the Senate, and the Governor (7) all to be nonlegislative members representing the providers and recipients of public health services, county commissioners, and the Secretary, Department of Environment, Health, and Natural Resources.

Dr. Richard House, associate dean and director of the School's Division of Community Health Service, has been appointed to the commission by Henson P. Barnes, President Pro Tempore of the Senate. Mr. Carl Durham, former member of the Board of Health in New Hanover county and past president of the NC Association of Local Boards of Health, has also been appointed.

Conference Identifies Health Threats

The byproducts of modern technology have created new health threats and doctors need to learn how to identify them, said participants of a Public Health Consensus Conference organized to prepare of warning signals of possible environmental contamination.

Dr. Carl Shy, professor of epidemiology, UNC-CH School of Public Health, was a member of the consensus conference panel.

Public health officials have become pretty good at recognizing and preventing traditional forms of disease caused by environmental problems such as fecal contamination of water supplies, cholera, dysentery, and tuberculosis, said John Goldsmith, professor of epidemiology and health services, Ben Gurion University of the Negev in Israel and a participant in the conference.

"But our technology has introduced a whole new range of problems. It has fallen to the public health authorities to be the first line of defense against the problems which technology poses," he said.

The panel developed a list of health problems they believe are indicators of environmental problems such as toxic waste spills. They hope that doctors and health departments will be able to use the criteria to recognize contamination and prompt government leaders to do something about it. The guidelines will be published in medical journals and distributed to health-care professionals across the country.

"The whole idea is to get a better handle on the health problems caused by environmental contamination and be able to do something about it," Dr. Shy said. "A lot of this is so subtle that no one recognizes that environmental factors are contributing to disease."

The goal of the conference was to assist health professionals to recognize the contribution of the environment to health problems.

The group developed a list of "red flag" health problems that, in almost all cases, can be attributed to an environmental problem such as pesticide poisoning or exposure to toxic gas. These include a type of anemia in infants from drinking well water laced with fertilizer and rare forms of cancer of the liver and lining of the abdomen.

A second category, the "pink flags," are clusters of health problems in a community at a higher than normal rate. These include low birth weight, birth defects, spontaneous abortions, chronic respiratory diseases in children, leukemia in children, lung cancer in non-smokers, learning disabilities and acute irritation of the eyes or respiratory system.

The problem, Shy said, is that these health problems are not routinely reported. With the new guidelines, a data base can be developed that will help pinpoint where environmental contamination is affecting health. It is hoped that this

will have some impact on the decision-makers who are managing technology.

The Public Health Consensus Development Conference was funded with a grant from the federal Agency for Toxic Substances and Disease Registry, Centers for Disease Control in Atlanta, GA.

Bangdiwala Receives Fulbright Award

Shrikant I. Bangdiwala has been awarded a four-month Fulbright grant to lecture and collaborate on research at the University of Costa Rica School of Statistics. Bangdiwala, who will be on leave from October 1989 until January 1990, is a research assistant professor of biostatistics.

Bangdiwala joined the faculty of the UNC School of Public Health in 1980, working in the Collaborative Studies Coordinating Center and teaching courses in biostatistics. He has been primarily engaged in clinical trials and epidemiological studies of cardiovascular disease with the Lipids Research Clinics Program and the studies of left ventricular dysfunction. He has served as advisor to several National Institutes of Health and is currently chair of the Safety and Data Monitoring Committee of the Herpetic Eye Disease Study. He is also involved in the development of a model injury surveillance system for North Carolina through the Centers for Disease Control, Injury Prevention Research Center at UNC.

Bangdiwala's extensive international experience includes serving as advisor to the Pan American Health Organization since 1983. He has studied the incidence of childhood injuries in four Latin American countries and is currently undertaking a study of the prevalence of senile dementia in Chile, Argentina and Cuba. He has previously lectured in statistics at the University of Puerto Rico and the University of Sao Paulo, Brazil.

Bangdiwala is one of approximately 1,500 U. S. grantees who will travel abroad during the 1989 - 1990 academic year under the Fulbright Program. The program, administered under the U. S. Information Agency, awards grants to American students, teachers, and scholars to study, teach and conduct research in more than 130 countries around the world and to foreign nationals to engage in similar activities in the United States.

Charlotte Celebrates Forty Years of Fluoride

In May 1949, Charlotte, NC, became the first city in the Southeast and the second largest city in the world to add fluoride to its water system.

Although fluoridation of municipal water systems has been recognized as the most effective measure available for the prevention of dental disease, it has been steeped in controversy since 1945. Over the years it has been attacked as being part of various conspiracies and the cause of numerous ailments.

Charlotte's story began in 1946 with discussions of the Board of Health and later recommendations of endorsements of many professional groups. After a two-year battle during which critics claimed that fluoridation was a "communist plot," city officials staged an elaborate ceremony on April 25, 1949, to begin the fluoridation of water in Charlotte — or so residents thought.

In the days that followed, the complaints mounted: Goldfish were dying. Grass was wilting. Food tasted funny.

Then, in the midst of the furor, officials confessed that the fluoride feeder had not been turned on at all.

"It was a dirty Irish trick," recalls Dr. M. B. Bethel, then health director and now retired and living in Davidson, NC.

Fluoride finally flowed — with fewer complaints — during the first week of May 1949.

The Charlotte Dental Society recently celebrated the 40th anniversary of fluoride in the municipal water supply with a luncheon. Dr. Bethel, HPAA 1941, and former faculty of the School of Public Health, was one of the honored guests.

The luncheon address was presented by Dr. Harold Loe, director, National Institute of Dental Research, Bethesda, MD, and the nation's top ranking dentist. "Before fluoridation," Loe said, "everybody had cavities. Today, 50% of our children up to age 17 have never had a cavity. Never had a filling."

Loe believes that dental health of the masses is a proper matter for government action. "The reduction in cavities in children and young adults amounts to a national savings of approximately \$3 billion a year. We have a level of oral health in the children that is unsurpassed in the world."

There is more to do, Loe said. He is advocating research to find out why 50% of children still develop cavities, despite water fluoridation and more attention focused on adult dental health among those persons over age 40 who did not benefit from fluoridation.

Dr. Robert Rucho, president of the Charlotte Dental Society, presided at the luncheon celebration.

Behringer Chairs National Council



The shortage of primary care physicians is the biggest problem facing many rural and inner-city areas in Virginia and other states according to Bruce Behringer, 1989 chair of the National Health Service Corps (NHSC) National Advisory Council.

Communities are now looking to Behringer and the advisory council for new ways to entice and keep local health care practitioners.

Behringer, a 1978 graduate of the School's Department of Health Behavior and Health Education, is executive director of the Virginia Primary Care Association located in Richmond. He has been working with National Health Service Corps physicians and dentists since 1978.

The NHSC program was established by Congress in 1971 to provide health care personnel to areas of the country that were designated as health manpower shortage areas and to attract physicians to these areas by trading medical tuition costs for rural service after graduation. The NHSC partially repays student loans incurred during medical school as a physician practices in an underserved area. "Community health centers offer a system of care which is accessible by all, regardless of ability to pay," Behringer says. The NHSC health professionals have also been placed with the Indian Health Service.

Many of the 27 community and migrant health centers in the Virginia Primary Care Association's network relied on the National Health Service Corps Program for aid. "As many as 15 percent of their physicians came from the program in the past," Behringer states.

The pressures causing physicians to turn away from less endowed areas occur in medical school. Of the entering medical students who would choose primary care, only a small percentage choose it by the time they get out, Behringer says. "Primary care is just not emphasized in training."

"This is the challenge for the National Advisory Council during this year," stated Behringer. "Our efforts should generate long range recommendations on how to insure that an adequate supply of primary care physicians is trained and willing to serve in inner city and rural practices. This can only be done through the cooperation of many branches of the government, health financing institutions, the health professions training schools and public and private providers of health care throughout the country."

Thank You for Your Support

Total contributions to the School of Public Health through the Carolina Fund during the 1988 - 1989 fund raising year increased by \$95,820 for a total of \$269,820. This amount includes individual and corporate contributions made to the School and the School's departments and curriculum.

It is with sincere gratitude that faculty and staff thank all alumni, friends, foundations and companies who supported the School of Public Health with their gifts. Your generous contributions are a very valuable asset to the School.

The Dean's letter to all alumni this fall listed some of the School's needs. These needs include funds for discretionary uses, scholarships and fellowships, maintenance of our public health buildings, Greenberg Alumni Endowment, and faculty study leaves. As you know, state appropriations are very restrictive. There would be no graduation reception for public health graduates and their guests if this event were not sponsored by the School's Alumni Association through your gifts and dues. And as the new buildings are occupied there will be opportunities to provide specialized and expensive equipment for the new laboratories.

During the celebration of the School's 50th anniversary, we encourage you to double your gift to the School if you are a regular donor. If you haven't supported the School in the past, we suggest that you consider a commitment of \$50.

You may have responded already as the result of a call from a Carolina student during the phonathon or the annual letter from the Dean. Please be sure to designate your gift to the School of Public Health or to any of the subunits of the School or to other needs suggested above — the B. G. Greenberg Alumni Endowment, scholarships, etc. Also, your gifts and dues may be mailed directly to the School of Public Health Alumni Association.

If you or your spouse are employed by a company which matches gifts to educational institutions, your contribution may be doubled or tripled. You may also charge your contribution to your Visa or MasterCard.

Members of the 1988 - 1989 **SPHAA Fund Raising Committee** were Rudolph Jackson, HPAA, chair; Mary Buie, HPAA; Douglas Carver, ENVR; Marion Deerhake, ENVR; Eugene Hines, HPAA; W. Kenneth Poole, BIOS; John Stoner, HBHE; Kathleen Stratman, HBHE; Clara Walters, PHNU; and Harriet Barr, ex officio. It was through their efforts that a very successful raffle was held, T-shirts and sweatshirts designed and sold, and financial support from Burroughs Wellcome and Glaxo secured for the annual conference. Profits from fund raising support projects which benefit the School.

Alumni and friends make many contributions to the School's program. You provide field sites for students and

are their mentors; you participate in courses; you recruit prospective students; you act as advocates for important public health issues and the School; you join and take a active role in the School's Alumni Association; AND you give generously to the School for special projects which leave a lasting legacy for the future.

Foundation and corporate contributors included: Amoco Foundation, Amway Corporation, Baker Company Inc., Burroughs Wellcome, Carver Occupational Health and Safety Service, E.I. DuPont de Nemours, Emmes Corporation, Forma Scientific Inc., Glaxo, ICI Americas Inc., Sandoz Pharmaceutical, Shell Oil Foundation, Syntex Laboratories, Trend Scientific Inc.

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Glaze Heads ESE



Dr. William H. Glaze has been appointed chair of the Department of Environmental Sciences and Engineering at the UNC-CH School of Public Health effective July 1, 1989. He succeeds Dr. Russell F. Christman, chair from 1973-1989, who will remain a professor in the department.

Glaze comes to Chapel Hill from the University of California at Los Angeles, where he was director of the environmental sciences and engineering program and professor in the School of Public Health.

Announcing the appointment Dean Michel A. Ibrahim said, "I am very pleased that we have been able to prevail on such a competent and outstanding leader as Bill Glaze to accept the chairmanship."

"The department has been fortunate to have superb leadership in the past. It has a glorious history and an outstanding faculty with strengths and traditions that must be preserved while at the same time encouraging new directions and growth. I believe that Dr. Glaze understands and respects these traditions while at the same time accepting the challenges to move vigorously into the future."

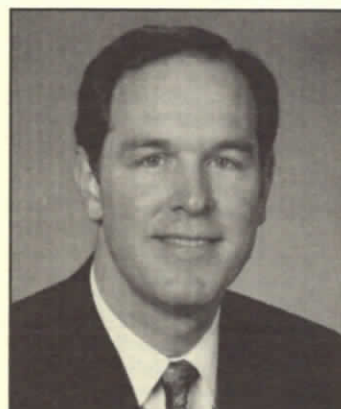
Former positions held by Dr. Glaze include professor and head of the graduate program in environmental sciences and director, Center for Energy and Environmental Studies (1980-1984) at the University of Texas at Dallas. Also he was a faculty member, associate dean of the College of Arts and Sciences, and director of the Institute of Applied Science at North Texas State University from 1961-1980.

Glaze's research has emphasized analytical methods for the measurement of organic compounds in environmental samples, the formation of by-products in water disinfection practices, ozone chemistry in the aqueous phase, and treatment methods for the removal of trace organic compounds from water.

He received the B.S. degree from Southwestern University in 1956 and the M.S. degree in 1958 and the Ph.D. degree in 1961 from the University of Wisconsin, Madison.

Glaze, Joon-Wun Kang and Douglas H. Chapin received the first Harvey M. Rosen Award in 1989 from the International Ozone Association. The award is given for the best paper published in ozone science and engineering between World Congresses. The paper is titled "The Chemistry of Water Treatment Processes Involving Ozone, Hydrogen Peroxide and Ultraviolet Radiation."

Rasberry Named Director



Charles J. Rasberry, Jr. has been appointed director of development for the School of Public Health. Rasberry comes to UNC after serving for seven years as director of development of the North Carolina Symphony.

While at the NC Symphony Rasberry had primary responsibility for annual fund solicitation, sponsored programs, planned and deferred giving, and the Friends organization. In addition, he directed public relations, marketing and volunteer services.

In announcing the appointment Dean Michel A. Ibrahim said, "The School is very fortunate to secure a person with Charles Rasberry's experience and knowledge of North Carolina to head our development efforts. It is extremely important to have a person with his outstanding credentials to assist us in planning for the School's role in the Bicentennial of the University."

Rasberry received the A.B. degree from UNC-CH in 1976 and the Master of Divinity degree from Princeton Theological Seminary in 1980. He was assistant director of development and alumni affairs at Louisburg College (NC) in 1981 and 1982.

International Workshop Celebrates 10th Anniversary

The international workshop on Rapid Methods and Automation in Microbiology will celebrate the 10th anniversary of sponsorship by the Kansas State University Food Science Graduate Program.

The 1990 workshop will be held July 6 through 13 at the university in Manhattan, Kansas.

Daniel Y.C. Fung, professor of animal sciences and industry and food science at Kansas State, is director of the symposium and workshop. Fung received the M.S.P.H. degree from the Department of Environmental Sciences and Engineering, School of Public Health, in 1967.

For additional information about the conference contact: Dr. Daniel Y.C. Fung, 207 Call Hall, KSU, Manhattan, KS 66506.

Rozier Installed as AAPHD President

Dr. R. Gary Rozier has been installed as president of the American Association of Public Health Dentistry during the 52nd meeting of the organization in Hawaii.

Rozier, who joined the faculty of the UNC School of Public Health in 1976, is associate professor and director of the dental health track in the Department of Health Policy and Administration, School of Public Health. He is also associate professor in the Department of Dental Ecology, School of Dentistry and director of the Dental Public Health Residency Training Program, Dental Health Division, NC Department of Environment, Health and Natural Resources.

A graduate of Wake Forest University, Rozier received the D.D.S. degree from the UNC School of Dentistry and the M.P.H. degree from the School of Public Health.

Rozier has served as consultant, investigator and co-investigator for numerous dental health studies. Most recently, he was co-principal investigator for a study evaluating and monitoring the oral health of North Carolina school children and a study examining professional education and patient periodontal health.

Rozier received the 1987 Edward G. McGavran Award for Excellence in Teaching.

David Allison Fraser 1922 - 1989

David Allison Fraser, professor of environmental sciences and engineering, School of Public Health, died Saturday, November 4, 1989 in NC Memorial Hospital after suffering a heart attack.

A native of Philadelphia, Fraser received the B.A. degree from the University of Pennsylvania, the B.S. degree from Xavier University, and the Sc.D. degree from the University of Cincinnati. Prior to joining the faculty at UNC, Fraser was a research chemist in Easton, PA; a toxicology chemist with the U.S. Public Health Service, Washington, DC; and chief of the Aerosol Unit and chief, Biophysics, also with the U.S.P.H. S.

As professor of industrial health and director of the industrial hygiene program at SPH, he served as program director, Occupational Health Training Grant, Occupational Health Studies Group, and Referral Center of Occupational Health and the New Directions Program. He resigned as director of the Occupational Safety and Health Educational Resource Center (NIOSH) in August 1989.

Contributions for the David A. Fraser Scholarship Fund may be sent to the UNC-CH Foundation, Inc., %Dept. of Environmental Sciences and Engineering, SPH, CB#7400, 105 Rosenau Hall, Chapel Hill, NC 27599-7400.

Goulson Named Acting Chair

Dr. Hilton T. Goulson has been appointed acting chair of the Department of Parasitology and Laboratory Practice following the resignation of Dr. J. Richard Seed on July 1, 1989. Seed will remain a professor in the department.

Goulson, who was named professor in 1969, has served also as special assistant to the dean for facilities planning in the School of Public Health since 1988. In that capacity he has had major responsibility for the construction and furnishing of the new McGavran - Greenberg Hall and the Baity Laboratory.

A member of the UNC faculty since 1959, Goulson was coordinator and later program director of the Laboratory Practice Training Program supported by the Centers for Disease Control. He was deputy chair of the department from 1964 until 1989.

In September 1989, North Carolina's Governor James G. Martin presented the Governor's Award for Excellence to Goulson "for outstanding contributions to the people and the State of North Carolina." Goulson was nominated for the award by Dean Michel A. Ibrahim and the University of North Carolina at Chapel Hill.

Goulson received the A.B. degree in biology from Luther College, Decorah, Iowa, and the M.S.P.H. and Ph.D. degrees from the UNC-CH School of Public Health.



Dean Michel Ibrahim presents Governor's award for Excellence to Dr. Goulson in front of McGavran-Greenberg Hall.



From Far and Near

Alumni News

1944

Mary Luvisi, PHNU, has retired and is living in Albuquerque, NM.....**Wilma Bridges Herrin**, PHNU, retired in 1979 after 35 years at the Mecklenburg County (NC) Health Department. She is spending her time travelling, gardening and visiting her son in OH.....**Elizabeth L. McMahan**, HBHE, was named an Honorary Member of the national Society for Public Health Education at the 40th annual meeting in Chicago, IL. Liz joined the Society as a charter member and served as president.

1945

Elta Mae Mast, HBHE & Ph.D. 1966, has moved to Salt Lake City, UT.

1946

Dorothy F. Dunn, HBHE, was honored by the School of Consumer and Family Sciences, Purdue University, with a 1989 outstanding alumnus award. She earned a Ph.D. degree from Purdue in family economics in 1962.

1948

Lovie Beard Shelton, PHNU, retired in April 1988 from the Beaufort County (NC) Health Department where she had worked as a public health nurse and nurse midwife in Beaufort, Martin, Pitt and Craven counties. She is a volunteer at the Zion Shelter and Kitchen for the homeless and the Carolina Organ Procurement Program.....**Edith Gaynor Alston**, PHNU, is retired and living in Portsmouth, VA.

1951

Chris Nutter, HBHE, of Hillsborough, NC, received the Governor's Award for outstanding volunteer service for 35 years in Orange County.

1952

Maxine Easter, PHNU, has retired and is living in Pfafftown, NC.

1954

John M. Hanna, HBHE, recently moved from Baltimore, MD, to Roxboro, NC.

1958

Mary Hopkins, PHNU, is living in Middletown, OH.

1959

Sarah Barnes Keating, PHNU, is professor and chair, Department of Nursing, San Francisco State University. She is co-author of the textbook, *Home Health Care Nursing: Concepts and Practice*, J. B. Lippincott, 1988.

1964

John Key, HBHE, director of Wake AHEC in Raleigh, NC, is making good progress recuperating from a stroke which he had in May 1989. John was recognized recently for 15 years of leadership at the Wake AHEC.....**William A. Darity**, HBHE, retired this spring as dean, School of Health Sciences, University of Massachusetts at Amherst. At the time of his retirement a scholarship was established in his honor. Darity has been reappointed to a second term on the Board of Trustees of the University of North Carolina at Chapel Hill.....**Robert Quillin**, ENVR, has moved to Englewood, CO.

1965

John Bell, ENVR, is now with the Department of Radiological Sciences, University of Las Vegas, NV.....**Richard N. Phillips**, ENVR, has accepted the position of director, Clinical Affairs, Dade Division of Baxter Healthcare Corp. He has responsibility worldwide for medical and clinical field trials for all new Dade diagnostic products and operates from offices located in Miami and Boston in the U.S. and Duedigen, Switzerland. Daughter, Angela, is a graduate of Purdue. Jennifer is attending Butler Univ.; Jocelyn, Indiana Univ.; Jason, Broward College; and Leonard, high school.

1966

Ardith Regdon, HBHE, enrolled in the School of Nursing, St. Francis Hospital, New Castle, PA, in August.....**Lowell Woodward**, HBHE, is now living in Port Arthur, TX.....Recent visitors to **Stacy Covil**, ENVR 1967, in Durham, NC, were classmates, **Sonya Robinson Kolas** and **Margaret Kherlopian**, HBHE 1966. Sonya is living in Beaverton, OR, and Margaret in Columbia, SC.

1968

Following the death of her husband in 1984, **Norma Cherry Frey**, HBHE, has remarried and is living in Covington, GA.....**Edward S. Trainer**, HPAA, has moved to Wilmette, IL.

1969

Mary Susan Templeton, HPAA, has been appointed interim chair, Physical Therapy Department, School of Allied Health Services, East Carolina University, Greenville, NC.....**Gail H. McLean**, HPAA, is now living in Roanoke, VA.....**Frances C. Crutcher**, PHNU, is a district health program manager, Georgia Department of Human Resources, Atlanta.

1970

Marjorie Lund, PHNU, is in Togo, West Africa, on assignment with the Association of Baptists for World Evangelism**Barbara J. Hatcher**, PHNU, is chief of nursing services, Department of Human Services, District of Columbia. In 1986, she was promoted to the rank of Lt. Col. in the Army Nurse Corps reserve unit. Barbara was appointed chair, District of Columbia Board of Nursing and is a doctoral candidate at the George Madison University School of Nursing.....**Ena Zoffoli Palacios**, PHNU, has retired from PAHO/WHO and is living in Brazil. She and her husband are writing a book about a Spanish Jesuit Mission that was located in the southern part of Brazil in the 17th and 18th centuries.....The director of the Orange County Rape Crisis Center, **Mary Ann Chap**, MHCH, says that victims of sexual assault in Orange County are more likely to report the incident than victims in other parts of NC. In a recent article in *The Chapel Hill Newspaper*, Chap said that from 1986 to 1988, 360 sexual assaults were reported to the Center. She believes that this may be the result of the close working relationship between local law enforcement and the Center.

1971

Darlene Meservy, PHNU, is associate professor and director of the occupational health nursing program, University of Utah in Salt Lake City.....**Carol J. R. Hogue**, EPID & Ph.D. 1973, director, Division of Reproductive Health, Center for Chronic Disease Prevention and Health Promotion, CDC, Atlanta, presented a seminar, "Tracking the Tractable: Measuring Our

Progress in Reducing Risk Factors for Infant Mortality." The seminar was sponsored by the UNC Health Services Research Center and the SPH Department of Maternal and Child Health and held in Chapel Hill.

1972

Barbara Ann Hughes, HPAA, former director of nutrition and dietary services, NC Division of Health Services, has been installed as the 1989-91 biennium president of Altrusa International, Inc. The installation was held in the Royal Dublin Society building, Dublin, Ireland in July. Altrusa is an international association of business, executive, and professional persons who volunteer their expertise in projects dedicated to community betterment. Barbara is the recipient of a 1989 Commendation Award from the Association of State and Territorial Public Health Nutrition Directors.....**Moses Carey, Jr.**, HPAA, chair of the Orange County Board of Commissioners, has been appointed to the board of directors of the NC Association of County Commissioners.

1973

Hubert Gautreau, PHNU, is director of an infant survival project with CUSO in Lome-Tokin, Togo, West Africa.....**Mulu Brhan Djote**, PHNU, returned to Ethiopia after graduation. She is currently in charge of the preventive pediatric unit, Ethio-Swedish Children's Hospital, Addis Ababa.

1974

Bill Beery, HPAA, and **Neal Sofian** led the management track of the 1989 North Carolina Wellness Institute, Dec. 6 - 8 at the Governors Inn in the Research Triangle Park. Bill and Neal are with the Center for Health Promotion, Group Health Cooperative of Puget Sound in Seattle, WA.....**Michael Samuels**, HPAA, chair, Department of Health Administration, University of South Carolina School of Public Health, presented a seminar entitled, "Establishing a Research Agenda to Meet the Needs of Rural South Carolina," for the UNC Health Services Research Center.....**Mary Nickolaus Rahjes**, PHNU, is associate professor of occupational health and associate director, Southwest Center for Occupational Health and Safety, University of Texas School of Public Health in Houston.....**Bonnie McClung Fulcher**, PHNU, is the coordinator of public health programs for a 7 county area in WV. She plans to retire this year after 43 years in nursing practice and education.

1975

Joshua Adeniyi, HBHE, assumed the leadership of the African Regional Health Education Center (ARHC), University of Ibadan, Nigeria, on August 1, 1989. The

initial term is for two years with option for renewal. He has been promoted to the rank of reader from that of senior lecturer. The next promotion will be to full professor. In addition, he has been named sub-dean of post graduate studies of the Faculty of Clinical Sciences and Dentistry, Univ. of Ibadan College of Medicine, the first non-M.D. to hold this post.....**William Brieger**, HBHE, has taken a one-year study leave from the ARHC, Univ. of Ibadan, Nigeria, to work toward the Sc.D. degree in international health at The Johns Hopkins University School of Public Health.

1976

William Pugh Brandon, HPAA, of South Orange, NJ, has been promoted to professor of political science at Seton Hall Univ.....**Susan Magee Wendt**, PHNU, is living in Houston, TX, with her husband and two children. She is director of the midwifery section, Department of OB/GYN, Baylor College of Medicine.....**Joanne Tully Cossman**, PHNU, is director of provider services for Community Health Care Plan, a large HMO in southern CT. Joanne wrote the chapter titled "Patient Classification Systems for Home Care" in the recently published book, *Home Health Care Administration*, 1988.....**Mary Jane Pfeifle**, PHNU, is instructor of community health nursing, School of Nursing, Northern Illinois University in De Kalb. She is working with handicapped children in the area as a community service project.

1977

Michael F. Durfee, MHCH, associate professor of pediatrics and medical director of Wake Teens Medical Services published an article in the Spring 1989 National AHEC Bulletin. The article was entitled "AHECs and Adolescent Health Care: Incubating New Ideas for Outpatient Health Care and Teaching." He is a member of the NC Governor's Council on Alcohol and Drug Abuse and in that role has been involved in exploring development of a resource center dedicated to coordinating new initiatives in substance abuse training.....**David Babcock**, ENVR, has accepted a position with Engineering-Science Inc. as a senior project officer in the Syracuse, NY, office.....**Nancy McCharen**, HBHE, has accepted a position with the U.S. Department of State and has been assigned to Bissau.

1978

Barbara Guthrie Ford, NUTR, and her husband, Russell, are living in Hershey, PA. Barbara is assistant professor of medicine, Milton S. Hershey Medical Center and Russell is senior vice president of Harris-town Development Corp.....**Jane L. Lange**, PHNU, is medical review program manager, Arizona Department of Transportation Motor Vehicle Division and lives in

Scottsdale.....**Carolyn Humphrey**, PHNU, is assistant professor of community health nursing, Sacred Heart University, Fairfield, CT.

1979

Susan Rumsey Givens, MHCH, perinatal outreach educator with the Wake AHEC has moved to the Washington, DC, area to work with the National Commission to Prevent Infant Mortality.....**Katherine Ward Williams**, PHNU, is living in Columbia, SC, with her three daughters. Katherine has studied at the Liverpool School of Tropical Medicine in England.....**Marquis A. Eure**, HBHE, is health educator with the Mecklenburg County Health Department in Charlotte, NC.....**Patricia O'Leary**, MHCH, and **George Cunningham** were married April 23, 1989 in Chapel Hill. In addition, Pat was inducted into Sigma Theta Tau, Alpha Alpha Chapter for her contribution as a community leader.....**Elizabeth Dickey**, PHNU, is ambulatory care coordinator for the Indian hospital in Sells, AZ.

1980

Jacquelyn Ann Polder, PHNU, is a Lt. in the USPHS working as an epidemiologist with the Centers for Disease Control in Atlanta, GA. She is living in Stone Mt.....**Dale Slack**, ENVR, of Knoxville, TN, is emergency preparedness and health physics business area manager for Science Applications International Corp., Oak Ridge, TN. He is married to Terri L. Tribble who is an attorney for the U.S. Dept. of Energy.....**Kenna Lee Stephenson**, HPAA, and **John C. Watts, III**, were married recently and are living in Gastonia, NC.....**Gregory P. Lathan**, ENVR, former environmental programs manager for the General Electric Company's Electrical Distribution and Control Division, is president of Environmental Investigations, Inc., a company that provides a broad range of cost-effective environmental consulting services to industry, banking, legal and commercial real estate institutions. Environmental Investigations is located in Durham, NC.....**Paula H. Mendelsohn**, NUTR, opened a new office of Prevent-Well Nutrition Services, Inc. in Boca Raton, FL.....**Douglas Carver**, ENVR, is a Lt. JG. in the U.S. Navy and is currently in Officer Indoctrination School in Newport, RI. Upon completion Doug will be stationed at the environmental health center in Norfolk, VA.....**Cheryl Brower**, PHNU, is living in Seattle, WA, where she is hemophilia nurse, WA State Hemophilia Program.....**Jane Plyer Crosbie**, PHNU, associate professor, Department of Nursing at Humboldt State Univ. in Arcata, CA, spent three months at a mission in the slums of Madras, India, in the 1987/1988 academic year. While there she studied convalescent care for the elderly in the 3rd world, gave "hands on" care at the mission clinic, and worked with the city's homeless elderly.

1981

Steve Snapinn, BIOS & Ph.D. 1983, and **Sylvia Snapinn**, BIOS 1980, have returned to the U.S. from Waterloo, Belgium, and are living in Norristown, PA.....**Alice Raymond Thomson**, NUTR, her husband, Scott, and son, Raymond, welcomed the birth of a daughter, Elsie Louise, on Jan. 17, 1989.....**Bob Forbes**, ENVR, has joined CH2M Hill's new office in Charlotte, NC, with the duties of conceptual planning, business development and project administration.....**Marilyn Griffiths Lanphier**, PHNU, is director of the adolescent section, Maternal and Child Services, Oklahoma State Department of Health.

1982

Ann Ringland-Woodward, MHCH, and **Julie Truax**, HBHE 1988, are prevention program consultants, Office of Prevention, Department of Environment, Health, and Natural Resources, Raleigh, NC.....**Charlene Kidd**, PHNU, is clinical coordinator of a large pediatric outpatient department, Newark Beth Israel Medical Center.....**Sandi Giles Massey**, PHNU, and her husband, Gary, have a year old son, John David. Sandi is director of nursing, Iredell County Health Department, Statesville, NC.....**Imogene Walker Poole**, HPAA, assistant administrator, McDowell Hospital, Marion, NC, was advanced to membership status in the American College of Healthcare Executives at its 55th Convocation Ceremony in Chicago, IL. The College is an international professional society representing more than 22,000 healthcare executives. Membership is the second level of achievement in the College.....**Annette F. Hinshaw**, NUTR, is now living in Weaverville, NC.

1983

Gloria Ann Evans, PHNU & Dr.P.H. MHCH 1988, resides in Chapel Hill where she is clinical instructor, UNC-CH School of Nursing.....**Nancy Lee Rucker**, HPAA, is manager of public policy, CIBA-Geigy Pharmaceuticals Division, Summit, NJ.....**Robert Glenn Chassin**, HPAA, was recently married to Robin Worley in Hartford, CT. Robert is an administrator at the St. Luke's-Roosevelt Hospital Center. He is studying for an M.B.A. at New York University.....**Judith Cohen**, HBHE, directs the Division of State Government Affairs, American Academy of Pediatrics (AAP), in Elk Grove Village, IL. The AAP has 37,000 members with a chapter in every state. Judith and her staff assist the chapters by providing background information and data on a variety of legislative and regulatory issues; preparing fact sheets, arguments for the legislation and rebuttals to the opposition; writing testimony; consulting on political strategies and testifying on location if needed.....**Hettie Lou Garland**, PHNU, is director of nursing, Mountain Area Health Education Center in Asheville, NC.....**Carol Hindman Tippe**, PHNU, is patient care coordinator, Iowa City Hospice and adjunct

faculty at Mt. Mercy College and Coe College in Cedar Rapids and clinical preceptor, College of Nursing, University of Iowa. Carol and Lee have one child, Allison, born July 1988.

1984

Arthur Boyce Webb, ENVR, is director of radiation and entomological sciences, U.S. Army, Environmental Hygiene Agency, Aberdeen Proving Ground, MD.....**Jean Gowan**, HBHE, health educator for AIDS program with the Durham County (NC) Health Department, was project coordinator for a rally in the East End neighborhood in Durham designed to educate residents about AIDS.....**Wesley L. Boykin**, EPID, is senior evaluator, Dallas, TX, Independent School District.....**Christine Willmot Broadwell**, PHNU, recently became educator in the regional resource program, National Air and Space Museum, Smithsonian Institution, Washington, DC. Her job is to promote education in aviation and aerospace and to increase public awareness about the museum and its programs.....**Joseph Naimoli**, HBHE, of Washington, DC, is a technical officer in the International Health Programs Office, Centers for Disease Control in Atlanta. He is currently posted to Bangui, Central African Republic, and directs the Combatting Childhood Disease Project.....**Elizabeth J. Stoller**, HBHE, is editor, San Francisco Epidemiologic Bulletin and health educator, Bureau of Communicable Disease Control, City and County of San Francisco, CA, Department of Public Health.....**Robert Goodman**, HBHE, has accepted a position as assistant professor, Department of Health Education and Promotion, University of South Carolina School of Public Health effective July 1989.....**Dennis Joyner**, HBHE & M.P.H. 1986, is now the director of health education, Forsyth County Health Department, Winston-Salem, NC. He replaces **Mary Grenz Jalloh**, HBHE, who has moved to New York.

1985

Leslie Haco Alhadeff, HPAA, is medical director of Hill Crest Hospital, Birmingham, AL. Leslie is also in the private practice of psychiatry specializing in the treatment of stress and anxiety.....**Leslie Ann Clegg**, HBHE, and **Jonathan Lee McKnight** were recently married and are living in Chagrin Falls, OH.....**Allan Hatch**, PALP, is a resident in internal medicine at Pitt Memorial Hospital in Greenville, NC.....**Margaret Katherine Banks**, ENVR, has moved to Manhattan, KS.....**David S. Lee**, ENVR, is living in Rocky Mount, NC.....**Leslie Clegg**, HBHE, is public health specialist, Industrial Hygiene Department, International Rubberworkers Union, Akron, OH.....**Sandra L. Allen**, PHNU, is vice president of Lexington (NC) Memorial Hospital.....**Paula Sanders Stone**, PHNU, is a consultant in the Louisville, KY, area. She and her husband, Tom, have a year old

son, Andrew Nash.....**John C. Ridderhoe**, PALP & Dr.P.H. 1988, of Smyrna, DE, is deputy director of the Delaware Public Health Laboratory. Son, Christopher, is 20 months old.....Recently married: **Tracy Ann Turnbull**, BIOS, and **Gary Marshall Survill** are living in Woodbridge, NJ; **Carol Renee Ross King**, HBHE, is living in Winston-Salem, NC.....**Wayne Wormsley**, BIOS, has moved recently to Signal Mt., TN.....**Jill Moore**, HBHE & M.P.H. 1988, presented two papers at APHA, one on transportation alternatives for the elderly and another on the role of health education in injury control.

1986

Laura Hixon Illston, HPAA, has recently married and moved to Minneapolis, MN, where her husband is a law student. Laura is working in the Division of Health Services Research, University of Minnesota School of Public Health as study coordinator for two research projects. Both projects involve examination of Oregon's community-based long-term care system. In a few months she will begin working with Dean Robert Kane on the first part of a HCFA-sponsored evaluation of the On Lok replication sites located around the country.

1987

Glenda Ruth Lewis, ENVR, of Daytona Beach, FL, is an environmental health specialist for the State of Florida in Volusia County.....**Jackson H. Day**, HPAA, is manager of program development with John Short & Associates in Columbia, MD.....**Werner Rohlf**, ENVR, is a facility industrial hygienist, IBM Research Labs, Zurich, Switzerland.....**Tracey Davis**, HBHE, was married recently to David Paul and is living in Davidson, NC. David is a personal banker with Wachovia Bank in Charlotte. Tracey is public health educator I, Catawba County Health Department in Hickory, NC.....**Elizabeth A. Gerkin**, HPAA, is working with the Governor's Task Force on Injury Prevention and Control in Raleigh, NC. The 21-member Task Force is headed by Dr. Thad Wester, Deputy State Health Director.....**Mike Duffy**, HBHE, is assistant director, Occupational Health and Safety Department, Service Employees International Union (SEIU), Washington, DC. SEIU is the fifth largest affiliate of AFL-CIO. Over half of the membership is employed by federal, state, or local governments in virtually every area of public service. Mike works with locals in the southeast to identify and correct health and safety hazards by providing technical assistance and helping locals develop union-based strategies to correct occupational hazards. **Phil Moses**, HBHE 1989, works with Mike at SEIU.....**Tom O'Connor**, HBHE, is director of environmental and occupational health, Chicago Lung Association.....**Renae Reese**, HBHE, works with the Conn. Committee on Occupational Safety and Health.

1988

Marie Fitzgerald De Necochea, ENVR, is an industrial hygienist with the consulting firm, Health and Hygiene, Greensboro, NC. The firm inspects and analyzes work areas for health hazards.....**Mukenge Bakadi**, HBHE, is serving as advisor/consultant to Peace Corp Training operations in Kinshasa, Zaire.....**Jim Turpin**, ENVR, founder of the non-profit health organization, Project Concern, has returned to Vietnam after 16 years. Jim spent seven years as a medical missionary in Vietnam before being forced to leave in 1972. He will stress oral rehydration therapy in addressing child survival, a priority in Vietnam.....**Donna Iozia**, ENVR, is branch manager for OMNI Environmental Services, Inc. located at Research Triangle Park, NC.....**Linda S. Mann**, ENVR, has accepted the position of environmental engineer for hazardous waste permitting in the NC Dept. of Environment, Health and Natural Resources.....**Thomas B. Cole**, EPID, is head, Injury Control, Department of Environment, Health and Natural Resources, Raleigh, NC.....**Jess Shatkin**, HBHE, is an occupational health educator, UCLA Center for Labor Education.....**Kathleen Monahan**, PHNU, is a public health nurse, Orange County Health Department, Hillsborough, NC.....**Terrance Chorba**, EPID, is working in the Epidemiology Program Office, CDC, Atlanta, GA. Terrance presented a paper, "Enactment of Mandatory Seat-Belt Use Legislation in the United States: The Political Process in North Carolina," during the First World Conference on Accident and Injury Prevention in Stockholm, Sweden.

1989

Patience Vanderbush, HPAA, is a technical editor/publications coordinator at Clinical Research International (CRI) in the Research Triangle Park, NC. Patience will assist with the FDA reports which CRI compiles on clinical trials conducted under contract with pharmaceutical companies.....**Paula Poe**, HBHE, is program consultant with the Affiliate, American Heart Assn. in Chapel Hill.....**Cathy Sarri**, HBHE, presented a poster session at APHA about injuries to housekeepers.

Alumni Deaths

Richard S. Bolton, HPAA 1962, retired director of public health for the Southwest GA District and a former anesthesiologist, on Jan. 7, 1989 in Thomasville, GA
David Donaldson, ENVR 1960, on Sept. 6, 1988 in Reston, VA.
Edward Wm. Ebersole, ENVR 1964, on Sept. 17, 1988 in Novato, CA.
Herschell M. Cooke, HPAA 1965, on March 7, 1989 in Boone, NC.
Mary Catherine Drennan, HBHE 1946, on Jan. 10, 1989 in Papatka, FL.

Herschel C. Gore, EPID 1970, a dermatologist who had practiced with the Patuxent Med. Group in Columbia, MD, since 1978, on March 14, 1989 in Fairfax, VA. He was a physician in the USPHS for 23 years.

Henri Guyette, HPAA 1964, on May 30, 1988 in Elizabeth City, NC

Elsie Hough Lopez, HBHE 1948, on Oct. 15, 1988 in Bethune, SC.

Edwin Presley McKisic, ENVR 1952, in 1989 in Marietta, OH.

Recycling Studied

A unique educational program to study recycling practices in the United States and Sweden has been launched by Keep North Carolina Clean and Beautiful, Inc.

The program involves exchange of professional students in recycling from Sweden and the University of North Carolina at Chapel Hill's Institute for Environmental Studies. Sponsors are the Glass Packaging Institute (GPI) and SWEBEX, a public-private Swedish firm.

"We feel strongly that this educational program will raise awareness of the urgent needs for recycling to become further part of our everyday life in North Carolina and the United States," said a Keep the American Beautiful representative.

Mary Beth Edelman, research assistant at the Institute for Environmental Studies, and Brigitta Sundstrom, an assistant supervisor in training at the Waste Management Division in Gothenburg, Sweden, participated in the exchange. Edelman and Sundstrom spent nine weeks in each other's country studying recycling and analyzing the effectiveness of the different collection and education methods in use.

Alumni Receive Renker Medal

In the summer of 1989, Robert A. Greenberg, EPID 1982, professor of pediatrics, School of Medicine, and Bobbie Boyd Lubker, EPID 1982, clinical associate professor, Department of Medical Allied Health Professions, School of Medicine, and School of Education, UNC-CH, were two of four United States recipients of the first Karl Heinz Renker Medal.

The award, presented by the Medical-Scientific Societies of the German Democratic Republic (East Germany), was in recognition of their book, *Educational Rehabilitation of the Handicapped in the German Democratic Republic and the*

United States of America: An Overview.

The book was a collaborative effort among the four U.S. award recipients and four members of the Faculty of Pedagogy at Humboldt University in East Berlin.

Greenberg, Lubker, and their U.S. and East German colleagues are members of a Subcommittee on Education of the Handicapped, sponsored by the International Research and Exchanges Board in the U.S. and the East German Ministry of Higher Education. The award, the first of its kind, is a memorial to Dr. Karl Heinz Renker, father of the post-World War II East German plan for the handicapped and an active UN participant.

Byerlys Receive Blue and Gold Award

Frances "Scottie" Byerly, School of Public Health faculty member from 1962 to 1971, and husband, Kenneth R. Byerly, professor emeritus of Journalism, UNC-CH, have been jointly awarded Montana State University's coveted Blue and Gold Award. The Blue and Gold Award is one of the institution's highest honors, second only to the honorary doctorate.

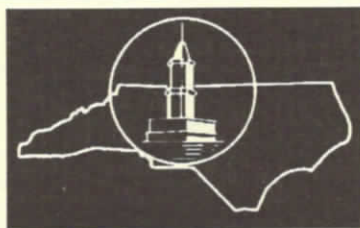
The presentation was made by the Montana State University's president, William J. Tietz, at an alumni dinner in Lewistown on October 23, 1989. Montana State University is located in Bozeman.

The award cited the Byerlys' "crucial role in bringing college education opportunities to Central Montana" through extension programs. It further noted, "Frances and Kenneth, you have brought to Montana and Lewistown your talents and experiences and a willingness to share them for the betterment of all of our people....Your dedicated efforts to expand educational, service and public health opportunities for people of this state and your advocacy of improved University-community relations in Central Montana are a source of pride to Montana State University."

The Byerlys have also been named to the Advisory Council by President Tietz.

Scottie Byerly received the M.S.P.H. and the Ph.D. degrees from the Department of Health Behavior and Health Education, UNC School of Public Health.

Kenneth Byerly is publisher of the Lewistown *News-Argus*, which he has owned since 1947. The Byerlys moved to Montana in 1971 after they retired from the University of North Carolina at Chapel Hill.



On Campus

Faculty, Staff and Student News

William T. Small, Dean's Office, has been elected chairman of the Board of Directors, Vance-Warren Comprehensive Health Plan, Inc., a non-profit health services corporation in Warren County, NC, that provides comprehensive health care to low-income residents. The 15-member board is composed of health service users, representatives of county and state government, UNC-CH School of Public Health, and health care providers.

Dorothy Talbot, PHNU Emerita, is writing the history of the Curriculum in Public Health Nursing from its beginning in 1941. Recently Pat has spent six weeks camping in Mexico.

Mary Peoples-Sheps, PHNU, with colleagues, **Earl Siegel**, MHCH, and **Chirayath Suchindran**, BIOS, recently completed an analysis of the 1980 Natality Survey. The study, supported by the National Institute of Child Health and Human Development, was designed to assess the extent to which maternal employment is associated with low birthweight. Two other studies conducted as a part of an effort to design a national longitudinal survey of pregnancy and childbirth have been supported by CDC and the Association of Schools of Public Health. The first with **William Kalsbeek**, BIOS, and **Earl Siegel** was a national survey of providers of prenatal care to determine the quality of maternity records. The second project tested the usefulness of a set of data collection instruments.

Gary Rozier, HPAA, has been appointed to a six-year term of the American Board of Dental Public Health, the examining Board for the speciality of dental public health. He has been named a consultant to the a National Institute of Dental Research, which is working with the Dental Health Section of APHA and the Association of Public Health Dentistry to develop a research agenda to enhance dental public health's capacity for improving the nation's oral health.

Kit Simpson, HPAA, has been elected chair, Health Administration Section, American Public Health Association and has been appointed to the Advisory Committee for Management Education for the American Association of Community Health Centers.

Berton H. Kaplan, EPID, presented a paper on Psychosocial Cancer Research at the American Cancer Society meeting in

Santa Monica, CA, in December. The paper co-authored by Dr. Gene Broadhead of Duke University focuses on research needs in the psychosocial management of oncology cases.

Cecil G. Sheps, Taylor Grandy Distinguished Professor emeritus of social medicine and epidemiology, has given \$50,000 to establish a fund to bring visiting scholars in social justice to the UNC-CH campus. Funds will be available to all departments, and scholars will be invited for one week.

Four new members have been appointed to the state Environmental Management Commission by Gov. Jim Martin, two of them from UNC. The new members from UNC are: **Charles Henry "Pete" Peterson**, professor of marine sciences, biology and ecology at UNC's Institute of Marine Sciences in Morehead City and **Michel A. Ibrahim**, dean and professor of epidemiology, UNC-CH School of Public Health. Commission members are appointed to six-year terms. The EMC enforces the state's environmental laws on air and water quality.

Changes in directors of program areas in ENVR include **David Leith**, named director of the air and industrial hygiene program area and **Mark Sobsey**, director of the environmental chemistry and biology program area. **Fred Pfaender** became the associate chair of the department July 1. Pfaender has been appointed to the EPA Science Advisory Panel for the clean up of the Alaskan oil spill.

Russell Christman and **Phil Singer**, ENVR, have been granted Kenan leaves for the 1989 - 1990 academic year. Christman will spend time in Oslo and at the Engler-Bundt Institute in Karlsruhe, West Germany. Singer will study water treatment systems at Stanford University.

Richard Andrews, ENVR, has been appointed a member of the planning committee for the 1990 annual meeting of the American Association for the Advancement of Science.

Melva Okun, Institute for Environmental Studies, convened the first meeting of the NC Association of Environmental Educators and serves on the steering committee. The Institute will conduct two 10-day workshops during the summer for teachers on the subjects of water quality management and waste management in cooperation

with the NC Department of Public Instruction and the UNC Center for Math and Science Education. **Donald Francisco**, **Alvis Turner**, and **James Watson**, all ENVR, participated in the workshops.

Edward J. Kuenzler, ENVR, reports several studies in NC which examine swamp systems receiving sewage wastes in relation to water quality, nutrient retention, and vegetative change caused by waste loading. Results of these studies are expected to have important implications for managers who permit discharges from municipal wastewater facilities and package treatment plants into the wetlands.

Victor J. Strecher, HBHE, has received an NHLBI FIRST Award to study methods for eliciting information regarding health risks of individuals and subsequently presenting health messages tailored to the individual's health risks, motivation to change and barriers impeding ability to change. Working with Strecher on this project are: **Harm Hospers**, University of Limburg, Netherlands; **Celette Skinner** and **Sara Banks**, students in HBHE; and **Dr. Russell Harris**, UNC School of Medicine.

The annual report of the School of Public Health reported that over 80% of the faculty participated in external service activities, contributing an average of 205 hours per faculty. A total of 28,406 faculty hours were reported on 869 projects. Nearly half of the projects completed were within the state (49%). All departments were represented. In continuing education, the School sponsored 168 courses which generated 2456+ instructional hours. Sixty-two faculty members from the School participated in the courses offered. 7,364 professionals attended continuing education programs sponsored or cosponsored by the School.

Ed Finerty, Learning Resources Center, reports that during the past year the LRC completed 76 instructional projects supporting 36 curriculum courses in the SPH and supplied requested services to all departments and curricula as well as to the Dean's Office, DCHS, CAIS, HPDP, Program on Aging, and the Office of International Public Health Programs. Seventy-two faculty used the LRC, including 20 for the first time.

Carol Runyan, HBHE & Injury Prevention Research Center (IPRC), was recently appointed to the Board of Directors of the NC Chapter of the American Trauma Society. In addition, she has been serving

on the NC Governor's Task Force on Injury Prevention. The results of the Task Force were presented at a symposium held in Nov. for which she was a speaker.

Three faculty made presentations at the First World Conference on Accident and Injury Prevention held in Stockholm, Sweden: **Carol Runyan**, HBHE & IPRC, "Fire Hazards and Safety Practices in North Carolina Households" and "Bicycle Helmet Use Among Competitive Cyclists: Attitudes and Experiences;" **Shrikant Bangdiwala**, BIOS, "Log-Linear Multivariate Models for Risk Factors for Childhood and Adolescent Injuries in Latin America;" and **Donald Reinfurt**, BIOS, "North Carolina's Occupant Restraint Law: An Evaluation."

The E. I. du Pont de Nemours & Co. education aid program has awarded a grant to ENVR. The annual grants made by the company are used to establish fellowships, fund scholarly activities, purchase equipment and maintain or enhance the strength of instruction in science and engineering.

Gordon H. DeFriese, HSRC & EPID, was co-chair of the National Invitational Conference on comprehensive school health programs at the Carter Center of Emory University in Atlanta. HSRC was among the sponsors of the event, which was designed to discuss the role of schools and communities in improving adolescent health.

Bonnie Rogers, PHNU, and **Laurice Ferris**, School of Nursing, have been chosen as two of North Carolina's "Great 100" nurses. They were chosen for their professional qualities and for contributions made toward upholding a positive image of nursing.

Marla Salmon, PHNU, has been appointed to the APHA Task Force to study possible changes in credentialing of public health personnel. The Task Force is chaired by Robert Johnson, president, Appalachian Regional Health Center. Members in addition to Salmon are: **Lillian Terris**, president emeritus, Professional Examination Service; **John B. Waller, Jr.**, chair, Dept. of Community Medicine, Wayne State Univ. School of Medicine and former health commissioner of Detroit; **Larry Gordon**, visiting professor of public administration, Univ. of New Mexico and recently retired as Secretary of the NM Health and Environment Department; **Ruth Singer**, retired director of local health administration, MD Dept. of Health and Mental Hygiene. The Task Force will give immediate consideration to the certification of public health educators; review APHA policy on credentialing public health personnel and propose any recommended changes; and identify areas with potential for action with other organizations, particularly the Association of Schools of Public Health.

The Institute for Environmental Studies' Environmental Resource Project (ERP) has been awarded a \$50,000 grant from Z. Smith Reynolds Foundation to support all the activities of the ERP. The project provides technical assistance to community groups and local governments and training to school teachers. Part of the money supports the Student Community Involvement Program (SCIP). Through this program students conduct research for community groups or local governments. Four students have received stipends of \$250 each for the fall semester to help defray research expenses. The students, their faculty advisors and sponsoring organizations are:

Thomas Hanzel, M.S., ENVR, to conduct a follow-up study of drinking water quality of migrant labor camps in eastern North Carolina. Advisor, Dr. Mark Sobsey. Sponsor, NS Farmworkers Legal Services. **Jana Frederick-Collins**, master's in journalism, to evaluate the extent and effectiveness of environmental risk reporting in coastal community newspapers. Advisor, Prof. Jane Brown. Sponsor, NC Coastal Federation.

Sherol Bremen, master's student in city and regional planning, to prepare a paper which focuses on alternative markers for newsprint collected in local recycling programs. Advisor, Prof. Ray Burby. Sponsor, Orange and Chatham Counties Recycling Programs.

Allen Edwards, Ph.D. student in sociology, to study water access and wastewater treatment facilities in rural areas. Advisor, Prof. Rachel Rosenfeld. Sponsor, NC Rural Communities Assistance Programs.

Two students from HBHE presented papers at APHA. **Dee Gray** presented her major

paper on day care safety policies and **Laura Sadowski** discussed firearm access among teenagers.

During the summer of 1989, twenty-seven students were chosen to participate in the cooperative internship program sponsored by the Association of Schools of Public Health and the Centers for Disease Control (CDC). Seven of the students were from the UNC School of Public Health.

The seven UNC students and their assigned areas were: (HBHE), **Rema Afifi**, consultation and training subgroup; **Nancy B. Foreman**, Division of Injury Epidemiology and Control; **Edith Parker** and **Nancy Lowenthal**, International Health Program Office; **Lisa McKay**, planned approach to community health; and **Shannon Weigand**, STD Division - Adolescent Behavioral Studies. (EPID) **Sara Moir Sarasua**, STD Division - Surveillance. Following their internships, Afifi, Sarasua, and Weigand accepted permanent job offers and now work at CDC.

The purpose of the program is to "develop and conduct training to improve the preparation of public health personnel for performing essential work in public health programs designed to reduce unnecessary morbidity and mortality and improve the quality of life." Master's and doctoral degree candidates in accredited U.S. schools of public health who are U.S. citizens, non-citizen nationals, or foreign nationals who possess a visa permitting permanent residence in the U.S. are eligible to apply.

Although not part of the above mentioned intern program, **LTC Roy J. Almeida**, PALP, completed his research at CDC this summer, also.



Ghosts and goblins and other strange creatures got a jump on Halloween on October 27 at the School of Public Health. Employees sponsored a carnival with the proceeds benefitting the NC State Employees Combined Campaign. Activities included a bake sale, cake walk, face painting, bobbing for apples, and the jail. **Mary McCurdy** was jailer. In the picture above, **David Pickard** keeps a watchful eye while **Dean Michel Ibrahim** accepts a contribution from **Shirley Clements** to raise the bond for his release. **Bob Schreiner**, Computing and Information Services, was chair of this year's campaign. The School raised \$912 through this event.

Scholarships and Awards

RTI Professional Development Award

Linda Michaels, ENVR, an environmental scientist at Research Triangle Institute, NC, has been awarded a 1989 RTI Professional Development Award. She will use the award to evaluate the effect of tobacco smoke on radon progeny contamination in human lungs as the basis for her doctoral dissertation, the final requirement to receive the Ph.D. degree in Environmental Sciences and Engineering from the UNC School of Public Health.

Michaels will use two PC-based mathematical models — one developed at RTI and one at UNC-CH — to predict how changing room air particle behavior and concentration in the presence of tobacco smoke affects the contamination of the lung by radon decay products.

To compare her predictions with actual lung contamination data, Ms. Michaels will travel to Argonne National Laboratory. Researchers there have collected extensive data about radiation exposure among adults who smoke and live in homes with enhanced radon levels. She will test several hypotheses to explain the combined effects of radon exposure and smoking.

The RTI Professional Development Award program, now in its 12th year, supports RTI staff members in scientific activities that are beyond the scope of their regular contract research responsibilities.

School of Public Health Awards

Miriam L. Cole Scholars

David K. Knopf received an A.B. degree from the University of California at Riverside and a M.S.W. degree from the University of California at Sacramento. He is currently attending UNC-CH School of Public Health to earn a master's degree in the Department of Maternal and Child Health.

He has worked as a clinical social worker in areas of maternal and child health which included inadequate perinatal health care, problems of the drug epidemic on newborns and families and the AIDS epidemic. His professional goal is to apply his knowledge and expertise to help alleviate the problems of the socially scarred, the children of addicts, the abused and neglected, the homeless, and the immigrant and migrant.

Charles Richard, Jr. received a B.S.N. degree from West Texas State University in Canyon, Texas. He is currently enrolled in the Curriculum in Public Health Nursing, UNC-CH School of Public Health to earn a master's Degree.

After receiving his undergraduate degree, Charles worked as a nursing supervisor in the areas of medical-surgi-

cal, obstetrical, pediatric, emergency, and community health care. Charles's major professional concern is the lack of health care to those most in need. After completing his master's degree he plans to work with agencies such as the U.S. Public Health Service in promoting and delivering health care to minority groups and the medically indigent.

Nutrition MPH Scholarship Award

Susan Louise Hagins, a native of Camden, SC, received her B.S. degree from Clemson University in Food Science. She is currently attending the School of Public Health, UNC-CH to earn the M.P.H. degree in Nutrition and eligibility as a Registered Dietitian.

Ms. Hagins worked at Kershaw County Memorial Hospital prior to her enrollment at UNC to gain work experience in nutrition. While at UNC she has been active in the Nutrition Department Student Coalition and in Craige Dormitory Student Government.

Susan plans to contribute to the field of nutrition through future work as a public health nutritionist and to develop her interest in writing nutrition articles for newspapers and magazines.

Lucy S. Morgan Fellowship Award

Elise Jensen is the second recipient of the Lucy S. Morgan Fellowship. The fellowship is presented to a second year master's student in the Department of Health Behavior and Health Education for scholastic achievement, integrity and leadership in health education practice.

Elise received the Morgan Fellowship for excellence in academic and field practice courses. She was commended for her initiative, insight, flexibility, organizational ability and sensitivity to the needs and values of communities. As a student, she has served as a research assistant to Dr. Eugenia Eng for an evaluation of a community-oriented primary care project in the Appalachian region of West Virginia.

After receiving a B.S. from Loyola University - Marymount, Elise worked for the Peace Corps in Haiti from 1985-1987 as a health educator/community developer. She worked with a project that serviced a population of 30,000 people. Her duties included home extension visits, maternal/child vaccinations, health education sessions, family planning counseling and conducting seminars on child survival topics and health extension techniques.

After receiving her master's degree, Elise plans to return to the Third World to work on the creation, development and implementation of community based rural health education projects.

NCPHA Awards

Linda B.

Parker is the recipient of the 1989 Carl J. Reynolds Award for her role in the creation of the NC Public Health Legislative Action Network. She was cited "for tremendous energy and untiring commitment to enhancing the public health system in our state, for noteworthy efforts that have contributed to an increased involvement in legislative issues by the public health profession, and for creative vision of a public health network that is knowledgeable about legislation, more politically astute and more aggressive in representing public health interests."



The Reynolds Award is presented to the NCPHA member who has made the greatest contribution to public health in North Carolina during the year or the recent past.

Parker has served as associate director for community service in the School of Public Health's Division of Community Health Service since 1984. Prior to this appointment she was director of allied health education, Greensboro Area Health Education Center. She received the B.A. and M.Ed. degrees from North Carolina State University in Raleigh.

George G.

Dudney received the 1989 Watson S. Rankin Award for providing a remarkable legacy of documented improvements in the oral health of North Carolinians during 34 years of devoted service. Dudney was also recognized for his "strong leadership, organizational abilities and a spirit of teamwork in untiring efforts with the N C General Assembly" and for his efforts in establishing a preventive dental health program that has been recognized as a national model.



The Rankin Award is presented for outstanding contributions to public health over a period of years.

Dudney served as head of the Dental Health Section, NC Division of Health Services from 1979 until he retired in 1988. George is now living in Gainesboro, TN. He received the D.D.S. degree from the University of Tennessee and the M.P.H. degree from UNC-CH School of Public Health.

Shirley E.

Callahan received the 1989 Citation of Merit for dedicated public health advocacy by authoring and co-authoring publications that enhance other providers' knowledge of public health and prevention; for developing the first glaucoma screening clinic in a health department, which became a statewide public health nurse training center; for inspiring innovative analysis of local home health programs; and the pioneering effort of hiring the first occupational therapist in home health in the state of NC.



Shirley retired in 1989 as director of public health nursing, Durham County (NC) Health Department. She received the M.P.H. degree from Public Health Nursing, UNC-CH School of Public Health.

Dorothea Cross Leighton 1908 - 1989

Dorothea C. Leighton, 80, Fresno, California, died August 15, 1989 after a brief illness. Born September 2, 1908 in Laurinburg, MA, she attended Bryn Mawr College where she received an A.B. degree in 1930 followed by an M.D. in 1936 from The Johns Hopkins University Medical School. After further training in general medicine, she specialized in psychiatry. In 1939-1940 she held a Social Science Research Council Fellowship for research among Navaho Indians in New Mexico and Eskimos on St. Lawrence Island, Alaska.

From 1948 to 1965 she played a leading part in the Cornell-Harvard Mental Health Research Program conducted in Digby County. In 1965, she moved from Cornell to the School of Public Health at the University of North Carolina at Chapel Hill. At the time of her retirement in 1974 she was chair of the School's Department of Mental Health. She moved to Berkeley in 1975 and served as visiting professor of anthropology, University of California 1981-1982.

Former appointments included: Special Physician to the United States Indian Health Service; social science analyst, United States Office of War Information; professor, School of Home Economics and research associate, Department of Sociology and Anthropology, Cornell University.

She was co-author of five books: *The Navaho Door*, *The Navaho*, *The Children of the People*, *The Character of Danger*, and *Psychiatric Disorder Among the Yoruba*.

Donations may be sent to the Dorothea Leighton Memorial Fund for American Indian Education, % St. James Episcopal Cathedral, 4147 Dakota Ave., Fresno, CA 93726

**John J. Wright
1903 - 1989**

John J. Wright, professor emeritus of health administration, died on November 13, 1989 after a long illness.

A native of Toledo, Ohio, Wright joined the public health faculty in 1940 as a research professor of epidemiology under the auspices of the Rockefeller Foundation. During his tenure at the School of Public Health, he served as professor and chair of the Department of Public Health Administration, director of continuing education and acting dean of the School.

"His contribution to the growth and development of the School in the early years was enormous," said Dean Ibrahim. "Wright served with distinction under three deans: Milton J. Rosenau, Edward G. McGavran and W. Fred Mayes."

Wright's early work at UNC focused on venereal disease, especially syphilis. He was one of the founders of the American College of Preventive Medicine, and his work with that organization helped it emerge as an organization for certifying public health physicians. He was president and secretary-treasurer of the college and was recognized in 1984 with a special commendation.

Wright served as a consultant to state health departments, the Armed Services, federal government and the World Health Organization. He was a member of the board of directors of Project HOPE and assisted the organization with programs in Ceylon and Jamaica.

Wright received the B.S. and M.D. degrees from Vanderbilt University and the M.P.H. degree from The Johns Hopkins University.

Memorial contributions may be made to the Home Assister Service, Inc., 104 Cedar St., Chapel Hill, NC 27514.



Life Members

The names of persons who have elected life membership in the School of Public Health Alumni Association since publication of the May 1988 *Body Politic* follow:

- 421. Rudolph Jackson, Chapel Hill, NC
- 422. W. Guillen Kirkendall, Dallas, TX
- 423. Shirley Callahan, Durham, NC
- 424. Robert Taylor, Fort Lauderdale, FL

The SPHAA is in the process of obtaining pins to be sent to all Life Members in January 1990. Life membership dues are \$250 and may be paid in monthly or quarterly payments. Checks should be made payable to the School of Public Health Alumni Association and designated to SPHAA life member. Mail to Ms. Harriet H. Barr, Dean's Office, CB# 7400 Rosenau Hall, Chapel Hill, NC 27599-7400.

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School of Public Health

University of North Carolina at Chapel Hill

Editor: Ms. Harriet H. Barr

News items are welcome and should be sent to:

Dean's Office, Rosenau Hall CB# 7400

Chapel Hill, NC 27599-7400



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