



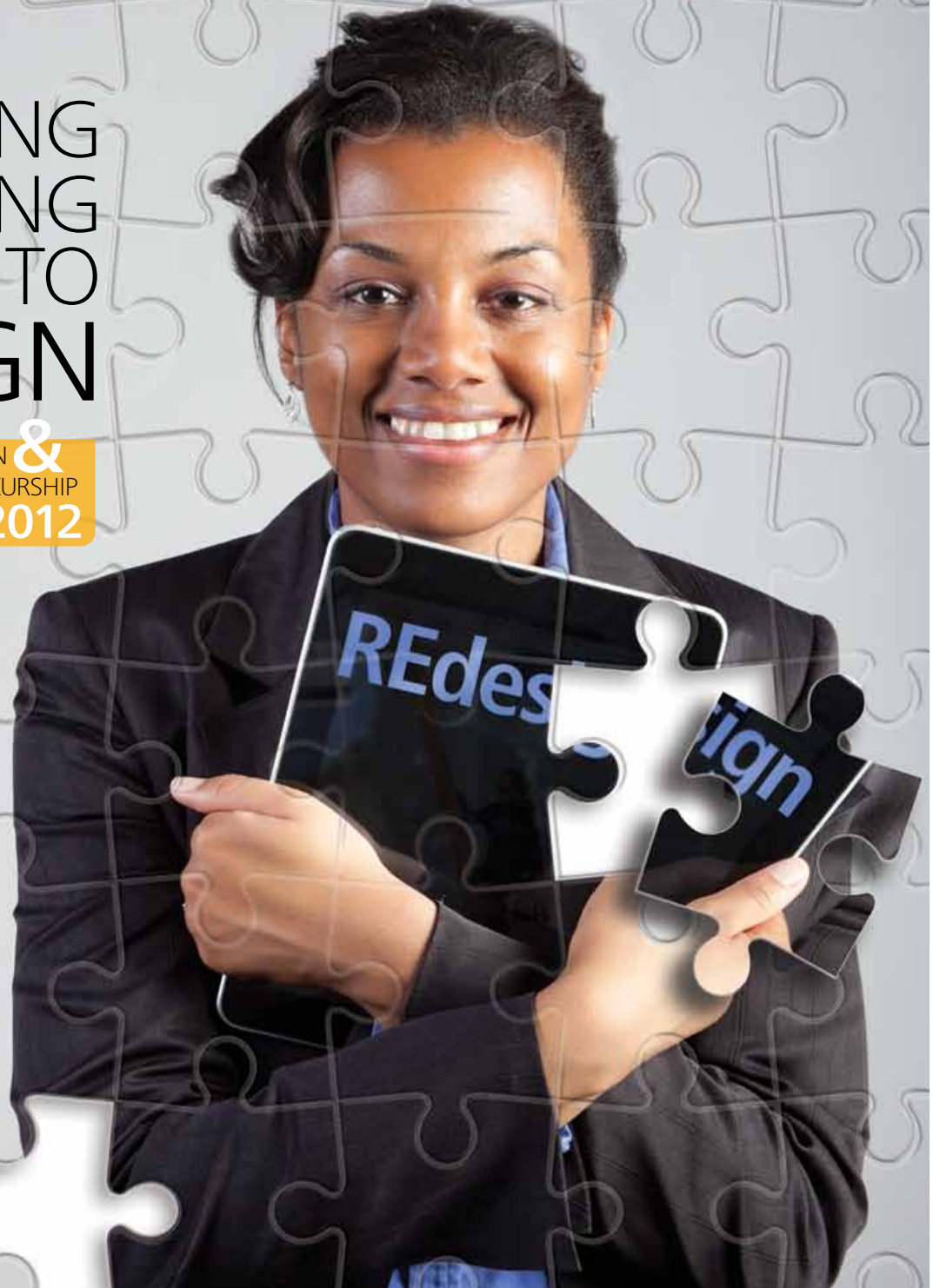
Winter
2012
Volume 8, No. 1

Duke Nursing

magazine

BRINGING NURSING INTO REDESIGN

INNOVATION &
ENTREPRENEURSHIP
2012



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REDESIGNING NURSING

Alumni and Friends,

Compassionate—efficient—dedicated. These adjectives come to mind when we describe nurses. To those traditional descriptors, the Duke University School of Nursing is adding designer, entrepreneur, innovator, and venture capitalist. As the largest group of health professionals in the world and those generally closest to the patient, nurses see what is “broken” or absent in the delivery of care, yet they have not been part of the conversation directed at reform and redesign. We, at Duke, are committed to changing that.

As you will read in this issue, our strategic plan calls out our commitment to innovation as one of our three strategic priorities. Our core educational activities, preparing nurses across our four degree programs, will be strengthened by extensive curriculum revisions now underway under the leadership of Drs. Terry Valiga and Susan Schneider. Our faculty is committed to preparing each Duke graduate with the leadership skills and knowledge to redesign systems in need of reform. We intend that each student will see possibility and know how to create improvements in systems as well as for individual patients and their families. We are joining with campus colleagues to create course work in entrepreneurship and to improve the institutional supports for design and innovation among our faculty and students.

Our innovations extend beyond the Durham community to the world. We will soon deploy six faculty members to Rwanda to assist in a USAID project designed to build health professional capacity in that country. The project, facilitated by the Clinton Health Access Initiative, will engage U.S. schools of nursing and medicine in a multi-year commitment to build in-country strength in health care delivery.



Meanwhile, back at home, Duke has partnered with Horizon Health Innovations of New Jersey to prepare 200 nurses as population care coordinators. This new role for nurses is designed to improve patient care delivery and outcomes while reducing costs. The nurses will be prepared to work within community-based primary care practices to aid in providing comprehensive and appropriate care for their patients while monitoring the outcomes. This new role is in response to federal reform priorities to improve access and outcomes while reducing costs.

Under the leadership of Dr. Marilyn Lombardi, we have opened the Center of Nursing Collaboration, Entrepreneurship, and Technology (CONCEPT) and begun a small grants program to support our faculty innovators. Our faculty members are innovators in curriculum delivery, device development, and models of care delivery. We intend to expand these aspects of our work.

Our commitment to leadership through innovation and redesign matches the directions set out in the Institute of Medicine's 2010 report on the future of nursing, *Leading Change, Advancing Health*. This issue of our magazine shares examples of the unfolding plan. I believe you will find that we continue to advance Duke's signature agenda of using knowledge in service to society as we redefine education, advance care, and drive discovery.

Catherine Lynch Gilliss, BSN'71, DNSc, RN, FAAN
Dean and Helene Fuld Health Trust Professor of Nursing
Vice Chancellor for Nursing Affairs



Melissa B. Aselage



Jennifer R. Dungan



Alison H. Edie

New SON Faculty Appointments

Melissa B. Aselage, PhD, RN-BC, FNP-BC, is an assistant professor with research interests in alleviating mealtime difficulties in people with dementia, improving nursing home care, and workforce training. She earned bachelor's and master's degrees in nursing from the University of North Carolina at Wilmington (UNC-W), and a PhD from the Medical University of South Carolina School of Nursing. From 2005 to 2011, she was a full-time lecturer at the UNC-W School of Nursing while maintaining a clinical practice as a family nurse practitioner in geriatric primary care and in nursing home settings. In 2011, she received the UNC-W School of Nursing Faculty of the Year Award. She is board certified as both a family nurse practitioner and a gerontological registered nurse. In collaboration with UNC-W School of Nursing, the American Association of Colleges of Nursing, Hartford Institute for Geriatric Nursing, and New York University College of Nursing, Aselage developed a series of nine podcasts to deliver education in geriatric health care to baccalaureate nursing students. The podcasts have been accessed more than 2,700 times by users in 16 countries. She is a 2009-2011 John A. Hartford Building Academic Geriatric Nursing Capacity Scholar and serves as curriculum consultant for the John A. Hartford Foundation's Geropsychiatric Nursing Collaborative. She will work with the University of Oklahoma College

of Nursing to develop and enhance geropsychiatric nursing content across programs.

Jennifer R. Dungan, PhD, RN, is an assistant professor and nurse scientist specializing in cardiovascular genetics and genomics, coronary artery disease, and aging survivorship. She received bachelor's, master's, and PhD degrees from the University of Florida. Dungan completed a two-year postdoctoral training fellowship at Duke University's Center for the Study of Aging and Human Development. In 2008, she became a senior research associate at Duke University School of Nursing, and in 2009 she was awarded a prestigious K99 Pathway to Independence Award to study the genetics of aging and survivorship among patients with coronary artery disease. She recently received the Claude D. Pepper Older Americans Independence Center Scholar Award for her research in this area. Dungan is a member of the American Heart Association, the Gerontological Society of America, the American Society of Human Genetics, and the International Society for Nurses in Genetics. She has contributed her expertise in genetics with service efforts such as the Duke Medical Center Genetic Testing Advisory

Council and the Duke School of Nursing Genetic/Genomic Task Force. She has taught graduate-level courses and developed a number of undergraduate- and graduate-level guest lectures on topics related to genetics and genomics in health and disease. Before leaving the University of Florida, she was awarded the Excellence in Doctoral Research Award and was in the inaugural group of graduates to earn the Young Alumnus of the Year award.

Alison H. Edie, MSN, RN, FNP-BC, DNP-C, is an assistant professor in the Accelerated Bachelor of Science in Nursing and Master of Science in Nursing degree programs. Her interests are in understanding the issues and concerns of vulnerable populations with a focus on self-efficacy and health promotion practices of women and adolescents. A family nurse practitioner with extensive experience in the primary care of underserved populations, Edie currently practices and conducts clinical trials in the Duke Department of Pediatrics, Division of Allergy and Immunology. Since 2006, she has served as a clinical instructor at Duke University School of Nursing in the ABSN and MSN programs. She is a member of the American Academy of Nurse Practitioners, the American Academy of Allergy, Asthma, and Immunology, the Association of



Ann Michelle
Hartman

Rachel L. Richesson

Valerie K. Sabol

Asthma Educators, and *Sigma Theta Tau*. Edie earned a bachelor of science in nursing degree from the Medical College of Georgia School of Nursing and a master of science in nursing degree from Vanderbilt University School of Nursing. She will complete a doctor of nursing practice degree at Georgia Southern University School of Nursing in May 2012.

Ann Michelle Hartman, DNP, is an assistant professor in the Accelerated Bachelor of Science in Nursing degree program. She comes to Duke from Jefferson College of Health Sciences in Roanoke, Va., where as an assistant professor, she taught a variety of undergraduate and graduate courses, including health assessment, pathophysiology, and pediatrics. She supervised students in pediatric and community clinical settings and was also active in Sigma Theta Tau International, serving as counselor for her local chapter, Tau Phi. Hartman's research has focused on the effects of cultural immersion experiences on baccalaureate health care students. Inspired by the opportunity to practice in Haiti during her graduate education, Hartman facilitated opportunities for students to serve the health care needs of the medically underserved both in the Roanoke Valley and in Honduras. At Jefferson, she also served as chair of the Developing Cultural Competence in Nursing Advisory Board and was a member of the then-newly formed International

Review Committee. She had a leadership role in the development of the Community Health Promoter Program in a subset of rural mountain villages in Honduras. Hartman completed a doctor of nursing practice degree at Case Western Reserve University. She also holds both a bachelor of science in nursing degree and a master of science in nursing degree from Virginia Commonwealth University.

Rachel L. Richesson, PhD, MPH, is an associate professor in the Doctor of Nursing Practice degree program. A noted informaticist, Richesson comes to Duke from the University of South Florida (USF), where she was as an associate professor in the College of Medicine's Department of Pediatrics. Since 2003, she has helped direct strategy for the identification and implementation of data standards for a variety of multi-national, multi-site clinical research and epidemiological studies housed within the USF Department of Pediatrics, including the NIH Rare Diseases Clinical Research Network (RDCRN) and the Environmental Determinants of Diabetes in the Young (TEDDY) study. Richesson has been instrumental in the design and implementation of the RDCRN Contact Registry, a patient registry that supports more than 90 rare diseases, and continues to lead efforts to identify and provide functional enhancements to the registry that will increase its utility for patients, researchers, and providers. At Duke, she will engage in expanding the School of

Nursing's informatics-focused initiatives across campus, particularly within Duke Center for Health Informatics and Duke Clinical Research Institute programs. Richesson earned a bachelor's degree in biology from the University of Massachusetts and holds a master of public health degree and both a master of science degree and a PhD in health informatics from the University of Texas Health Sciences Center at Houston.

Valerie K. Sabol, PhD, ACNP-BC, GNP-BC, is an associate professor of nursing and serves as faculty coordinator of the Acute Care Nurse Practitioner specialty in the MSN degree program. She teaches several courses in the specialty. Her clinical and research interests include the impact of anemia on physical function among older adults. Before coming to Duke, she was program director of the Trauma, Critical Care, and Emergency CNS/ACNP Master's Program at the University of Maryland School of Nursing. She was an acute care nurse practitioner in the Surgical Intermediate Care Unit at the University of Maryland Medical Center. In the past 10 years, she was responsible for more than 400 civilian and military graduate students who have gone on to care for acutely ill, hospitalized patients in Maryland, nationally, and internationally. Sabol earned a bachelor of science in nursing degree from Penn State University and a master of science in nursing degree as an acute care nurse practitioner from the University of Pennsylvania. She earned

faculty appointments



Eleanor L. Stevenson



Paula Tanabe



Tracey L. Yap

a PhD in nursing at the University of Maryland. Sabol has 19 years of critical care experience and is board certified as both an Acute Care and Geriatric Nurse Practitioner. She is president of Pi Chapter of Sigma Theta Tau International and co-chair of the Research Committee for the Gerontological Advanced Practice Association. She also is a member of the National Organization of Nurse Practitioner Faculties; the American Academy of Nurse Practitioners; and the American Association of Critical-Care Nurses.

Eleanor L. Stevenson, PhD, RN, is an assistant professor in the Accelerated Bachelor of Science in Nursing and Doctor of Nursing Practice degree programs. Her expertise is in maternal health, and she has extensive experience in all areas of maternity nursing, including high-risk obstetrics, infertility, and family planning. Before coming to Duke, she earned a PhD in nursing at New York University (NYU), where her doctoral research examined multidimensional stress in women pregnant via in-vitro fertilization. She will continue her research at Duke, focusing on women pregnant through advanced reproductive fertility. During her doctoral studies, she received the NYU Alumni Association Doctoral Achievement Award, the Sigma Theta Tau Upsilon Research

Award, the Rudin Family Award for Doctoral Achievement, and the McRae Foundation Award. Stevenson also holds a bachelor of science degree and a master of science degree from Rutgers College of Nursing.

Paula Tanabe, PhD, MPH, RN, is an associate professor in the PhD in Nursing degree program. She comes to Duke from Northwestern University's Feinberg School of Medicine, where she was a research associate professor in the Department of Emergency Medicine with a secondary faculty appointment at the Institute for Healthcare Studies. Her research in emergency medicine and health services includes studies of pain management practices in the emergency department with a strong emphasis on sickle cell disease and the role of the emergency clinician in screening and referral for patients with undetected hypertension. She also conducts research with the Emergency Severity Index (ESI) five-level triage system. Tanabe has more than 20 years of experience as an emergency department nurse, researcher, and educator and has published more than 40 journal articles. She holds a bachelor's degree in nursing from Rush University, a master's degree in nursing from Loyola University Chicago, and a PhD from the University of Illinois at Chicago. From 2004 to 2006, she was a postdoctoral health services research

fellow at Northwestern University, where she also completed a master of public health degree.

Tracey L. Yap, PhD, RN, is an assistant professor in the Doctor of Nursing Practice, Accelerated Bachelor of Science in Nursing, and PhD in Nursing degree programs. She comes to Duke from the University of Cincinnati College of Nursing, where she was an assistant professor and deputy director of nursing at the National Institute for Occupational Safety and Health (NIOSH)-sponsored Education Research Center. Her research focuses on the areas of physical activity and organizational and behavior change as they relate to quality indicators and measurements, with a current emphasis on pressure ulcer prevention. She has served as principal investigator on a number of studies, including two NIOSH-funded studies with an intervention focus on intentional physical activity in the workplace and a Robert Wood Johnson Foundation-funded study in which she developed a cost-effective, nurse-led approach to reduce the prevalence and incidence of pressure ulcers within long-term care facilities. She earned a bachelor's degree in nursing at Northern Kentucky University and a PhD at the University of Cincinnati College of Nursing.

Trustees Approve New Building Architect

A substantial addition to the facilities of Duke University School of Nursing is on the horizon!

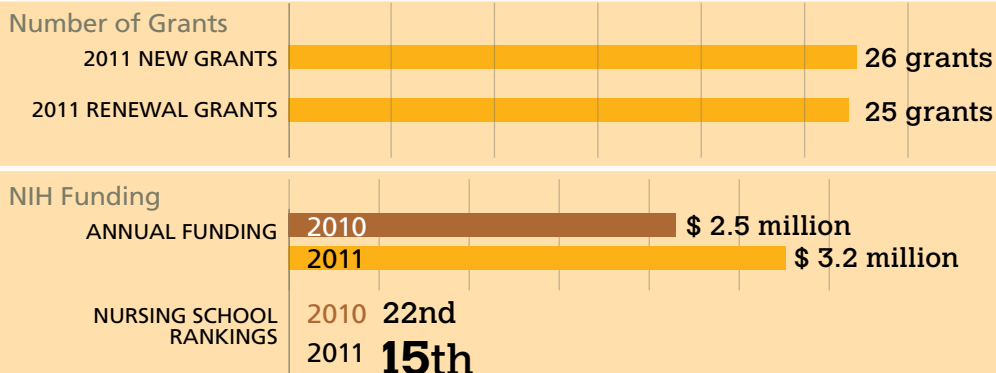
In December, the Duke University Board of Trustees approved hiring the architectural firm, Ayers/Saint/Gross, to design a 40-45,000 square foot addition adjacent to the Christine Siegler Pearson Building. The new building will house space for classrooms, information technology services, financial aid administration, expanded simulation and other laboratories, as well as administrative and research offices.

The new building will join the existing Clipp Building and Pearson Building to form a mini-campus for nursing students and faculty.



The new 40-45,000 s.f. building will connect the Pearson and Clipp buildings.

GRANT STATS



Recruiting for Diversity

This past summer, 10 high-achieving minority college seniors from schools around the country spent six weeks at Duke University School of Nursing exploring career options in nursing.

The Making a Difference in Nursing II (MADIN II) Program is a workforce diversity program with the goal of increasing the participation of high achieving/high potential underrepresented minorities in nursing education at Duke University School of Nursing.

It is funded by a federal grant from the Health Resources and Services Administration.

MADIN II aims to produce nursing leaders from underrepresented minorities prepared at the PhD or DNP levels.

Currently, just 5.4 percent of the nursing workforce consists of minorities.

“As society becomes more diverse, the nursing workforce should reflect that as much as it can,” says Dorothy Powell, PhD, associate dean for global and community health initiatives at the School of Nursing.

The program is in its third year. It recruits at historically black colleges and universities and includes a rigorous screening and interview process. The students who move into nursing programs at Duke receive mentoring services and financial support.

Four of the 10 students matriculated into

the school’s Accelerated Bachelor of Science in Nursing degree program.

Students participated in rigorous academic and professional development activities that stressed teamwork and leadership skills. MADIN II allowed the students to work



High achieving college seniors explore nursing careers at Duke.

with Duke nursing faculty to take part in research and help publish papers. They also participated in community outreach programs and organized dinners and social gatherings.

“I didn’t really know that the field of nursing is as broad as it is and that there are so many different avenues and areas to explore,” says MADIN II scholar Kara Edmond.

For more information on Making a Difference in Nursing II, contact Julie Cusatis at 919-681-9051 or Julie.cusatis@duke.edu.

School Helping Ghana Launch Master's Nursing Program

With the maternal mortality rate in Ghana approaching 40 percent, the Duke University School of Nursing is working with nursing officials there to help create a master's level nurse anesthetist program to train more advanced nurses.

"They obviously need help," says Sharon Hawks, DNP, CRNA, specialty director for the Duke Nurse Anesthesia program. "We're trying to move the program forward, but it's very complex."

Hawks and other school of nursing representatives met with two nurse educators from Ghana recently when the nurses came to Duke for a workshop on managing difficult airways. In early 2012, Duke hopes to send a representative to Ridge Regional Hospital in Accra, Ghana to perform an initial assessment and learn what resources already are available. Duke will then decide how it can best help plan a master's level Certified Registered Nurse Anesthetist (CRNA) program.

Several Duke nurse anesthesia students have traveled to Ghana in the past three years as the school of nursing expands its sites for international experiences for its students. Class of 2012 student Kaitlyn Gallagher was there in May and was present for the graduation ceremony of the first CRNA class.

Duke nursing students raised money to help pay for the graduation ceremony by designing and selling T-shirts to CRNA students at various Duke clinical sites around North Carolina.



Kaitlyn Gallagher, center, with two nurses at the Ridge Regional Hospital in Accra.



Wilson Named Legacy Laureate by University of Pittsburgh

Former dean of the School of Nursing **Ruby L. Wilson, EdD'69, RN, FAAN**, has been recognized as a Legacy Laureate by the University of Pittsburgh. Launched in 2000, the Legacy Laureate program recognizes Pitt alumni who have excelled both professionally and personally and who exemplify the best in leadership qualities and commitment to the greater good for their professions and local and global communities. The Legacy Laureate is the university's most prestigious alumni award.



Ruby L. Wilson

Wilson, who earned a bachelor of science degree in nursing education from Pitt in 1954, was recognized for her contributions to nursing and health care throughout her career. She first joined the Duke nursing faculty in 1955. As a young faculty member, she was the principal developer of the country's first master's degree program in clinical nursing and the first Primary Nursing Project, which revolutionized the way nurses interact with doctors and led to dramatic improvements in patient care. She went on to serve as dean of Duke University School of Nursing from 1971 to 1984. She also served as a professor of nursing, assistant professor of medicine, and assistant to the chancellor for health affairs.

A longtime advocate for legislative policy on health and nursing matters, Wilson consulted on nursing curricula in the United States and numerous foreign countries, including China, India, and Thailand, where she was a visiting professor and consultant for the Rockefeller Foundation.

A member of the Institute of Medicine of the National Academy of Sciences, Wilson has received numerous honors and awards, including being named a Living Legend by the American Academy of Nursing, receiving Duke University's Medal for Distinguished Meritorious Service, and being inducted into the North Carolina Nurses Association Hall of Fame.

PhD Student Awarded Three Grants in 2011

Tiffany Kelley, MS, MBA, RN, a fourth-year PhD candidate in the School of Nursing, received three external grants last spring and summer to support research that could change the way nurses deliver care as the health care industry moves into a new era of paperless, electronic health records.

Totaling \$45,145, the grant funding was provided by the Agency for Healthcare Research and Quality (AHRQ) and Sigma Theta Tau International. It helps support Kelley's doctoral research, which aims to describe how nurses collect and communicate the information they need to care for patients on two particular pediatric inpatient units using verbal, written, and electronic sources. She conducted the study while the two units continued to use paper-based nursing documentation and then after the units converted to electronic documentation.

Eventually, Kelley hopes to use her research data to provide recommendations for standards of documentation that support the information needs of nurses and other members of the health care team for safe patient care.

She says the need for such recommendations is timely and essential, especially given the current impetus from the federal government to have all health care organizations using electronic health records in a meaningful way by 2014.

With new, innovative solutions in information technology available in the marketplace, Kelley says she envisions nurses being able to access and deliver information requested by patients and families, such as laboratory test results and individual patient medication regimens, in a much more timely fashion without having to leave the patient's bedside.

"There will be more mobile technology in health care settings in the future," Kelley says. "Right now we have an opportunity to rethink how we as health care providers use information we need to provide patient care and leverage the available technology in ways that integrate with the day-to-day workflow of health care providers. Just because things were done a certain way while using paper records, doesn't mean we have to do it the same way with electronic records."

Kelley used multiple methods, including observations, interviews, and document reviews to collect data for her study. The research aims and methods were largely influenced by findings from two pilot studies she conducted at Duke in 2009 and 2010. Currently, she is in the process of analyzing the collected data. In addition to providing recommendations for standardizing documentation, she hopes the data will help her provide software and hardware recommendations for refinement and redesign of electronic nursing documentation.

The AHRQ awarded Kelley \$39,145 for her dissertation grant, "Nurses' Information Needs while Caring for Hospitalized Children." In addition to the AHRQ award, she received \$5,000 from Sigma Theta Tau International and \$1,000 from the Sigma Theta Tau International Gamma Epsilon Chapter through Northeastern University's small grant award program.

Kelley, who has 11 years of nursing experience, practiced clinically as a pediatric nurse for the first few years of her career. Her interest in clinical informatics began in 2005, when she started work on a large-scale project team to design and implement a comprehensive pediatric electronic health record at



"Right now we have an opportunity to rethink how we as health care providers use information we need to provide patient care..."

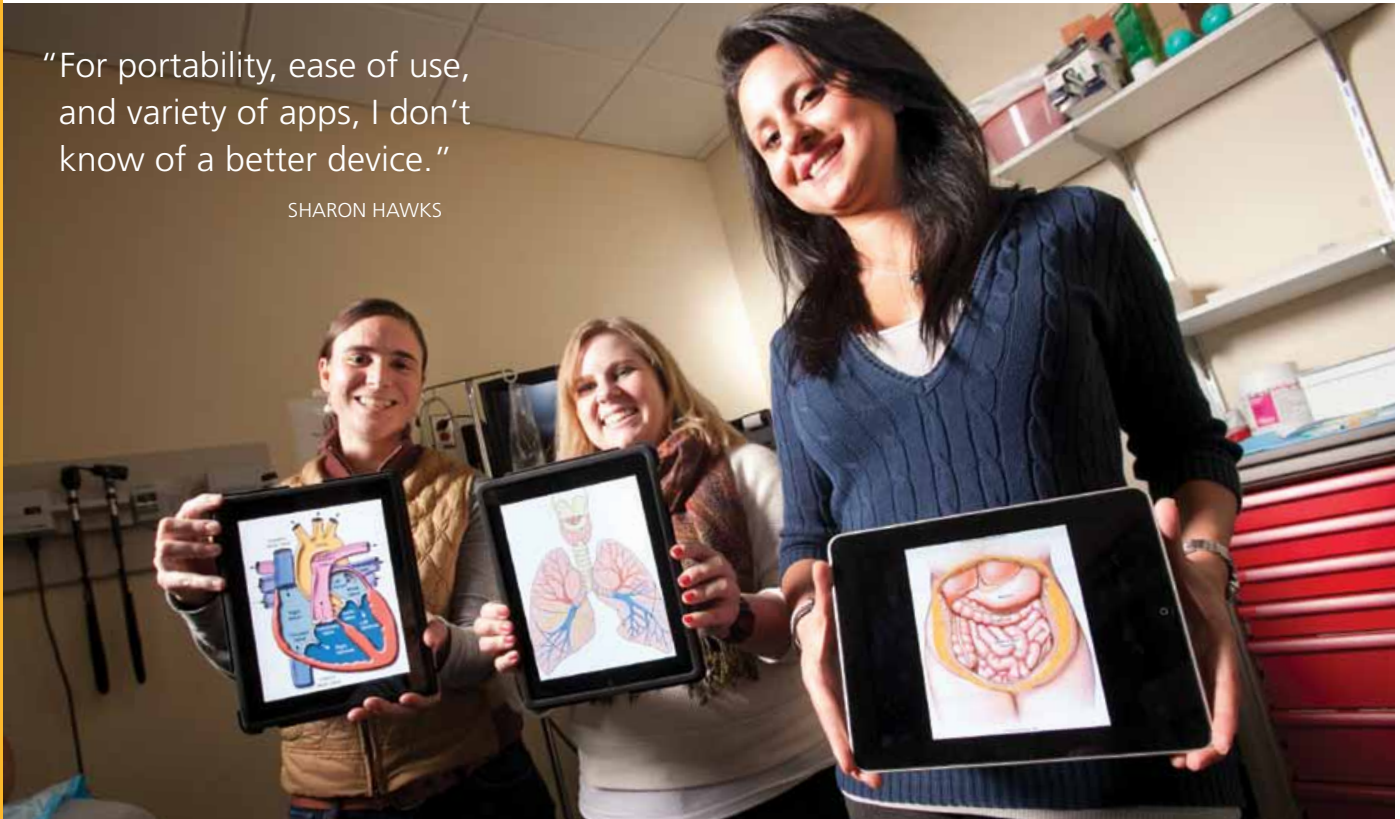
TIFFANY KELLEY

Children's Hospital Boston. These professional experiences led her to pursue her research interests at Duke.

Including the three most recent grants from the AHRQ and Sigma Theta Tau International, Kelley has received a total of seven research grants since starting the PhD program in 2008. She plans to graduate in May 2012. She holds a bachelor of science in nursing from Georgetown University and a master of science in nursing administration and an MBA from Northeastern University.

“For portability, ease of use, and variety of apps, I don’t know of a better device.”

SHARON HAWKS



Students in the School of Nursing’s Certified Registered Nurse Anesthetist program, (l-r) Elizabeth Kellerman, Ethany Howden, and Samira Tabrizi, show off their iPad tablet computers they will use to access medical information and record data during their rural clinical work this semester.

CRNA Students Get iPads for Rural Clinic Work

The School of Nursing’s Certified Registered Nurse Anesthetist (CRNA) Program received 28 iPads for its incoming January cohort to use in rural clinics where technology is scarce.

The portable tablet computers are on loan from the Duke University Center for Instructional Technology. They will provide CRNA students with instant access to Duke online resources and health care related computer applications (apps).

“Some of the apps they can access are decision-making apps,” says Sharon Hawks, DNP, CRNA, specialty director for the Duke CRNA degree program. “They can enter patient-specific information and get back risk assessment and other important information on the spot.”

Hawks says a particularly valuable function of the iPads is the ability of students to research advance procedures they haven’t

performed in a while. “They can go to several different websites, like the New England Journal of Medicine, and review a technique. When they go in the next day they will be better prepared. This can help improve the safety of patients.”

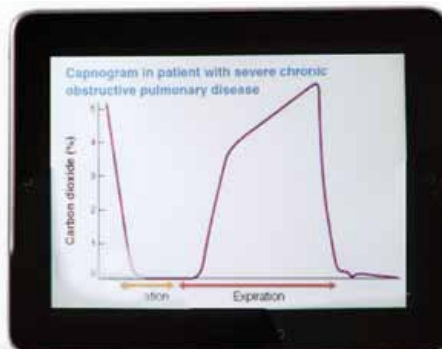
The school also is working with a textbook vendor to learn what textbooks in the Duke CRNA Program can be delivered electronically.

Hawks determines which apps are loaded to the iPads based on her research and conversations with other nurse anesthetists. The price for most apps is low, she added,

ranging from free to about \$4.99 each.

“The applications that are available for the iPad make it a better choice than a laptop computer,” Hawks says. “For portability, ease of use, and variety of apps, I don’t know of a better device.”

She will survey the CRNA students to determine the effectiveness of using iPads in rural clinical settings. “I just hope it facilitates them having access to more information when they need it,” she says.





SAVE THE DATE
REUNION 2012 APRIL 20

Classes with years ending in 2 and 7, as well as members of the Half Century Club (classes 1933-1961), will celebrate reunions April 20 at Duke University School of Nursing. Reunion information will be mailed in early March. For information, please contact Amelia Howle, director of alumni relations, at 919-385-3150 or amelia.howle@duke.edu.

Many exciting activities are planned for this special day.



We hope you will join us!

Awakening the Designer in Every Nurse

We must find a way for nurses, as care experts and patient advocates, to participate in the design of this brave new world...

by Marilyn M. Lombardi, PhD



More than 20 years ago, when health care for extremely premature infants was in its infancy, nurses working in Neonatal Intensive Care Units (NICU) across the country knew there was a problem. When it came time to shield newborn eyes from ultraviolet lights during phototherapy, the only masks available were those designed for adults. They slid down the patients tiny faces and blocked the airways. But the nurses were unfazed. Using whatever materials happened to be at hand—black construction paper, cotton balls, stocking nets—they fashioned snug-fitting alternative masks that worked.

Welcome to the “workaround culture” of nursing. No one understands the needs of the patient better than the frontline practitioner. Every nurse has a story of the time she made the best of things by coming up with a temporary fix to a problem. Still, you don’t see many nurses sitting down at the design table with engineers and business analysts to invent new and better products. As care environments become more complex, nurses need to be part of solutions for better care.

The stakes are high. Research labs across the country are already hard at work fashioning the “smart” care environments of the future—without much input from the patients and clinicians who will be most affected. We read about hospital rooms with mounted cameras in the ceilings to make sure doctors and nurses scrub their hands. Computer engineers tell us that vision software will be able to analyze the facial expressions of patients for signs of severe pain and send alerts to nearby nursing stations. Car manufacturers plan to install sensors in car seats to monitor blood pressure and assess stress as commuters fight traffic. Household robots that dispense medication will help the elderly “age in place.”

We must find a way for nurses, as care experts and patient advocates, to participate in the design of this brave new world or we risk remaining dependent on the work-around culture of nursing to save us when the best laid plans of engineers and marketers go awry.

According to design expert and IDEO founder Tim Brown, nurses already possess essential characteristics of the design thinker: i.e. *empathy*, or the ability to put people first, and integrative thinking, or the capacity to see all of the different aspects of a problem in order to create novel solutions. What they don’t have is the ready-made network of potential collaborators and partners they need to finance, prototype, manufacture, and market their ideas.

A prime example is Sharon Ragone, one of those NICU nurses who saw that industry wasn’t providing nurses with

the products they needed to serve the profoundly premature infant. Sharon called her version of the pint-sized protective mask the “bili-bonnet” and sold it to hospitals across the country.

She pulled together the financing and manufacturing team she needed through dogged determination and sheer luck. Given the daily patient care obligations of nurse clinicians, how many of them could or would do the same?

Luckily, nurse designers and entrepreneurs may no longer have to go it alone. Universities like Duke and large health care providers like Kaiser Permanente are investing in the support structures needed to unlock the design potential across their multi-disciplinary organizations. After training nurses in design thinking techniques, Kaiser’s Garfield Innovation Center teams them with administrators, health policy experts, engineers and technologists within a flexible lab space where care environments can be observed and new prototypes can be developed.

To help bring this “innovation team” model to Duke University, the School of Nursing has launched CONCEPT: The Center of Nursing Collaboration, Entrepreneurship and Technology. CONCEPT joins a network of disciplinary centers across Duke University that support faculty and student entrepreneurship. Helping nursing faculty and students navigate the complexities of research commercialization at Duke, CONCEPT steers them to available resources and matches them with potential research collaborations in the schools of business, engineering, environment science, law, and public policy.

As a sponsor of the Catalyst Faculty Innovation Award, CONCEPT seeds creative uses of technology in health care education. It partners with the Pratt School of Engineering on co-curricular learning experiences intended to awaken the designer in every nursing student.



Marilyn M. Lombardi

Plans are underway to create a CONCEPT Studio for interdisciplinary Design Research and Product Evaluation inside the School of Nursing’s planned new building. (See *article on page 5.*) Thanks to its investment in the creativity of nursing faculty, staff, and students, the School of Nursing will take its rightful place as a locus for interdisciplinary, patient-centered innovation here at Duke University and beyond. ♦

Marilyn M. Lombardi is the director of academic and strategic technology at the School of Nursing and director of the newly established CONCEPT office to encourage faculty entrepreneurship and innovation.

feature



Kathy Patterson owns and operates Yanceyville Primary Care in Yanceyville, N.C. She and a small but growing staff serve nearly 3,000 patients in rural Caswell County.

Nursing on the **FRONT LINES** of Change in Health Care

INNOVATION &
ENTREPRENEURSHIP
2012

In January 2003, newly minted nurse practitioner **Kathy Patterson, MSN'02, FNP**, joined Yanceyville Family Practice, a humble one-physician office smack in the middle of rural Caswell County, N.C.

Patterson and Brett Williams, MD, a longtime health care provider to the small town of Yanceyville, served close to 3,000 patients from around the agriculture-based county and neighboring southern Virginia.

“We saw four generations of single families,” says Patterson.

The practice served as a medical home to many. The duo pulled together rich and detailed family medical histories and provided diagnosis, treatment, disease management, and health education to a population that had few health care options.

When Williams retired for health reasons in 2006, the Burlington-based community hospital that owned the practice wasn't able to find a family physician to replace him and decided to

close the practice.

“I was told I was going to be laid off in six weeks,” says Patterson. “I said, ‘You can't do that to our patients. We're the only private practice in the county.’ ”

The community wasn't happy about it either. Patients called the hospital to complain and wrote letters and petitions asking that the practice be kept open. Patterson negotiated with the hospital to keep the practice open for six more months while she worked with a consultant, attorney, and insurer to buy it from the hospital.

Without missing a beat in patient care, Patterson took ownership on March 31, 2007, renamed it Yanceyville Primary Care, and has been growing the practice ever since.

“We fill a very big need,” she says. “People come to me because I'm an NP and the type of care NPs provide.”

Health Care's Changing Face

Patterson represents a changing face of health care

by Jim
Rogalski

Elizabeth Lum Huston, left, socializes with a pair of workers at a small diner in Oak City, N.C. Huston runs the Oak City Community Clinic one day a week and provides valuable and affordable family practice care to the underserved rural community.





Kathy Patterson greets a patient in a Yanceyville store.



Jolyn Fergon owns and operates Advanced Women's Health Care in Palm Springs, Calif. She initially faced heated opposition from several physicians in the area who claimed nurse practitioners were not qualified to run a practice.

in which nurse practitioners (NPs) are playing increasingly crucial roles as leaders on the front lines of primary care. They're opening their own practices in rural areas where physicians are few, and giving residents of more populated cities an alternative to MD-run practices, often at a lower cost.

An additional 40 million people are expected to have health insurance beginning in 2014 when the Affordable Care Act is further implemented; the first of the baby boomer generation reached retirement age last year; and no help is in sight to relieve the national shortage of family physicians. A growing number of nurse practitioners are stepping in to help. In fact, the Affordable Care Act provides funding for nurse-managed primary care clinics and promotes the full participation of nurse practitioners as key care providers.

"We don't have enough people or money to care for the growing and aging population with traditional models of health care," says Lloyd Michener, MD, professor and chair of the Duke Department of Community and Family Medicine. "We need to design a workforce that draws on all available fields to their fullest abilities. Having nurses involved with primary care is very important."

Nurse Practitioners provide many of

the same functions as physicians, including diagnosing and managing acute and chronic illness, prescribing medications, and interpreting tests and lab work. Advocates say that having NPs treat patients with less complicated health issues frees up physicians to spend more time with the sickest patients.

About thirty-five states currently allow NPs to work independently without physician oversight. The remaining states vary in what they require for physician input. North Carolina requires NPs to maintain a collaborative relationship with a supervising physician, although it requires them to meet face-to-face just once every six months. Patterson's collaborating physician is Janet Lehr, MD, a family physician in Durham.

"We collaborate on cases as needed by phone and fax," says Patterson. "She doesn't come on site."

The American Academy of Nurse Practitioners says organizations including AARP, the CATO Institute, and the Brookings Institution are advocating for the removal of restrictive regulations regarding NPs.

Not so fast, say some in the medical community, who argue that nurse practitioners—who are trained at the masters degree level—are not adequately prepared to treat patients without physician oversight.

While citing the value of nurses in health care, the American Medical Association said in an October 2010 statement that "increasing the responsibility of nurses is not the answer to the physician shortage. Physicians have seven or more years of postgraduate education and more than 10,000 hours of clinical experience. These additional years of physician education and training are vital to optimal patient care."

Michener points out that, "NPs are not doctors and never claim to be. Nurse practitioners bring a family and whole-person view to health care and help meet patient and community need."

Some MDs Fear Competition

Jolyn Fergon, DNP-current, learned in 2003 the extent to which some physicians will go to prevent nurse practitioners from opening competing practices.

She had worked for several years as an NP in an OB-GYN practice in affluent Palm Springs, Calif., population about 45,000, when she announced she would be opening her own women's health care practice. Under California law, she was not required to have any physician oversight.

The outcry from the OB-GYN community was fierce, she says.

"It was a rough couple of years,"

says Fergon. She added that a group of OB-GYNs, including her former boss, complained to the state medical board that she was not qualified to run a practice without physician supervision. The state investigated the practice but found nothing out of order.

“We also were grilled by Medicare and Medicaid who wanted all of our tax returns and bylaws,” she says. “That first year cost me nearly \$20,000 in legal fees.”

Every investigation came up clean, yet the opposition continued, says Fergon “as they tried to run me out of town.”

When she hired an OB-GYN to satisfy some in the medical community who insisted there be a physician on staff, others claimed it was illegal to have an NP employ a physician.

Fergon won that battle too, and today her Advanced Women’s Health Care practice employs three MDs, several nurse practitioners, and several certified nurse midwives for what has grown into a three-office practice, including an office in an underserved community in Yucca Valley.

“They finally got tired of fighting me,” says Fergon. “We do the most deliveries by far in the area, and the three physicians who gave me the most grief have moved on.”

Fergon says one factor that has allowed her practice to flourish is that “we spend a lot of time with our patients. If a practice is too big, you don’t know the patients, and the patients don’t know you.

“I love running my own practice,” she adds. “My family has been amazingly supportive through all of this.”

Welcomed With Open Arms

Competition was far from the case in Oak City, N.C., population about 400, in rural Martin County. **Elizabeth Lum Huston, MSN’11, FNP**, was welcomed with open arms at The Oak City Community Clinic



Elizabeth Lum Huston poses on a farm in Oak City, N.C.

which the town opened in October with a \$56,000 grant from The Golden Leaf Foundation. The clinic is a satellite office of the three-county Martin-Tyrrell-Washington District Health Department.

“In Martin County they don’t even have an MD in the system,” says Huston. “Doctors just don’t stay in this area.”

In fact, there are just five medical doctors in the three-county area. Huston’s consulting physician is a private-practice physician in Williamston, about 15 miles away. North Carolina regulations require that Huston meet with him once a month for the first six months and that he review a minimum of 10 cases. After that, Huston is required to meet with him face-to-face just once every six months. She says she consults with him by phone and fax on a regular basis.

The clinic is open on Thursdays and is staffed by Huston, a registered nurse, and a clerk. It provides full primary care services, and Huston can provide referrals for services not available at the clinic. For the rest of the workweek, Huston provides care at the county health department clinic in Williamston.

According to a recent health assessment, the infant mortality rate in Martin County is the second worst in the state, and Oak City’s obesity rate is 58 percent. Diabetes,

hypertension, kidney problems, and other chronic diseases are common in this farming community.

“I am doing a lot of outreach on my own time and letting the Oak City community know I’m here for them,” says Huston. “I really want to bring everything to bear that I learned at Duke to improve the health of my community, and I think in two to three years I’ll have tangible data. I love working in rural areas.” She sees about 20 to 30 patients a day.

Huston says nurse practitioners play a vital role in health care because “we’re taking care of patients that MDs don’t want to, or have time to take care of.”

To help alleviate the tension that sometimes exists between NPs and MDs, Huston says “We need to sell ourselves better. Many people don’t really know what nurse practitioners are or the role we can play. We are different because many of us have 20 years of clinical experience at the bedside.”

Says Michener, “Too often the mutual respect that exists between nurses and doctors gets lost in the discussion about practice. All are talented professionals working on behalf of patients. We need to teach that and exemplify that.” ♦



Partnership with BCBS-NJ
Will Put Nurse

"QUARTERBACKS"

in Primary Care Practices

A star quarterback knows every player on the offensive line—who can catch a long pass, who’s better on the short catch and run, and what combination of players and timing is most likely to result in a touchdown.

It’s widely recognized that too few touchdowns are being scored these days for patients, especially seriously ill patients and those who suffer from one or more chronic diseases. Too often, these patients lack an understandable game plan to manage their complex health problems. They get bounced around from one caregiver to the next with little planning or coordination.

A new, first-of-its-kind partnership between Duke University School of Nursing and Horizon Health Innovations, a Horizon Blue Cross and Blue Shield of New Jersey (BCBS-NJ) company, seeks to create a new kind of “quarterback” for the nation’s health care system. The new role has been termed “embedded nurses” and even “practice commandos,” but the position is more accurately described as the Population Care Coordinator (PCC), due to its focus on the most effective and efficient models of care for the sickest population of patients within a primary care practice.

Once they complete training at Duke and preceptorships coordinated by Rutgers, the first group of PCCs will be placed in BCBS-NJ physician practices. Under the terms of the initial contract, Duke will prepare 200 nurses over two years for placement in practices across New Jersey.

“I believe this is the ‘next big thing’ for our school, an opportunity to make an impact nationally and shape the future of health care,” says Dean Catherine Gilliss, BSN’71, DNSc,

by MARTY FISHER



RN, FAAN, who was in New Jersey earlier this month to announce the partnership, along with officials from BCBS-NJ and Rutgers University, which is coordinating the preceptorship portion of the curriculum.

“We are thrilled with the support we have gotten from Duke,” said Christy Bell, CEO of Horizon Health Innovations and president and CEO of Horizon Healthcare, the HMO of BCBS-NJ. Bell is a member of the School of Nursing’s Board of Advisors. “Catherine worked a few miracles to bring a huge out-of-state insurance company together with an academic center.”

Transitioning to Medical Homes

In January, the first 36 students in the new PCC Certificate program arrived on Duke’s campus to begin 12 weeks of classroom, online, and hands-on training. Designed by Barbara Turner, DNSc, RN, FAAN, and Duke nursing faculty colleagues, the curriculum will prepare PCC nurses to help physician practices make the transition to the patient-centered medical home model, in which one primary care practice





Barbara Turner

coordinates a team of caregivers for each patient.

PCC nurses will serve as educators, analysts, facilitators, and care coordinators for patients within a primary care practice, leaving physicians free to oversee patient health planning and provide higher level care to the sickest patients.

BCBS-NJ expects the PCC to have a big impact on both health care costs and patient outcomes. According to Bell, the sickest patients represent just 10 percent of an average primary care practice's approximately 3,000 patients, but they account for about half the cost of caring for the entire population. Bell estimates that an average primary care physician oversees about \$12 million in health care expenditures for a patient population annually.

He says currently primary care doctors are caught on a treadmill, seeing an average of 20-25 patients a day.

"What we want primary care doctors to do is to envision their 3,000 patients as 3 percent very seriously ill, 7 percent with chronic illnesses...we want them to transition to think about how to manage the needs of that higher patient portfolio—their behavioral needs, prevention, screening, prescription adherence, and we think they can reduce that \$12 million expenditure by 10-15 percent," says Bell.

With a PCC nurse coordinating care, the health care team will be able to practice at the full extent of their licenses, and patients will have better outcomes.

"The nurses selected for this program have two key qualities—a passion for excellence in health care and the knowledge and experience to improve the health outcomes of their patients."

BARBARA TURNER



A National Model

The Duke curriculum begins with three days on campus learning about the role of the PCC and the concept of the patient-centered medical home, as well as practice sessions with standardized patients and discussions about cultural sensitivity with diverse populations. Eleven weeks of online training cover patient population management, best practices to improve patient outcomes, disease management guidelines, working with local community resources, motivational counseling, health insurance and Medicare/Medicaid reimbursement, effective communication, economics and health, and much more. The course concludes with 160 hours of preceptorship experiences in New Jersey, coordinated by Rutgers.

"The nurses selected for this program have two key qualities—a passion for excellence in health care and the knowledge and experience to improve the health outcomes of their patients," says Turner.

This partnership between an academic institution and a major insurance company is almost unheard of. Depending on its success in both improving patient outcomes and controlling costs, Turner believes the curriculum will be a national model for a new kind of health care nurse, one that will have a significant impact on quality of care. ◆

FICTIONAL CHARACTERS

Bring Life to the Classroom

INNOVATION &
ENTREPRENEURSHIP
2012

Meet Golda and Antonio. She's a grandmother, rearing her grandson while trying to manage myriad chronic conditions. He's a Mexican immigrant who's juggling the tensions of a high-stress job and a young family.

Nurse practitioner students at the Duke University School of Nursing (DUSON) spent the entire Summer 2011 semester closely following Golda and Antonio. They designed health plans to fit the patients' lifestyles and worried about how any medical changes would affect their daily activities.

But there's one catch—Golda and Antonio aren't real. In fact, they're figments of imagination of DUSON assistant professors Penny Cooper, MSN'02, C'08, RN, FNP-BC, CCRN, and Michael Scott's, DNP, FNP-BC. They exist only on paper, and students know them simply by class-provided clinical notes. However, that was enough to launch students into intricate, and often heated, discussions about the best way to meet Golda and Antonio's health needs.

The format for Managing Common Acute and Chronic Health Problems II, said Scott, who co-taught the class with Cooper, was a significant divergence from lecture-based courses formats. It's a challenge for faculty to step out from behind the podium, he said, but the result is students who are prepared to be independent, proactive nurses.

"This course is a paradigm shift," he said. "We've tried to demonstrate that there are ways to draw students into a discussion. We want students to see and experience for themselves the interplay between context and clinical decision making."

By training students to look beyond rote learning and synthesize that knowledge with individual circumstances,

by *WHITNEY L.J. HOWELL*



Penny Cooper based the fictional patient she created on a real family member named Golda and used these photos to illustrate various stages of her life story.

Cooper and Scott are meeting a charge published in the Institute of Medicine's October 2010 report *The Future of Nursing: Leading Change, Advancing Health*. The report stressed that nurses are ready to augment their roles as primary care providers who can reduce or eliminate gaps in care.

What Happens In Class

The course goal wasn't to memorize and spout a certain number of facts about medications or conditions, Scott said. Instead, he and Cooper wanted to train students to be life-long learners—knowledgeable, well-trained healthcare providers who know where to turn for information. They wanted to produce nurses who could think beyond textbook knowledge to craft care plans to accommodate a patient's daily routine and limitations, such as dependency on public transportation.

According to Cooper, the primary care-focused curriculum spanned roughly 20 years of each patients' life. Students received clinical notes before each weekly class, detailing each patient's vital statistics, laboratory test results, or life changes. Each week focused on a different content area, such as cardiology or neurology. Armed with this data, they came to class and discussed how best to address clinical, billing, and coding concerns.

The class relied on student-led conversation, Cooper said. She and Scott served as content experts who would only occasionally posit questions if the discussion began to lag.

Unlike their other classes, students didn't take tests to gauge how well they retained information. Instead, Cooper and Scott presented case studies unrelated to Golda and Antonio to evaluate how well students digested and applied their procedural knowledge. Cooper said they also required students to offer opinions during class discussions as well as reflect in writing upon certain cases. Adjusting to this format, though, was difficult.

"There was some initial resistance and discomfort with the class structure. It can be uncomfortable to change the 'test,'" she said. "Having them do active reflection was a way to ensure that they thought about the different approaches and opinions brought forth."



Effective and Memorable

For **Mary Johnson, MSN'12, FNP**, a discussion-format class was a novelty, but it was one that greatly enhanced her learning.

"This was much more effective than listening to a lecture where a professor spits out facts and you regurgitate them," she said. "The class was like real life. We learned that we won't always be able to do what we'd like to do medically for our patients—they will have extenuating circumstances, and we'll have to meet them where they are."

Talking with fellow students about specific case studies that spanned more than two decades also fit perfectly with the way **Danielle DiGennaro, MSN'12, FNP**, prefers to learn.

"I, personally, tend to learn best from case studies. The material clicks and sticks with me when it is related to a case,"

"We've tried to demonstrate that there are ways to draw students into a discussion. We want students to see and experience for themselves the interplay between context and clinical decision making."

MICHAEL SCOTT

she said. "We often had a handful of voices that were very prominent. But it was nice to hear from the class as a whole. Different colleagues brought different experiences to the class, be they RN experiences or NP clinical placements."

The in-depth discussions about clinical conditions pushed students to think holistically about Golda and Antonio, but these small-group interactions also introduced the challenges of inter-professional communication. Some discussions, such as one about end-of-life care and Do Not Resuscitate orders, morphed into ideological fights, Johnson said, and classmates had to learn to navigate the differing, and entrenched, opinions.

Taking the Curriculum Nationwide

With such an overwhelmingly positive response to the class format, Cooper and Scott wanted to see if they could translate the in-class experience to DUSON's distance learning programs. The



Michael Scott and Penny Cooper

idea of fusing lively discussion with technology that connects the coasts garnered both attention and financial support.

According to Marilyn M. Lombardi, PhD, director of the new Duke Center of Nursing Collaboration, Entrepreneurship, and Technology (CONCEPT), Cooper and Scott's desire to share the course format outside the school's walls was a perfect fit for the first Catalyst Faculty Innovation Award. The CONCEPT Catalyst Award was created to support innovative and entrepreneurial faculty endeavors.

Lombardi stressed that entrepreneurial work doesn't always focus on making money. In fact, many in nursing view that goal as being antithetical to the profession's service call. She anticipates other DUSON faculty, like Cooper and Scott, will be entrepreneurial on a mainly social level—they'll

endeavor to introduce new ideas to health care delivery that will help patients.

The award gives Cooper and Scott funding to research and identify the best methods for disseminating the course curriculum to the School's distance education students. At the time of publication, they were actively working with Duke's videography and information technology services to bring the project to fruition. The idea is simple, but it will be a challenge to create an environment that brings students from different states and time zones together for active discussions about patient care.

"The catalyst award is the seed money that allows faculty to take risks and think beyond customary pathways for education," Lombardi said. "What [Cooper and Scott] are using is an exciting strategy to introduce technology in support of an innovative approach to teaching and learning. This won't be a simple matter of setting up a video conference."

Instead, Lombardi said, the curriculum for the distance class will likely take a more multimedia, documentary approach with both visual and audio components. Using resources provided by CONCEPT, Cooper and Scott will produce 10 5-minute vignettes that cover each course module and bring Golda and Antonio to life.

Finding the right mix that reproduces the in-class experience for students will require creative collaboration with partners outside the School. The CONCEPT office exists, Lombardi said, to foster these relationships and cultivate the inventive spirit that already exists in nursing.

"We launched CONCEPT because we talk a lot about what nurses refer to as the 'work-around culture,'" she said. "We're faced with a care environment that isn't set up to work optimally for patients, so nurses use the materials that they have close at hand—like cotton balls or construction paper—to create improvised alternatives to meet patients' daily needs."

CONCEPT gives Duke's nursing faculty the freedom to be design thinkers, she said. Through partnerships with other schools, such as the Pratt School of Engineering or the Fuqua School of Business, faculty will have the opportunity to take their ideas further and potentially change how nurses work at the front line of care. ♦

Implanted Defibrillator is “No Big Deal” for MSN Student

Carolina ‘Callie’ Dimsdale, MSN-current, a nurse in Duke Hospital’s Cardiac Intensive Care Unit, knows first-hand the anxiety and fear that comes with being diagnosed with a life-threatening heart condition.

Sometimes, if her patients are stressed about receiving a pacemaker or other implanted cardiac device, she’ll pull aside the collar of her shirt and reveal a 3-inch long scar just below her left collarbone. She’ll tap lightly on a nearly undetectable rectangular bump beneath the skin, pointing to where an implantable cardioverter defibrillator (ICD) was placed seven years ago.

“It changed my life,” she tells them. “This is not a death sentence, and you don’t have to lay on the couch for the rest of your life.”

Indeed.

Since receiving her ICD, Dimsdale, 25, has run two marathons (qualifying for Boston in her first), completed a half-Ironman Triathlon (1 mile swim, 75 mile bike, 13.1 mile run), and has returned to competitive swimming on a local master’s team where last year she clocked a personal best time of 24.4 seconds in the 50-meter freestyle.

This summer she was an ambassador for the Medtronic Foundation at the Twin Cities Marathon in Minneapolis. Medtronic makes pacemakers and ICDs, insulin pumps, brain stimulators and other medical devices. Dimsdale was chosen to run the marathon along with 24 other patient-athletes as a testament that runners with such implants can live full, normal lives.

“It’s rare that I tell my patients my story because I would never want to undermine what they are going through,” she says. “But if there is someone who can really use some encouragement, then hopefully it makes a difference.”

by JIM ROGALSKI

Dimsdale’s own emotional journey began when she was 16. She had been swimming competitively for a decade and was so good she competed in the U.S. Junior National Championships, with an eye toward eventually going to the Olympics.

When she passed out several times in high school she assumed it was from dehydration because she was so physically active. The truth, however, was far worse. She was diagnosed with Long QT Syndrome, a rare heart condition that can cause palpitations, arrhythmia, and sudden death. Her doctor forbade her from swimming for the rest of the summer.

“That was devastating,” she says.

She later was allowed to return to swimming so long as she kept a clunky portable defibrillator by the pool. It was embarrassing, she says, so she wasn’t always compliant. Luckily, she never required its use. Dimsdale continued to excel in the water and was recruited by NCAA Division I school East Carolina University (ECU), where, at 18, she matriculated into the Bachelor of Science in Nursing Program.

“I made sure they were aware of my condition and I started training with them right away,” she says.

But after her physical, the team doctor said he would not allow her on the team because she was too much of a liability.

“It was probably the worst point in my life,” she says. “I was so excited to swim at the collegiate level. I wondered who else would think of me as a liability.”

One night in her dorm a short while later, she had severe chest pains. She rushed to student health services for an EKG. Based on that information her doctor told her she had to either stop intense exercise and competition or get an ICD.

“I said inactivity is just not an option, so, ICD please!” Dimsdale says.

The battery-powered device is slightly smaller than the thinnest cell phone. It is programmed to detect cardiac arrhythmia and correct it by delivering a charge



“When you walk into the ICU it’s a hub of excitement. There’s always an opportunity to teach and encourage patients. Caring for cardiac patients is easy for me because I feel a kind of camaraderie and empathy for them.”

CAROLINA ‘CALLIE’ DIMSDALE



Carolina 'Callie' Dimsdale

of electricity—mild for slight arrhythmia or a full shock if a lethal arrhythmia is detected.

“I can feel the soft pacing charges but I’ve never had to be defibrillated,” she says.

Every three months, “I download myself,” she says, wirelessly transferring data collected by the ICD to a small computer that sends it to her doctor. This technology lets Dimsdale know the exact days and times when the ICD was needed so she can assess what stressors led to its use.

“If nothing else, the information reaffirms that I benefit from this medical therapy,” she says.

Dimsdale will complete the Duke University School of Nursing’s Acute Care Nurse Practitioner Master’s Program this year. She plans to continue working with cardiology patients in a hospital setting.

“I like that the hospital runs 24/7 and never slows down,” she says. “When you walk into the ICU it’s a hub of excitement. There’s always an opportunity to teach and encourage patients.

Caring for cardiac patients is easy for me because I feel a kind of camaraderie and empathy for them.”

And she’ll continue to share her story whenever appropriate.

“It’s one thing to tell a patient, ‘This procedure is not a big deal. It only takes 30 minutes to put in an ICD.’ But it’s another thing to show them my scar and assure them they can continue to do the things they love, and be safe doing them.” ♦

Dimsdale’s mother, Allison, is a cardiac nurse practitioner at Duke Hospital; her younger sister Hannah graduates from ECU in May with a nursing degree; her father Todd, a former collegiate swimmer, works at GlaxoSmithKline. Dimsdale is originally from Mississippi. The name Carolina is a family name.

Pryor Honors Wife's Memory with Two Gifts

Julia Smoot Pryor, N'47, entered Duke University School of Nursing when she was just 16. It was at Duke that she met her future husband **William W. Pryor, MD'47, HS'47-'55**.

She practiced nursing for several years until the couple started having children. They had four—James, Anne, Katherine, and **William Jr., MD'81**, an anesthesiologist.

“Over the years Julia and I came to appreciate more and more what Duke does, and the friends we had there.” William says.

Julia Pryor passed away in 2007. William recently made two donations to Duke in his wife's memory. The first was an \$80,000 gift annuity to the Davison Club to support medical education. The most recent was a \$20,000 gift annuity to benefit the nursing school.

“Duke gave me a chance, and Duke has always been a school that my wife and I loved,” says the retired cardiologist and former vice president of



William W. Pryor

Greenville Memorial Hospital in Greenville, S.C.

With your gift of cash or stocks, Duke will establish a charitable gift annuity in your name and pay you a lifetime annuity. Upon your passing, the remaining funds can provide philanthropic support to an area of your choice at Duke Medicine.

For more information about how you can make a difference with a Duke Medicine charitable gift annuity, please contact:

Joseph W. Tynan, JD
 Director of Gift and Endowment Planning
 Duke Medicine Development and Alumni Affairs
 512 S. Mangum St., Suite 400
 Durham, N.C. 27701-3973.
 Or email tynan002@mc.duke.edu, or call 919-385-3114.

Nursing to Benefit from Bovender Bequest

Duke University trustee **Jack Bovender Jr., T'67, G'69**, and his wife, Barbara, will give \$5 million to Duke University School of Nursing as part of a \$25 million bequest announced in December.

The bequest also provides \$10 million for the Health Sector Management Program at Duke's Fuqua School of Business and \$10 million for Trinity College of Arts and Sciences.

The gift to the School of Nursing honors Barbara Bovender, who was a head nurse at Duke University Hospital when she and Jack married. It also honors Jack's mother, brother, and daughter-in-law, who are all registered nurses.



“Nurses are playing an increasingly important role in the delivery of health care, and our school has a strong tradition of preparing both outstanding clinicians and nurse scientists who can lead health innovations for the future,” said **Dean Catherine L. Gilliss, BSN'71, DNSc, RN, FAAN**. “The Bovenders' support recognizes the contributions of nursing and will help us continue to lead.”

Jack Bovender earned an undergraduate degree in psychology and a master's degree in hospital administration at Duke. He worked in the health care industry for 40 years before retiring in 2009 as chair and chief executive officer of Hospital Corporation of America. He was named the “Best CEO in America” three years in a row by *Institutional Investor* magazine and in 2007 received the American College of Healthcare Executives Gold Medal Award for career-long contributions to health care professions. He has been a member of the Board of Trustees since 2007 and serves as vice chair, member of the executive committee, chair of the audit committee, and vice chair of the business and finance committee.

“Duke has played an important role in my life,” says Bovender. “It's rare for a single university to be able to offer a world-class education in the liberal arts, in business, and in the delivery of quality health care... Through this gift, Barbara and I want to help pave the way for future students to take advantage of all that Duke has to offer.”

Jack and Barbara Bovender live in Nashville, N.C.



Gerald Lucovsky

Duke Raleigh Nurses Inspire Lucovsky Scholarship

Moved by the care his wife received at Duke Raleigh Hospital, Gerald Lucovsky, PhD, has given \$100,000 to establish a scholarship endowment at Duke University School of Nursing.

The physicist and N.C. State University distinguished university professor had few ties to Duke until his wife Roberta “Bobbie” was diagnosed with lung cancer in November 2010. But for the next 10 months the couple became intimately familiar with the Duke Raleigh nurses who supported them throughout Bobbie’s battle. In early September, her battle ended after she slipped into a coma and died a few hours later with Lucovsky holding her hand until her last breath.

During the course of her treatment—which included chemotherapy, surgery to remove a lobe of one lung, and physical therapy—Lucovsky says the positive attitude of the Duke Raleigh nurses was infectious and helped him and Bobby remain optimistic. The couple’s outlook became: “just support each other, and live every day to the fullest.”

“They were the most amazing staff,” Lucovsky says of the nurses at Duke Raleigh Cancer Center. “All these nurses—male and female—knew these (lung cancer) patients weren’t going to be here in three to five years, but they never missed a beat. They were the most caring people I had ever met in my life.”

After Bobbie’s death, Lucovsky knew right away that

“All these nurses...
...knew these patients weren’t going to be here in three to five years, but they never missed a beat. They were the most caring people I had ever met in my life.”

GERALD LUCOVSKY

he wanted to find a way to say thanks. So with help from Brenda Wilcox, RN, a certified oncology nurse, who works as a patient navigator at Duke Raleigh Cancer Center, he came up with the idea to establish a nursing scholarship.

Lucovsky says he wanted give back in a way that would have a lasting effect, an important lesson he learned from a mentor early in his career.

“My mentor pointed out what my responsibilities were: to foster excellence wherever you see it, try to nurture others, and if you can provide a path for more people, you have to do it.”

Lucovsky says he wanted to play a part in paving the way for the next generation of nurses hoping to achieve the same level of excellence displayed by the Duke Raleigh nurses. It’s something he says Bobbie, who told him to “celebrate her life,” would have wanted. He says setting up the scholarship was “her way of speaking through me.”

The scholarship endowment is unrestricted. Lucovsky says he plans to have his family members, including a granddaughter who is a registered nurse, meet future scholarship recipients.

The Lucovskys were married for 54 years and had five children and nine grandchildren. They were avid travelers, racking up millions of frequent flier miles between them. One of their favorite destinations was New Zealand, and Lucovsky says he has made plans to have their ashes released off the coast of Stewart Island after his death.

1940s

Margaret Allan Thomas, N'40, is retired from nursing in a Houston high school. She has moved to Ennis, Texas, and lives in a converted carriage house on her son Russell's property. She also has a daughter, Pamela. Her husband Earl passed away 11 years ago.

Ernestine Rose Chambers, N'43, of White Hall, Md., recently was honored for her 60 years of volunteer service at Franklin Square Hospital Center in Baltimore, Md. She, her two daughters, son-in-law, and two grandchildren all live on a horse farm in North Baltimore County. Each daughter has her own home on the farm.

Elizabeth Reinhardt Mabry, BSN'43, is a professor emerita at the Nell Hodgson Woodruff School of Nursing at Emory University. She volunteers weekly—with no nursing duties—at an oncology clinic at Emory. She lives in Decatur, Ga.

Jessie Wall McCoy, BSN'43, celebrated her 90th birthday in March 2011. She says she is “completely retired” and enjoying life with many friends, family, 10 grandchildren, and seven great-grandchildren. She lives in Decatur, Ga.

Louise Vaughan Morgan, BSN'45, is retired and living in a retirement community in Salisbury, Md. She most recently taught in the licensed practical nurse and registered nurse programs at Wor-Wic Community College. In 2010, she established a nursing scholarship at the college. Morgan's husband, **William Clayton Morgan, MD'44, HS'44-'45, '47-'48**, died

in 2002. She has three children, five grandchildren, and one great-grandchild. Her son is a dentist in the U.S. Navy; her middle daughter works at the U.S. Centers for Disease Control and Prevention; and her youngest daughter is an audiologist in Salisbury.

Mary Willcox Phillips, BSN'45, is staying active in United Methodist Women and sings in the choir of her church. She also is caring for her 96-year-old husband, Roy, to whom she has been married for 62 years. She lives in Houston, Texas.

Jane Davis Swan, BSN'45, of Andrews, N.C., has two daughters, six grandchildren, and two great-granddaughters, who live in various locations: Gurnee, Ill.; Austin, Texas; Galveston, Texas; and Tunis, Tunisia.

Sarah Welsh Buie, N'47, has been living happily in The Fairfax retirement community at Fort Belvoir, Va., since 1991. Her husband **Col. James C. Buie, T'53**, passed away in 1999. In the 1970s, she assisted in the establishment of the first alcohol treatment unit at Fairfax Hospital in Falls Church, Va., where she worked for seven years. She left nursing for 19 years, then returned for another 17 years before retiring. She has three children, Sarah, James Jr., and John.

Joanne Bouton Dunwoody, N'47, retired, is a lay Eucharistic minister in the Episcopal Church. She also takes a gospel singing class at California State University, Monterey Bay, and sings in a concert choir in King City, Calif., where she lives. She has five children, seven grandchildren, and seven great-grandsons. A great-granddaughter was expected in December.

Elizabeth Armbrister Farley, N'47, of Bluefield, W.Va., has had some health problems but still stays active. She enjoys walking at the mall and spending time with her 7-year-old black poodle, Zoe. Farley's husband of 62 years died November 17, 2010.

Evelyn Davis Morgan, BSN'47, MSN'72, is 88 and retired from nursing but still keeps tabs on the profession by reading publications from the nursing honor society Sigma Theta Tau and the International Oncology Nursing Society. She lives in Durham.

Dorothy “Dolly” Giles Stevenson, N'47, lives in a retirement community in Birmingham, Ala. Health factors have limited her activities and social life. She and Edward W. Stevenson, T'45, MD, have been married for 64 years. They have three living children, Sally Yeilding, Laura Healy, and Molly Walker, and eight grandchildren.

Miriam Atkinson Donovan, BSN'49, and her husband John, T'50, live in a retirement community in Silver Spring, Md. They are active socially and attend fitness classes three times per week. They have two sons, and several grandchildren and great-grandchildren.

Mildred Smith Prevatt, BSN'49, of Chester, S.C., enjoys tracing her family genealogy and reading. Her granddaughter will soon receive a PhD in pharmaceutical chemistry.

1950s

Margaret Murray Mead, BSN'50, lives with her husband James and their disabled daughter Meg in Friendship Retirement Community in Roanoke, Va.

She and James are still in good health and enjoy living at the retirement community. Mead's favorite professional experience was teaching nursing at a community college in Clifton Forge, Va., from 1976-1990. She and James have four children between them, including Meg. Joe has two daughters and is an antique Oriental rug dealer in Charlottesville, Va. Mary is a single mom raising a 12-year-old son in Salem, Va. Anna lives in Ruckersville, Va., with her husband and daughter Margaret, 9.

Mar Jo Tate Herron, N'51, retired from nursing two years ago. Her last job was giving flu shots for a private company at pharmacies, offices, grocery stores, and other places. Now she spends her time making pillowcase dresses for orphans in Africa through littledressesforafrica.org. She also sings in a seniors group that gives performances twice a year, one at Christmas and one in the spring. She lives in Largo, Fla., where three of her four children live. She has five grandchildren and three great-granddaughters.

Edith Boone Toussaint, BSN'51, who celebrated her 90th birthday in 2010, is somewhat limited in her activities but still enjoys volunteering at her church and with the organization, Resources for Seniors. Though retired from teaching in the community college system, Toussaint, who lives in Raleigh, continues to participate in Encore classes and activities offered at her church. She also enjoys reading and the “lost art” of letter writing. She has two children, Daniel and Edith, and one granddaughter.

Parks, BSN'58, is Postmaster of Official Ghost Town

Fifty-two miles from the nearest gas station and grocery store, where decaying buildings rest on crumbling foundations and where tumbleweeds blow down the dusty streets just like in the movies, is Tuscarora, Nev.

While the town has a half-dozen or so refurbished homes, it lacks any commerce. There isn't even a coffee shop. But, on the edge of town, in a small, blue, shack-like building there is an oasis of activity. It's the U.S. Post Office where the 15 or so townsfolk meet to talk about news, weather, and each other.

"Sometimes I think we're crazy," says **Julia Gardner Parks, BSN'58**, with a laugh. She moved to Tuscarora with her husband in 1972. "It's the high desert and there are no trees. This was a shock at first, but I've gotten so used to the sky that when I'm in trees I get claustrophobic."

Parks is not just a resident of this official ghost town, she's also the postmaster and the librarian. Surprisingly for a town this small, being postmaster is a fulltime job. She sorts the mail for Tuscarora's residents and for about 350 more people living on ranches spread 50 or more miles around her region of Elko County.

Tuscarora may be off the beaten path and a mere shadow of the bustling silver-mining town it was in the late 1800s, but that doesn't mean those who choose to live here are lost, in any sense of the word.

Tuscarora is earning an international reputation as an intimate artist colony, specifically for potters. Parks and her husband, Dennis, actually played a significant role in putting Tuscarora on the cultural map.

The two met while Julie was at Duke, first as a nursing student, then as an assistant instructor, and Dennis was at UNC-Chapel Hill earning a bachelor's degree in English literature. They married and moved to Iowa City, where Dennis was in graduate school and Julie began a nursing career.

Dennis then followed his passion for pottery and earned a masters of fine arts degree (MFA) in ceramics and sculpture from Claremont Graduate University

in Claremont, Calif. He launched ceramics departments at Knox College in Galesburg, Ill., and at Pitzer College in Claremont. The couple also lived in Washington, D.C., where Dennis had a studio and art gallery.

Julie enjoyed a rewarding career in clinical care nursing and teaching, and Dennis became an acclaimed potter, both in the U.S. and abroad. He has conducted workshops and lectures worldwide and published the seminal book, "A Potter's Guide to Raw Glazing and Oil Firing."

The Parks established The Tuscarora Summer Pottery School in 1966 and it continues to thrive today. It draws a handful of people from around the nation and the world each summer for its acclaimed program. Today the school is run by the Parks' son, Ben, who earned a bachelor's degree in economics at Stanford, an MFA at Claremont, and three years ago earned a nursing degree. He works a few days a week at a hospital in Elko, the nearest town.



"Tuscarora is becoming primarily an artist's retreat," Julie says. "We have painters, jewelers, sculptors, and a few retired folks who just like the peacefulness."

There's no doctor in town so Julie still applies a bandage once in a while. And whenever someone is sick, she has everyone in town

sign a get well card.

"I like being in contact with all of the people in town," she says. "Plus I have a beautiful view from my window of the valley and the mountains."

The Parks have a second son, Greg, who is an equine veterinarian in Southern California. Their son, Ben, has a daughter, Aurora Tuscarora Parks, who lives with her mother in both Los Angeles, Calif.

and Tuscarora. Dennis Parks has also written two other books: "Living in the Country Growing Weird" (2001); and "Alien Among Anxious Artists" (2011).

— JIM ROGALSKI

"I like being in contact with all of the people in town. Plus I have a beautiful view from my window of the valley and the mountains."

JULIA GARDNER PARKS



Robina Norwood Kerr, N'52, spends much of her time doing ministry work, arts and crafts, and sewing quilts. She has a son and a daughter. She lives with her daughter in Clarkston, Mich.

Mary Ann Dyer Pate, N'52, retired, is active in several local clubs and community work in Virginia Beach, Va. She has three daughters, five grandchildren, six great-grandchildren, and one great-great-grandchild. Her husband Jamison "Jim" Pate died May 6, 2010.

Annette Kohlmeier Rulon, N'52, is retired from nursing but says she acts as a "health advisor" to her five children, five grandchildren, and one great-grandchild. She and her husband, a retired professor, work with people who have lost their spouses. The Rulons live in Flagstaff, Ariz., on a small lake with a mountain view. One of her sons owns Rulon Financial in Phoenix, another works in an attorney's office in Las Vegas, and one is an officer for Banner Health.

Olga Hinderer McNamara, BSN'53, is retired from nursing and is involved with helping to establish community gardens in Toledo, Ohio, where she lives. Her involvement with the Toledo Grows Program involves working with the juvenile justice system that provides most of the help in setting up and maintaining the gardens. Youth are provided with job training while they re-enter the community after incarceration.

Thelma Smith Brandon, BSNEd'54, retired since 1994, participates in the quilting ministry at her church and is active in a number of retired

nurses and teachers associations. Her husband, Jim, retired 24 years ago after 32 years of teaching Spanish and math. The couple lives in Waterloo, Ill. Their daughter, Rachel, is a biology lab director at Forest Park Community College. They have three sons: Jim Jr. works in the steel industry, Joe is a sales manager at St. Louis Paper and Box Co., and George is a manager for Wal-Mart in Ohio.

Jane Agner Frost, N'55, BSN'57, is semi-retired and working a few days a week at Central Regional Hospital in Butner, N.C. She is active in her church—playing in the hand bell choir, teaching vacation Bible school, and teaching a Sunday school class. She is also active in many senior citizen activities and enjoys following the Duke football and basketball teams. She lives in Butner.

Margaret Lightsey MacMillan Payne, BSN'56, lives in a retirement community in West Columbia, S.C. She serves on the board of directors for a family business and on the board of visitors for Charleston Southern University. Though walking with a cane, she still stays active and enjoys music, playing bridge, attending Bible study, watching Duke basketball games on TV, and spending time with family and friends. She has two children, two stepsons, and 12 grandchildren. Her second husband died of bladder cancer five years ago.

Virginia Ann Warren Rowland, N'58, volunteers with a lifelong learning program and serves on a steering committee for a Woman's Club that now has more than 200 members. She took four cruises in the past year. In addition to her love of travel, Rowland enjoys

reading and doing crafts in her spare time. She lives in Jupiter, Fla., and has two sons.

1960s

Carol Davis Freese, BSN'65, is retired from nursing but is the owner and operator of an antique business, House with the Lions Antiques, Inc. In her free time, she enjoys antiques, spending time with her grandchildren, spending time outdoors, working in the community, and visiting the farm she owns. She and her husband **Warner, E'63**, live in Covington, Ind., and have two daughters and four grandchildren. Their daughter, Jane, Ann Chapman, a graduate of Purdue University, lives in Blackstone, Mass; and their daughter, Susan D. Reynolds, also a Purdue graduate, lives in Covington.

Judy G. Ozbolt, BSN'67, has retired to Asheville, N.C., with her husband Larry Kingsland. She continues professional involvement as chair of a technical expert panel on a project for the Office of the National Coordinator for Health Information Technology in the U.S. Department of Health and Human Services. The panel is charged with predicting and developing ways to prevent or mitigate adverse consequences of adopting electronic health records, meaningful use of health information for quality improvement and public health, and health information exchange.

Betty Futrell Shepherd, BSN'67, is retired after having taught nursing and personal and community health for 31 years at Virginia Western Community College in Roanoke, Va., where she has lived since 1970. Her

husband, Harold, is retired from Piedmont Private Industry, where he counseled and helped unemployed people explore new careers. Betty and Harold have two sons. Russell, a former assistant coach in the NBA, is now head coach of the University of California, Irvine, men's basketball team. He and his wife, Liz, have two children: Devlin, 7, and Darius, 4. Del is a regional manager for Prudential Financial. He and his wife, Kim, live in Charlotte with their infant son Blake.

Diane Morrison Snow, BSN'67, was inducted as a Fellow of the American Academy of Nurse Practitioners in Las Vegas in June 2011. She currently is director of the Psychiatric Mental Health Nurse Practitioner (PMHNP) program at the University of Texas at Arlington College of Nursing and works as a PMHNP in private practice in Denton, Texas.

Bonnie Walters Volk, BSN'67, has retired from nursing after more than 40 years doing bedside nursing "in the trenches." She twice served in the military, first with the U.S. Air Force during the Viet Nam war, and then with the U.S. Army Nurse Corp during Operation Desert Storm. She and her husband, Lawrence, live in Winston-Salem, N.C.

Christina Moyer Johns, BSN'69, is currently working with another nurse to build a business as geriatric care managers in Bloomington, Ind. They have already established a personal service attendant agency. Johns has taken on these new challenges after working more than 30 years as a director of nursing and nurse consultant in long-term care. Personally, she took

on a renovation of her beach house in Avon, N.C., and is in the process of selling her home in Bloomington. She volunteers with her church and several organizations in the Bloomington community. She also enjoys gardening, playing Scrabble once a week with a group, and texting and emailing her grandchildren. She has four children and 11 grandchildren, who live in South Carolina; Tacoma, Wash.; San Francisco; and Indianapolis. They gather once a year at Johns' beach house.

1970s

Ruth A. Conn, BSN'71, is the section head of Virginia Mason Sandpoint Pediatrics in Seattle, Wash., and a clinical professor at the University of Washington School of Medicine. She is a member of the American Board of Pediatrics. Her daughter Maggie has started college at the University of Washington Foster School of Business. Conn lives in Seattle, where she enjoys running, hiking, reading, and playing guitar.

Rebecca Corns Hurwitz, BSN'71, of Toronto, Canada, enjoys creating textile art, including medical images, in her free time. Her work is on display in hospitals in the U.S., Canada, and the U.K. She and her husband, Gil, have two children, Maggie and Josh.

Joan M. Stanley, BSN'71, is the author of the third edition of *Advanced Practice Nursing*, published by F.A. Davis Company. The book contains a chapter titled, "Acute and Primary Care Advanced Practice Nursing: Past, Present, and Future," that was written at Duke University School of

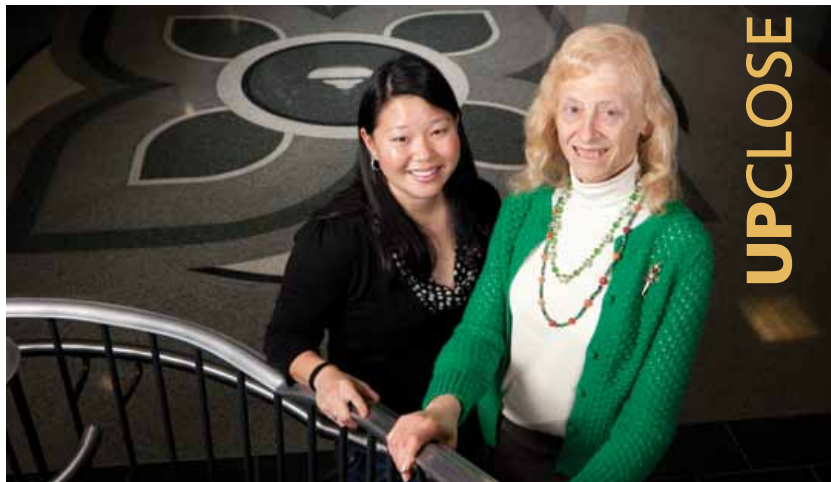
Nursing **Dean Catherine L. Gilliss, BSN'71, DNSc, RN, FAAN**; Assistant Clinical Professor **Margaret "Midge" Bowers, MSN'90, FNP-BC**; and Professor of Nursing **Linda L. Davis, PhD, RN, DP-NAP, FAAN**.

Sharman Kasdan Stephens, BSN'71, of Arlington, Va., currently works as a health care consultant after spending more than 30 years working in health policy at the U.S. Department of Health and Human Services. She enjoys cooking and spending time with her new grandson. She has three children. David is married with one son and works in an administrative position in the housing department at the University of Virginia. Julie is a PhD candidate in South Asian history at Harvard University. Sarah is in her third year of medical school at Tulane University.

Deborah Crum Starnes, BSN'72, retired in 2010 from her public health position at the Ingham County Health Department in Lansing, Mich. She is now pursuing her love of photography and travel. Also in 2010, both of her sons—James and Steven—got married. She lives in Okemos, Mich.



Martha Olson Tippets, BSN'76, a retired inpatient psychiatric nurse, is working with a fellow retired nurse to write a



Kimberly Davis is the third member of the Davis family to find her way to nursing. Young's mother, **Diane Holditch-Davis, BSN'73, PhD, RN, FAAN**, is the Marcus E. Hobbs Distinguished Professor of Nursing. Holditch-Davis's sister is **Nancy Holditch Young, BSN'81**, who today is a nurse at an urgent care center in Vienna, Va. Kimberly Davis is enrolled in the Accelerated Bachelor of Science in Nursing degree program. She says she's found a cheerleader and mentor in her mother. "Having her there has been a huge help, because she calms me down when I get really anxious, and she helps me out when I don't understand some concepts," says Davis. "She truly is a reason why I've stayed somewhat sane during the semester!"

collection of stories from nurses who graduated in 1980 or earlier. They want to highlight the changes that have taken place in nursing and in medicine. "At one point we had glass syringes and glass IV bottles and everything was cleaned and re-used. Now, almost everything is disposable," she says. She especially encourages older nurses to contact her. Her email address is motip5599@aol.com. She and her husband, Dave, live in Wellington, Colo. They have two grown sons and a granddaughter.

Linda Stephens Gipson, MSN'77, has completed the PhD program in public health at the University of South Florida, with a concentration in health policy. She is vice president and system chief nursing officer for Naples Community Health System in Naples, Fla., where she lives.

Jeanne M. Erickson, BSN'79, received a 2011 Excellence in Writing Award for Quantitative

Nursing Research from the Oncology Nursing Society's (ONS) publishing division. The award recognizes her article, "Patterns of Fatigue in Adolescents Receiving Chemotherapy," published in the ONS journal, *Oncology Nursing Forum*. She currently is an assistant professor in the School of Nursing at the University of Virginia in Charlottesville.

Karen Margolis Frank, BSN'79, of Boulder, Colo., works at Boulder Community Hospital in the Family Birth Center as a registered nurse and lactation consultant. She has volunteered with the National Ski Patrol for 27 years. Outside of work, she enjoys walking, hiking, cross-country skiing, reading, and yoga. She has been married to her husband, Mark, for 30 years. Their daughter, Heather, is a student at Colgate University, and their son, Chris, is a high school student.

1980s

Bonnie E. Hess, BSN'80, is senior minister at the Ventura Center for Spiritual Living in Ventura, Calif. She and her husband, Hugh, live in Santa Paula, Calif.

Julie Raimondi Coleman, BSN'82, is retired from nursing and now runs the Justin Lord Coleman Foundation in honor of her son, who was killed in a car accident in Australia at the age of 27. Twenty-three Australians received life-saving or life-improving transplants from Justin. The foundation advocates for organ donation and currently supports eight different organizations. She and her husband, **William Coleman, MD, HS'79-'82**, have a daughter and two grandchildren and live in Chapel Hill.

Laurie Sayers Jeffers, BSN'82, owns her own nurse practitioner practice—Well Woman Care—in Little Silver, N.J. She said opening the practice was her greatest professional achievement. In September, she completed her first triathlon. She enjoys traveling with her husband, **Mark Jeffers, E'82**, who works for a French company. They have two sons, Nicholas, 20, and Peter, 16, and live in Rumson, N.J.

1990s

Tina B. Kennedy, MSN'93, is a family nurse practitioner at Goshen Medical Center in Beulaville, N.C. She has been competing in local road races where she has been placing first or second in her age group. She and her husband, Randall, have been married for 29 years. They have two daughters, ages 24 and 26, and live in Beulaville.

Brenda Elkins Allen, MSN'96, is a part-time family nurse practitioner in South Robeson Medical Clinic in Fairmont, N.C. In 2006, she married Billy Allen after 10 years as a widow. She has three children—Andrea Gray, Veronica Elkins, and Ronald Elkins Jr.—and four grandchildren. She lives in Lumberton, N.C.



Crystal Tillman Harris, MSN'97, is the education consultant for the North Carolina Board of Nursing. She works with 121 pre-licensure nursing programs across the state. She is enrolled in the Duke University School of Nursing's Doctor of Nursing Practice program. She recently moved into a condo in Raleigh while keeping a home in Charlotte, where her husband owns a generic research company. They have a son, 21, and a daughter, 18.

2000s



Laura Bach, MSN'00, a psychiatric-mental health nurse practitioner, completed two mini-triathlons in 2010. She also

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We love to publish your photographs; note that electronic images need to be at least 300 dpi for printing.

loves rock climbing and following the Durham Bulls baseball team. She lives in Cary, N.C., and says she would love to hear from classmates. Her email address is laura.bach@gmail.com.

Alice W. Munyua, MSN'00, went on a medical mission trip in July to Nairobi, Kenya, where she helped provide an eye glass clinic and small surgical procedures to more than 5,200 people. She went with a group of 20 American nurses, doctors, and medical technicians. Munyua works part time and enjoys traveling in her free time. She is a single mother of two girls, ages 16 and 14. The family lives in Raleigh.

Lisa Barnett Phillips, MSN'00, is a family nurse practitioner at a community health center in Spokane, Wash., where she provides care to the poor, homeless, and under-insured. She said she loves living in the Pacific Northwest because of its abundance of professional opportunities and outdoor adventures. She and her husband, Ian, have two children, Alexander and Bjorn, and live in Nine Mile Falls, Wash.

S. Celeste Toombs, MSN'00, GNC'02, was recently appointed by the Durham City Council to serve on its Cultural Advisory Board. She will chair the board's Durham Cultural Forum Committee. She lives in Durham.

Henry Cutler Torrey II, MSN'00, has worked 10 years with N.C. Pediatric Associates. He enjoys spending time with family, reading, fishing, hunting, and being outdoors. His wife, Jen, is a financial planner. They live in Franklinton, N.C., with their three children, Helena, 7; Cutler, 5; and Holden, 3 months.

Ellen Bridges McLaurin, MSN'01, is practicing solo as a family nurse practitioner at Village Family Practice, a small health care facility in Fayetteville, N.C. She specializes in primary and urgent care and has taken an interest in nutraceuticals—all-natural nutrients and dietary supplements. She also works some in a local methadone clinic. She and her husband, Tony, have three children, two sons-in-law, and a grandson. She lives in Fayetteville.

April Gant, MSN'04, FNP'07, currently runs her own clinic, A Brighter Future Healthcare, with her husband in Fayetteville, N.C. The clinic offers services in family care, mental health, and substance abuse treatment.

Lauren A. Bond, ABSN'06, is a nursing informatics specialist at the University of Kansas Hospital working with electronic medical records, managing and advocating for improvements in the system. Prior to taking this position in 2010, she was a staff nurse on a medical cardiology progressive care unit. She is working towards American Nursing Credentialing

Center certification in nursing informatics. In her free time, she plays in the Kansas City Wind Symphony, a semi-professional wind ensemble. She and her husband Kevin live in Overland Park, Kan., with their two dogs.

Penny Jones, MSN'06, is a nurse practitioner with Triad Adult and Pediatric Medicine in Greensboro, N.C. She and husband Steven have two sons and live in Archdale, N.C.

Margaret McRae Bovender, MSN'07, is a family nurse practitioner with Novant Health in Advance, N.C., where she started a weight-management program. She recently won in the female overall category in a 5K race and is currently training for her first half marathon. She and her husband, who teaches and coaches football, have been married for seven years. They have two children, ages 5 and 2. Bovender's father-in-law recently had open heart surgery, and her mother is a recent breast cancer survivor. Both have inspired Bovender and her husband to run races.

Laura C. Bax, ABSN'08, recently completed an evidenced-based practice fellowship, in which she conducted research on reporting systems. Currently a pediatric intensive care unit nurse at Oregon Health and Science University Doernbecher Children's Hospital, she has been elected chair of her unit-based practice council. She and her husband, Tyler, F'08, recently bought their first house in Portland.

Kelly E. Anderson, ABSN'08, received a 2011 Friends of Nursing Award from Duke. An emergency nurse at Duke University Hospital, Anderson



From left, Lt. Cmdr. Marsha Hanly, Lt. Cmdr. Jason Layton, Lt. Gretchen Coady, and Lt. Cmdr. Brian Feldman. Not pictured is Lt. Cmdr. Emily Cole

Alumni Board *USNS Comfort* for Humanitarian Mission

A pair of School of Nursing graduates recently joined three other Duke University graduates aboard Military Sealift Command Hospital Ship *USNS Comfort* for a five-month humanitarian assistance mission to the Caribbean and Central and South America.

Lt. Cmdr. Marsha Hanley, MSN'08, and Lt. Cmdr. Jason Layton, R'04, were aboard with fellow Duke grads Lt. Cmdr. Emily Cole, T'95, Lt. Cmdr. Brian Feldman, E'97, and Lt. Gretchen Coady, T'02.

Layton and Hanly are nurse specialists in neonatal and adult acute care, respectively. Layton oversaw the nurses at the medical sites, and Hanly oversaw the Intensive Care Unit. Layton is stationed at National Medical Center, Washington D.C., and Hanly is stationed at Naval Medical Center, Portsmouth, Va.

The mission, called Continuing Promise 2011, provided full hospital services to support U.S. disaster relief and humanitarian operations. The medical treatment facility aboard is one of the largest trauma facilities in the United States and offers a full spectrum of surgical and medical services.

Comfort left Norfolk, Va. April 8 and proceeded to Kingston, Jamaica. From there, it traveled to Peru, Ecuador, Colombia, Nicaragua, Guatemala, El Salvador, Costa Rica, and Haiti.

The humanitarian mission was completed Aug. 30 and the crew returned to Norfolk Naval Station Sept. 2. *Comfort* returned to its home port of Baltimore, Md. Sept. 8.

received the Medtronic Physio-Control Award For Excellence in Emergency/Trauma Nursing. The Friends of Nursing Excellence Awards, which carry a \$1,000 educational stipend, are presented each year at the annual Friends of Nursing Gala.

Clare Wechter Bremer, ABSN'08, MSN'11, married Michael A. Bremer on May 20, 2010. They live in Cary, N.C.

Kimberly C. Brewer, ABSN'08, was commissioned into the U.S. Air Force in 2009 and was assigned to Wilford Hall Medical Center in San Antonio, Texas. She works in the Department of Defense's only allogeneic bone marrow transplant unit, which has since consolidated with Wilford Hall's inpatient facility and moved across town to Brooke Army Medical Center. Upon first

arriving at the unit, she says she was pleasantly surprised to learn her nurse manager, **Stephanie A. Condron, MSN'94**, a retired Air Force lieutenant colonel, was also a Duke alumna. Brewer is still assigned to the 59th Medical Wing, which operates Wilford Hall Medical Center, and Condron is now the clinical nurse specialist for hematology/oncology at San Antonio Military Medical Center North, the more official designation of Brooke Army. Brewer lives in San Antonio.

Aviva L. Okun Emmons, ABSN'09, married Laney A. Emmons, RN, on September 10 in Durham. Both bride and groom are nurses at Duke University Hospital.

2010s



Pamela J. Morgan, MSN'11, has been named the recipient of the 2011-2012 Keihin Endowed Faculty Chair at Edgecombe Community College (ECC) in Tarboro, N.C. As the Keihin chair holder, Morgan received \$2,500 and a chair with an engraved brass nameplate. She has been an instructor at ECC for six years. She lives in Tarboro.

Rebecca Laign Orlino, MSN'11, was married to Elmo N. Orlino Jr. on May 15, 2010. The couple lives in Sacramento, Calif.

obituaries

Ruth Barton Habbersett, BSN'39, of Media, Pa., died Dec. 1, 2011, at home. She was 93. After graduating from Duke, she worked at a military base hospital in Virginia and later practiced private duty nursing in Pennsylvania. She was predeceased by **Edgar, T'42**, her husband of 53 years. She is survived by three children.

Lottie Mae Brewer Sapp, BSN'39, of Biltmore Forest, N.C., died at Pisgah Valley Retirement Community on May 7, 2011. She was 94. After earning a bachelor of science in nursing degree from Duke University School of Nursing in 1938, she directed the public health program in Concord, N.C., where she met her future husband L. J. "Jeff" Sapp. She supported his efforts in the Civil Air Patrol in Manteo during World War II before they moved in 1947 to Winston-Salem and then to Asheville, where Jeff owned the Towne House Bakery. In Asheville, she continued working in public-health nursing, especially in maternal and child care. She was preceded in death by her husband and is survived by three children and six grandchildren.

Carl Denyse Bryant Stanley, BSN'40, of Greenville, S.C., died Aug. 15, 2011. She was an employee of the Greenville Hospital System for nearly 30 years, serving as a member of the faculty of the school of nursing for many of those years. She was made an honorary member of the Alumni Association of the Greenville General Hospital School of Nursing. Following the closure of the school of nursing, she served in the Greenville Memorial Hospital Staff Development Department and as interim coordinator of staff services. She served in several elective offices of the Greenville County Medical Auxiliary, including president. She was predeceased by her husband Robert Stanley, MD, and is survived by a son, four grandchildren, and four great-grandchildren.

Alma "Margaret" McKenzie Scholl, N'44, of Southern Pines, N.C., died Nov. 27, 2010, at her home. She was 87. She served as a 1st Lt. in the U.S. Army Nursing Corp in France and Germany during World War II. She later worked at the Durham Veterans Affairs Medical Center. She retired from nursing at the age of 75, after working for Penick Village in Southern Pines. She was preceded in death by

her husband, Thomas. She is survived by a son, two daughters, six grandchildren, and three great-grandchildren.

May Craigge Jones Kernodle, BSN'46, of Elon, N.C., died Nov. 21, 2011. She was 87. She attended Georgetown College in Georgetown, Ky., for two years before entering the Duke University School of Nursing. She was a member of Santa Filomena Honor Society and later inducted into Sigma Theta Tau International Honor Society of Nursing. After Duke, she became a head nurse in charge of premature and newborn babies at Duke Hospital. She married **George Wallace Kernodle, MD'44, HS'45-'47**, in 1947 and moved to Burlington, where he had recently begun a pediatrics practice. She assisted as a nurse in the practice until their first child was born in 1951. In addition to her husband, she is survived by three sons, a daughter, and 10 grandchildren.

Nancy Lineberry Matthews, N'46, of Cary, N.C., died at her home on June 30, 2011. She was 85. She served as a member of the U.S. Cadet Nurse Corps during World War II, before marrying her high school sweetheart, Jim Matthews, in 1946. After working in the home for many years raising their eight children, she returned to nursing in 1964, joining the staff of Wake Memorial Hospital's satellite facility in Apex. After retiring in 1975, she spent most of her time on Oak Island, where she served as a captain on the town's rescue squad. Later in life she returned to Cary where her children cared for her throughout the remainder of her life. She was preceded in death by her husband. She is survived by four daughters and three sons.

Anna "Madge" McLendon Mayer, N'47, of McComb, Miss., died Sept. 16, 2011, at her home. She was 87. She earned degrees at Furman University in Greenville, S.C., and Duke University School of Nursing, where she met **William T. Mayer, MD'47**, whom she married in 1947. She was a staff nurse at Harper University Hospital and Hutzel Women's Hospital, both in Detroit, Mich., and Southwest Mississippi Regional Medical Center in McComb. She was preceded in death by her husband. She is survived by five children and 14 grandchildren.

Wanda Slaybaugh Boardman, BSN'49, of Honolulu died April 27, 2010. She was 88. Boardman was preceded in death by her husband, **William, T'44**.

Lillie Mary Henson, BSNEd'49, of Landrum, S.C., died June 9, 2011. She was 94. After completing high school in Tryon, she took nurses training at Mission Memorial Hospital in Asheville, N.C., and became a registered nurse in 1938. She joined the U.S. Army Nurse Corp in 1941, and her first assignment was at the Station Hospital at Camp Croft, S.C. From there, she and eleven other nurses volunteered to go to North Africa, and she was overseas from 1942 to 1944. After discharge in 1945 as a 1st Lt., she worked as a nurse and earned a bachelor's degree in nursing from UNC-Greensboro and then a bachelor of science in nursing education degree from Duke University School of Nursing. Beginning in 1957, she worked as a nurse and taught nursing at Veterans Affairs hospitals in Asheville; Hines, Ill.; Muskogee, Okla.; and Kerrville, Texas, until her retirement in 1979, when she moved to Landrum.

Margaret Ruth Register Allen, BSN'58, MSN'64, of Asheboro, N.C., died suddenly on Aug. 2, 2011, at High Point Regional Hospital. She was 74. She served on the Board of Education for Asheboro City Schools for 10 years and on the board of the Asheboro Mental Health Center for eight years. She was preceded in death by her husband, Jim.

Christine Susanne Dale, MSN'01, of Fresno, Calif., and most recently Phoenix, Ariz., died Aug. 31, 2011. She was 38. As a family urgent care nurse practitioner, she managed and set up several rural clinics, sometimes driving many hours each day to see patients. She earned a bachelor's degree in physical anthropology at the University of California, Berkeley, and a bachelor of science in nursing degree at UNC-Chapel Hill. She was awarded a full merit scholarship to Duke University School of Nursing, where she earned a master's degree in nursing.

Scholarship Gets Student Out of the Kitchen

You could say Jason Bissey literally jumped from the frying pan into the fire when he traded his chef's hat for a chance at a fast-paced career as an emergency room nurse.

Bissey once ran the gourmet French kitchen at Durham's Rue Cler Restaurant. Now he's enrolled full-time in Duke's Accelerated Bachelor of Science in Nursing degree program. He's excited at the chance to help others in a more powerful way than just serving up delicious meals.

Bissey graduated in December. In February, he will start his dream job as a nurse in the fast-paced and demanding Duke University Hospital Emergency Department.

Bissey says he is grateful for the help he received from a scholarship and financial aid.

"I wouldn't have been able to make the switch to nursing without the scholarship. It's been a huge help, and I'm really thankful," says Bissey. "It's such a powerful way for nursing alumni to pass the torch."

Nursing Annual Fund gifts go directly to student scholarships. Please consider a gift today!



"It's such a powerful way for nursing alumni to pass the torch."

Jason Bissey, ABSN '12

Nursing Annual Fund

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nursealum.duke.edu.



INSIDE: Plans underway for major addition to nursing campus. (See article on page 5)

Just Say OUCH!

Nursing Students Fight Flu at Duke

Armed with syringes, Band-Aids, and cotton balls, 16 nursing students helped increase the vaccination rate among their Duke University classmates by 55 percent over rates in 2010. Dubbed the "Freshman Flu Fighters," the Accelerated Bachelor of Science in Nursing (ABSN) students gave 1,348 flu shots over a two-week period in September and October. Working out of East Campus residence halls and The Market Place dining hall, they vaccinated 823 freshmen through the project, the most freshmen ever vaccinated against flu at Duke. The project was part of their community health clinical requirement and done in conjunction with Duke Student Health and Residence Life and Housing Services.

"One of the greatest advantages to our intervention is that we were able to educate the Duke University population about influenza, as well as the vaccine to prevent it," says **Angela Sparrow, ABSN'12**. "And we were able to interact with and foster relationships with many members of the Duke community, including undergraduate and graduate students in addition to faculty and staff."

