



the body politic

Newsletter of the School of Public Health, University of North Carolina at Chapel Hill

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Public health in health care reform

The role of public health

Michel A. Ibrahim, Dean

The public and professionals are discussing the Clinton administration's health care reform proposals, at times with enthusiasm and at other times with skepticism and concern. Both groups, however, understand that the reform will mean the provision of medical services to the sick as well as clinical preventive services to the individual in a clinic setting, with reasonable costs and equal access for all. This is, of course, commendable, and it's about time that the entire population has access to good quality care at affordable prices. We in the public health community have been advocating a population perspective to the health care reform movement. Unless the tools of epidemiology and biostatistics are applied to communities to identify the health problems, to collect appropriate data for their surveillance of health status, and to evaluate the impact of medical interventions, the aim of the reform movement will not be fully realized. Trying to inform and educate the public at large, and the politicians in particular, about the role of public health has not been easy. We continue to this day to explain what public health is all about and what its vital role should be.

Philip Lee, M.D., Assistant Secretary of Health, has said on more than one occasion that there are windows of opportunity that permit appropriate changes to be made. He believes that these windows of opportunity come once every 30 years. For example, a window opened in the '30s when the Social

Security Act was established, and another one opened in the '60s when the Great Society and Medicare and Medicaid programs were introduced. A window is now opening in the '90s that may allow us to reform the health care system. In Dr. Lee's opinion, if this opportunity is missed, we will probably have to wait another 30 years for another chance to effect a change.

Our school, in conjunction with several health care organizations, developed a consensus statement on the role of public health, which was published in July of 1993. Drawing on the expertise of several individuals in the public health community, the statement defined the role of public health in terms of its unique functions and responsibilities, its role in the delivery of high-quality clinical services, the financing of population-based services, and the preparation of

"The consensus statement noted the unique functions of public health

- *monitoring community health status*
- *assuring appropriate services to all segments of the population*
- *assessing health status and environmental risks"*

local health departments to take on the new mandate resulting from the reform movement. The consensus statement noted that the unique functions of public health include the monitoring of community health status, assuring that the appropriate services (including preventive services) are provided to all segments of the population, and assessing health status and environmental risks. There was some difference of opinion about the delivery of clinical services by public health agencies, but it was agreed that, at least for now, the public health system would have to provide direct medical services for special populations until these services can be absorbed by other health care providers. It was pointed out that population-based services must be fully funded from public sources. It was further suggested that local health departments must gear up for the changes and advocate strongly for a population-perspective approach to health including emphasis on prevention and on health outcomes of services.

William Foege, M.D., director of the Carter Center and former director for the Centers for Disease Control, has proposed that health care be viewed as a continuum from prevention on one end to rehabilitative services on the other, and include both medical and public health services. This unified concept might be expressed in a single health index portraying the burden of disease on society. Dr. Foege's proposal of a single vision for health, which with its population perspective

Continued on page 2

incorporates community with personal services, might be a good approach to adopt so that public health is not relegated to a peripheral role in health care reform.

With national leaders such as William Foege, Philip Lee, Michael McGinnis, and others dedicated to a

prominent role for public health in health care reform, public health may finally be given its due. We will know that this goal has been realized when a funding commitment is made to public health practice and education at the national level.

Consensus conferences examine role

by Christopher Cooke

What will be the most appropriate role for public health under health system reform, and what can be done to assure that this role is ultimately realized? The UNC School of Public Health has taken the lead in addressing these questions with a unique conference and forum series.

In the Spring of 1993, the School sponsored a consensus development conference on "The Role of Public Health Under Health Care Reform." Prominent researchers and practitioners joined a distinguished panel of experts and an invited audience of over 100 representatives of North Carolina's public health community in a two-day meeting designed to articulate the future of public health in the state. The conference produced a final report which outlined the unique functions of public health, the role of public health in providing high quality clinical services, funding for population-based services, and preparation for health system reform by local health departments. The report, which continues to be disseminated nationally, was selected for distribution and discussion at the Emerging Issues Forum held in Raleigh February 10 and 11, 1994. Governor Jim Hunt chaired the Forum.

In November, a series of four regional forums (Greensboro, Asheville, Wilmington, and Rocky Mount) was sponsored by the School in response to health system reform legislation passed by the North Carolina General Assembly. These meetings provided a review of the consensus conference final report, an overview of House Bill 729, and an opportunity for participants to develop action step recommendations toward

efforts on behalf of North Carolina's public health system.

Efforts by the School to assure an appropriate role for public health under health system reform have received broad-based support from professional organizations, Area Health Education Centers, and even the private sector. Both the consensus conference and the regional forums were co-sponsored by Burroughs Wellcome Company in Research Triangle Park. Hugh Tilson, M.D., former State Health Director and Vice President for Epidemiology Surveillance and Pharmacoeconomics at Burroughs, chaired the consensus panel and moderated the regional forums.

Other organizations which helped to sponsor the consensus conference and regional forums included: North Carolina Association of Local Health Directors, NC Department of Environment, Health and Natural Resources, NC Public Health Association (including Eastern, Western and several sections), NC Association of Public Health Nurse Administrators, Association of NC Boards of Health, UNC School of Public Health Alumni Association and NC Society for Public Health Education.

Both the consensus development conference and the series of regional forums are representative of the School's continuing commitment to public service and close ties with the local community. As the debate over health system reform continues, the School will continue to play a leadership role in assuring that the traditional contributions of public health to North Carolina's quality of life are recognized and supported.

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The body politic, School of Public Health newsletter, is edited by Harriet H. Barr. News items are welcome and should be addressed to the Office of Alumni Affairs, DEACHS, Room 4115, McGavran - Greenberg Hall, CB #7400, UNC-CH School of Public Health, Chapel Hill, NC 27599-7400.

Photographs on page 3 by Will Owens and on pages 5 and 15 by Dan Sears, *University Gazette*.

W. Fred Mayes

Telecommunication Center dedicated

On October 11, 1993, the Mayes family joined with University officials, faculty, students, and alumni for the dedication of the state-of-the-art W. Fred Mayes Telecommunications Center.

The center, funded by a gift from the Kate B. Reynolds Charitable Trust, enables faculty to use communications technology to provide health practitioners with education, consultation, and the latest information on public health issues. The facility permits two-way audiovisual communication with classroom sites including Asheville, Boone, Charlotte, Durham, Greensboro, Greenville, Raleigh, Wilmington and Winston-Salem through the CONCERT network operated by MCNC in Research Triangle Park. It also links UNC-CH with national media networks, universities and businesses nationwide.

During the dedication ceremony, Dean Ibrahim commented, "Continuing education and consultation that update the skill and knowledge of health-care workers are critically needed to improve the health of North Carolina citizens, particularly underserved populations.

"The new communication technology will greatly expand and enhance the outreach of the School to public health practitioners throughout North Carolina and beyond. It will help us deliver educational programs to all areas of the state and will also help us to develop partnerships with federal agencies such as the Centers for Disease Control and Prevention.

"We are honored to have the Mayes family with us for this occasion."

President C. D. Spangler praised the center as a very valuable resource to the University. "The School of Public Health serves a very diverse group of health care and welfare providers," he said, "With the aid of the Mayes Telecommunication Center the school has a powerful tool to expand its current capabilities to serve the State and beyond."

Mr. Vance Frye, director of the health care division, represented the Kate B. Reynolds Charitable Trust.

"The new communication technology will greatly expand and enhance the outreach of the School to public health practitioners in North Carolina and beyond."

"Health care reform has increased the demand for primary and preventive health services," Mr. Frye said. "This communication center is a significant step to increase ways to provide more responsive support to help professionals throughout the state meet their education requirements and problem solving needs. We are proud to be a part of the development of this technological innovation."

Professors William T. Herzog, C. Arden Miller and Earl Siegel shared their memories of the Mayes deanship.

"Dean Mayes was dedicated to the need for change in the practice of public health and the promise of technology in meeting the goals of change. He took every opportunity to nudge me and those I worked with to think of new ways to

expand and accomplish the outreach goals of the school," Herzog said.

"Mayes encouraged enterprise in public health scholarship and service," Miller said. "He was ambitious for causes, but not for himself. He opened channels of communication for faculty and supported many interdisciplinary endeavors. And he was sensitive to the national and global trends and opportunities in public health and the hopes of faculty and staff."

Dorothy Mayes helped immeasurably in the endeavors of the School, Miller concluded.

Siegel noted that Mayes had a lifelong personal, professional and academic commitment to public health. "He had the capability to see the best in people and capitalize on those strengths," he said.

Two sites, Greenville and Asheville, were on line for the ceremony and demonstration. Public health practitioners from each site participated actively in the program.

The new facility provides video conferencing, computer data and graphics transmission and audio conferencing capability.



Members of the Mayes family view the demonstration of the Mayes Telecommunication Center. Front row from left to right: Alvin Mayes (son), Mrs. W. Fred Mayes, Carol (daughter) and Morton Kurtz.

Diversity Project aims to warm up chilly climate

Works to help people discover effects of discrimination

A new campus program aims to warm up the University's chilly climate for minorities and women.

"It's a fact that in the past we haven't been very welcoming and open to a lot of people," said Pat Fischer, director of the Campus Diversity Project and associate professor of health policy and administration in the School of Public Health.

"The University has excluded large numbers of people, and when it started taking them in, it sometimes has done that grudgingly. The project is an attempt to make minorities and women and all the diverse groups represented on the campus feel more welcome and comfortable here."

Fischer said the project, in a sense, was a response to the two-year-old report by the Chancellor's Committee on Community and Diversity, which cited the chilly climate and called for a University-wide commitment to diversifying the campus.

While acknowledging that the University has made significant strides in dealing with the problem, the report stated that there is a need to supplement existing programs with a more coherent collective vision. It added that there appeared to be no clear University-wide commitment for meeting the goals of community and diversity.

Fischer said the diversity project, supported by pan-University funds, was ready to fill that gap.

The programs—including workshops, dialogue groups and other sessions—focus on helping participants discover how prejudice and discrimination have affected them and how they affect others and what to do about their prejudice.

"We do that by opening people's minds to the breadth of diversity that exists around us," Fischer said. "That way we can help people understand the origins and functions of stereotypes and give them skills that will help them deal with prejudice and discrimination."

Diversity training is no longer a luxury, Fischer said. It's a necessity, both in the classroom and workplace. She emphasized how radically the population of the nation's work force and of North Carolina has changed in the last few years.

"If this University is truly going to be reflective of its community, and responsible to it, we will become even more diverse," she said. "And the State will be looking to us to make that work."

For the University to function at its peak, Fischer said, people need to be happy in their work.

"The more we can understand others, understand our differences, the better we can work together," she said. "If there's a lot of fractiousness, for example, in the secretarial staff, they will do their work grudgingly. But if they understand one another, they're more likely to like each other, and therefore work better together."

Fischer said even though much prejudice on the campus was silent and unconscious, it still sets up barriers to open communication.

"Some students, for example, silently assume that African-American students could only get in here because of affirmative action. There's an unconscious doubting of talent and intelligence. And when we feel that way, it limits our ability to work with these people we think aren't as smart as we are."

To keep everyone aware of diversity, the project will track and help coordinate the other campus initiatives, and serve as a central resource center for information on all diversity programs. Fischer said the diversity project also would try to reach members of the campus community more directly. "We want to reach those who haven't yet been touched by the other programs," she said.

The project will sponsor workshops for faculty, staff, and students. The workshops—which are the centerpiece of the project—use methods developed by the National Coalition Building Institute of Washington, D.C., including role playing, dialogues and speak-outs—or sharing stories—to increase awareness of diversity issues.

With an emphasis on personal experience and interaction, the workshops discuss differences of culture, race, religion, gender and sexuality—and how prejudice against these differences affects people.

Fischer said her ultimate goal was to institutionalize diversity training on campus.

High-protein diets can weaken bones

Excessive amounts of protein and phosphorous—greater than the recommended dietary allowances—may be detrimental to the health of young women, indicates new research from the Schools of Medicine and Public Health.

"In a study of women in their mid-20s, we found a diet rich in calcium had a positive effect on bone density, and a diet high in protein and phosphorous had negative effects on bones," said John Anderson, professor of nutrition and co-author of the study. More important, it is possible that excessive protein consumption may be linked to osteoporosis.

Co-author Jill A. Metz, now a research instructor of medicine at Oregon Health Sciences University in Portland, said, "Several students have noted that excessive protein intake is associated with a loss of calcium in the urine"

For bone health, the study suggests that young women engage in moderate amounts of physical activity and consume adequate amounts of calcium-enriched foods and moderate amounts of food high in protein and phosphorus, such as meat and poultry.

Computers teach food-stamp nutrition

A computer program designed to help food stamp recipients plan healthier, more nutritious meals is being developed by the Schools of Medicine and Public Health. Researchers hope to begin testing next fall.

"Currently people on food stamps often receive very little nutrition education," said Marci Campbell, research assistant professor of nutrition. "They may be buying food that is not very nutritious because they are uninformed about what a healthy diet is. Our grant will enable us to supply nutrition information in a fun, easy-to-use format."

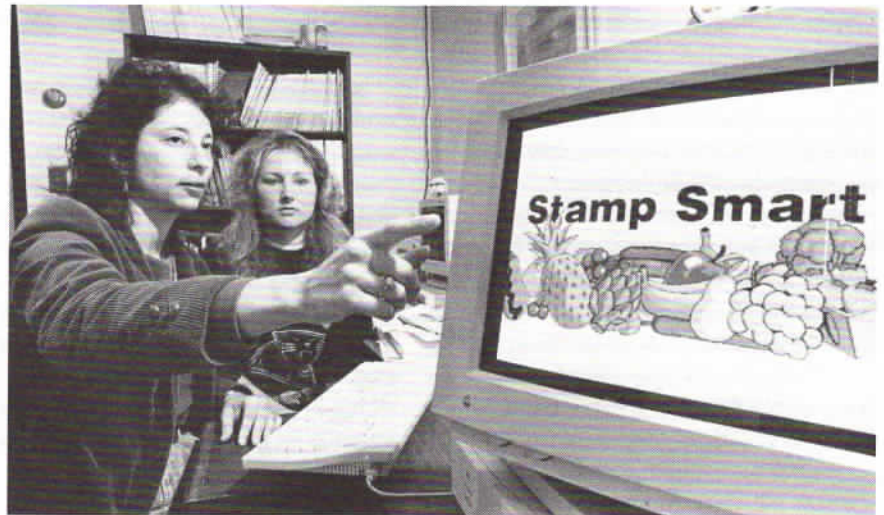
Using a special computer touchpad, food stamp recipients will answer questions about dietary habits, health buying habits and how to read food labels. Audio segments will help people with low literacy skills answer questions.

"We think that the interactive format will help them understand the material better, enable them to decrease dietary fat intake and will provide them with a better understanding of their children's dietary needs," Campbell said. The other principal investigator is Jan Dodds, associate professor of nutrition.

After the question session, the computer will provide about a five-minute tailored nutrition lesson. The computer will print out recipes, tailored shopping lists and coupons to help the participants choose, prepare and eat nutritious meals.

"We think the printed material will help to reinforce information presented by the computer," Campbell said. "Studies have shown that when information is specially tailored to an individual's needs it is more likely to be used than general information on a subject."

The program, funded by a two-year \$100,000 grant from the U.S. Department of Agriculture, is a cooperative effort with UNC, the Salisbury-based Food Lion grocery chain and People Designs, a small Chapel Hill business.



Marci Campbell, left, talks with Elizabeth Gardner of Dudley, NC, about nutrition using the computer program for the study. Gardner, the mother of a small child, has nutritional concerns.

Founder of Foard Lecture series dies

Mrs. Elsie D. Foard, founder of the Fred T. Foard Lecture series, died on March 29, 1993 in McLean VA.

Mrs. Foard was the widow of Dr. Fred T. Foard, a renowned epidemiologist, for whom the lecture series was named. Dr. Foard spent many years with the U.S. Public Health Service and was instrumental in moving the health services for the American Indians from the Interior Department to the U.S. Public Health Service. After his retirement, Foard returned to North Carolina and served as epidemiologist with the State Board of Health until his death.

The Fred T. Foard Memorial Lecture was established in 1969 by a generous grant to the School from Mrs. Foard. Since 1975 the lecture has been scheduled in conjunction with the annual Alumni Conference, sponsored by the School of Public Health and the School's Alumni Association. Foard lecturers have included Edmund S. Muskie, Eula Bingham, J. Michael McGinnis, Lisbeth Schorr and many other renowned leaders.

Brandon joins faculty at UNC-C

William P. Brandon, HPAA 1976, has been appointed the Metrolina Medical Foundation Distinguished Professor of Public Policy on Health at the University of North Carolina at Charlotte.

Brandon joined UNC-Charlotte in January. He was professor of public administration at Seton Hall University and director of research and financial officer, Essex and Union Advisory Board for Health Planning, Inc., South Orange, NJ.

The Metrolina Medical Peer Review Foundation established the professorship in July 1992 with a \$333,000 gift and matching state funds and gave UNC-C \$295,000 toward an endowment for public policy on health.

Brandon received the M.Sc. in politics from the London School of Economics and Political Science, the M.P.H. degree from the UNC-CH and the Ph.D. degree from Duke University.

Brandon has written on such national health issues as abortion, health insurance and catastrophic health insurance, health and the elderly, and private vs. public health care delivery.

He has taught at City University of New York, the University of Rochester, UNC-Chapel Hill, and NC State University.

Save Our Sisters' life-saving mission

by Kim Painter, *US Today*

Jackie Smith recalls the day she went to talk to one black women's group about breast cancer and mammography.

"One woman come up to me and said, 'If I knew you were going to talk about this, I wouldn't have come. This is a private matter, a family matter.'"

Smith didn't miss a beat: "I said, 'Why don't you sit down and listen and pass this on to your family?'" The woman did — and later thanked Smith for the information.

That story illustrates just one of the obstacles facing health educators trying to increase mammography rates among black women. Smith heads a Wilmington, NC group called Save Our Sisters that is trying to overcome these obstacles — and develop strategies for use nationwide.

The need for such programs is clear.

Black women are somewhat less likely to develop breast cancer than white women are. They face a yearly risk of 90 per 100,000 compared with 105 per 100,000 for white women.

But when they get breast cancer, they're more likely to die. And their death rates are increasing.

One reason: Black women are less likely than white women are to get mammograms, X-rays that can detect breast cancer at its earliest, most treatable stages.

Study after study shows that regular mammograms save lives in women over 50 — a fact easily overlooked amid all the recent controversy about whether mammography saves lives in younger women.

But while mammography rates among white women have risen dramatically in recent years, rates among black women haven't.

Why? Researchers haven't come up with definitive answers, says Jacqueline Horton, a researcher on the staff of the American College of Obstetricians and Gynecologists. But she says surveys she's done for the Jacob's Institute of Women's Health suggest:

- Black women are slightly less likely to say a doctor recommended they

get a mammogram. That could be because black women are less likely to have regular doctors. "We've known for a long time that minority women are less likely to have a good, comprehensive continuous source of care," Horton says.

- Black women also are more likely than white women to mention cost, fear of finding cancer and fear of the mammogram itself as reasons for not getting screened.

Horton says she hopes to do future studies focusing more closely on minority women, including Hispanics—who, some data suggests, may be even less likely than black women to get mammograms.

Meanwhile, Save Our Sisters continues the fight in Wilmington.

The program started after a study showed an earlier community-wide mass media campaign had been effective in white women, but no black women, says Eugenia Eng, a researcher at the UNC School of Public Health.

Focus groups showed that black women considered breast cancer a "woman-to-woman" concern, Eng says.

So, Eng, with the help of a National Cancer Institute grant, hired Smith and launched Save Our Sisters.

Smith directs 60 volunteers, all black women with deep community ties. They've made it their mission to spread the word about mammography and breast cancer.

The women speak at churches, housing projects, health clinics and social clubs. They raise money to cover mammogram costs for women who don't have the money or insurance coverage needed. And, they encourage women to call them with questions.

"I'm know in Wilmington as the cancer lady," says Smith, 60. "If they have a question, I want them to come to me. And if I can't answer them, I send them to a doctor."

Smith says many women say they fear the mammogram itself because they've heard that the procedure is painful or dangerous. Others say that if they have cancer they'd rather not know about it.

Smith and her volunteers emphasize that mammography is safe and that learning about cancer early can save a woman's life.

But for many women, a mammogram — or any preventive health service — just doesn't seem like a priority.

Smith recalls talking with one elderly woman who received \$600 a month in Social Security and spent \$400 a month on drugs for her arthritis, high blood pressure and diabetes. The woman told Smith: "I've never had any trouble with by breasts and I don't plan on having any."

The verdict isn't in yet on Save Our Sisters, but Smith is proud to report that more than 80 women showed up for mammograms at mobile units that the group brought to black neighborhoods recently.

Smith says, "They felt comfortable because they knew the other people there and were in their own surroundings."

SOS Receives NCPHA Award

The School of Public Health and Save Our Sisters (SOS) program jointly received the Outstanding Agency in Women's Preventive Health Services award from the Adult Health Section, NC Public Health Association. The award recognizes the successful collaborative effort to fight breast cancer deaths among African American women in North Carolina.

Eugenia Eng, HBHE and researcher at the Lineberger Comprehensive Center, accepted the award with Jackie Smith, coordinator of the SOS program in Wilmington.

With research, direction, and support from the School of Public Health, the SOS program has trained volunteer lay health advisers from the African American community in New Hanover County. Efforts are underway to use the program as a model for several other counties in the state and nation.

Children's risks in the workplace examined

Study reveals 71 deaths during the 1980s

by David Williamson, UNC News Services

At least 71 children and teen-agers died as a result of on-the-job injuries in North Carolina during the 1980s, according to a recent study conducted by the Injury Prevention Research Center.

The study conducted by Dr. Kathleen Dunn, assistant professor of emergency medicine at East Carolina University and a doctoral student in epidemiology at UNC-CH and Dr. Carol Runyan, director of the Injury Prevention Research Center, revealed that 90 percent of the victims were male, 80 percent were white and 41 percent were age 17 or younger.

Results of the study were presented at the American Medical Association's annual Science Reporters Conference in Philadelphia. A report on the work also appears in the October issue of the *American Journal of Diseases of Children*.

Forty-four percent of the fatal injuries occurred during June, July and August, and 27 percent occurred on farms or in fields, the study showed. More than half involved a motor vehicle, often a tractor.

"Similar to studies in adults, homicide was the leading cause of on-the-job injury fatalities for females," notes Dunn. "At the time of injury, 86 percent of workers under age 18 were involved in activities that appeared to violate the Fair Labor Standards Act of 1938, one intent of which was to protect children from hazardous work conditions."

Child labor is common in the United States, with more than 4 million children under age 16 employed in 1988 alone.

Although limited to North Carolina, the study reflects a national problem because children and adolescents account for more than 30,000 work-related injuries and 100 deaths annually, Dunn says.

"Though many argue for the potential benefits of early work—development of a sense of responsibility, acquisition of new skills, opportunity to explore career goals and economic advancement—early work experience may have detrimental social and health effects.

"Our goals were to find why young workers were dying on the job, whether there were violations of the Fair Labor Standards Act and if we could identify strategies that might reduce work-related injuries."

Often children and teens lack either the judgment or self-confidence to say to bosses, "I don't think this work setting is safe," the physician notes, youngsters need to know they can refuse to work when they feel unsafe.

"This study raises questions about the adequacy of federal labor policies as minors continue to work under conditions that place them a risk for fatal injuries," Dunn says. "We believed that improvements in data collection, attention to occupational history taken by clinicians caring for minors, and education of parents, adolescents and clinicians about occupational risks would be helpful.

"Revision of child labor policies to close loopholes—with special attention to agricultural hazards—may be needed."

University establishes joint department of nutrition

The Schools of Public Health and Medicine are leading the way in nutrition education by establishing the nation's first joint Department of Nutrition.

"Nutrition is one of the few things we can do early in life to prevent disease later in life," said Steven Zeisel, chair of the joint department.

The ideal nutrition department, Zeisel said, combines the basic science perspective found in the School of Medicine with the prevention perspective found in the School of Public Health. The result is a much stronger whole than when the two pieces are separate.

The two schools are among the first to recognize the potential benefits of a comprehensive approach to nutrition science, and the joint structure will benefit both schools.

Zeisel said that the nutrition department hoped to become a leader in developing innovative ways to deliver nutrition education to medical students. The department has developed a multimedia computer-based teaching text that students will use in conjunction with lectures.

The department has raised \$860,000 from food industry and foundation sources for its nutrition education program and plans actively to pursue additional grants.

Zeisel said his department had been working with the School of Nursing to teach a component in nutrition, also.

"The concept that a department can be helpful in more than one school is a model we want to pursue.

Fung Honored

Daniel Y. C. Fung, professor of food science at Kansas State University and 1967 graduate of ESE, has been named the 1993 recipient of the International Gamma Sigma Delta Award for Distinguished Service to Agriculture.

Other recent awards include: Outstanding Scientist Award from Sigma Xi, the Scientific Society of North America; Distinguished Faculty Award from the Eta Chapter of Gamma Sigma Delta, the Honor Society of Agriculture; and Award for Contribution to the Council of Agriculture, Taiwan, for conducting the Rapid Methods and Automation in Microbiology Workshop in Taiwan from 1990-1993.

A food microbiologist, Fung is a fellow of the American Academy of Microbiology. He is the current chair of the Institute of Food Technologists (IFT) International Relations Committee as well as chair of the IFT International Division.

Alumni news

1940s

The second annual Louis J. Novak Seminar in Medicine was presented in January 1994. The seminar, funded by a generous contribution from **Louis J. Novak**, HPAA 1949, was presented by Dr. Thomas B. Graboys, associate clinical professor of medicine, Harvard Medical School and entitled, "The Road to Intervention: Are We Doing Too Many Angiograms?"**Elizabeth Mumm**, HBHE 1948, writes that 1993 was a very exciting year for her. She went to China for the first time and visited **Sun Young Kim**, HBHE 1968, in Korea.

1950s

LTC Arthur Hyman, PALP 1953, U.S. Army retired (1974), has done it again. In November he retired as senior industrial hygienist, Bioenvironmental Engineering Services, Kelly Air Force Base, San Antonio, TX. He and his wife, Anne, will continue to reside in San Antonio.

1960s

Malcolm D. Crawford, ESE, has retired after thirty-five years in various phases of public health including administration, environmental health, epidemiology, radiological health, pest control, water supplies, sewerage systems, and food service inspections. He is now living in Gillette, WY.**Joseph A. Papsidero**, HBHE, is on the faculty of Michigan State Univ., East Lansing, MI.**Van S. Allen**, HBHE & Ph.D. 1969, is living in Waco, TX. Van writes that he has been retired for two years from an administrative position at Paul Quinn College. He is a volunteer with the Teen Pregnancy Prevention Council, the AIDS Social Services and Education Program, and directs the Waco Collaboration on Crime. A member of the

Board of Contributors, he is one of 32 Central Texans who submit columns regularly to the *Waco Tribune-Herald*. His youngest son is in the Navy and is stationed in Europe.**Carolyn P. Rice**, PHNU & 1974, has moved back to the mainland from Hawaii and now resides in Denver, CO.**Bernice Otudeko**, HBHE is working as health education specialist, County of Santa Clara Health Department, Division of Public Health Nursing, Child Health and Disability Prevention Program in San Jose, CA.**W. Boone Mora**, PALP & Dr.P.H. 1978, is health director, Northhampton County Health Department, Jackson, NC and living in Woodland, NC.**Daniel Y. C. Fung**, ESE 1967, will host the XIV International Workshop on Rapid Methods and Automation in Microbiology from July 8-15, 1994, Kansas State University, Manhattan, KS. A mini-symposium will occur on July 8 and 9. For information contact Dr. Daniel Y. C. Fung, Workshop Director. Telephone (913) 532-5654. Fax (913) 532-5681.**Stacy H. Covil**, HBHE 1964 and ESE 1967, was presented the J. M. Jarrett Award from the Environmental Health Section, NCPHA, for leadership and contributions to the field of environmental health.

1971

Norma E. Powers Anderson, PHNU, was awarded the Ph.D. degree with a major in education from Saint Louis University in May 1993.

1972

Sheldon M. Retchin EPID, of Richmond, VA, was recently appointed president and CEO of Medical College of Virginia Associated Physicians and was promoted to professor of internal medicine, gerontology and health administration at MCV.**Montague Brown**, Dr.P.H.,

HPAA, is the author of two books on health care management published in 1992 by Aspen Publishers. The texts are *Managed Care: Strategies, Networks, and Management* and *Health Care Management: Strategy, Structure & Process*. Monty now resides in Washington, DC.**Thornton B. Haynes**, HBHE, received the Citation of Merit from the NCPHA for helping develop the NC Sickle Cell program, giving invaluable assistance to local health departments, and chairing and participating on numerous committees of NCPHA.

1974

G. A. Panse, MHCH, served the Government of Maharashtra in various capacities from 1957 to 1990 when he retired as director of health services. He is working as management, services and research consultant in health and family welfare. Recently, he became executive director, *Health Monitor*, a publication that advances and promotes the use of information and data for decision making, program management, and improving efficiency. Dr. Panse is living in Bibewadi, Maharashtra, India.**Curtis Jackson**, HPAA, is section chief, Medical Facilities Planning Section, Department of Human Resources, Raleigh, NC.**Marva Price**, MHCH, is director, Women's Preventive Cancer Center, Duke Medical Center, Durham, NC.

1975

Patricia A. Carr, HBHE, writes that she and her husband moved to the Auke Bay, Alaska in July. This area is a maritime rain forest where the spruce and hemlock trees leave a Christmas smell in the air. They are living two blocks from the ocean...a saltwater bay and a few miles from Mendenhall

Glacier. She is discussing job possibilities with the University of Alaska Southeast and the State Department of Health and Social Services.**James Dale**, EPID, has moved to Springfield, VA from San Antonio, TX.

1977

Michael Lynn Boner, HPAA, and his wife Maureen Maney Boner of Chicago, IL, announce the birth of their son, William Tucker, on March 16, 1993.**Aiah A. Gbakima**, PALP & Ph.D. 1982, has been awarded The Rockefeller Biotechnology Career Fellowship Grant for three years to conduct research at The Johns Hopkins University School of Hygiene and Public Health in the Department of Immunology and Infectious Diseases. Gbakima will spend three months each year for the next three years doing research on the effects of Ivermectin treatment on the immune response of children with Onchocerciasis in Sierra Leone.**Frances "Bee" Mayo**, MHCH, a New Bern, NC resident, was recently appointed to the NC Council for Women, a group which advises the governor on issues important to women. Mayo is child care consultant, Division of Child Development, NC Department of Human Resources, serving a seven-county region in eastern NC.**Susan Rose**, HPAA, a practicing California attorney, was quoted extensively in *Epidemiology Monitor*, Aug./Sept. 1993, about the possible impact of the recent Supreme Court ruling, Merrell Dow vs. Daubert. This opinion may have an extensive impact for epidemiology, and Rose has pointed out ways in which "off-beat" hypotheses will be treated by the Courts, judges and lawyers.

1978

Kelvin K. Lee, BIOS, is now living in San Carlos, CA.

Rick Waxweiler, EPID, is currently acting director, Division of Acute Care, Rehabilitation Research and Disabilities Prevention, Injury Center at CDC in Atlanta. He is also the chair-elect of the Injury Control and Emergency Health Services Section in APHA..... **Joseph Mangano**, HPAA, is the author of *Health Information Management: A Comprehensive Guide to Current Regulations and Management Practices*, published in August 1993 by Practice Management Information Corporation, Los Angeles, CA. The book is intended to provide medical record professionals, students, and other health professionals with a single reference for medical record-related regulations and new management practices that have resulted from these regulations. Previously, this information was fragmented in many journals, articles, and other publications. Mangano, who resides in Brooklyn, New York, serves as editor of *Quality Management*

Update, a monthly publication on hospital quality management methods produced by Care Communications, Inc., Chicago, IL. In addition to his M.P.H. degree, he holds the M.B.A. degree from Fordham University.....**Marion Deerhake**, ESE, was sworn in as a member of the NC Environmental Management Commission on November 10, 1993. She was appointed by Dan Blue, NC House of Representatives, and will serve a two year term. The Commission deals with the air and water quality program in North Carolina. Dean Ibrahim is also a member of this commission.....**Karen Webb**, HBHE, has been elected president, North Carolina Chapter, Society for Public Health Education, Inc. She is a Certified Health Education Specialist and is director of consultation and education services, Alamance-Caswell Area Mental Health, Developmental Disabilities and Substance Abuse Program.....**Cyndi Reeser**, NUTR, writes that as a consulting

nutritionist based in Clarksburg, MD, she provides nutrition seminars for worksite health promotion programs, nutrition counseling and guidance through Shady Grove Adventist Hospital in Rockville and The International Diabetes Center of Virginia in Fairfax. In addition, she is affiliated with George Washington University Lipid Research Clinic as the dietitian on a Dean Ornish-type program, teaches vegetarian cooking classes through the county adult education program and was consultant with the Peace Corps for seven weeks in Niger last summer as a trainer for 18 Peace Corps volunteers in the nutrition education project in Niger.

Network, Inc., a sister organization of the National Migrant Resource Program. Kim lives in Goldsboro, NC.

1983

Vicki Grey Davis, BIOS & M.S. 1984 & Dr.P.H. 1990, is a senior research statistician, Research Triangle Institute, RTP, NC.....**Melida Colindres**, HBHE & M.P.H. 1987, is co-director of the De Madres a Madres program that offers comprehensive community outreach to Latino women in Siler City, NC. Other co-directors are William Lail, coordinator, Helping Families Program, Chatham County Health Department, and Maria Lapetina, child psychologist in Chatham and Orange counties.

1984

Angeline Hemingway, PHNU, of Washington, DC, a captain in the U.S. Army, recently completed the perioperative nurse course at Brooke Medical Center in San Antonio, TX.....**Iris Killian Barrett**, HPAA, was named 1993 Outstanding Business Woman of Catawba County. Iris is manager of quality and education, Siecor, Hickory, NC.

1985

Diane S. Barlow, HPAA, of Roanoke Rapids, NC, vice president of Halifax Memorial Hospital, recently received membership in the American College of Healthcare Executives.....**Will Kirkendall**, PALP, writes that he and his family are living in Dallas, TX, where he serves with Wycliffe Bible Translators and works at the Veterans' Affairs laboratory.

1986

Soon after graduating from UNC, **Annie Laurie Brayboy** MHCH, moved to Arizona to join the Phoenix Area Indian Health Service, U.S. Public Health Commissioned Corps. As a Lumbee from Pembroke, Brayboy feels a connection and commitment to Native American tribes. She was recently augmented as Lt. Commander, a full-commissioned

Agency director receives national honor

The work of the Texas Cancer Council (TCC) received national recognition in the fight against the nation's second leading killer.

TCC Executive Director Emily Untermeyer, HBHE 1979, was presented the 1993 Joseph W. Cullen Award for outstanding contribution to chronic disease prevention and control during the eighth national conference on chronic disease prevention and control in Kansas City. The award was presented by the Association of State and Territorial Chronic Disease Program Directors and the Centers for Disease Control and Prevention.

The Cullen award is given annually to an individual outside the traditional public health field who has made outstanding contributions in the field of chronic disease. The national award is named in honor of the late Dr. Joseph W. Cullen, who served with the National Cancer Institute.

Untermeyer was recognized for advancing the practices of public health in the areas of cancer prevention, coalition building and policy development. Untermeyer's work and that of the TCC in bringing public and private agencies together in the fight against cancer was cited also. Since Untermeyer's tenure with the TCC, over 50 new cancer prevention and control projects have been initiated.

Untermeyer, TCC's executive director since 1989, formerly worked for the Texas Legislature and was director of the Legislative Task Force on AIDS.

TCC was established by the Texas Legislature in 1985 to unite agencies and individuals to develop cancer prevention, screening, and treatment services mandated in the state's cancer plan.



1979

Regina Young Petteway, HBHE & M.P.H. 1981, has accepted a job at the Wake County Department of Public Health as assistant health director for community health.

1980

Beatrice A. Rouse, EPID, is senior epidemiologist, Office of Applied Studies, Substance Abuse and Mental Health Services Administration (SAMHSA) Rockville, MD. She discussed "The Proposed Health Care Reform 'Health Security Plan'" during a forum on substance abuse services issues at APHA.

1981

Donna G. Hutton, PHNU, is currently working in Rockville, MD, as a project officer for the U.S. Public Health Services' national Healthy Start Infant Mortality Initiative. **Jeff Dunlap**, HPAA 1990, is working in the Healthy Start Infant Mortality Initiative also.....**Gordon W. Davis**, BIOS & M.S.P.H. 1982, is assistant director of clinical information systems, Sphinx Pharmaceuticals in Durham, NC.

1982

Kim Larsen, PHNU, is assistant professor, Department of Nursing, Barton College, Wilson, NC. She is chair-elect, Migrant Clinician's

officer, and works as director of the Adolescent Treatment Center for chemical dependency, serving 45 tribes in Arizona, Nevada and Utah. Among Brayboy's accomplishments is the development of a multidisciplinary team of professionals to deal with child-abuse and neglect problems on the Gila River Indian Reservation near Phoenix.....**Sangeeta Navangul**, HPAA, and James J. Ryan, III, were recently married and are living in Burke, VA. Sangeeta has completed the M.B.A. degree from Averett College and is working toward the E.D.S. on the Defense Eligibility Enrollment Reporting System (DEERS) contract for the DEERS and Health Systems Program Office in Alexandria, VA.....**Eric Alan Rodgman**, BIOS, is manager of computer support services, UNC-CH Highway Safety Research Center. He recently completed his 21st year with UNC and his 18th year with the HSRC.

1987

Roy J. Almeida, PALP & Dr.P.H. 1990, has moved from San Antonio, TX to Clinton MD.....**correction Karen Ebey**, HBHE, lived in Bwadolorens, Haiti from 1988 until April 1993 when she moved to Port-au-Prince, Haiti.....**Lisa Lefferts**, ESE, co-authored a book, *Safe Food - Eating Wisely in a Risky World*, available from Berkeley Books. Her co-authors were Michael F. Jacobson and Anne Witte Garland, Center for Science in the Public Interest.

1989

Margaret Ellen Mundy, HPAA, and Patrick J. McCoy were married recently and are living in Raleigh, NC.

1990

Joanne Garrett, EPID, associate director for quantitative methods, Sheps Center for Health Services Research, and research assistant professor, Department of Medicine, UNC-CH Medical School, taught the biostatistics-epidemiology portion of the Preventive Medicine Review Course in Chicago, IL, in August. The course is for review and prepara-

tion for the certification examination of the American Board of Preventive Medicine.....**Marjorie McCutcheon**, HPAA, and Franklin Clark were recently married and are living in Clemmons, NC.....**Matthew W. Kreuter**, HBHE & Ph.D. 1993, is currently assistant professor at Saint Louis University, Health Sciences Center in St. Louis, MO.....**Anne Laplante Phillips**, HBHE, has purchased a house in Hillsborough, NC.....**Graci Janic Lieberman**, BIOS, was married in June 1993 and moved to San Francisco, CA. She is a statistician with Genentech, Inc.

1991

Kimberley Cizerle, ESE, received the Federico G. Gil Award for the best masters paper on a Latin American topic at UNC-CH. She was presented a check for \$100 from the Institute for Latin American Studies.....**Chris H. Gordon**, HPAA, has been named assistant director, Office of Community and Rural Health, West Virginia Bureau of Health, Charleston, WV.

1992

Barbara Pellin, PHNU, is director, Family and Community Relations, Charlotte-Mecklenburg Schools, Charlotte, NC.....**Sheila Higgins**, PHNU, is medical services supervisor, E. Carolina District, United Parcel Service, Raleigh, NC.....**Randy D. Lineberger**, HPAA, of Stanley, a pharmacist at Gaston Memorial Hospital, won a 1992 award for continuing excellence given by the NC Society of Hospital Pharmacists.....**Virginia Ruth Baldwin**, HPAA has moved from Durham, NC and is now living in Hillsboro, OR.....**Kim Peterson**, NUTR, has moved from Hickory, NC, to Durham, NC where she is working at the Sarah W. Stedman Center for Nutrition Studies, Duke University Medical Center.....**Jane Pitcher**, HPAA, has moved to Sacramento, CA.....**Shu-Ting Serena Yang**, HBHE, is now living in Taipei, Taiwan.....**Patricia Scruggs**, ESE, recently authored a report, *State Level Sustainable Development*, published by the Center for Policy

Alternatives and the UNC-CH Environmental Resource Program. The report was released at the 1993 Conference on State Legislators, San Diego, CA.....**Christopher Johnson**, BIOS, is a health policy analyst, Department of Health and Welfare, Boise, ID.....**Richard J. Sloane**, BIOS, a mathematical statistician, Health Services Research and Development Division, Veterans Administration Medical Center, Durham, NC, has returned after spending 4 months in Australia and 5 months in southeast Asia.....**Lawrence D. Shannon**, BIOS, is statistician, Trilogy Consulting Corporation, Waukegan, IL.....**William A. Sollecito**, BIOS, has been promoted to president, Quintiles, Inc. and Quintiles Pacific, Inc.

1993

Congratulations to **Stephanie Molliconi**, HBHE, on winning the

Injury Prevention Research Center Student Research Paper award. The award recognizes student work in the injury field. Stephanie received a plaque and \$100 for her paper, "Abused Women: An Issue for Family Practice.".....**Holly Jones**, HBHE, is school health coordinator, Durham County Health Department, Durham, NC**J. Eugene Lammers**, HPAA, has joined the Methodist Hospital of Indiana medical staff as a specialist in geriatric medicine. Lammers is Board Certified in internal medicine and geriatric medicine**Ellen Sim Snyder**, BIOS, is a biometrician, Merck Research Laboratories, Blue Bell, PA.....**Shih-Chia Chang Liu**, BIOS, is associate professor in statistics, Tunghai University, Taiwan.

In memory

- Frances Gertrude Alderdice**, PHNU 1944 & 1956. At the time of her death, she was retired and living in Miami, FL.
- Charlotte (Betty) Wilcox Bothwell**, HBHE 1946, in October 1993 in Eureka, IL. Betty was professor emeritus of Eureka College.
- Donald P. Cole**, NUTR 1978, August 1993 in Charlottesville, VA.
- Esta Ledford Crawford**, PHNU 1948, in Asheville, NC.
- Leona DeMare Culp**, HBHE 1946, July 1993 in Bethesda, MD.
- Joelyn Fowler DeVane**, PHNU 1975 on August 27, 1993 in Clayton, GA.
- Mary Brock Duffy**, MCH 1962, on January 7, 1994 in Knoxville, TN. She was retired as director of the Knox County Health Dept.
- Virginia Earle**, PHNU 1948, January 1993 in Winchester, VA.
- Joseph Gaston Farrell, Jr.**, on January 8, 1993 in Eden, NC. He was a retired engineer who was in the sanitary engineering program headed by Dr. H.G. Baity.
- Christine C. Fisher**, PHNU 1972 & HPAA 1982, on March 3, 1992 in Litchfield, MN. Tina was retired as regional consultant in maternal and child health, Raleigh, NC.
- Alfred Jerome (Jerry) Fletcher**, ESE 1950 in Denton, MD. He was retired.
- George Garvil**, BIOS 1973, on March 16, 1992 in Ann Arbor, MI. He was a senior engineer analyst at General Motors Corporation, Milford, MI.
- Larry Neil Gleason**, ESE 1965 & PALP 1969, on April 27, 1993 in Bowling Green, KY. He was professor of biology, Western Kentucky University.
- Sarah Bishop Glindmeyer**, PHNU 1958, on Nov. 22, 1993 in Falls Church, VA. She was employed at the District of Columbia Department of Human Services.
- Nancy Leonard Greene**, HPAA 1992, May 1, 1992 in Greensboro, NC. At the time of her death, she was enrolled in the Off Campus Degree Program, HPAA.

- Gary Forrest Grindstaff**, BIOS 1976, on November 6, 1993 in Washington, DC. He was employed at the US Environmental Protection Agency.
- Hilton Owen Hedrick**, HBHE 1951, on June 20, 1992 in Higley, AZ. A social worker, he developed and founded the first mental health halfway house in Rochester, NY. He was retired as executive director, Santa Barbara Urban Industrial Health.
- Anthony Lee Kiser**, HPAA 1979, on June 10, 1993 in Chicago, IL where he was a dental consultant for the American Dental Association.
- Yi-Taih Luor**, ESE 1990, on May 16, 1993 in Columbia, MD, at the age of 34.
- Lynn Gray Maddy**, PALP 1942 & Ph.D. 1947, on July 23, 1993 in Raleigh, NC. He was retired as director of the NC State Laboratory. He spent 43 years with the Department of Public Health.
- James Marshall**, ESE 1936, died suddenly June 13, 1993 at his summer home in Cape May, NJ. A resident of Elkins Park, PA, he was a consulting engineer from 1951 to 1988 specializing in designing air conditioning systems for textile plants.
- Mary Anne Mastrianni**, MHCH 1986, on July 12, 1993 in Concord, NC.
- Harry H. McLean, III**, EPID 1962, on July 30, 1992.
- Virginia Melton Pafford**, PHNU 1958, in Gainesville, FL. She was an associate professor, University of Florida, College of Nursing at Gainesville.
- Virginia Stone**, HBHE Ph.D. 1959, in December 1993 in Durham, NC. She was retired from the faculty of the School of Nursing at Duke University.
- Ruth Sumner**, HBHE 1944, in Lanham, MD on May 19, 1993. Before retirement in 1970, she served as health training director, Peace Corps, and health manpower consultant for DHEW in San Francisco.

Moorhead retires

Robert B. Moorhead, associate dean and director, Office of Governmental Services, retired September 30, 1993. At the time of his retirement, he had served the School of Public Health for 26 years.

His positions at the school have included instructor in health administration and assistant to the dean in charge of fiscal affairs, assistant dean for management and operations, associate dean for administration and lecturer in health policy and administration, and associate dean for computing and information services. He played a critical role in establishing the first office automation computer system at the School of Public Health.

A member of a number of University-wide committees including the University Advisory Committee on Information Technology, Moorhead chaired the Task Force on Central Computing Directions at UNC-CH.

Prior to his tenure at the school, he was in the U.S. Air Force assigned to Air Force bases in Texas, Wyoming, Korea, and Minnesota. He was employed also by Mutual Life Insurance of New York. From 1965 until 1967, he was contract coordinator in charge of contracts between Duke University and the Army Research Office, Durham, NC.

Moorhead attended The Citadel and received the A.B. and M.P.A. degrees from UNC-CH. He continues part-time as director of the Office of Governmental Services, Division of External Affairs and Community Health Service.

Silica dust reemerging as an environmental threat*

It may not be getting the same glaring headlines as asbestos, but silica dust is creeping into the spotlight as a menace to millions of Americans, according to occupational health and environmental experts.

"There are three to five million workers in the United States who are exposed to silica on the job," said David Goldsmith* of the Western Consortium for Public Health (WCPH), University of California at Berkeley. He said that workers will be exposed to silica dust in many of the "dusty trades," such as sandblasting, metal ore mining, construction, foundry work, and agriculture.

In these trades, there is a high incidence of chronic silicosis, which puts them at risk of other diseases. New research, for example, has indicated that people who have silicosis are at two to six times the risk of developing cancer. In addition, some scientists have discovered that silica produces inheritable damage to DNA, said Goldsmith. In 1987, the International Agency for Research on Cancer, a division of the World Health Organization, determined that silica is a probable human carcinogen, based on extensive evidence in animals and limited evidence in humans.

Another link that has public health officials worried is the reappearance—after a 60-year hiatus—of cases of accelerated and acute silicosis, a disease that can crop up in just a few weeks, said Goldsmith. It takes about 10 years for chronic silicosis to develop. There has been an outbreak of accelerated and acute forms of the disease—which results in severe difficulty breathing, fever, blue skin color and death—among 93 Mexican workers living in Texas, said Goldsmith.

The last time these forms of silicosis were seen in the U.S. was the Gauley Bridge disaster in the 1930s when 1,500 men died of acute silicosis after they were hired to tunnel through a mountain of pure silica. After that, silicosis was reduced by the introduction of "wet" methods, which dampened the dust and kept it out of the worker's lungs.

"This new cluster is making us quite worried," said Goldsmith. "We don't know enough about why this is happening."

"This issue is one that has not been squarely faced," said Goldsmith. "There is some feeling that we had things under control regarding silica. But the new evidence should concern us greatly. There are many questions about silica's ability to cause cancer that must be explored on a fundamental, cellular basis."

In October, WCPH hosted a conference on silicosis, co-sponsored by the University of California Center for Occupational and Environmental Health, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, and the American Public Health Association.

UNC SPH alumni on the program included: Carol Rice, ESE Ph.D. 1983; Harvey Checkoway, Ph.D. 1978 and Harlan Amandus, Ph.D. 1982, EPID. Dr. Carl Shy, professor and chair of epidemiology, made a presentation and Deborah Winn, EPID Ph.D. 1980, was a member of the abstract review committee.

*Adapted from an article by Mara Bovsun, Hazardous Waste Business, September 22, 1993. Goldsmith is a graduate of EPID, M.S.P.H. 1977, Ph.D. 1983.

On campus

Faculty and student news

During 1992 - 1993, 72 percent of the faculty of the School of Public Health reported a total of 23,898 hours of service on 788 projects. Twenty-five percent of the projects completed were in North Carolina. All departments provided service.

UNC-CH has switched to Internet, the worldwide information highway, to provide faculty, staff and students with better service. In addition to e-mail, Internet offers file transfer and remote log-ins to other computers and other services.

Stephen R. McDow, ESE, has completed his research at the University of Kuopio, Finland.

University Research Council awards were presented to **John J.B. Anderson** and **Dexter Louie**, NUTR; **Richard Bilborrow**, BIOS; **Francis DiGiano**, **Parker Reist** and **Y.S. Carol Shieh**, ESE; and **Robert DeVellis**, HBHE.

Ronald W. Helms, BIOS & director of the Biometry Core for the Duke-UNC Comprehensive Sickle Cell Center, was named a fellow of the American Statistical Association, (ASA). Helms' most recent research involved designing efficient clinical studies to demonstrate the effectiveness and safety of new drugs. Also Helm's paper "Intentionally Incomplete Repeated Measures Designs for Clinical Trials," which was presented at the joint statistical meetings was cited as the "best contributed paper" by the Biopharmaceutical Section of ASA.

Berton H. Kaplan, EPID, was appointed to the international advisory board for the new encyclopedia, *Handbook of Health*. The book will provide an up-to-date summary of social and psychological health topics. Kaplan also was invited to serve as an editorial commentator for

Advances, a publication of the Fetzner Institute about psychosomatic illnesses.

Arnold D. Kaluzny, HPAA and senior scientist at the Cecil G. Sheps Center for Health Services Research, has become the first health services researcher to head the National Cancer Institute's Board of Scientific Counselors for the Division of Cancer Prevention and Control. The board reviews and approves concepts for research programs proposed for funding by the National Cancer Institute, part of the National Institutes of Health.

J. Wilberton Edgerton, HPAA and School of Medicine professor emeritus, received the Distinguished Professional Contributions to Public Service Award at the American Psychological Association convention. Edgerton is well-known for his work in public and rural mental health services.

David Moreau, professor of city and regional planning and head of the UNC Water Resources Research Institute, has been appointed by Gov. Jim Hunt to chair the 17-member Environmental Management Commission. The commission, the top environmental policy-making group in North Carolina, sets rules and policies for air, water and ground water. Issues facing the group include the cleanup of ground water, wetlands protection and restoration of the Albemarle and Pamlico sounds.

Milton S. Heath, Jr. and **David H. Leith**, ESE, received 1993 Newton Underwood Memorial Awards for excellence in teaching. Also, Health received the Distinguished Service Award from NCPHA for more than 35 years of public health service to the citizens of North Carolina on boards and commissions dealing

with public health issues.

Janice Dodds and **Marci Campbell**, NUTR, are project partners in the "Black Churches United for Better Health" program, which has received a four-year \$2.4 million dollar grant from the National Cancer Institute. The Duke Comprehensive Cancer Center and the NC Cooperative Extension Service are also partners of the program.

Bonnie Rogers, PHNU and director of the occupational health nursing program, has been re-elected vice president of the American Association of Occupational Health Nurses (AAOHN). She has served as vice-president since 1991 and as a director 1987 to 1991. The AAOHN, an organization for registered nurses who provide on-the-job health care for the nation's workers, has 12,500+ members.

Craig Turnbull, BIOS, has been elected to a three-year term on the Statistics Section Council of American Public Health Association. He was appointed also to APHA's Mortimer Spiegelman Award Committee, 1993 - 1995.

Louise M. Ball, ESE, will serve as acting environmental health studies program director during Mark Sobsey's Kenan leave through July 1994.

William H. Glaze, ESE, has been named co-chairman of the UNC-EPA coordinating committee which will oversee cooperative efforts between the two institutions. **Michael Berry**, deputy director of EPA's Environmental Criteria and Assessment Office and ESE adjunct associate professor is co-chairman. Glaze's tenure as editor of the American Chemical Society journal, *Environmental Science and Technology*, was renewed for a five-year period. He also was

named to the environmental committee of the NC Board of Science and Technology, which advises the governor on science and technical policies. The committee will make recommendations to balance statewide economic development with high environmental quality levels.

Michael Flynn, ESE, spearheaded the recent effort which resulted in reaccreditation for six years of the industrial hygiene program by the Accreditation Board of Engineering and Technology (ABET)

Frances Lynn, ESE, is part of an international team preparing an annotated *Greening of Industry* bibliography. Her chapter, co-authored by Peter Simmons, University of Lancaster (UK), is entitled "Partnerships with the Public."

Harriet H. Barr, HBHE, has been elected to the Governing Council, APHA, as a representative of the Public Health Education and Health Promotion Section. In addition, she was elected to serve on the Division Board for Professional Preparation, National Commission for Health Education Credentialing.

Louis E. Underwood, NUTR and Department of Pediatrics, School of Medicine, was awarded the 1993 American Academy of Pediatrics Nutrition Award, sponsored by the Infant Formula Council to recognize outstanding achievements in research relating to nutrition of infants and children. Underwood is one of the leading authorities on how growth hormone and insulin-like growth factors affect growth.

Richard Dideriksen, continuing education specialist, received the W.A. "Bill" Broadway Award from the Environmental Health

Section, NC Public Health Association. Named for Broadway, who worked for 45 years in environmental health, the award acknowledges someone who consistently has improved environmental health through superior achievements in professional and technical areas.

Daniel A. Okun, ESE emeritus, was presented the 1993 Donald R. Boyd Award by the Association of Metropolitan Water Agencies at their annual meeting. He also presided at a recent meeting at the 19th International Water Supply Congress in Budapest, Hungary.

R. Gary Rozier, HPAA & director of the dental public health program, received the American Association of Public Health Dentistry's 1993 Special Merit Award. The award recognizes his "numerous contributions to dental public health and to improving the oral health of the American people," said Jack Dillenberg, president of the organization.

Shrikant I. Bangdiwala, BIOS, was elected to the International Statistical Institute, a professional organization recognizing statisticians world-wide. He was cited for service as an adviser to biostatistical research and teaching primarily in Latin America.

Richard E. Bilsborrow, BIOS, was one of 60 UNC faculty members who have won grants from the University Research Council to support their scholarly and research work. He was elected to the Board of Directors, Population Association of America for a three-year term beginning January 1994.

Barry H. Margolin, BIOS, has been elected councilor of the Environmental Mutagen Society, an international organization of scientists that promotes basic and applied studies of the environmental sources of genetic toxicity.

Francoise Seillier-Moiseiwitsch, BIOS, received a Scholar Award from the American Foundation

for AIDS Research and a three-year National Science Foundation grant to work on new methodology for predictive inference.

C. M. Suchindran, BIOS, was elected vice president, Triangle Population Society for a two-year term beginning in the Fall 1993. He will become president in 1995.

Barbara Hulka, EPID, July 1, 1994 - June 30, 1994, Kenan leave to do research and study into women's health issues, WHO in Geneva and another off campus assignment.

Mark D. Sobsey, ESE, has completed his Kenan leave to coauthor a reference book on environmental virology at the University of Arizona.

James E. Veney, HPAA, served WHO as a technical adviser for planning to the Ministry of Health in Nepal from February 1993 to February 1994.

Student News

Indu B. Ahluwalia, HBHE, received an NIH predoctoral dissertation award for her research titled "Psychosocial Predictors of Pregnancy, Women at HIV Risk."

Elizabeth Bruntlett and Laurel Wilmot, NUTR, have been awarded MaryAnn C. Farthing Scholarships.

Stewart A. Diemont, ESE, has received the first Charles M. and Shirley F. Weiss Award. He is seeking the M.S.P.H. degree in environmental management.

Scott Rice, ESE, received the Emit T. Chanlett Scholarship. He is a doctoral student in environmental management.

Stephen Kachur, ESE, received the Daniel W. Okun Fellowship and a 1993-94 Cole Scholarship. He is enrolled in water resources engineering program.

Virginia Pasaour, BIOS, is the recipient of a 1993-94 Cole Scholarship.

Shy appointed chair



Dr. Carl Shy, professor, has been named chair of the epidemiology department effective July 1, 1993. A physician, Shy's research interests are in environmental epidemiology.

In announcing the appointment, Dean Ibrahim said, "I am delighted that professor Shy accepted our offer to lead the Department of Epidemiology for the next three years. He is the right person to introduce growth and stability, which will maintain and enhance the Department's standing nationally and internationally."

"I feel privileged and challenged to serve as chair for one of the strongest and most diversified Departments of Epidemiology in the country," Shy said. "In my three year tenure as chair, I would like to solidify the role of epidemiology as the basic science of public health."

This requires a greater reaching out to public health practitioners and to other users of epidemiology. I hope that we can strengthen our Department's linkages with the public health community and at the same time establish an even stronger bond with our many colleagues engaged in health services research and clinical epidemiology, he said.

Shy joined the faculty in 1974 as director of the Institute for Environmental Studies. He has served as chief, Epidemiology Branch and deputy director, Division of Health Effects Research and director, Human Studies Laboratory, U.S. Environmental Protection Agency in the Research Triangle Park, N.C. In 1980-81 he was visiting professor at the Commonwealth Institute of Health, University of Sydney, Australia. Shy currently holds joint appointments with the department of environmental sciences and engineering and with the UNC-CH School of Medicine. He has served as chair and member of a variety of boards and committees of the National Academy of Sciences and the National Cancer Institute.

A graduate of St. Louis University in 1956 with an A.B. degree in philosophy and economics, Shy holds an M.D. degree from Marquette University School of Medicine and the M.P.H. and Dr.P.H. degrees in epidemiology from the University of Michigan School of Public Health. He was named a diplomate, National Board of Medical Examiners in 1972 and received the Superior Service Medal, U.S. Department of Health, Education and Welfare in 1970.

Graduates named Kenan Professors

Dr. James D. Beck, School of Dentistry and Dr. John W. Hatch, School of Public Health have been named William R. Kenan, Jr., Professors.

A specialist in geriatric dentistry, Beck has focused his recent research on older minority adults and examined dental students' attitudes toward older adults.

Beck, chair of the Department of Dental Ecology, developed a dental clinic at UNC-CH for medically compromised adults, including those who are mentally and physically disabled. He also developed a geriatric dental fellowship, a master's degree program in geriatric dentistry and a doctoral program in oral epidemiology.

The past president of the American Association of Public Health Dentistry, Beck chaired the Surgeon General's Workshop on Health Promotion and Aging and an epidemiology group for the National Institute for Dental Research Development session on "Challenges for the 90s."

A faculty member since 1986, Beck has served on the editorial board of the *Journal of Dental Education* and the *Journal of Gerodontology*. He is an adjunct professor of epidemiology, Cecil G. Sheps Center for Health Services Research and adjunct senior fellow, Duke University's Center for the Study of Aging and Human Development.

An internationally recognized expert in rural and minority health, Hatch was named in May to the White House Health Professional Review Group, organized to critique President Clinton's health care reform package. The expert panel assessed the impact of policy options being developed by Hillary Rodham Clinton's working group.

Hatch is widely known for his pioneering work in developing church-based health promotion projects. He is an adviser and consultant to an outreach health ministry for women and children sponsored by the NC General Baptist State Convention and the Kellogg Foundation. He has started seven other major health projects with black churches in the Carolinas, serves on the health advisory board of the United Methodist Church and was the 1980 recipient of the Hildrus A. Poindexter Service Award from the Black Caucus of Health Workers, American Public Health Association.

A professor in the Department of Health Behavior and Health Education, Hatch came to Carolina in 1970. He received the Dr.P.H. degree from UNC School of Public Health in 1974.



A board-certified physicist in radiation therapy*

Dan Bourland, an assistant professor of radiologic physics at the Mayo Clinic in Rochester, Minnesota, is part of the medical physics tradition. With a 1990 Ph.D. in radiological hygiene, (health physics) from the University of North Carolina at Chapel Hill, Bourland brings the expertise of the physicist into the world of clinical medicine. Not an M.D., he cannot prescribe radiation treatments for patients, but in almost every other aspect of the planning and execution of radiation therapy, he and medical physicists like him play a key role.

The concept that bridges his clinical and research work is three-dimensional treatment planning. With the three-dimensional technique, Bourland and the physician work together to determine the exposure parameters for optimal treatment. "We have been using three-dimensional treatment planning at Mayo for about 16 months now," says Bourland, "So far we have treated 100 patients."

Despite Bourland's present enthusiasm, developing new technology to cure sickness and alleviate suffering only gradually made it on his career agenda. His high school physics experience turned him toward a technical career and a physics major at the University of North Carolina. Later, he enrolled in a two-year radiological hygiene program in the School of Public Health.

As a graduate student, Bourland worked on a project at nearby Duke University, where he became interested in radiation therapy of cancer patients. After completing that program, he wanted to continue to the Ph.D. level in radiation therapy, but a dearth of opportunities stalled his ambition for a time. However, by 1983 he found himself back at Chapel Hill pursuing doctoral studies in radiological hygiene.

Bourland's dissertation topic was an investigation of the use of finite-sized pencil beams, a computational technique for calculating three-dimensional dose distributions in which the actual beam is represented by a superposition of many small beams, each with a square cross section and the same dose distribution.

"I'm a kind of generalist," Bourland concludes. "Besides my research projects, I look at x-rays with physicians to determine if the patient is a candidate for three-dimensional treatment planning, and I participate in calibration and quality assurance of the radiation machines. A part of my job that gives me great satisfaction is that I teach in the Mayo medical and graduate schools and advise students."

Bourland believes that mentoring in medical physics is important. "During my career I have been very fortunate to have trained and worked with excellent medical and health physicists, who taught me physics and modeled for me the practice of medical physics."

* Condensed from an article by Arthur L. Robinson, *Physics Today*, September 1993. Bourland received the M.S.P.H. degree in 1981 and the Ph.D. degree in 1990, Department of Environmental Sciences and Engineering, UNC School of Public Health.

Program helps rural residents fight heart disease

Helping public health nurses and nutritionists lower cholesterol within rural areas is the goal of a new study at the Schools of Public Health and Medicine.

"Coronary heart disease is the leading cause of death in the United States," said Alice S. Ammerman, assistant professor of nutrition and principal investigator for the project funded by the National Institute of Nursing Research. "Low-income, rural and minority residents are at particularly high risk, and county health departments play a vital role in providing preventive services to this population.

"However, with nearly one-third of adult Americans in need of dietary treatment for hypercholesterolemia, health department nutrition services are often inadequate to meet the need," she said. "Public health nurses could extend nutrition services, but limited time, lack of experience with nutrition counseling and organizational barriers have made this difficult in the past."

Ammerman and colleagues will determine the effectiveness of a structured dietary assessment and a treatment program known as the Food for Heart Program, which they created.

"Nutritionists will act as nutrition consultants," she said, "while public health nurses will work directly with patients, thus extending the nutrition services that can be provided with limited staffing."

Researchers will evaluate 420 patients at seven county health departments across North Carolina that receive the intervention and at seven health departments that do not. They will measure cholesterol in all patients at the beginning and end of the program and then compare groups to see what the effect has been.



Laura Craig, left, and Christine Gentry look over materials that will be used in the Food for Heart Program to help lower cholesterol in rural populations.

First Hoechst research awards presented

Nine University scientists will share a \$200,000 award from the Hoechst Celanese Corporation in a new partnership between industry and academia.

The money was awarded through the Discovery Awards Program and Young Investigators Awards, both components of a new three-and-a-half-year venture between the University and Hoechst Celanese, a leader in the areas of chemical fibers and film, advanced materials and technology, and the life sciences.

One-year \$200,000 Discovery Awards were presented to Frances A. DiGiano and Cass T. Miller, professors of environmental sciences and engineering, for work on waste minimization and groundwater contamination.

DiGiano will use the award to study new ways to remove organic contamination from ground water. Much of the research effort in this area has been spent on the expensive pump-and-treat technology, where ground water is pumped to the surface, treated and returned to the ground again, DiGiano said.

As an alternate to the pump-and-clean method, DiGiano will study the feasibility of removing the contaminants without taking the water out of the ground. DiGiano proposes injecting activated carbon particles, laced either with bacteria or chemicals, into the ground water. Once in the water, the carbon particles will shed the bacteria or chemicals, which will cause the contaminants—usually chlorinated solvents—to degrade.

DiGiano's research will focus mainly on how far the carbon particles move into the ground water to determine if this method is practical.

DiGiano also said his research efforts will help his teaching.

Four Young Investigator Awards were made in chemistry and environmental sciences—each valued at \$25,000 for one year. Two were won by Lori Todd and Michael D. Aitken, environmental sciences and engineering.

Todd, assistant professor, will use the award to further her research in computer mapping of air pollutants.

Todd is studying a new air sampling technique that uses infrared optical remote sensing to detect the concentrations of pollutants. With this technique, light beams are shot into the air, and the amount of light absorbed by a chemical is measured. The more light that is absorbed, the higher the concentration of pollutants.

Todd then uses computer tomography, a mathematical way to create a map using multiple intersecting light beams.

"This enables me to map the concentrations of chemical pollutants over a large space, like a room or an outside area, and in a real time," Todd said. "I'll be able to see what's happening when it's happening."

Thorpe Wins Hettleman Award

Kenneth E. Thorpe, health policy and administration, received one of the three 1993 Philip and Ruth Hettleman Prizes for Artistic and Scholarly Achievements. Thorpe is currently on leave in Washington, D.C. where he serves as deputy assistant secretary for planning and evaluation/health policy in the U.S. Department of Health and Human Services (DHHS). In this position he is a technical adviser to the department and Congress on health issues.

In the nominating letter Kerry E. Kilpatrick, chair of the Department of Health Policy and Administration, said, "Dr. Thorpe is undoubtedly one of the brightest, most productive and insightful young investigators in the field of health services management and policy in the U.S. today."

"He brings to this work the insights of a political scientist, the analytical tools of an economist, and the expository skill of a policy analyst and the knowledge of a policy insider because he is all of these," Kilpatrick wrote.

Thorpe has been a consultant on health issues to a number of state, federal and private groups, including the Bipartisan Commission on Comprehensive Health Care (Pepper Commission), and served as a member of the Institute of Medicine Panel on the Future of Employer-Sponsored Health Insurance Benefits and the Advisory Council on Social Security's Technical Panel on Future of Income Security and Medicare.

He received the 1991 Young Investigator Award from the Association of Health Services Research. He has written on applying economic techniques to health policy issues and health-care financing. He is a member of the *Journal of American Health Policy* editorial board.

Harris to publish directory of public health alumni



All alumni of the School of Public Health with current addresses will soon be receiving an important Alumni Directory Questionnaire in the mail. This is being sent to give every alumnus the opportunity to be accurately listed in the upcoming new University of North Carolina School of Public Health Alumni Directory.

Please be sure to complete and return your directory questionnaire as soon as possible!

Once received, your information will be edited and processed by our publisher, Harris Publishing Co., Inc. Over 8,637 of our alumni will be included in this impressive new directory.

If you don't return your questionnaire there is a possibility you may be inadvertently omitted. Don't take a chance....watch for your questionnaire and remember to return it promptly.

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