

the body politic

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Dental Public Health Celebrates 70th Anniversary

Seventy years of preventive dentistry in North Carolina have brought remarkable improvement in the dental health of the citizen's of the state.

"The program has been an outstanding example of collaboration at its best between dentists, citizens, legislators, public health professionals and the schools and universities of the State," Dr. George G. Dudley, director of the Dental Health Section, Division of Health Services, said. "We look forward to a year of celebration as we say 'Thanks for the smiles' to all who have helped make our success possible."

In mid January, 400 persons gathered in Raleigh for the program to recall the history of the preventive dental health program and to begin the year-long celebration honoring the persons who have contributed to the success of the program.

The beginning goes back to the 1918 meeting of the North Carolina Dental Society (NCDS) and a rousing speech by Dr. George Cooper, Director of the NC Bureau of Medical Inspection. As a result the NCDS agreed to seek funds from the Legislature for a school dental health program and the Public Health Program's Oral Hygiene Services were born. The first school dentist began work in July 1918.

The January luncheon and portrait presentation honored Dr. Ernest A. Branch, a dentist and public health leader, who became supervisor of Oral Hygiene in 1929. The Division of Oral Hygiene was created by the State Board of Health in 1931 and the first state dental public health program in the Nation was born. Dr. Branch believed that education was the key to improved dental health. He initiated appeals to counties to raise funds to support local dentists to work in the schools and challenged teacher-training institutions to include dental health education in their curriculum.

"Education is putting into practice today what we learned yesterday with the hope that it will become a habit tomorrow."

Ernest A. Branch

The results of an early (1934) survey of dental needs of school children conducted by the NC Dental Society showed that 55% of children surveyed had never visited a dentist and that 84% of the children needed dental care.

Of all the programs targeted toward school children the Little Jack Puppet Show was the most popular. The Little Jack shows, which educated children about dental health and helped them to conquer their fears of the dentist, were presented across North Carolina to 250,000 children per year for 35 years. The production was changed every



Children in a North Carolina elementary school watch the Little Jack Puppet Show in the 1940's and 1950's.

two years, the time it took to visit all elementary schools in the state. Bus loads of children came to see Little Jack's home in the Little Jack Museum at the State Board of Health in Raleigh, and Little Jack received and answered letters from many children. He was by far the most popular public health worker in state.

At UNC a new Division of Public Health became involved in 1936 in the preparation of public health dentists with the establishment of the Institute of Public Health Dentistry, another first in the Nation. After the Division became a School of Public Health in 1939 and was authorized to offer graduate degrees, the need for the Institute diminished and it was discontinued in 1942.

First Dentist Receives Master's Degree From School of Public Health in 1953

According to Dr. Gary Rozier, associate professor of health policy and administration and director, Dental Public Health Residency Program and MPH Dental Public Health Degree Program, specific course work for dentists did not begin, however, until 1957-58 when a Public Health Service dental consultant, Dr. Harry Bruce, offered a seminar in dental public health practice. Conducted in collaboration with the School's Department of Administration, the course was successful and popular in spite of the fact that it had to be offered at monthly intervals and at night to fit Dr. Bruce's schedule.

"The next year Dr. John Fulton joined the faculty in the Department of Epidemiology and instituted the first course in dental epidemiology," Rozier said. "And at the request of the state dental directors in North Carolina and Virginia, Drs. Bruce and Fulton began the first dental public health extension course, a two week seminar for 31 dentists."

Of the four dentists who received the MPH degree from the School of Public Health in 1958, two were outstanding leaders in the North Carolina preventive dentistry program, Dr. John T. Hughes and Dr. Ernest A. Pearson, Jr. Hughes became assistant director of the Division of Oral Hygiene in 1962 and in 1965 joined the faculty of the School in the Department of Health Administration. Pearson was state dental director from 1959 until his retirement in 1979.

Dr. Hughes served as research coordinator for the NC State Board of Health and as supervisor of the Residency Training Program. He also held a joint appointment in the School of Dentistry's Department of Dental Ecology and was mentor to dentists in the master's and doctoral curriculum in dental public health.

In these roles he participated in a number of research studies. The first comprehensive survey of dental disease problems throughout North Carolina, completed in 1963 by Drs. Fulton and Hughes, became the data upon which future dental health planning was based.

Rozier said that the follow-up study, *Natural History of Dental Diseases in North Carolina 1976-1977*, verified the decline in dental caries and set the stage for increased emphasis on the role of periodontal disease as a public health problem. The data from this study provided the baseline from which the progress of the preventive dentistry program has been measured.

Dudney and Rozier, current leaders in dental public health received public health degrees from the UNC School of Public Health. Becky S. Bowden, head of the health promotion and prevention unit, Dental Health Section, was the first health educator educated at the School of Public Health to be hired by the Section. Bowden said that she was hired as a result of a USPHS grant to provide continuing education for private dentists in the value and techniques of oral cytology. "I coordinated the oral cancer seminars and assisted in the clinics held across the state," she said.

Cont. on page 6

In This Issue:	
Dental Public Health	1
Health Education	3
Suther Named	4
Mass Media	5
From the Desk of the Dean	6
Child Survival	7
Alumni News	8
Injury Center	9
Reimer Appointed	10
Life Members	
Department Chairs	11
Pearson Honored	12
Alumni Deaths	
On Campus	13
Ibrahim Appointed	19
Mayes Death	
School Receives Bequest	

The Body Politic is edited by Harriet H. Barr. News items are welcome and should be sent to the Dean's Office, CB# 7400 Rosenau Hall, Chapel Hill, NC 27599-7400.

Health Education: Into the 1990's

This is an exciting time for health education, according to Dr. James R. Sorenson, chair of the Department of Health Education and director of the School's Program in Health Promotion and Disease Prevention.

Dr. Sorenson, who assumed the leadership of both positions in 1986, substantiates this statement by the fact that, although the field is attempting to retain the important and significant lessons learned from the past 50 years of health education programs and initiatives, it is in the process of developing a firmer empirical base.

"The Department is committed to remaining among the leaders in health education," Sorenson said, "and the vitality and work of the faculty reflect that this commitment is being translated into action."

There is a growing commitment in the Department to basic and applied research, he continued. Much of the research of the four faculty who have joined the Department since July 1987 (Drs. Karl Bauman, professor; Betty Mutran, associate professor; Robert Goodman and Sandra Headen, research assistant professors) is based on the theoretical, conceptual, and empirical bases of the social and behavioral sciences. Research interests include: adolescent health behavior, aging and the elderly, AIDS, cancer prevention, social support, decisions regarding critical care, developing more effective strategies for helping schools adopt and institutionalize health promotion and health education programs, testing the effects of specific health education messages on adolescent smoking behavior, diabetes control and prevention, and cholesterol control programs.

At the present time, the Department has strength and depth in behavioral and organizationally focused research on health education and promotion programs. According to Sorenson, the Department will begin recruitment of faculty to strengthen its competencies in designing and conducting large scale community-based health promotion and health education research projects.

There have been significant developments in Departmental academic programs over the past two years as well, Sorenson said. For example, the Department is conducting a review of the BSPH program to identify the strengths and weaknesses and address needed changes. This review complements the review of the School's BSPH program.

Sorenson said that major changes are in process at the master's level. These include a reduction in the number of hours required for the master's degree and time spent in field activities, an increase in

courses in qualitative and quantitative methodologies, and more preparation in the management skills and tools increasingly needed to practice health education today. "Along with these changes," he continued, "we are reviewing our admissions process and criteria and are planning a new recruitment program to assure that the Department obtains the best students available. At the same time we recognize the need for and value of a diverse student body."

Finally, the doctoral programs (Ph.D. and Dr.P.H.) have recently undergone a review and a reaffirmation of program policy. The Department, as part of this initiative, has submitted a request for a doctoral training program in Cancer Control and Prevention and is actively seeking additional sources of funding to support doctoral students. Under the direction of Dr. Karl Bauman, doctoral program director, the size of the doctoral program is to be increased gradually over the next few years. "This also is to be done in conjunction with the new recruitment effort to assure that we obtain the best doctoral candidates," he concluded.

Sorenson believes that these initiatives regarding the academic programs reflect a recognition by the faculty that the field of health education is in the process of significant change. The change includes a growing recognition of the potential contributions of the social and behavioral sciences to health education. Moreover, there is a growing commitment to establishing a firmer empirical and data base in order to develop effective health education and health promotion programs and a recognition that practitioners of health education today find themselves in a larger variety of settings - clinics, businesses, state and federal agencies, health departments, and schools.



Sorenson

"It is our conviction," he said, "that practitioners need exposure to the complex problems found in these settings and to the skills in how to operate as effective health educators in them."

Even in light of the many changes discussed above, and the time commitment this has required, the Department faculty have remained very active professionally. Over the past two years they have published a total of 92 articles, book chapters and books and are reviewers or members of editorial boards of approximately 40 professional journals, including the major journals in health education, health promotion, and public health.

Also, significant strides have been made in increasing the research activities in the Department, with the current yearly financial support for externally funded projects in the Department exceeding \$1,000,000.

As the Department moves in to the 1990's it will face, along with health education generally, some important problems, Sorenson said. These include an increased federal, state, and public commitment to health promotion. "While this is good, we need to be ready to address the problems created by the fact that the knowledge base for many proposed health education and health promotion/disease prevention programs is not well established scientifically," he added. This can lead to premature and ill founded programs and interventions, and in the long run to political and public disenchantment with health education/promotion initiatives. The solution to this problem lies not only in health education, but in more precise and sophisticated epidemiological and clinical research, he concluded.

Another tension in the field exists between those who advocate using natural change processes to bring about increased health promotion and disease prevention activity and those who argue that such processes are too slow and that a more active "interventionist" posture must be adopted. To some extent, Sorenson added, this is an argument between an older view of health education and a newer perspective more committed to developing and testing interventions. "This is a complex issue, and one that the field will be grappling with for some time," he said. "Within the Department we are attempting to provide an opportunity for both positions to be represented, and ultimately put to an empirical test to determine which is more effective. Undoubtedly, good research will suggest that both perspectives are needed and this research will identify the conditions under which each approach, or a combination, can be most effective."

Suther Named Administrator of the Year



Mary Suther, president and chief executive officer of The Visiting Nurse Association of Texas, was named the 1987 Administrator of the Year by the National Association for Home Care (NAHC). The award was made at the NAHC annual convention in Washington, DC. Suther is a 1971 graduate of the Department of Health Policy and Administration.

The award is given from time to time to honor one individual who has done a particularly excellent job running a home care agency. In her short acceptance speech, Suther stated that above the door of Ross Perot, the well-known Texas entrepreneur, hang the words "Every good and excellent thing stands moment by moment on the razor's edge of danger and must be fought for." In the face of difficulties in obtaining funding for necessary programs and more stringent financial and programmatic regulations from the government, she said that providing the benefits of home care to those in need is something that must continue to be fought for. Suther praised her staff for rising to that challenge. "The success of the Visiting Nurse Association is due to the collective efforts of all who have worked hard at the agency to provide quality service."

The Visiting Nurse Association of Texas is a comprehensive home care agency which provides traditional home care services, as well as newer "high tech" services such as enterostomal therapy, diabetic services, intravenous nutritional support, maternal/child health, pulmonary, psychiatric and cardiovascular services. In addition, VNA has added services to meet the demands of today such as an AIDS treatment program. The agency has been awarded a grant from the Robert Wood Johnson Foundation to initiate a comprehensive program of supportive services for older citizens. Based in the Dallas/Fort Worth area, VNA serves 27 counties in North Texas.

Among other recipients of awards was Dr. Victor E. Frankl, professor of neurology and psychiatry, University of Vienna Medical School of Psychiatry and distinguished professor of logotherapy, U.S. International University who received the Foundation for Hospice and Home Care Lifetime Achievement Award. Frankl is the author of *Man's Search for Meaning*.

Does Mass Media Effect Adolescent Smoking?

By Karl E. Bauman

Will a mass media campaign prevent or delay the onset of regular cigarette smoking in early adolescence? That is the major question being addressed by a \$3.3 million research grant from the National Cancer Institute of the National Institutes of Health.

Use of mass media in public health has taken many forms, including 10 second television announcements, 45 minute talk shows, and billboards. The mass media approaches evaluated by this research were designed to be practical so that, if found effective, they could be readily implemented nationally.

The campaign featured 30 and 60-second television and radio messages that were produced after a year of extensive formative research by the investigators. One type of message featured adolescents talking about the consequences of cigarette smoking known to contribute to avoidance of that behavior, such as disapproval by peers and adults. Another type of message featured the "I Won't Smoke Sweepstakes" that was broadcast on television and radio. The broadcast announcement of the sweepstakes had several purposes, including obtaining the names and addresses of teenagers, who, in turn, were mailed an offer to receive pay for personally recruiting five friends to pledge not to smoke cigarettes and to enter the sweepstakes. Both types of messages were guided by theory and research in the areas of behavioral decision making and social influence.

The messages were broadcast on television and radio during a six month period. Since few people are usually reached by public service announcements that rely on donated time, the broadcast time was purchased through an advertising agency. The messages were broadcast at levels considered to be appropriate by advertising experts for achieving effects at reasonable cost.

To evaluate the campaign, ten metropolitan areas throughout the Southeast United States were randomly allocated to receive one of several forms of the campaign or to serve as control. In the study areas, 1,600 adolescents and mothers who were randomly selected to complete questionnaires and provide biochemical specimens in their homes before the campaign and two years later. Biochemical indicators were used to validate self-reports of smoking. All data have been collected for the research and are now being prepared for analysis.

If the mass media campaign is effective, this research could provide a model for a national campaign in the United States. The National Cancer

Institute and others are eagerly awaiting results to help determine whether similar smoking prevention efforts should be implemented on that scale. However, just because mass media campaigns to influence health behavior are ubiquitous does not mean that they are effective. Other factors could be such powerful determinants of behavior that mass media campaigns play a negligible role in preventing harmful behavior. Finding that the campaign had no effect would be extremely important in view of the millions of dollars now spent annually for comparable and much less intensive public health campaigns. Knowing whether the mass media campaigns evaluated by this research prevented the onset of cigarette smoking by adolescents must await the conclusion of the analysis now underway.

This study has benefited from regular, personal communication among smoking behavior researchers in major institutions in the United States. Twice a year the National Cancer Institute sponsored workshops that were attended by grantees, other researchers, and behavioral interventionists working in smoking prevention and control. Investigators reported at the workshops on the progress of their research and shared ideas and research protocols. Direct products of the network included the frequent exchange of data collection instruments, a presentation in the 1986 Surgeon General's Report on the prevalence of adolescent smokeless tobacco use in many areas of the United States, and a monograph that describes major mass media campaigns now being implemented to reduce cigarette smoking. Partially as a result of this network, the Department of Health Education study was featured at a seminar in Bristol, England, sponsored by the Health Education Authority of the United Kingdom to plan a major country-wide mass media campaign for health promotion.

* * * * *

Dr. Karl E. Bauman, professor of health education, is principal investigator for the five-year study. Principal collaborators are Dr. Jane D. Brown, associate professor of journalism and Dr. Gary G. Koch, professor of biostatistics, School of Public Health. John M. Sweeney, clinical assistant professor of journalism, helped design the media messages. Department of Health Education staff members Connie Padgett, administrative assistant, and Elizabeth S. Bryan, social research associate, have been instrumental to the success of the study. The research has also benefited from the insights of many students, ranging from high school seniors to advanced doctoral candidates, who have used the project as a learning laboratory and for employment.



From the Desk of the Dean

Our excitement continues to mount as we observe the progress of the new public health building. The shell of the main building is complete except for finishing touches and the sections connecting the new structure with Rosenau Hall. We anticipate that the construction of the interior office space, classrooms and laboratories now underway, will progress more slowly. The most recent completion date is January 1989.

Much of the planning for the new building has been accomplished with the assistance of the School's Space Committee, chaired by Dr. Hilton Goulson, PALP. Substantial renovation of Rosenau Hall has always been a part of the plan to improve our facilities. The University has given permission to begin the formal planning process for this renovation and has hired an architectural firm. I have asked Dr. Goulson to serve as Special Assistant to the Dean for Facilities Planning to manage the new construction and the renovation of Rosenau and appreciate his willingness to accept this important responsibility.

In another matter relating to the new building, I have forwarded, with the support of the faculty, a recommendation for naming the facility. It is being processed through the University at this time. We would like to have the formal naming of the building in conjunction with the dedication.

Several self studies of departments and programs have been conducted in the School. The study of the Department of Parasitology and Laboratory Practice was completed recently with a visit of the external review team. Both parasitology and epidemiology would like to expand their research and teaching programs related to infectious diseases and are examining potential avenues of collaboration. Studies of the International Health Program and the BSPH Degree Program are underway also.

The search for a new chair for the Department of Environmental Sciences and Engineering is nearing completion. Candidates are now visiting the School for interviews. The Search Committee expects to forward their recommendations in the near future.

The School Alumni Association is planning regional meetings of alumni. The first was held in the Triangle area in November at Burroughs Wellcome. Attendance was excellent and alumni expressed the desire to have the meetings periodically. The next meeting is planned for Charlotte.

It is a special pleasure for me to meet with you in your region and I look forward to the expansion of these events in the future.

Michel A. Ibrahim, M.D.
Dean

Dental Public Health

From pg. 2

The survey of school children was updated in 1986-87 by Dudney and Rozier. Rozier said that there has been a 50 to 60% decline in dental caries in most school children during the 25 year period from 1960 to 1986. "The decline is most dramatic over the last ten years," he said, "Also, there has been a tremendous increase in treatment, with three fourths of the dental caries being treated. This is evidence of the success of the North Carolina preventive dental program of which the State can be very proud."

Of the 142 persons who have received MPH degrees in dental public health in the 35 years since the program began, 18 have remained in North Carolina and five have received doctoral degrees. Graduates have taken positions of leadership in the Armed Services; in national, state and regional dental public health programs; universities; private practice; in international dental health programs; and as medical consultants. Dr. Daniel R. Whiteside, 1961 graduate, has been named Assistant Surgeon General and chief dental officer of the U.S. Public Health Service.

"The dental public health programs currently available include the Master of Public Health program, on campus and regional degree; the Master of Science in Public Health, two years; a conjoint DDS/MPH program with the UNC School of Dentistry; and the dental residency program in Raleigh with options for a MSPH or MPH degree," Rozier said. "There are currently 21 dentists enrolled. Fourteen of these are in the regional degree program."

"Sixteen residents have completed the Dental Public Health Residency Program, receiving their field training from the state dental public health program," Rozier said. "It is the opportunity to participate in a first rate program of dental public health which makes the UNC program second to none."

Child Survival in Ecuador

by Deborah Bender

Have you ever made monthly contributions to support a child in a far away country? Do you ever wonder what happens to that money ... how it is spent? I recently assisted in the evaluation of one such program, funded in large part with US-AID Child Survival monies. As one member of a five-person interdisciplinary team, I travelled to Porto Viejo and Quito, Ecuador to visit the communities in which Save the Children was working and to assess progress made towards the promotion of health and survival of children and their mothers through family training in selected health-related behaviors, the program goal.

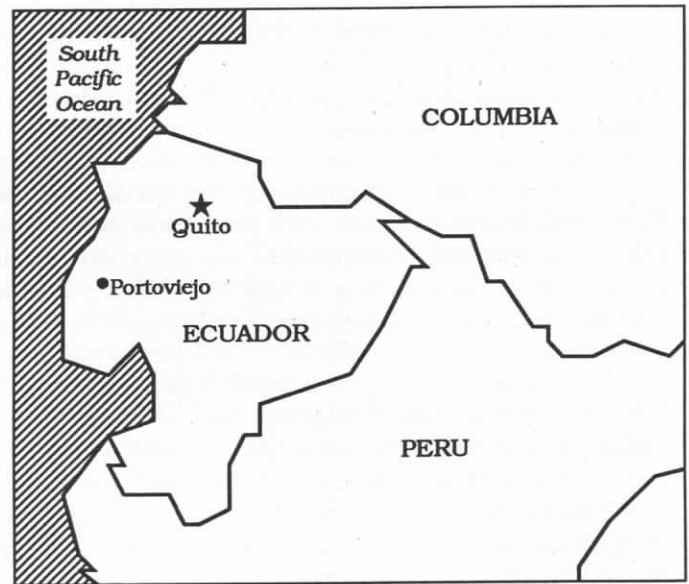
Save the Children raises program funds through child support programs. The organization also seeks grants and contracts to assist them in their program operations.

The Child Survival project I visited is targeted to residents of four of the urban "barrio" communities where the Infant Mortality Rate is 30% higher than the national average of 70 per 1000. Key interventions of the Child Survival program are immunizations of infants and toddlers against common childhood diseases (diphtheria, pertussis and typhoid, polio and measles); training of mothers in the proper preparation and use of Oral Rehydration Therapy (ORT) and periodic monitoring of the growth of under-fives. Related funds, such as those contributed by you for support of a child are used to furnish hot meals in a community preschool or to assist in the construction and stocking of a community grocery.

Each of the communities in which Save the Children is working has a different pattern of social interaction and a distinctive history. Building on the individuality of the communities and involving the community in activities which have priority for the people served has contributed to the success of the programs described here.

One of the communities, located fortuitously on one of the foothills of the Andes mountains, has banded together to build a gravity-fed water tank. All of the construction work has been done by residents of the barrio on a volunteer basis. Save the Children contributed the funds necessary to purchase materials, including cement and plastic tubing.

Twice a month, the residents organized "mingas", or weekend workdays. Some dug trenches while others laid pipes or poured cement; still others prepared meals for the those involved in the construction. The work continued for a whole year. Community members made collective decisions as



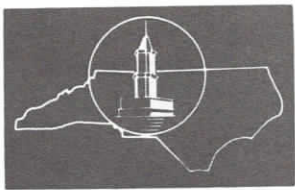
to how to equitably distribute the water to two residential areas, located on either side of the foothill. As a sense of team spirit developed among the workers, they also decided "no work, no tap" for that household.

As a result of their concerted effort, the community not only has a gravity-fed clean water system, adequate for basic needs, but also a strong sense of community identity and appreciation of what they can accomplish together as a group.

Another of the barrios was located on the sandy soils of vacant farmlands south of the capital city of Quito. Among the community health workers were several who had participated in the dark-of-night invasion when the land was claimed by the peasants five years previously. Several of the community health workers involved in the child survival program recall the solidarity they felt that night when confronted with the daily problems of malnutrition and disease of their under-five population. Lack of accessible water and the sandy arid soil exacerbate these conditions. The community health workers seemed to draw renewed strength from their recollections.

In each of these communities, and in others like them, project staff work closely with community health workers (CHW), primarily women, ranging in age from early twenties to late forties. The CHWs assume responsibility for registering all residents in a section of the community. On a monthly basis they are responsible for home visits and for monitoring illnesses occurring to young children.

Cont. on pg 12



From Near and Far

Alumni News

1944 - Ellen F. Rice, HEED, is enjoying retirement with two daughters and a 16 year old granddaughter. The family spends much of the summer in their cabin in the Canadian woods ... **Lucille Brownell, HEED**, is on the committee planning and raising funds for her 50th reunion at Russell Sage College. Also, she is co-chair of a committee in Cambridge, NY to restore the opera house in Washington County ... **Cleta Null Rodgers, HEED**, writes that she is still active in volunteer work in Ojai, CA.

1945 - Cassie Smith Feagin, HEED, was health educator in MS for 12 years, first in Bolivia County where she was employed by the local health department and the public school system and later as state health education supervisor. The daughters of her husband, Lawrence Feagin, and their grandchildren have been her interest and concern since her retirement from public health ... **Ted Butterworth, HEED**, of Hummelstown, PA writes that he is still mobile and breathing.

1946 - Dorothy F. Dunn, HEED, writes from Champaign, IL that visits to friends in retirement centers are now more frequent. She is active in Retired Senior Volunteer Programs, interest groups and church activities. Dorothy has sent her Christmas greetings for more than 30 years in rhyme to 300 relatives and friends ... **Ruth Thompson Jobe, HEED**, is retired and involved in Lifeline program, Pilot Club, Kappa Kappa Iota, teaches Sunday School and has four grandchildren ... **Isabel A. Lee, HEED**, has been retired since 1971 and is living in Indianola, MS ... **Erna E. Wilson, HEED**, is retired assistant professor of health education, Southern Univ., Baton Rouge, LA. Since retirement in 1981, she is the owner of a copying service ... **Helen Massengale, HEED**,

is updating her family history ... **Mary Lib Foster Webb, HEED**, writes that she and Toby do lots of volunteer work and are enjoying their three grandsons ... **Eloise Young and Everett Aultman, HEED**, are still in New Orleans, LA. Everett is part-time executive of GPOA Foundation which makes grants to children's causes in LA. Eloise retired from teaching in 1987. Everett was in the hospital 5 months last year with Guillian-Barre, but is now walking without no aid. They have three sons and four grandchildren.

1947 - Annie Ray Moore, HEED, was the keynote speaker for the NC Lutheran Women's convention. In October, during the celebration of the Guilford College Sesquicentennial, she was one of four alumni given special recognition ... **Howard M. Fitts, HEED**, retired July 1987 as professor and chair, Department of Health Education, North Carolina Central Univ. Since retirement, he has been named chair, Durham County (NC) Board of Health.

1948 - Sarah Malpas, PHNU, has illustrated a children's book, *Johnny Christmas Angel*. Sarah lives in Pensacola, FL, where she was director of nursing at the health department before retiring ... **Dorothy Nelson Nearing, HEED**, is coordinator of the Senior Seminar, Community Education Napa Valley College, Napa, CA. Class attendance is about 45, ranging in age from 55 to 90 ... **Leon Bickham, HEED**, received the Whitney M. Young Memorial Award for 50 years of service at the annual meeting of the New Orleans Urban League. Among his noted achievements were health education specialist, New Orleans Health Dept.; health education consultant and program director, United Nations and WHO; and program director, U. S. government's anti-poverty and aging programs.

1950 - Charles A. Harper, PALP, retired associate dean of the UNC SPH, served as interim director of the Orange County Health Department during the search for a new director. He served in the same capacity in Chatham County ... **Major L. Nimock, HEED**, has retired with 43 years of government service, the most recent position being 20 years as manager, Ohio Bureau of Employment Service in Dayton. He is now head of Nimock Enterprises (construction, remodeling, real estate sales) ... **Carlyle Health Center**, owned for the past 18 years by **Wayne Messick, HEED**, and his wife, was one of five Illinois nursing homes to receive a special Governor's Award for Superior Achievement from the IL Dept. of Public Aid. The center was honored for superior achievement and for implementing the DPA Quality Incentive Program.

1951 - Victor Rossing Jr., ENVR, retired January 4, 1988. He is living in Oshkosh, WI ... Following a 36-year career in the pharmaceutical and medical device industry, **Sumner Kaufman, ENVR**, retired in October from his position as manager, Employee Safety, Health and Environmental Affairs, Davis and Geck Division, American Cyanamid Company, Danbury, CT. A long-term reserve officer in the USPHS, he has served tours of active duty at Mercury, NV monitoring above ground atomic testing and at Ft. Chaffee, AR following the Mariel Cuban Refugee influx. In 1983, he was appointed by Gov. William O'Neill for a four-year term as director of the Connecticut Hazardous Waste Management Service. The quasi-public corporation is responsible for planning prudent management of the CT hazardous wastes through the year 2005. Personal plans include building a new home on Cape Cod and pursuit of many personal interests ... **Aubrey Chris Nutter**,

Cont. on pg. 16

Injury Reduction is Goal of New UNC Center

Last year more than 4,000 North Carolinians died and nearly 60,000 others were hospitalized, all as a result of injuries. Researchers at the University of North Carolina Injury Prevention Research Center (IPRC) hope to reverse this trend.

The center is a joint program of the UNC Highway Safety Research Center and the UNC Center for Health Promotion and Disease Prevention. According to Dr. Patricia Waller, IPRC director and research professor of health policy and administration, the center will coordinate research, teaching and service activities for injury prevention in an effort to increase the awareness of injuries, improve record-keeping systems and develop effective ways to reduce the needless death and disability of North Carolinians and other residents of the Southeast.

Dr. Carol Runyan, associate director of the new center and research assistant professor of health education, says that North Carolina injury death rates are higher than the U.S. as a whole. "These unusually high risks," she says, "are for shootings; poisonings; drownings; burns, especially from house fires; injuries to pedestrians; and injuries in motor vehicle crashes."

House fires kill close to 200 North Carolinians each year while nearly 1,000 die from gunshot wounds and 200 drown. Another 1,500 die in motor vehicle crashes.

"While we have good information about trauma deaths, we know very little about the injuries that result in visits to the emergency room or hospitalization," said Runyan.

To learn more about the causes of injuries, IPRC researchers are collecting information about trauma victims who use hospital emergency rooms across the state. "This will help establish a good record-keeping system," says Runyan said, "and aid researchers in identifying injury trends."

This work is being done in collaboration with the state's new trauma registry, a program being funded by the Governor's Highway Safety Program through the state Office of Emergency Medical Services. The program, coordinated by the UNC School of Medicine, currently includes six hospitals but may expand to others later.

The center is also tracking how fluctuations in the economy influence injury patterns, especially motor vehicle crashes, homicide and suicide.

Studies have shown that long-term motor vehicle fatality trends are linked to changes in the number of unemployed workers, employed workers and people not available for the labor force. By revealing which population groups are most at risk when

the economy fluctuates, this investigation will help researchers figure out how to reverse the process.

A third facet of the project involves working with people throughout North Carolina to organize programs for childhood injury prevention. Such programs could include encouraging homeowners to install smoke detectors, informing parents and other care-givers about child safety in relation to swimming areas and guns, and advocating new laws on regulating hot water heater settings to protect children from scalds.

IPRC researchers will work with the state Division of Health Services, which already has begun a program to prevent injuries to children at home, and the NC Passenger Safety Association (NCPSA) whose members have demonstrated an increasing interest in all types of injury prevention.

"The efforts of the NCPSA on behalf of child occupant protection has helped to put North Carolina in the forefront in child passenger safety," said Waller. "Their achievement combined with the passenger safety experience as a whole in North Carolina, serve as a model for all injury prevention."

Bicycle injuries are also being addressed by the new center. Researchers estimate that up to 10,000 North Carolina children may be visiting hospital emergency rooms each year to get treatment for bicycle-related accidents.

Information from 18 NC emergency rooms will help researchers develop a clearer picture of the bicycle injury problem and better evaluate the need for prevention strategies such as helmet use campaigns or educational programs in the schools.

The combined effort of the UNC IPRC is an extension of 20 years of research by the Highway Safety Research Center and more recent emphasis on injury control at the UNC Center for Health Promotion and Disease Prevention, sponsored by the schools of dentistry, medicine, nursing, pharmacy and public health, as well as the Office of the Vice Chancellor for Health Affairs.

The Centers for Disease Control also funded injury centers at Wayne State University, Seattle's Harborview Medical Center, Johns Hopkins University and Harvard University.

This article is reprinted from *Highway Safety Directions*, a newsletter of the University of North Carolina Highway Safety Research Center, Fall 1987, Vol. 1, No. 1



Life Members

The names of the persons who have selected life membership in the School of Public Health Alumni Association since the publication of the June 1987 *Body Politic* follow.

381. Robert M. Quillin, Columbus, OH
382. Ruth Ann Etzel, Chamblee, GA
383. Barbara B. Rumer, Durham, NC
384. Peter C. Reichle, Blowing Rock, NC
385. William Pew Brandon, South Orange, NJ
386. Carol N. Henes, Evanston, IL
387. Robert T. Jono, Galveston, TX
388. Li-Mei Linda Chen, Taipei, Taiwan
389. Nancy Lee Rucker, Washington, DC
390. Cherry M. Beasley, Lumberton, NC
391. Carl E. Bergsagel, APO, New York
392. Annie L. Hayes, Whiteville, NC
393. Thomas A. Ridgik, Gainesville, FL
394. Fredrick S. Whaley, Chapel Hill, NC
395. Charles B. Hamilton, Knoxville, TN
396. Willie S. Johnson, Oak Ridge, NC
397. Ottis L. Ader, Walkertown, NC
398. Marc R. Alston, Denver, CO
399. Elizabeth Berryhill, Greenville, NC
400. Melida Colindres, Chapel Hill, NC
401. Raymond H. Cypess, Ithaca, NY
402. Constance E. Gates, Dade City, FL
403. Dorothy A. Huskey, Huntsville, TX
404. Sally L. Liska, San Jose, CA
405. Anthony R. Measham, Bethesda, MD
406. John M. Pascoe, Okemos, MI
407. Mary G. Buie, Fayetteville, NC
408. Paul M. Feldblum, Durham, NC
409. Hugh G. Shearin, Jr., Taylorsville, NC
410. Cheryl E. Townsend, Bryn Mawr, PA
411. Sung Hee Yun, Rockville, MD
412. Ralph Pollock, Hartford, CT
413. Helen M. Turner, Winter Haven, FL
414. Carl Yoshizawa, Honolulu, HI
415. Rosa A. DeBerrios, Rio Piedras, PR
416. Stephen M. Smith, Whiteville, NC
417. Angie Hemingway, Chapel Hill, NC
418. Eugene Hines, Clinton, NC
419. Ethel Spivey, Inverness, FL
420. Kathie Moon, Key Largo, FL

The life membership fee is \$250 and may be paid in monthly payments. Checks should be made payable to the School of Public Health Alumni Association and designated to Public Health Association life member. Mail to Ms. Harriet H. Barr, Dean's Office, CB #7400 Rosenau Hall, Chapel Hill, NC 27599-7400.

Reimer Appointed Director

Daniel B. Reimer has been appointed director of the Orange County (NC) Health Department.

A 1974 health policy and administration graduate, Reimer returned to Chapel Hill after serving for five years as a consultant to the secretary of health and social welfare in Bophuthatswana, Africa. Reimer said that he will draw on his experience in that arid, rural country to find solutions for public health problems in Orange County.

"In Bophuthatswana many public health problems result from a lack of immunization, poor water and sewer systems, and some malnutrition," he said. "The public health problems are not the same as those in Orange County, but some of the solutions are similar."

One solution for improving public health is to take health services closer to people's workplaces and homes, he said. "We have to get out from behind the walls of the health department and into the rural community."

"Orange County has a higher rate of certain kinds of childhood conditions," Reimer continued. "We have higher rates of breast cancer and hypertension than we should have. The encouraging thing is that a lot of these problems can be prevented through health education."

In an effort to approach people in the workplace, the health department began a year long health improvement program in January geared to county employees. The program, called "Health Yourself," will identify health risks and health department staff will help the individual devise a health improvement plan.

Reimer was director of the Mountain Area Health Education Center in Asheville, prior to serving as consultant in Bophuthatswana.

This newsletter was typeset using the TeX typesetting system, and printed from copy supplied by the editor. TeX is a trademark of the American Mathematical Society.

Department Chairs Appointed

Health Policy and Administration

Dr. Kerry E. Kilpatrick has been appointed professor and chair of the Department of Health Policy and Administration effective December 28, 1987.

Kilpatrick comes to UNC from the University of Florida at Gainesville where he was director of the Center for Health Policy Research from 1981. He also held faculty appointments as professor of community health and family medicine, professor of industrial and systems engineering and professor of health services administration.

A native of Baltimore, Kilpatrick holds the B.S.E., M.S. in business administration, and Ph.D. in industrial engineering from the University of Michigan and the M.B.A. degree from Harvard University.

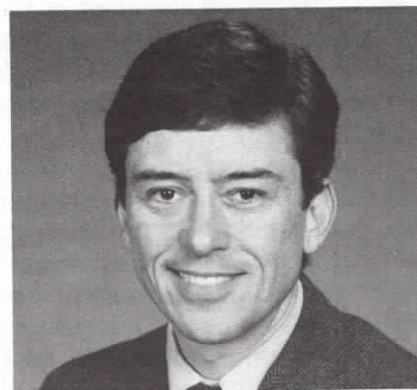
His research interests include the application of operations research methods in health policy analysis, the development of planning decision support systems, and policy formulation for the financing of indigent health care and health professions education. In the past several years he received over \$2.6 million in funding for research in these areas of investigation, and has published extensively in leading journals devoted to health services research, health policy and systems analysis, and operations research.

In 1984-85 Kilpatrick served on the health policy staff of U.S. Senator David Durenberger, R-Minn., as a Robert Wood Johnson Health Policy Fellow. He worked principally on Medicare legislation dealing with outpatient surgery, the funding of graduate medical education, and preventive health care measures under Medicare.

He is a member of the Association of Health Services Research, the Institute of Management Sciences, the Operations Research Society of America, the American Institute of Industrial Engineers, and the Hospital Management Systems Society.



Kilpatrick



Margolin

Biostatistics

Dr. Barry H. Margolin has been appointed professor and chair of the Department of Biostatistics effective November 15, 1987.

Prior to accepting the position at the School of Public Health, he was mathematical statistician since 1977 in the Biometry Branch, National Institute of Environmental Health Sciences, Research Triangle Park, NC. He was also an adjunct professor of statistics at UNC-CH. Margolin has held positions on the faculty of Yale University as associate and assistant professor of statistics and director of graduate studies in statistics.

A native of New York City, Margolin received the B.S. degree in mathematics *summa cum laude* from City College of New York and the M.A. and Ph.D. degrees in statistics from Harvard University.

His research and publications are in the areas of statistical design and analysis of experiments with particular emphasis on studies in genetic toxicology.

Margolin is a fellow of the American Statistical Association and a member of the Environmental Mutagen Society, the Genetic and Environmental Mutagen Society, the Institute of Mathematical Statistics, and the International Statistical Institute. He has been editor of the *Journal of the American Statistical Association* and the *Annals of Statistics* and is currently associate editor of *Environmental Mutagenesis*.

Honors include the 1977 Shewell Award of the Chemical Division, American Society for Quality Control, the 1981 George W. Snedecor Award from the American Statistical Association, and the NIH Director's Award in 1986. He served as statistical and data processing consultant to the World Health Organization's International Program on Chemical Safety from 1982 until 1985 and has been elected councilor of the Environmental Mutagen Society for a three-year term from 1986-1989.

Pearson Honored

Clarence E. Pearson, president of the National Center for Health Education, received the Distinguished Fellow Award from the Society for Public Health Education, Inc. at the 1987 annual meeting held in New Orleans, LA.

Pearson was honored for his role as consultant to many health and human service organizations, his effective leadership at Metropolitan Life in the development of health and life insurance products, his efforts to see that health education and health promotion are based on empirically sound principles, and his development of the Center for Health Education which provides a mechanism for public and private organizations to work collectively for the health of the American people.

An employee of Metropolitan Life Insurance Company for twenty-five years, Pearson retired as assistant vice president in 1987. He is a 1952 graduate of the School of Public Health's Department of Health Education. In addition to serving as president of NCHE, he is consultant to a variety of health education organizations and is adjunct professor in the Department of Health Education. He is president-elect of SOPHE.

Alumni Deaths

It is with sincere sympathy that we announce the deaths of the following alumni.

J. Eddie Brown, MPH 1957, HEED, died on the golf course on Nov. 30, 1987 from an apparent heart attack. He was the first director of the NC Governor's Council on Aging and had been retired for several years from his last position with the Family Planning Branch, NC Division of Health Services ... **C. Melisse Hogsed**, BSPHN 1948, PHNU, on Feb. 4, 1988 in Chapel Hill, NC ... **Harry Rolf Germer von Scorebrand**, MD, MPH 1940, HPAA, on Dec. 27, 1987. He served as Commissioner of Health, Anchorage, Alaska; physician in Hawaii; in the directorate of the Leprosy Relief Assn., Ryukyu Islands; chief medical officer, Univ. of Nigeria. In 1953 he arranged for a "Bell-for-Airakuen" Leper Colony. ... **Elizabeth "Libby" Stanley**, MPH 1953, PHNU, on August 14, 1987 in Bedford, VA ... **Lucinda L. Thomas** in Bennettsville, SC. She had been director of public health for the SC Dept. of Health and Environment. Survivors include her husband, **Dee C. Breeden**, MPH 1974, MHCH ... **Nancy Fike Thomas**, BSPHN 1964 & MPH 1968, PHNU, on May 18, 1987 in Eugene, OR ... **Sarah E. Walker**, MSPH 1946, HEED, on March 29, 1987 in Concord, NC ... **Eva W. Warren**, MPH 1951, PHNU, on Jan. 17, 1988. At the time of death, Eva was in the Presbyterian Home at Hawfields, Mebane, NC.

Child Survival

From pg. 7

If a child has diarrhea, was it treated with oral rehydration therapy? Was the solution mixed properly? Are immunizations complete? Is it time for a booster? In addition to monitoring health status, the CHW provides informal training and support to mothers in health-related areas.

The Child Survival Program is assisting not only Save the Children but also a number of other private voluntary organizations (PVOs) who are working in one or more of 22 target countries. The funds for the program are allocated by Congress and are administered by the U.S. Agency for International Development. The "Twin engine" approach, targeting immunizations and oral rehydration, with secondary attention to nutritional components, including breastfeeding and growth monitoring, grew out of successive refinements of the Primary Health Care approach.

While still not the "perfect answer" to delivery of health services in scarce resource environments, the Child Survival program represents a significant commitment on the part of the Congress. The first funding, \$25 million, was allocated in 1984, and was in large part motivated by the outpouring of emotion in response to the tragic African Famine. In 1985 and 1986 Congressional allocations to the Child Survival budget have been increased rather than the reverse, indicating a successful transfer of human emotion to development aid.

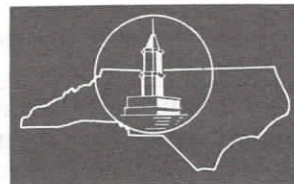
The monthly contributions which you may make to Save the Children, support not only the child whose picture you cherish, but also classmates and playmates through community development, school nutrition and day care programs for working parents.

In the local communities in Ecuador, where the Save the Children community health workers make monthly home visits to check on the children and to assist mothers in improved child health care, most of the people are unaware of the dimensions of these larger development aid patterns. There they are more likely to appreciate the simple joy of being able to see their little one grow-healthier and happier than before.

Deborah Bender, Ph.D., M.P.H. (HPAA 1981) is clinical assistant professor, Department of Maternal and Child Health. She has been working in Bolivia, Colombia, Ecuador, and Peru, in primary health care program planning, training of health professionals in community health and in the evaluation of child survival and family planning programs.

On Campus

Faculty and Student News



Marion Highriter, PHNU, has been named deputy chair for student affairs, Curriculum for Public Health Nursing.

Marla Salmon, PHNU, spent the month of November in Australia and New Zealand under the sponsorship of the Kellogg National Fellowship Program. She was keynote speaker in February at a provincial conference, "Choices and Challenges in Public Health," held in Winnipeg, Canada.

Bonnie Rogers, PHNU and School of Nursing, was awarded the 1987 Otis Clapp Research Award by the Am. Assoc. of Occupational Health Nurses.

Donald G. Willhoit and **James E. Watson Jr.**, ENVR, made presentations in March to a NC Legislative Committee on Low-Level Radioactive Waste Management. Willhoit chairs the External Affairs Committee of the NC Low-Level Radioactive Waste Management Authority while Watson chairs the Low-Level Radioactive Waste Management Committee of the NC Radiation Protection Commission.

Richard Andrews, ENVR, has been elected chair of Section X, Societal Impacts of Science and Engineering, Am. Assoc. for the Advancement of Science.

Frances Lynn, ENVR, has been elected secretary and executive board member, Society of Risk Analysis. She recently received funding from the National Science Foundation to study the values and ethical issues arising from environmental application of biotechnology.

Devetta Holman, health educator at UNC and coordinator of campus National Condom Week activities, moderated a panel discussion, "Are Condoms the Answer?" as part of the week's program. Panelists were **Sue M. Gray**, director of health

education, Student Health Service and 1974 HEED graduate; **Jess Shatkin**, HEED graduate student who worked with the founders of National Condom Week at Berkeley in 1978; **Michel A. Ibrahim**, dean, School of Public Health and EPID, chair of the campus AIDS Committee; **Rebecca Reyes**, a Presbyterian minister in the UNC Chaplain's Association; and **Inge Corless**, chair of secondary care, School of Nursing.

Jim Summers, assistant dean, has resigned his position at the SPH to become associate director of planning and program development, NC Memorial Hospital.

R. Gary Rozier, HPAA, has been elected vice president of the 50-year-old American Association of Public Health Dentistry. Rozier will serve as president-elect for 1988-89 and president, 1989-90. He is co-author

An article by Dee Reid in the December issue of *The Independent* refers to the School as UNC's Hidden Treasure. A few of the reasons why:

- The School is considered the most outstanding in the nation when it come to epidemiological studies into the causes of cancer and heart disease.
- Its biostatistics department - the largest in the country - was the coordinating center for a groundbreaking nationwide study on how diet affects cholesterol levels and heart disease.
- The Department of Environmental Sciences and Engineering is considered a leader in research on the impact of the deterioration of the earth's ozone layer.
- And with more than 900 graduate and undergraduate students, the School is one of the largest institutions of its kind in the U. S.

of the book *The Natural History of Dental Diseases in North Carolina*.

The 1988 Junior Faculty Development Awards, funded by donations to UNC's Foundation Fund Inc., have been awarded to 33 assistant and associate professors. The \$3000 awards are designed to support research or scholarly work conducted by non-tenured faculty members. **Louise M. Ball**, ENVR, received an IBM junior faculty development award and **Thomas H. Rice**, HPAA, and **David A. Savitz**, EPID, UNC Foundation awards.

A team of faculty represented UNC at the 60th Annual meeting of the International Clinical Epidemiology Network (INCLEN) held in Pattaya, Thailand, January 1988. Members of the team were: **Robert and Suzanne Fletcher**, Medicine and EPID, co-directors of the UNC Training Center; **Brenda DeVellis**, HEED; **Robert DeVellis**, Multipurpose Arthritis Center; **Deborah Freund**, HPAA; **Russ Harris** and **Robert McNutt**, Medicine; and **Barnett Parker** and **Tom Rice**, HPAA. The meeting was held jointly with the International Epidemiological Association and Field Epidemiology Training Programs.

Herman A. Tryoler, EPID, discussed the epidemiology of cardiovascular disease during the Village Elders in Dialog with UNC Scholars lecture. The public project is sponsored by the UNC Division of Extension and Continuing Education, the Orange County Department of Aging and the Chapel Hill Parks and Recreation Program.

Tyroler and **O. Dale Williams**, BIOS & UNC Center for Health Promotion and Disease Prevention, were two of the NC representatives to the American Heart Association's 60th Scientific Session in CA.

On Campus

Barbara Hulka, EPID, Kenan professor and chair, received the 1987 National Merit Award presented by Delta Omega to the most outstanding faculty member in schools of public health nation-wide. Hulka was cited for her prominence in the field of cancer epidemiology and her contributions to public health policy in her role as a member of the Committee on Toxic Shock Syndrome and as chair, Committee on Passive Smoking organized by the National Academy of Sciences.

Allan Steckler, **Leonard Dawson** and **Eugenia Eng**, HEED, and **James Veney**, HPAA, collaborated with the African Regional Health Education Center of the University of Ibadan, Nigeria, to conduct a four-week course on "Developing the Health Education Component of Combatting Communicable Childhood Disease Programs."

James E. Watson Jr., ENVR, has been appointed to serve on the NC Radiation Protection Commission's Inter-Agency Committee on Low-Level Radioactive Waste. The committee is charged with assisting the Low-Level Radioactive Waste Management Authority and with advising the General Assembly on the various issues of siting facilities and managing low-level waste. Watson and **Douglas Crawford-Brown**, ENVR, are co-authors of "Predicting the Occurrence of Radon in North Carolina Groundwater."

Arnold D. Kaluzny, HPAA, has accepted a six month assignment as visiting professor, University of Washington at Seattle. He is lecturing, presenting seminars and serving as consultant to faculty and students.

John Briscoe, ENVR, was author of the lead article in a recent issue of *PAHO Bulletin* (Vol. 2, No. 2, 1987). The article, entitled "A Role for Water Supply and Sanitation in the Child Survival Revolution," states that such investments in the long-run make substantial contributions to the

improvement of health. Briscoe argues that the methodology used to arrive at the conclusion that water supply and sanitation are not cost effective health investments is systematically biased.

Participants on the program of the American Dietetic Association included **Mildred Kaufman**, **MaryAnn Farthing**, **Pamela Haines** and **Carolyn Sharbough**, NUTR. Kaufman reported the results of a survey on nutrition resources in state and public health agencies and Farthing discussed "Sensible Nutrition Education for Seniors." Poster sessions on the determinants of fish consumption among U.S. women and promoting the professional image, RD's on television, were presented by Haines and Sharbough respectively.

Howard N. Jacobson, MHCH & Institute of Nutrition, has been awarded the Agnes Higgins Award by the March of Dimes Birth Defects Foundation for outstanding achievements in maternal and child health nutrition. During his 30-year career, Jacobson's research on the role of nutrition in maternal and child health has resulted in numerous contributions to national policy on maternal-fetal nutrition.

John Hatch, HEED, has received the Cape Fear AME Zion Conference Award and the East Cedar Grove Baptist Association Service Award.

Leonard Dawson, HEED, is the recipient of the 1987 NC Society for Public Health Education Outstanding Health Educator of the Year Award. He served as chair of the NC SOPHE Legislative Committee.

Karl Bauman, HEED professor, transferred from the Department of Maternal and Child Health. His special interests are psychosocial determinants of health behavior and research methodology.

Cass Miller, ENVR, and his research team have received new funding from EPA and the U.S. Geological Survey for groundwater research. The EPA studies, being conducted in the lab and at a polluted aquifer site, are

examining aquifer response to purge-well rehabilitation. The USGS funding allows a laboratory investigation of multi-component sorption and desorption rates in saturated groundwater systems.

Richard M. Kamens, ENVR, spent three weeks in the People's Republic of China as a participant in a U.S. Environmental Protection Agency-Chinese cooperative scientist program. He presented a lecture series on atmospheric chemistry at Beijing University and assisted in developing a five-year atmospheric chemistry research plan for future cooperative efforts between EPA and Chinese environmental research agencies.

The Health Services Research Center, directed by **Gordon H. DeFries**, EPID & sociology, has been awarded a \$478,000 grant by the W. K. Kellogg Foundation to continue its evaluation of the effectiveness of health promotion programs the foundation finances across the country.

The second edition of *Health Care Management: A Text in Organization, Theory and Behavior* by **Stephen M. Shortell** and **Arnold D. Kaluzny**, HPAA, is now available from John Wiley and Sons.

Ralph S. Baric, PALP, is one of ten UNC researchers awarded grants or fellowships for cardiovascular-related research from the American Heart Association National Center and the AHA NC affiliate.

Louise Ball and **Avram Gold**, ENVR, co-chaired sessions at the 11th International Symposium on Polynuclear Aromatic Hydrocarbons.

Anita M. Farel, MHCH, is one of 13 faculty to receive a Frank Porter Graham Innovative Research Award. The awards were established in the fall semester 1987. Competition is open to all UNC-CH faculty and proposals may include collaborative efforts with students and research staff. Farel's research project title is "A Study of Public and Private Community Health Services for Infants with Chronic Lung Disease: Patterns of Availability and Utilization."

Cont. on pg. 15

On Campus

Nancy Milio, Sch. of Nursing and HPAA, was professor and consultant on development of a women's health studies curriculum, University of Limburg School of Public Health, Maastricht, Holland.

The UNC Center for Health Promotion and Disease Prevention is one of six U.S. universities to be chosen for a five-year program promoting a better fit between medicine and the health-care needs of the public. UNC was chosen in a national competition for the jointly funded, \$10 million program of the Pew Charitable Trusts and Rockefeller Foundation. The overall goal of the program is to make the health-care delivery system in NC more responsive to the most common health problems of state residents. Drs. William D. Mattern and Alan W. Cross, School of Medicine, are co-principal investigators. Changes will be made in the curricula in the Schools of Dentistry, Medicine, Nursing, Pharmacy, and Public Health to place more emphasis on prevention.

Dan Okun, ENVR emeritus, was in Lisbon, Portugal in February to speak on "Small Water Systems" at the International Water Supply Association Conference.

Berton H. Kaplan, EPID, has been reappointed to the National Advisory Committee on Psychosocial Aspects of Cancer.

Richard N. L. Andrews, ENVR and Inst. for Envr. Studies, has received two new grants to investigate policies for reduction and recycling of municipal solid wastes. The grants are funded by NC Pollution Prevention Program and National Association of Regional Councils.

The Health of the Republic by **Dan E. Beauchamp**, HPAA, concerns the link between equality and the health of the American republic, the health of its citizens as well as its democratic institutions. Beauchamp argues that "public health" and not "health care" ought to be of prime importance. He puts community interests at the

center of a theory of equality and demonstrates how protecting the public health is often a matter of strengthening civil liberties. This book is in the series Health, Society, and Policy edited by Sheryl Ruzek and Irving Kenneth Zola.

Russell F. Christman and **J. Donald Johnson**, ENVR, were honored by the American Chemical Society. Christman was recognized for 13 years of service as editor of the ACS journal, *Environmental Science & Technology*. Johnson was presented the 1987 Award for Outstanding Performance by Divisions. Since 1977, he has served as member-at-large, secretary, chair-elect and chair of the Division of Environmental Chemistry.

C. Arden Miller, MHCH, presented testimony to the National Commission to Prevent Infant Mortality hearing at the United Nations in February. Miller's testimony, included in Panel Three: What Can Be Implemented in the United States?, discussed international infant mortality comparisons.

Charles M. Weiss, ENVR, has received a life membership from the American Water Works Association in recognition of 30 years of continuous membership.

Howard Barnhill, HEED Emeritus & NC General Assembly, was a member of a panel for a short course sponsored by the Charlotte-Mecklenburg Urban League on Male Adolescence, Developing Strategies for Responsibility.

Donald Lauria, ENVR and Associate Dean, represented the School at a meeting in Medellin, Colombia organized by the Association of Schools of Public Health to discuss how schools of public health in the U.S. can assist their counterparts in Latin America. The conference was sponsored by PAHO.

Leaves of Absence:

From Sept. 1987 to Aug. 31, 1988 - **Dennis B. Gillings**, BIOS, to design a series of clinical trials for the pharmaceutical industry that would also provide educational experience;

John Briscoe, ENVR, to work with the Water and Urban Development of the World Bank, Washington, DC.

From July to Dec. 1987 - **Richard H. Shachtman**, BIOS, to investigate research issues in the area of health promotion and disease prevention problems.

Student News:

Laurie A. Quint, NUTR, has been awarded a \$500 Honorable Mention prize for graduate study by the Phi Kappa Phi Honor Society. She was one of thirty selected from a group of 180 of the nation's outstanding 1987 college graduates. She is in the first year of study for the MPH degree.

Students who were awarded scholarships from the NC Public Health Association and the programs in which they are enrolled are as follows:

Helen K. Jernigan, Regional Degree Program; **Larry A. Bunn**, Off Campus-Hickory; **Lynn F. Gurkin** and **Marilyn Norman**, Off Campus-Wilson; **Deborah K. Houston**, MPH, on campus student. All are HPAA majors.

The School of Public Health Program for Health Promotion and Disease Prevention has presented the 1988 Health and Human Services Secretary's Award for Innovation Health Promotion and Disease Programs to **Kurt Stange**, EPID. The topic of his paper was the use of a self-help behavior change manual to be distributed during medical encounters. The proposed manual will assist people in deciding on behavior change appropriate to their priorities, goals, and culture. In addition to developing a person's skills in analyzing personal needs and finding the best way to meet those needs, the guide will show people how to access community programs and family resources. In addition to the \$200 cash prize awarded locally, Stange's application will be forwarded to the national competition in Washington, DC.

Donna Lee Iozia, ENVR, presented a student paper at the annual meeting of the Carolina Chapter, Am. Industrial Hygiene Society.

Cont. on pg. 16

On Campus

Byron Raines, BIOS, represented UNC-CH at the Southern Intercollegiate Bowling Conference Tournament in Savannah, GA.

Dennis Cosmatos and **Greg Samsa**, BIOS, and **John Roeback**, EPID, are doctoral trainees in the Durham VA Medical Center's Health Systems Research & Development Field Training Program. Cosmatos will develop statistical methods which incorporate probability based exposure variables in modeling risk-related outcomes. Samsa's dissertation deals with the problem of regression to the mean and the analysis of change in epidemiologic studies to aid the improvement of diagnostic precision. Roeback will evaluate the effectiveness of a micro-nutrient (chromium) for increasing low HDL-cholesterol serum levels in patients who are taking Propranolol.

Alumni News

From pg. 8

HEED, says that "lifelong education" has beefed up her role as chair, Orange County Board of Social Services.

1952 - Matthew F. McNulty Jr., HPAA, retired chancellor of Georgetown University Medical Center, has been appointed visiting professor and consultant, School of Health-Related Professions, Univ. of Alabama at Birmingham. He will be a resource for the master's and Ph.D. programs in health services administration, program development in international and gerontology areas, research activities, and alumni activities. In addition, he was re-elected to a second term as president, National Capital Area Hospital Council and elected to the Board of Trustees, Hahnemann Univ., Philadelphia, PA ... **Patrick Accardi**, HEED, is director of health for Chesprocott Health District, Cheshire, CT. Of their four children three are married and one in college. They have three grandchildren.

1955 - Grace McDaid Braden, PHNU, has moved from California to Tennessee.

1956 - Arline M. Duvall, PHNU, is currently in Cairo, Egypt working with Project Hope.

1957 - Elmer G. Renegar Jr., HEED, is retired and has been elected to the Board of Directors, Sr. Citizens Center in Gallup, NM.

1958 - Diane Wheeler, ENVR, senior health educator, Montgomery County (MD) Health Department, has retired. She is living in Wheaton, MD ... **W. L. (Bill) Barton**, HEED, has returned to Devon, England after completing a WHO assignment in Africa ... **Cameron R. McRae**, HPAA, is retired and living in Binghamton, NY.

1959 - Richard H. Sudds, PALP, professor of microbiology, State Univ. of New York at Plattsburgh, writes "I have always felt grateful for and proud of my education at the School. Dr. John Larsh ran a strong program and department. We had a strong sense of direction and goals."

1964 - Rachel H. Allred, PHNU, assistant professor of nursing at UNC-G, received the 1987 Schering Occupational Health Nurse Award ... **George R. Barnard**, ENVR, has joined the staff of the National Loss Control Service Corporation in Concord, NC as senior industrial hygienist ... **Frank G. Wilkes**, ENVR & PhD 1968, has been awarded Master's Level Certification as a Hazardous Waste Manager by the Institute of Hazardous Materials Management. He is chief, Research Support Staff, U.S. EPA Research Laboratory, Gulf Breeze, FL and serves as the lab's environmental compliance coordinator and waste control officer.

1965 - Gene Mann, HEED, has been with the Adams County Health Dept., Quincy, IL since graduation, four years as health educator and 19 as administrator. He and his wife have six children.

1966 - Brenda Buchanan Lund, HPAA, has moved from Massachusetts to N. Ft. Meyers, FL ... **S. Mahmud Roshan**, HEED, is living in the U. S. after working in Yemen Arab Republic on a World

Bank Health Project, two years as advisor in training and manpower development and, two years until February 1987, as project advisor. He is director, Center for Cross Cultural Studies: Human Resource Development, Northwest Nazarene College, Nampa, ID ... **J. Jerome Rinaldi**, HEED, was recently selected as psychiatric director, for a newly opened Mental Health Clinic in Jefferson Parish, LA.

1967 - Daniel Y. C. Fung, ENVR, has been elected Fellow, American Academy of Microbiology; won the Distinguished Scholar Award, Kansas State Chapter, Phi Kappa Phi; been appointed scientific advisor, Food and Drug Bureau, Executive Yuan, Republic of China and National IFT Scientific Lecturer, 1987-1990.

1968 - William (Bill) L. Joyner, PALP, teaches in the University of Nebraska Medical School in Omaha.

1969 - Carolyn A. Williams, EPID, is dean, School of Nursing, University of KY in Lexington. She and **Judith Blackfeather**, PHNU '71, will be speakers for the 12th Annual Community Nursing Conference in Chapel Hill in May ... **Cheri Papier**, HEED, played a significant role in alerting the Israeli Ministry of Health to the problem of smokeless tobacco, resulting in the ministry's decision to ban the import of smokeless tobacco products into Israel ... **Kathy Jarrell Fralin**, HEED, has served as executive director of the Child Abuse and Neglect Coordinating Council of Roanoke Valley since graduation. Education and advocacy are the primary functions of the Council which also sponsors seven self-help groups for victims and their families ... **Vyankatesh R. Kanade**, BIOS, is joint director, Directorate of Economics and Statistics, Maharashtra State, Pune, India.

1970 - Dick Nsuguba, ENVR, is now with Howard Humphreys-Kibirige Ltd. in Kampala, Uganda ... **Alan S. Kaplan**, MD, HPAA, is on the staff of the Naval Hospital, Bethesda, MD.

1971 - William Berryhill, ENVR, has moved from West Virginia to Pittsboro, NC.

1972 - Joel R. Bender, ENVR, has assumed the vice presidency in charge of health, safety and environmental affairs for the Owens-Corning Fiberglass Corp.

1973 - Bob and Ida G. Milan, HEED, announce the birth of their daughter, Alexandra Elizabeth, November 30, 1987 ... **Sue Ellen Hunter**, PHNU, has been named professor of nursing, Wingate College ... **Emmett L. Sellers**, HPAA, has retired as deputy director, Division of Social Services, NC Department of Human Resources, Raleigh ... **Janice Ander**, PHNU, of Hanover Park, IL, is nursing supervisor for the Wheaton Public Health Center ... **Frank R. Reynolds**, ENVR, is with the US Army Corps of Engineers in Wilmington, NC.

1974 - Kevin Foley, MENH, department head and associate professor of health careers at Suffolk Community College's Ammerman Campus in Selden, was recently honored as a faculty member "who made a difference." He was one of eight persons to receive this honor.

1975 - Bill Brieger, HEED, writes that in October he visited Uganda where he was consultant to World Bank/IDA program development project for revitalization of the nation's health services from manpower to family planning capabilities. He worked with **Jonathan Gai-fuba**, HEED 1972, who is heading the Health Education Division of the Ministry of Health. Plans were initiated to begin professional health education training at Makerere University in Uganda. The African Medical and Research Foundation based in Nairobi will coordinate the overall plan ... **Don Koenigshofer**, ENVR, has put together a partnership to buy Chapel Hill's "The Courtyard," a specialty shopping center on Franklin Street. Don continues as president of IES Engineers, a mechanical/electrical consulting engineering firm which designs renovations

of HVAC systems in hospital and schools. IES includes UNC among its clients.

1976 - Franklin Ambrose, BIOS, is now living in Greenbelt, MD ... **Deborah M. Winn**, EPID, has been appointed deputy director, Division of Health Interview Statistics, National Center for Health Statistics, Hyattsville, MD ... **Matti Jantunen**, ENVR & Ph.D. 1978, who now heads the Environmental Hygiene Laboratory at the National Public Health Institute in Finland, visited the US and Chapel Hill this past summer.

1977 - Louisa Chapman, PALP, has moved from St. Paul, MN to Brighton, MA ... **Donna Renfrow** and **William A. Rutala**, PALP, were recently married and are living in Pittsboro, NC.

1978 - Susanne G. Moulton, HPAA, is an attorney with the NC Department of Human Resources and is living in Chapel Hill ... **Harvey Checkoway**, EPID, has accepted a position on the faculty of the University of Washington School of Public Health in Seattle ... **Patrick W. Ward**, HPAA, is now living in Pinehurst, NC ... **Mary Lou Kingston**, ENVR, was married in Nov. 1987 and is living in Allison Park, PA ... **Jane E. Simmons**, ENVR & Ph.D. 1983, and **Roel M. Schaper** were married recently. Jane is a research toxicologist, Environmental Biology Division, US EPA, Research Triangle Park, NC ... **Rosa Emery**, HEED, is now living in Knoxville, TN ... **Gina M. Goff**, HEED & HPAA 1985, health educator in Cabarrus County (NC), described "Leap into Life," a health promotion/disease prevention program for county employees. The service has been provided for more than two years with as many as 330 participants each year ... **Cheryl Waller**, PHNU, is a family planning/perinatal health consultant, USPHS, Region 6, Dallas, TX.

1979 - Thomas K. Wong, HPAA, is research biochemist, National Institute of Environmental Health Sciences, Research Triangle

Park, NC and lives in Chapel Hill ... **Deborah Parham**, HPAA, is enrolled in the doctoral program in HPAA ... **Marianne Remy**, MHCH, has moved from Oregon to Tucson, AZ ... **Barbara Duvetot**, NUTR, has moved from Gaithersburg, MD to Stone Mountain, GA ... **Burroughs Wellcome Co.** has promoted **Carol Ann Davidson**, HEED, to clinical research associate, Neuropharmacology Dept ... **Thomas R. Syre**, HEED, is assistant professor, Department of Health and Safety, Western Kentucky University, Bowling Green ... In February **Raymond Nierstedt**, ENVR, moved from CA to Bethlehem, PA ... **James M. Montgomery Consulting Engineers Inc.** has relocated **Peggy Bliss Umphres**, ENVR, to their office in LaJolla, CA. She proudly announces the birth of a second child, David Robert.

1980 - Rose Strogatz, HPAA, has moved from Albany, NY to Havertown, PA ... **Janet Simon-Seigle**, NUTR, is living in Los Angeles, CA ... **Robert R. Jacobs**, ENVR, has joined the faculty of the University of Alabama at Birmingham School of Public Health as associate professor, Department of Environmental Health Sciences ... **Michael L. Bowen**, ENVR, commercial branch manager for NCNB in New Bern, NC has been promoted to assistant vice president ... **Chi-Chung**, ENVR, is a project engineer, Solid Waste Management Department, County Sanitation Districts, Los Angeles County, Whittier, CA. Other ENVR graduates in the Los Angeles area are: **Richard Brown**, **Jim Leserman** and **Penny Hill**.

1981 - Sarah K. Fry, MHCH, and **George Shuttenger** were married May 31, 1987 and are living in Washington, DC ... The UNC School of Medicine has promoted **Bryan S. Boehlecke**, EPID, to associate professor ... **Dennis F. Naugle**, recently retired Air Force Col., had been named principle scientist for the Research Triangle Institute's Environmental Sciences and Engineering Unit ... **Lydia L. Tiosejo**, PALP, Ph.D

1985, has accepted a position in the Division of Clinical Microbiology, Tri City Medical Center, Oceanside, CA.

1982 - Lea & Febiger has published *Program Planning for Health Education and Health Promotion* by **Mark B. Dignan**, BIOS, associate professor of community medicine, Wake Forest University ... Recently married and living in the places indicated are: **Pamela Sue Jones**, PALP, and **Jeffrey W. Morgan**, Sacramento, CA; **Marquietta Plummer**, HEED, and **Todd K. Alston**, Durham, NC; **Markita A. Moore**, NUTR, and **Charles H. Bellamy Jr.**, New Bern, NC; **Donna M. Volney**, ENVR, and **John M. Michaux**, Raleigh, NC ... **Deborah A. Gibbs**, HPAA, has moved from Hendersonville to Chapel Hill, NC ... **Kim Larson**, PHNU, project coordinator, MHCH Project "Improving the Health of Migrant Mothers and Children" in Newton Grove, NC, has been awarded a WHO fellowship for a month of travel in Mexico. She will visit the Mexican states of Guerrero, Chiapas, and Oaxaca since the greater number of Hispanic migrant farmworkers come from these areas.

1983 - **Tracy Turnbull**, BIOS, has been promoted to senior statistician at Merck, Sharpe and Dohme Laboratories in Rahway, NJ. Tracy is a member of the Northern NJ Chapter of the American Statistical Society ... **Jeffrey Hall**, PALP, is division manager, Environmental Health Department, Albuquerque, NM ... **Donna Bigham Storrow**, HEED, is health educator, Buncombe County (NC) Health Department ... **Darlene B. Scruggs**, HPAA, was named consultation and education coordinator, Johnston County (NC) Mental Health Center ... **Judy Cohen**, HEED, has been named advocacy coordinator by the American Academy of Pediatrics for the State of IL. State chapters will be able to contact her for information on a variety of pediatric issues, statistical data, research reports, model bills, and other issues.

1984 - **Martha Coulter**, MHCH, is a member of the faculty, Department of Community and Family Health, College of Health, University of South Florida ... **Debra Lynn Southerland**, HEED, has been promoted to associate director for program development, Smoking or Health, American Lung Association of MD. In this position, she will plan smoking or health programs for the entire state of Maryland ... **Susan Ossoff**, ENVR, and **Gregory Durell**, ENVR 1986, were married in June in Ipswich, MA. Both are working for Battelle Ocean Sciences in Duxbury, MA ... **Annie J. Stamm**, PHNU, is occupational health nurse, Danville-Pittsylvania Health Department, Danville, VA.

1985 - **Kim Wright Bayha**, HEED, moved to Charlottesville, VA after her marriage last summer. Kim is area representative with the American Cancer Society serving seven counties ... **Cynthia Cummings Ganther**, HEED, was recently married and is living in Irmo, SC ... **Deanne Boisvert**, HEED, is health educator, Southeast Alaska Regional Health Corp., Community Health Services Division. She lives in Sitka and travels extensively serving the Tlingit and Haida Tribes ... **Shannon McLaurin Thornburg**, HEED, has married and is living in Belmont, MA ... **Burroughs Wellcome Co.**, Research Triangle has appointed **Anne Clemmer**, BIOS, senior statistician, Clinical Statistics Department ... **Susan L. Boyce** and **Matthew J. Arduino**, PALP, were recently married and are living in Decatur, GA ... **Linda W. Dunham**, MHCH, is project manager, Mecklenburg Council on Adolescent Pregnancy, Charlotte, NC. The Council provides community leaders with opportunities to share ideas and develop strategies to prevent and manage teen pregnancy. Recently Linda was coordinator of two projects, Pressure Points On Teens and "How to Say No"-Sexuality Education Programs in Religious Settings ... **Vaughn Mamlin**, HEED, is program coordinator, Association of NC

Boards of Health ... **Thersa Singer**, PHNU, is director of home care, Saint Barnabas Medical Center, Livingston, NJ ... **Peggy Williams**, PHNU, is the nurse coordinator, Project ABC (Any Baby Can) in San Antonio, TX.

1986 - **Leonard L. Wood**, HPAA, has been named Catawba (NC) County Health Director ... **Deidra L. Butts**, HEED, is completing work at the University of Michigan with a concentration in Public Health Policy and Administration ... **Sharon Dale Chalmers**, HEED, is health educator, Cook County Department of Public Health, Chicago, IL ... **Beth McIver**, HEED, is enrolled in the MPH program in NUTR at the School. During her field placement at the Randolph County (NC) Health Department, she is reviewing menus in rest homes for nutritional adequacy; counseling and providing nutrition education and evaluation in WIC, other clinics and at congregate meal sites ... **Gene R. Sterritt**, MHCH, has accepted a position with Dental Services Branch, Indian Health Service, Aberdeen, SD ... **Louise Mapleh**, PHNU, returned to Liberia where she is assistant director, Family Health Services in the Ministry of Health ... **Lydia Halioua**, NUTR, has taken a post-doctoral research position in the Clinical Nutrition Laboratory, Dept. of Pathology, University of New Mexico School of Medicine. The first recipient of the Institute of Nutrition Fellowship, she received the 1987 Young Investigator Award from the Am. College of Nutrition.

1987 - **Carol Browne**, PHNU, has been named nursing supervisor, Kaiser Permanente, Landover, MD ... **Dolores Brookshire**, PHNU, is director of occupational health services, Alamance County Health Services, Burlington, NC ... **Jennifer Freeman**, PHNU, has accepted a position with Environmental Health Associates, Inc., Oakland, CA.

Ibrahim Appointed to National Advisory Council

Dr. Michel A. Ibrahim has been appointed to the National Advisory Council on Aging of the National Institutes of Health.

The four-year appointment, made by Dr. Otis R. Bowen, U.S. Secretary of Health and Human Services, was effective January 1988.

The Advisory Council is made up of 18 scientists appointed by the Secretary. Twelve are leaders in the fields of fundamental sciences, medical sciences, education or public affairs and six are leading medical or scientific authorities skilled in the biological and behavioral sciences relating to aging. Ibrahim is a physician and epidemiologist.

The Council advises the HHS Secretary and the directors of the National Institutes of Health and the National Institute on Aging on applications for research grants relating to aging, applications for National Research Service Awards relating to research manpower projects on the aging process, and the special problems and needs of the aging. In addition, the Council advises on the coordination of studies on aging between institutes to avoid duplication of effort; on training and instruction and the establishment of traineeships and fellowships; on studies to measure the impact of programs and activities of the Department on all aspects of aging, on public information and education programs designed to disseminate research findings on aging; and assist in the development of a research program which will coordinate and promote research into all aspects of aging.

W. Fred Mayes

1908 - 1987

Dr. W. Fred Mayes, dean of the School of Public Health from 1963-1972, died October 5, 1987 in North Eastham, MA after a long illness.

Mayes came to North Carolina in 1963 to become the first new dean appointed in the UNC Division of Health Affairs following the establishment of the Division in 1950. In addition to the large increases in enrollment, full-time faculty, and budget, Mayes was credited with expanding programs in field services and continuing education.

Before coming to UNC, he was chief, Office of Research Grants, Bureau of State Services, USPHS, Washington, DC. His 46-year career in public health included positions as local health officer in a four-county rural district of Kansas, maternal and child health director of the Kansas State Department of Health, and regional medical consultant to the U. S. Children's Bureau in Atlanta. He was also a faculty member, University of Kansas' Medical School and the state's deputy health officer and director of local health administration.

Mayes received the bachelor's and medical degrees from the University of Kansas and the M.P.H. degree from the Harvard University School of Public Health, where he also served as assistant professor of public health practice.

Retiring from UNC in 1972 to North Eastham, MA, Mayes served as medical consultant at the nearby Orleans Convalescent and Retirement Center.

School Receives Bequest

Dr. Curtis G. Hames of Claxton, Georgia has made a bequest of \$100,000 to the School of Public Health to enhance the program in cardiovascular disease epidemiology.

Hames, a physician in Claxton since 1947, is also a clinical professor of epidemiology in the School of Public Health. A principal investigator in many landmark studies of cardiovascular disease, he has collaborated with the faculty of the Department of Epidemiology on many studies including the USPHS grant on atherosclerosis in Evans County, GA; National Heart, Lung and Blood Institute's study of hypertension detection and follow-up program in Evans County and other selected county populations; and the National Institute of Child Health and Human Development study of the

effects of oral contraceptives on blood pressure in the Coastal Plain of Georgia.

A 1941 graduate of the University of Georgia, Hames received the M.D. degree from the University of Georgia, School of Medicine in 1944 and is certified by the American College of Cardiology. He is the recipient of the Distinguished Achievement Award from the American Health Association and the 1984 John D. MacArthur Foundation Fellowship.

A member of the National Academy of Sciences, Institute of Medicine, Hames has been guest lecturer at many major universities around the world, including Iron Curtain countries, and is liaison representative to the Chinese Academy of Medical Sciences for exchange with American scientists.

Congratulations!!



Dean Michel A. Ibrahim presents the first Eunice N. Tyler Award for Excellence in Public Health Practice to Ms. Becky S. Bowden, head, Health Promotion and Prevention Unit, Dental Health Section, NC Division of Health Services.



Dr. Russell Christman, chair, Department of Environmental Sciences and Engineering, (center) congratulates Dr. Geswaldo A. Verrone (left) who received the Distinguished Service Award and Dr. James E. Watson, Jr. (right) the recipient of the Bernard G. Greenberg Alumni Endowment Award. Verrone is policy review staff director, Indian Health Service and chief sanitarian, U.S.P.H.S. Watkins is professor and director of the radiological hygiene program in the School of Public Health.



Dr. Elizabeth Watkins, (center) acting chair, Department of Maternal and Child Health, and Mrs. Michel A. Ibrahim (right) congratulate Ms. Susan Rumsey Givens, the recipient of the Sidney S. Chipman Award for the perinatal outreach education program, Wake AHEC in Raleigh, NC.



Dr. Maija Selby (right), associate professor, Curriculum in Public Health Nursing, presents the Margaret Blee and Ruth Warwick Hay Scholarship to Ms. Ginny Davis-Smith (left), a graduate student in the curriculum, who has shown the most potential for leadership and commitment to community health nursing.

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