



FALL 2007

DukeMed AlumniNews

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Consider the new IRA charitable rollover tax exemption

The Pension Protection Act of 2006 permits individuals age 70.5 and older to roll over up to \$100,000 from an individual retirement account (IRA) directly to a qualifying charity without recognizing the assets transferred to the qualifying charity as taxable income. For more information about this and other tax-wise gift plans, please contact Joseph W. Tynan, JD, Duke Medicine director of gift and endowment planning at 919-667-2506 (tel), 919-667-1002 (fax), or tynan002@mc.duke.edu (e-mail). To learn more about the Davison Club, visit <http://development.mc.duke.edu/fund.htm>

Francis Stanford Massie, T'57, MD'60, HS'60-'61, came from a small town in the mountains of North Carolina and when he arrived at Duke School of Medicine in the late 1950s, he says it was as exciting "as going to Oxford or Cambridge."

Four professors in particular took the former country kid under their respective wings and helped to mold him into a successful allergist. When reflecting on his 40 years in private practice, (he still is practicing in Richmond, Va.) Massie is quick to credit Duke professors Talmage L. Peele, MD; Jerome Harris, MD; Susan Dees, MD; and Rebecca Buckley, MD, for his success. "I learned from those professors a dedication to service and life-long learning," he says.

Massie spent two summers doing neurology and anatomy research with Peele who taught him the compassion required for caring

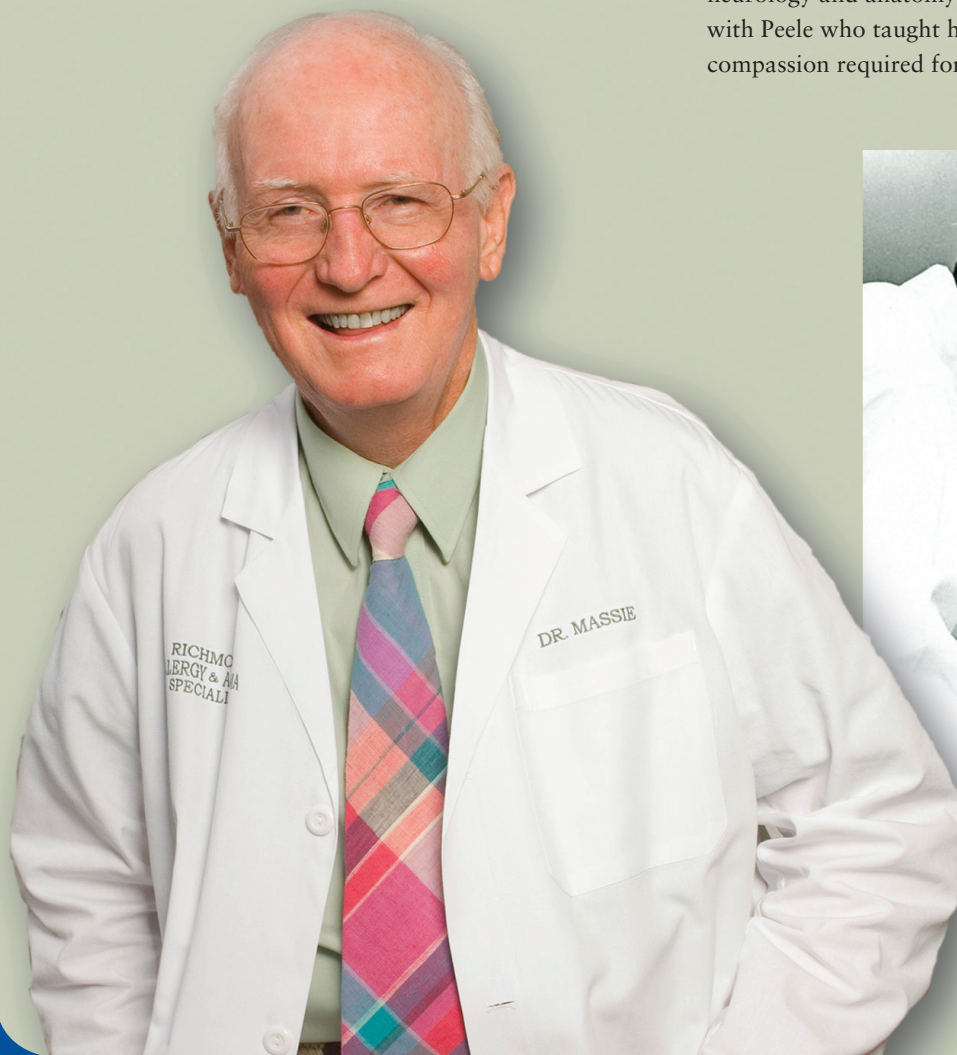
for patients with disabilities and handicaps. "He was a scientist and a gentleman and enjoyed the finer things in life and he also taught me a lot about music and food and travel," Massie says.

When Peele died in 1981 he left a bequest to Duke, and that moved Massie. Giving back to Duke was something he knew he would do when he was financially able.

"So when I found out about the law to make a contribution from an IRA and there were tax benefits, I decided to do it," he says.

Massie has made a significant contribution to the Davison Club through the Pension Protection Act of 2006, in which he rolled over funds from his IRA directly to Duke.

"Duke was a national leader back then and is a global leader now. I hope other people will be influenced to do the same thing," he says.



Talmage L. Peele

Francis Stanford Massie



From left, Jennifer Fraser, Sami Mardam-Bay, Richard Shin, and Weiye Tan.

Alumni Association Welcomes Class of 2011

First-year Duke medical students were treated to a barbecue dinner and a Durham Bulls baseball game on August 2 by the Duke Medical Alumni Association. More than 100 students and their guests enjoyed an evening on the covered party deck of the Durham Bulls Athletic Park in the American Tobacco Historic District. This year's entering class contains 51 men and 50 women with 29 percent under-represented minorities (African-Americans, Hispanic-Americans, and Native-Americans). Their mean age is 23.

Duke Ranks #7 on "America's Best Hospitals" Honor Roll

For the 18th year in a row, Duke University Hospital has been named as one of the top 10 U.S. hospitals in the annual *U.S. News & World Report* Honor Roll of "America's Best Hospitals."

Duke came in at seventh place, the same ranking it received in 2006. Duke Hospital ranked highly in 15 of the specialties measured, with top-10 rankings in 10 of them. Duke is the only hospital in North Carolina ranked in the top 10.

All of the 18 medical centers named as the best this year had to demonstrate a breadth of excellence by achieving a high ranking in no fewer than six of the 16 specialties, according to the magazine.

The top 10 hospitals in the rankings were, respectively: Johns Hopkins Hospital, the Mayo Clinic, UCLA Medical Center, Cleveland Clinic, Massachusetts General Hospital, NewYork-Presbyterian Hospital, Duke, UCSF, Barnes-Jewish Hospital, and Brigham and Women's Hospital.

For more information about the *U.S. News & World Report* rankings, visit www.usnews.com/besthospitals.

The *U.S. News & World Report* rankings for individual specialties follow:

Gynecology #4	Urology #9
Geriatrics #5	Respiratory Disease #10
Orthopedics #6	Psychiatry #13
Digestive Disorders #7	Rheumatology #13
Ophthalmology #7	Ear, Nose, Throat #20
Heart/Heart Surgery #8	Neurology and Neurosurgery #23
Cancer #9	Endocrinology #26
Kidney Disease #9	

DukeMed Alumni News

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Nancy Andrews, Harvard Physician-Scientist Named Dean of Duke University School of Medicine

Nancy C. Andrews, MD, PhD, an internationally renowned researcher and dean for basic sciences and graduate studies at Harvard Medical School, has been named dean of the Duke University School of Medicine. She begins her duties Oct. 1.

Andrews, 48, is the first woman to be appointed dean of Duke's School of Medicine and becomes the only woman to lead one of the nation's top 10 medical schools.

"I am deeply appreciative and humbled by the opportunity to lead one of the premier medical schools in the United States," Andrews said. "Duke is clearly an outstanding school. It is relatively young compared to the places I've been, and not bogged down by tradition." She praised Duke's "academic and intellectual agility" and its leadership in forging interdisciplinary approaches to science and medicine.

A pediatric hematologist/oncologist by training, Andrews has established herself as an accomplished leader and administrator. In her current role at Harvard, she oversees research in Harvard Medical School's pre-clinical sciences departments, as well as physician-scientist and graduate education.

She previously served as the director of the Harvard-MIT MD/PhD Program, where she led the development of the program's current curriculum. She is also an associate in medicine, Children's Hospital, and a distinguished physician in pediatric oncology at the Dana-Farber Cancer Institute.

Andrews is a member of the Institute of Medicine of the National Academy of Sciences and was elected to the American Academy of Arts and Sciences earlier this year. She was also a Howard Hughes Investigator from 1993 to 2006.

"My goal, and that of President [Richard] Brodhead, was to identify and recruit the best candidate in the country for this

position, and it was clear to us early on that Dr. Andrews was that person," said Victor J. Dzau, MD, chancellor for health affairs and president and CEO of the Duke University Health System. "I have known Nancy personally for several years and I am very pleased that she has accepted our offer. She is one of the most distinguished faculty leaders and physician-scientists at Harvard, and her recent service as dean of basic sciences and graduate studies has proven her to be an effective and decisive leader. I look forward to working with Dr. Andrews to further Duke's academic excellence and to advance my commitment to ongoing efforts to increase diversity within Duke Medicine leadership and faculty."

Andrews will succeed R. Sanders Williams, MD, who was recently promoted to the position of senior vice chancellor for academic affairs after serving as dean of the medical school since April 2001.

"Dr. Andrews is one of the nation's most accomplished physician-scientists, and she is very well prepared to take up the challenges and maximize the opportunities of the dean's role at Duke," Williams said. "She has grasped immediately how we expect to derive the greatest benefit from our new organizational structure. It's difficult to imagine a better addition to our senior management team. For me personally, the prospect of working closely with her in the years ahead is tremendously pleasing."

"I've been very impressed with everyone I've met so far," said Andrews. She said she looks forward to learning more about Duke Medicine from talking with faculty and staff in their places of work. But Andrews will also rely heavily on e-mail to communicate. In person or online, "I like to be very accessible," she said.

A native of Syracuse, N.Y., Andrews



received BS and MS degrees in molecular biophysics and biochemistry from Yale University. In 1985, she received a PhD in biology from the Massachusetts Institute of Technology, and two years later she received her MD from Harvard Medical School. She completed her residency at Children's Hospital, Boston, and a fellowship in pediatric hematology/oncology at Children's Hospital and the Dana-Farber Cancer Institute, Boston. Andrews joined the Harvard faculty in 1991 as an instructor in pediatrics and rose through the academic ranks, being named to an endowed chair as full professor in 2003.

"We are delighted to welcome Dr. Andrews to Duke," said Peter Lange, PhD, provost of Duke University. "She has excelled in everything she has done, with accomplishments ranging from research and teaching to administrative leadership of complex and often interdisciplinary programs. She brings to Duke a combination of experience, vision, and personal qualities that complements perfectly our strategic goals, priorities, and values."

Reaction to Andrews Appointment

"Nancy Andrews is one of the nation's leading physician-scientists. But her accomplishments go far beyond that. She has sparkled in every aspect of her career—as a physician, as a scientist, as an educator, and most recently as an administrator and dean of Harvard Medical School's basic science and graduate programs. She has emerged as a leader who is able to take programs, organizations, and people to new heights. People respect her because she's smart and decent and honest. Duke is a magnificent place, and it has made a magnificent choice in selecting Nancy Andrews as the next dean of the School of Medicine."

David G. Nathan, MD
President emeritus, Dana-Farber Cancer Institute

"Nancy was my graduate student at MIT, and she was a terrific student. She did a very imaginative job solving difficult problems. It was clear even in those days that she had the potential to do great things, and it's been no surprise to see her rise through the academic ranks at Harvard. Among Nancy's many wonderful qualities is her equanimity—she is highly regarded for her ability to work with others and find solutions for complex problems. Duke's medical school has a tradition of great leadership, and Nancy is a wonderful choice to carry on that tradition."

David Baltimore, PhD
Nobel Laureate
President emeritus, California Institute of Technology

"It has been my privilege to work closely with Nancy over the past 10 years in her various roles within the Harvard Medical School. Nancy is an extraordinarily capable person and has proven herself to be a wonderful researcher and a remarkable leader. I am very pleased that she has been extended this opportunity to serve as Dean at the Duke University School of Medicine."

Joseph B. Martin, MD, PhD
Former dean, Harvard Medical School

African Health Care Worker Shortage: Forum on Private Sector Responses



November 29 to December 1, 2007

Sub-Saharan Africa carries 24% of the world's disease burden but only 3% of its health workers. An estimated 2.4 million doctors, nurses, and midwives are needed.

This three day conference features private sector, NGO and government leaders from around the globe discussing innovative and effective responses to this issue, its impact on existing African health-oriented initiatives, the economics of private sector involvement, incentives for change, and future directions and priorities.

Information and registration: www.afhcconf.com



White Coat Ceremonies Durham and Singapore



First-year medical student Erin Partington gets a helping hand from Phil Goodman, MD, advisory dean, during the annual White Coat Ceremony on August 3 in the Searle Center. At far left is Robert Drucker, MD, the associate dean of medical education; and at far right is Caroline Haynes, MD, associate dean of medical education and director of student affairs.



The first class of 26 students at Duke-National University of Singapore Graduate Medical School Singapore donned their white coats at a ceremony on August 17.

DUHS-Durham Collaborate to Improve Mental Health Care

The Duke University Health System will donate \$1.5 million to Durham County and return the Oakleigh facility on the Durham Regional Hospital campus to the county for use as a mental health and substance abuse center.

In turn, the County has agreed to use the facility to house an expanded Durham Access Center. The move reduces space costs for the county and doubles the space of the current Durham Access Center.

“This move is representative of the spirit of the ongoing collaboration between Duke, Durham County Hospital Corporation, and Durham County at the Durham Regional Hospital campus to provide Durham residents with the best available health care services,” said Ellen Reckhow, chairman of the Durham County Board of Commissioners.

“We are always pleased to be part of any plan that results in improved access to health care services for people in Durham,” said Victor Dzau, MD, chancellor for health affairs and CEO of DUHS.



Noted Scientific Leaders to Speak at Medical Alumni Weekend

Nobel laureate Peter Agre, MD, and leading scientists from Duke's medical faculty will present on topics ranging from personalized medicine to emerging biological threats at the continuing medical education forum Friday, October 12, 4:00-5:30 p.m. during Medical Alumni Weekend.

Titled "Duke Medicine as a National Leader: Where Are Our Best Opportunities?" the program features the following speakers and topics:

- **Preparing Duke Medical Students for the Globalized, Personal Medicine of the Future, R. Sanders "Sandy" Williams, MD'74, HS'77-'80.** Williams is the senior vice chancellor for academic affairs and the Richard and Pat Johnson Distinguished University Professor of Cardiovascular Genomics.

- **Fingerprinting Lung Cancer to Improve Outcomes, a Genomic Strategy, Anil Potti, MD, HS'03-'06.** Potti and a team from Duke have developed a panel of genomic tests to perform molecular analysis of cancerous lung tumors and determine the best "personalized" chemotherapy approach.

- **The Life of a Physician Scientist, Peter Agre, MD.** Agre, formerly of Johns Hopkins University, shared the 2003 Nobel Prize in Chemistry for his laboratory's 1991 discovery of the long-sought "channels" that regulate and facilitate water molecule transport through cell membranes.

- **Duke Researchers Respond to Emerging Infections and Biological Threats, Richard Frothingham, MD'82, HS'90-'93.** Frothingham directs the Global Health Research Building, which opened in November 2006 as the nation's first NIH-funded regional biocontainment laboratory.

In addition to the forum, weekend events include Entrée, an event for young alumni on Thursday, the Medical Alumni Association Awards Luncheon and the Davison Club Celebration on Friday, and the Duke Traditions Alumni Panel Discussion, Homecoming Football, and class dinners on Saturday.

For more information and to register, please visit <http://medalum.duke.edu>, and click on Medical Alumni Weekend.



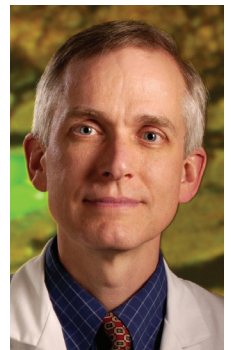
Williams



Potti



Agre



Frothingham

Duke Alum Nominated for U.S. Surgeon General Post

Duke alumnus **James W. Holsinger, Jr., MD'64, PhD'68**, has been nominated by President George W. Bush to be the next surgeon general. A Senate confirmation vote had not been taken by press time, but was expected by the end of September.

Holsinger, 68, is a cardiologist and currently professor of preventive medicine at the University of Kentucky. He has led Kentucky's health care system, taught at several medical schools, and served more than three decades in the U.S. Army Reserve, retiring in 1993 as a major general. Most of his career has been spent with the Veterans Health Administration, where he spent 26 years in various positions including serving as chief of staff or director of several VA medical centers. His career with the VA culminated in his appointment as chief medical director of the Veteran's Health Administration in Washington, D.C. in 1990 under President George H.W. Bush. He held that post until 1993 before moving into the



Kentucky health care system.

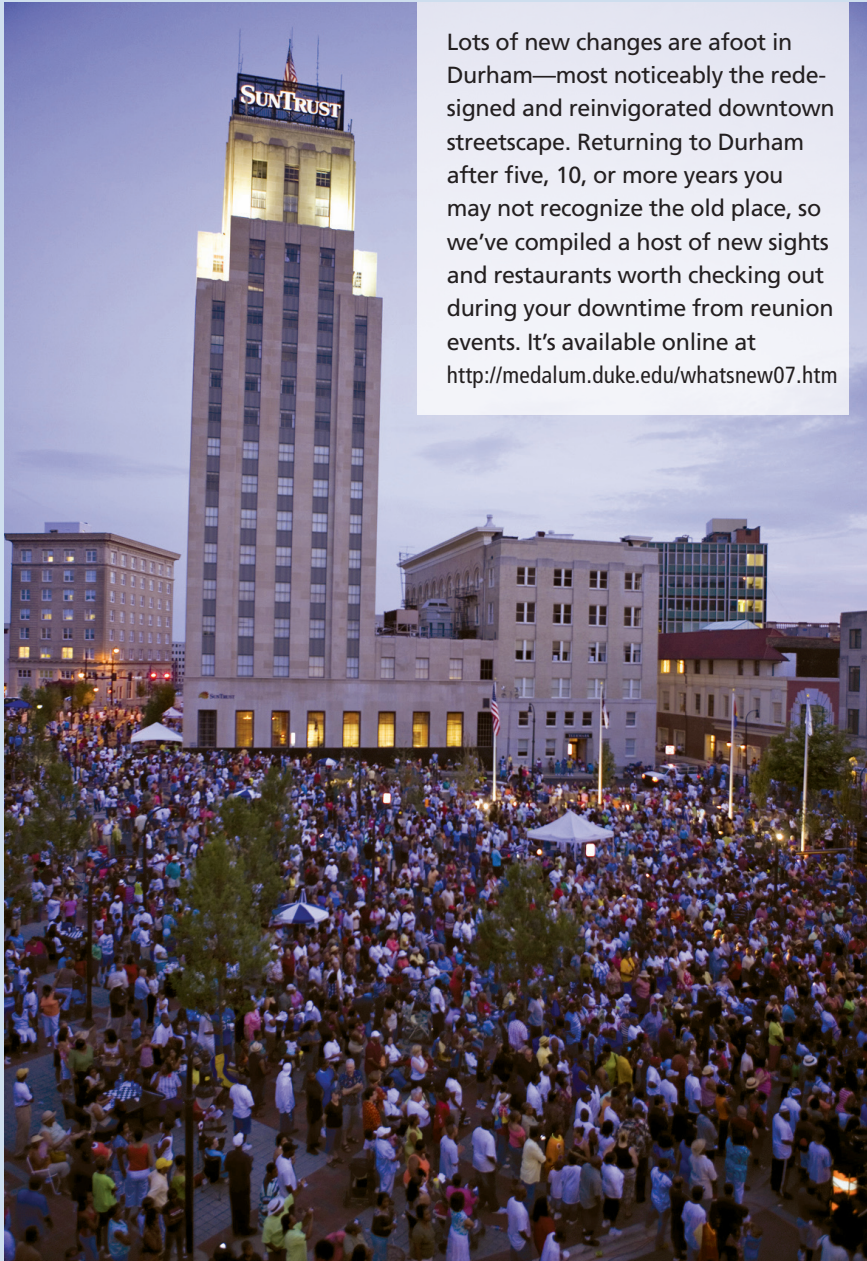
"It is a great honor to be nominated for the U.S. Surgeon General by President Bush," Holsinger said.

Holsinger has served as Kentucky's secretary for health and family services and as chancellor of the University of Kentucky Medical Center. The Kansas City, Kan., native earned his bachelor's degree from the University of Kentucky; master's degrees from the University of South Carolina and Asbury Theological Seminary; and his medical and doctorate degrees from Duke.

The previous surgeon general was Richard Carmona, whose term was allowed to expire in 2006. He is best known for his report condemning second-hand smoke, which inspired a number of state laws prohibiting smoking in public places.

Holsinger and his wife **Barbara, WC'64**, have four children—**Anna, E'87, PhD'91, Ruth, T'91, Sarah, and Rachel.**

Bullish on Durham



Lots of new changes are afoot in Durham—most noticeably the redesigned and reinvigorated downtown streetscape. Returning to Durham after five, 10, or more years you may not recognize the old place, so we've compiled a host of new sights and restaurants worth checking out during your downtime from reunion events. It's available online at <http://medalum.duke.edu/whatsnew07.htm>



Photos courtesy of the Durham Convention and Visitors Center



Williams Announces New Merit Scholarship Funding

In a bid to attract more of the country's top medical students to Duke, R. Sanders "Sandy" Williams, MD'74, HS'77-'80 recently announced a commitment of \$514,000 in institutional funds for merit scholarships. Students entering this fall will be the first to benefit from the new funds, and Williams plans to continue funding the initiative for at least another two years.

"The competition is fierce among our peer institutions for these top students who will be tomorrow's leaders and scholars in medicine," said Williams, who is also senior vice chancellor for academic affairs. "We want to make it easier for them to choose Duke."

Increasing funding for merit scholarships is a key element of Williams' 10-year strategic plan for the School of Medicine, announced in fall 2006. The plan, designed to move the School of Medicine from its long held position among the nation's top 10 to a new position among the top five, also includes substantial growth in faculty and facilities.

To read more about the strategic plan, please visit <http://medschool.duke.edu> and click on "Strategic Plan" in the left navigation bar.

Singapore Campus Receives \$5 Million Gift for Scholarships

The Shaw Foundation of Singapore has given \$5 million (Singapore dollars) in scholarship support to the Duke-National University of Singapore Graduate Medical School.

The gift will be matched by Singapore's Ministry of Education for a total of \$10 million. Valued at \$50,000, per year, the scholarships will be awarded to students based on merit, with consideration for those with demonstrated financial need. Up to four scholarships were designated for members of the inaugural class in fall 2007.

The Shaw Foundation was established in 1957 by the late Tan Sri Dr Runme Shaw and his brother, Sir Run Run Shaw. Since then it has distributed more than \$350 million in support of education, welfare, medicine, the arts, heritage, and environmental causes.

Williams Gift Boosts Financial Aid Initiative

A recent gift from Senior Vice Chancellor R. Sanders "Sandy" Williams, MD'74, HS'77-'80, and his wife, Jennifer, PA'74, will help move the Duke Medicine Financial Aid Initiative to within \$500,000 of its \$12 million goal.

In August, the couple gave \$100,000 to establish the R. Sanders "Sandy" Williams, MD and Jennifer Scheid Williams Scholarship Fund in the School of Medicine. The gift will be matched by the Duke University Financial Aid Initiative for a total of \$200,000.

The Williams gift brings the total raised to date to \$11.5 million. The three-year campaign, which will end December 31, 2008, is part of a \$300 million University-wide campaign for need-based scholarships, which includes \$245 million for undergraduate students and \$55 million for graduate and professional students.

Luken Promoted to New Role

Ellen Luken, who has led Medical Alumni Affairs since 1995, has been promoted to a new role, senior executive director of operations.

She will be responsible for improving the infrastructure supporting the entire Development and Alumni Affairs program, including finance, human resources, information technology, data management, development research, donor relations, special events, communications, and direct mail procurement. In addition, she will continue as president of the Ruth K. Broad Biomedical Research Foundation, Inc., a Duke University support corporation that funds biomedical research and training of neuroscientists.

The change, along with several others in Development and Alumni Affairs, headed by Vice President Michael Morsberger, is intended to better position the organization for a major new capital campaign. Alumni programs and alumni fund raising will be combined under a single director, a newly created position of executive director

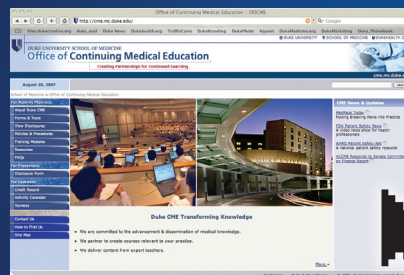
for School of Medicine Development and Alumni Affairs.

Luken has led a number of efforts to advance alumni engagement and visibility, including managing the Alumni Association's strategic planning effort, which established the current operating goals. New initiatives during her tenure include the creation of *Duke Med Alumni News*; Web sites for the Medical Alumni Association and Duke Medicine Development; DukeMed Messenger, an alumni electronic news bulletin; a minority outreach project; the planning, fund raising, and creation of the Medical Alumni Association Fitness Center for DUMC House Staff and Students; the Business of Medicine Program for House Staff; the Alumni Teachers, Alumni-Student Link, and HOST programs; the commission and dedication of a memorial honoring Duke's WWII 65th General Hospital, and expansion of Medical Alumni Weekend programming.

Luken will continue to manage Medical Alumni Affairs until the new position is filled.



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New Surplus Program

Changes Lives with Donated Equipment

Each year, millions of dollars worth of medical equipment and supplies at Duke University Health System hospitals must be set aside for a variety of legal, regulatory, or logistical reasons. A new program, administered by the Duke Global Health Institute and called Global Health PLUS, is making the surplus available to health care professionals around the world. (PLUS stands for Placement of Life-Changing Usable Surplus.)

One Duke physician who has recently capitalized on the new opportunity is associate professor of neurosurgery Michael Haglund, MD, PhD. Last January, Haglund traveled to Kampala, Uganda and says he was astounded to see doctors “performing brain surgery with equipment that looked like what was used at Duke in the 30s and 40s.

“When they anesthetize patients, they have to hand bag—have people squeezing a bag of oxygen to help a person breathe,” says Haglund. “They don’t have plates to hold skull flaps in place, so people who have had brain surgery often have grotesque swelling of their heads...In the orthopedic operating room, they still use ether...by mid-afternoon...doctors and nurses are beginning to faint from the fumes.”

Haglund returned to Duke and completed the application process with GH PLUS. In August he and a Duke neurosurgical oper-

ating room team returned to Kampala with more than \$1 million worth of equipment and donations—including 14 ventilators, eight anesthesia monitors, two operating microscopes, seven complete anesthesia monitors, 1,000 plating systems for bone flaps, 10 oxygen saturation monitors, seven automatic blood pressure monitors, and 31 transport heart monitors.

“I often was not aware of what was being replaced in the OR,” says Haglund. “Through GH PLUS I found out about defibrillators coming from Durham Regional Hospital, critical care monitors from Duke Raleigh Hospital, and more.”

During their trip, Haglund and team helped set up a modern operating room and performed dozens of brain and spinal cord surgeries. Haglund also obtained educational grants from Synthes Spine and the Integra Foundation to pay for a Ugandan clinical engineer to receive eight weeks of training in surgical equipment maintenance in Ghana, the closest place where such training is offered. With the new equipment, Ugandan neurosurgeons will now be able to participate in a new training program through the Foundation for International Education in Neurosurgery. Haglund will serve as co-director of the Ugandan training program.

It is not often you get the opportunity to change how an entire

From the Duke Medicine in Uganda Blog



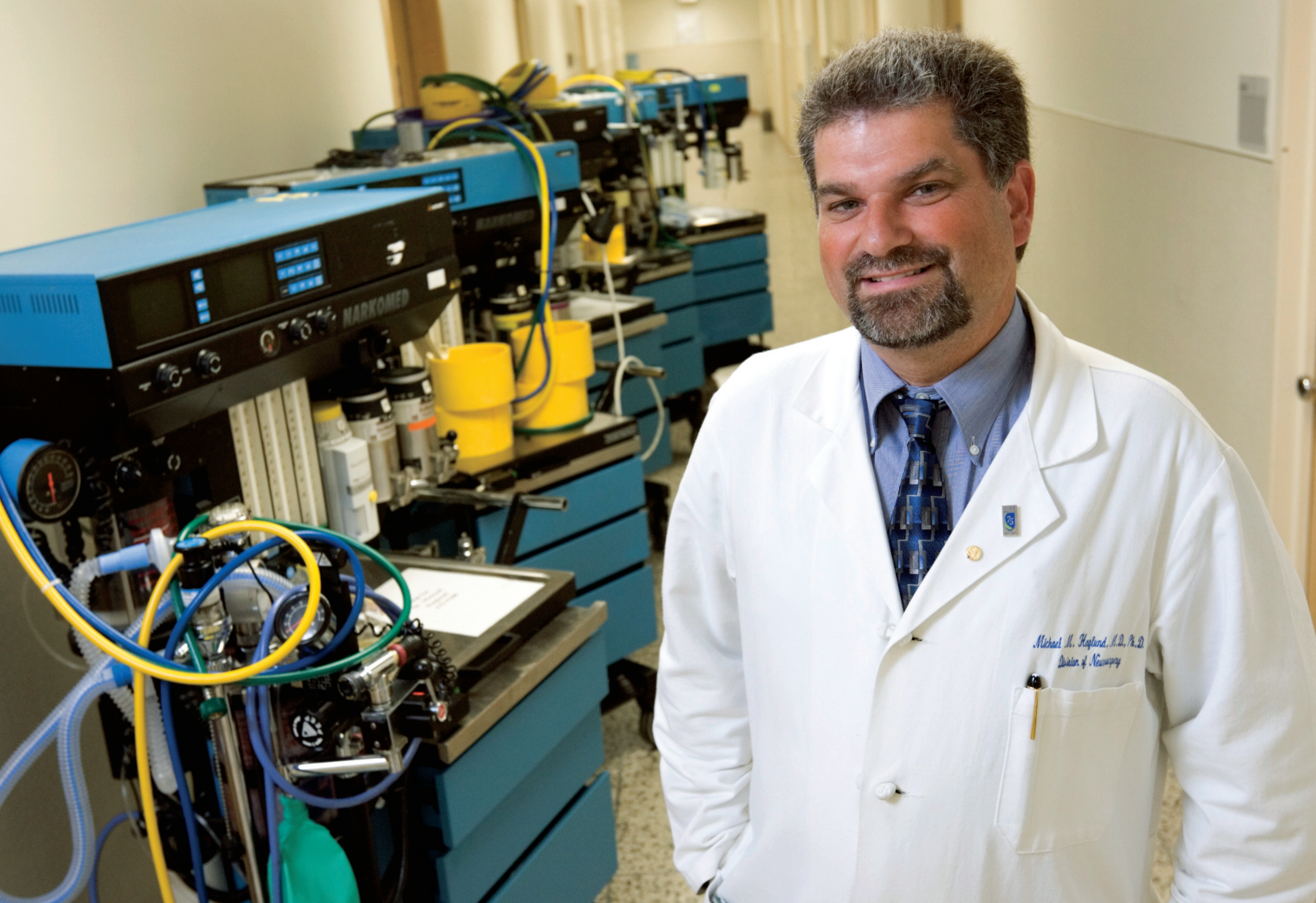
Posted by Michelle Gailiun
Duke Medicine in Uganda
12:56 pm, Tuesday, August 14

“Simon Kyansi, 27, wasn’t saying much this morning, but if he were feeling better, I bet he’d be saying “thanks.” Simon came in with a deeply fractured skull—the result of an accident on one of the thousands of motorcycles on the streets here. He was leaking spinal fluid from his nose, so our docs went to work and quickly repaired the damaged bone and stopped the leak. The equipment you see at his bedside came

from Duke, and he wouldn’t have had access to it had we not come.

“Interestingly, he also has a lumbar (lower spine) drain in place. Nurse Jen Bland says it’s an extremely difficult procedure to manage, and one where a single misstep can be lethal. The technology was brand new to the ICU nurses here, so much of Monday was spent training the staff on how to handle it.”

More postings and pictures at www.dukeinuganda.blogspot.com



country practices medicine,” says Haglund. “With the gift of this material and training, we can and will change how neurosurgery is practiced in East Africa.”

According to Duke Global Health Institute director Michael Merson, MD, GH PLUS fulfills a key part of the institute’s mission.

“We want not only patients in our local community to receive the best care, but also those living in underserved areas throughout the world,” says Merson. “GH PLUS gives us the opportunity to do this while at the same time expanding Duke’s growing international presence.”

Duke faculty, staff, students, or Duke-affiliated physicians in the community can apply for equipment, supplies, and support for projects to improve health in developing countries.

GH PLUS is one part of the larger Duke SurPLUS Program, which since 1997 has operated as a retail store. The retail store was closed at the end of June, and the surplus program has been redesigned to coordinate the donation of furniture, computers, and other property to charities and nonprofit organizations and medical equipment to global health projects through GH PLUS. (Used medical equipment and supplies cannot be used in the local community due to government safety regulations.)

For more information about GH PLUS, visit <http://globalhealth.duke.edu>. For more information about the Duke Surplus Program, visit www.procurement.duke.edu. ▀

“With the gift of this material and training, we can and will change how neurosurgery is practiced in East Africa.”





Duke-Singapore Graduate Medical School Opens

By Jim Rogalski

The inaugural class of 26 medical students at the Duke-National University of Singapore Graduate Medical School Singapore began classes August 1, launching an ambitious education and research partnership that is unique for U.S. medical schools.

"The faculty and students engaged in this project are true pioneers," said Robert Kamei, MD, vice dean of education at the new school at the opening ceremony, which was videocast to cheering medical students and faculty in Durham." The faculty have been working hard to put together an innovative program that takes the absolute best of the Duke curriculum. The students have entered this new school with great faith in our faculty to deliver this new curriculum as well as faith in the development of medical research in Singapore, which will make it one of the top biomedical science hubs in the world."

The students and their parents were officially welcomed by Duke and Duke-NUS GMS officials and introduced to key faculty and the school's

governing board members. The day's events culminated with a dinner.

In establishing Duke-NUS GMS, Duke becomes one of the first medical schools to offer a U.S. medical degree on foreign soil. The school is unique to the Southeast Asia region as well because it requires medical students to already have a post-secondary degree, unlike the norm there where students head to medical training straight out of high school. It seeks university graduates and masters and PhD degree holders to enter training to become physician-scientists. Scholarships for MD students and a stipend for MD/PhD students are available from the school. Graduates of Duke-NUS GMS will receive a joint degree from Duke University and the National University of Singapore.

"I think this will be a leading medical school and research center in Asia," says **Ranga Krishnan, HS'81-'84, MB, CHB**, the executive vice dean of Duke-NUS GMS and chairman of the Department of Psychiatry at Duke, who has moved to Singapore.

In addition to Duke faculty already relocated



Ranga Krishnan, executive vice dean, speaks during the White Coat Ceremony on August 17.



Duke medical students address the Duke-NUS GMS entering class with strategies for success in Duke medical school. Speaking is Drew Munroe, former Davison Council president.



The Duke-NUS GMS inaugural class at the White Coat Ceremony. In the front row are Tony Chew, chairman, Duke-NUS GMS Governing Board; Dr. Vivian Balakrishnan, guest of honor; and Robert Kamei, vice dean of education.



Rena Dharmawan of Indonesia, Pamela E-Gopal of Singapore, and Low Ying Hui of Singapore are members of the first class.



to Singapore, other Duke representatives at the opening event included Duke University trustee Charles Smith and his wife Barbara; Huntington Willard, PhD, director of the Duke Institute for Genome Sciences and Policy; **Jean G. Spaulding, MD'72, HS'73-'77**, associate professor of child and adolescent psychiatry; and Duke School of Medicine Senior Vice Chancellor **R. Sanders "Sandy" Williams, MD'74, HS'77-'80**, the founding dean of Duke-NUS GMS.

The first class being taken by the 26 inaugural students is the Foundations Course, which gives them skills in teamwork and leadership.

The Duke-NUS GMS curriculum is based on Duke's medical school model, which allows tremendous flexibility for individual research during the third year. Duke's commitment to research is a major reason the Singapore government sought out Duke for a partnership, which was formalized after years of dialogue between the two entities.

Durham-based Duke students and faculty will have the opportunity to ferry between the two countries for research and education. Two Duke medical students will be spending their third year this fall in Singapore, and third-year Duke-NUS GMS students will have the opportunity to spend their third year in Durham.

Faculty partnerships between the two schools continue to be established. Duke psychiatrist Richard Keefe, PhD, for example, has collaborated with the Institute of Mental Health in Singapore. That facility has 2,000 beds and a large population of patients with schizophrenia. Krishnan says this was an ideal fit for expanding existing programs at Duke "to work with an outstanding group of individuals in

Duke's commitment to research is a major reason the Singapore government sought out Duke for a partnership...

Singapore to initiate studies that are likely to be of major impact."

Michael Chee, MBBS, a Duke-NUS GMS professor of cognitive neuroscience, has established a program in Singapore similar to Duke's Brain Imaging and Analysis Center (BIAC) and is collaborating with Duke's Allen Song, PhD, a professor in the Department of Biomedical Engineering at BIAC.

BIAC brings together scientists from Duke and the University of North Carolina at Chapel Hill to find solutions to fundamental research questions about the human brain around two key themes. The first is to improve research techniques in neuroimaging and the understanding of brain hemodynamics. The second is to investigate the functional properties of the human brain by incorporating state-of-the-art research techniques into studies of cognitive processing. BIAC researchers study the organization of the visual cortex, the cortical control of attention and brain circuits involved with learning and memory, among many other research topics. Chee and Song's work focuses on imaging methodology developments and their application in aging, sleep deprivation, and the attention process.

"Mike travels back to Duke at least once a year for a few weeks," Song says, "and I intend to spend some time (in Singapore) in the summer along with other imaging faculty members such as Scott Huettel,

Marty Woldorff, and Roberto Cabeza."

Singapore is investing \$3 billion over the next five years on its ambitious Biomedical Sciences Initiative. It has offered incentives to attract companies and world-class scientists and is funding research institutes devoted to genomics, bioinformatics, bioengineering, nanotechnology, molecular and cell biology, and cancer therapies.

Part of this push is the establishment of the Duke-NUS GMS, which Duke officials have said gives Duke a major footing in Southeast Asia to pursue its goal of addressing global health issues.

In addition to Krishnan, key players in the Duke-NUS GMS include:

- Duke School of Medicine Senior Vice Chancellor **R. Sanders "Sandy" Williams, MD'74, HS'77-'80**, acting dean of Duke-NUS GMS until a new dean is named at the completion of the 2007-08 academic year. The new dean, as well the new dean of the Duke School of Medicine will report directly to Williams.


- Patrick J. Casey, PhD, professor of pharmacology and cancer biology at Duke, is the senior vice dean in Singapore and relocated there in August 2005 to get the Duke-Singapore initiative started. He was the senior officer-in-residence at Duke-NUS GMS until this July, when Krishnan arrived as executive vice dean. As senior vice dean Casey's responsibilities include developing the signature research programs, which include five areas: cancer and stem cell biology; neurobehavioral disorders; cardiovascular and metabolic disorders; emerging infectious diseases; and health services research. Fifteen faculty have been recruited to these programs, with one-third coming from Duke, one-third from Singapore,

The skyline of Singapore



and one-third from international locations. Casey anticipates recruiting another 35 or so as the new facility (scheduled for completion in early 2009) will have research space for 50 investigators, in addition to housing administration and education. "In addition," Casey says, "I have my own research program that focuses on preclinical development of a novel class of anti-cancer agents we discovered at Duke a few years ago."

- David Virshup, MD, an internationally recognized cancer researcher, is the director of the Cancer and Stem Cell Biology Program at Duke-NUS GMS and will benefit from close interactions with Duke's nationally recognized Comprehensive Cancer Center. He is formerly the Willard Snow Hansen Presidential Professor of Cancer Research at the Huntsman Cancer Institute at the University of Utah. "Singapore is an exciting place to do science," Virshup says. "Their tremendous investment in the biomedical research base over the past decade has attracted world-class researchers in many disciplines. A key mission of Duke-NUS GMS is to help move this research into the clinic in collaboration with gifted basic scientists, expert clinicians, and the private sector, while training the next generation of physician-scientists."

- Doyle G. Graham, MD'66, PhD'71, a former professor of pathology and dean of medical education at Duke, former chair of the Pathology Department at Vanderbilt University, and former chair of the toxicology study section of the National Institutes of Health, is a visiting professor and director for the Body and Disease first-year course that will be taught over 20 weeks. 

Minister Dr. Vivian Balakrishnan addresses a rapt audience of stakeholders—medical alumni, senior hospital administrators, and doctors as well as families and friends of the first class.



Duke-NUS GMS students and Duke guests enter the classroom on opening day to the sounds of cheers from students on Duke's Durham campus who attended the opening via video conference.



Tony Chew and Ranga Krishnan visit with Dr. Chee Phui Hung, the elder statesman of Singapore's medical alumni, age 85.





Duke Students travel to Singapore for GMS Opening

By Bernadette Gillis



Eleanor Vega, Beau Munoz, and Charles Withers

About the First Class

Number of students: 26

Countries represented: Singapore, Indonesia, the United States, Hong Kong, Malaysia, The Philippines, India

Universities attended:

Singapore: National University of

Singapore, Nanyang Technological

University Australia: Central Queensland

University, University of Sydney

United Kingdom: Imperial College of

Science, Technology, and Medicine,

University of Oxford

United States: Pomona College, Brown

University, Cornell University, Emory

University, Utah State University, University

of California at Berkeley, University of

Michigan

Seeing the red tiled roofs atop the buildings of the Duke-NUS Graduate Medical School Singapore was a surreal moment for Los Angeles native **Beau Munoz, MSII**.

“That first day I realized I was at Duke but at the same time I was on the other side of the globe,” says Munoz.

He was one of six Duke medical student ambassadors invited to travel to Singapore in August for the opening of Duke-NUS GMS.

He was joined by **Taylor Herbert**, a fourth-year student in the Medical Scientist Training Program (MSTP); **Drew Munro, MSIV**; **Crystal Reynolds, MSIV**; **Eleanor Vega, MSIII**; and **Charles Withers, MSIV**—all Duke Medicine student leaders.

Flight delays kept the group from attending the Aug. 1 opening ceremonies, but they had plenty of opportunities to interact with Duke-NUS GMS students during their four-day stay.

During a panel discussion they fielded questions from students. Just like any first-year students on opening day, they were a little nervous but eager to get started, says Withers.

“They had questions like what were the most challenging aspects of medical school and in what ways we felt we have been changed,” he says.

The 26 Duke-NUS GMS students come from seven countries. Eighteen are from Singapore, and the rest are from Indonesia, the U.S., Hong Kong, Malaysia, The Philippines, and India.

Next year’s entering class will have 50 students. Applicants must have an excellent

academic record and be able to demonstrate clear evidence of leadership, scholarship, creativity, and a strong inclination towards research.

One of the current American students, Dixon Grant, who graduated magna cum laude from Utah State University, says one of the things that attracted him to Duke-NUS GMS was the opportunity to be a part of an international class. “I’m excited to be a part of something new,” he adds. “I like the idea of being a pioneer.”

A student from Indonesia, Astrid Melani Suantio, decided to become a doctor following her experience as a public health practitioner in Aceh following the Tsunami.

“There is a gap between the medicine, research, and public health fields...” she says. “As a future doctor with both a research and public health background, I aspire to merge and utilize all three fields in tackling health issues not only on a patient level, but also on a policy level.”

Some of the Duke-NUS GMS students have advanced degrees while others have had years of experience working in research, a fact that Munoz says impressed him early on after meeting the students. “I was surprised by the level of education that the students had. Not many people here (in the U.S.) usually enter medical school with PhDs or master’s degrees,” he says.

A student named Kwok Sze Nga, who spent four years working in pediatric oncology research before enrolling says “wanting to be a doctor (for me) is like others wanting to be priests or teachers or social workers. Being a clinician scientist is where my interest, aptitude, and passion combine with the

desire to make a difference in others' lives."

Duke-NUS GMS is unique in the Asia-Pacific region, where students normally begin their medical training right out of high school and focus heavily on clinical training. The curriculum is based on Duke's research-oriented curriculum, geared to training physician-scientists. It takes Duke's innovation a step further with an emphasis on team learning. The Duke students got a taste of that when they joined an intense two-day workshop on team dynamics led by Duke Corporate Education.

The Duke-NUS GMS students were divided into small groups that they will continue to work in for their entire four years of medical school. The workshop offered information on personality types and discussions on conflict resolution, brainstorming, and networking.

The Duke medical students also had the chance to meet Duke-NUS GMS administrators and Singapore officials, including Tony Chew, chairman of the Duke-NUS GMS governing board; Professor Tan Ser Kiat, group CEO of SingHealth and CEO of Singapore General Hospital; and Karen Koh, deputy CEO of SingHealth.

The two groups of students also enjoyed some downtime together, when they learned about each other's cultures and talked about their school and volunteer activities as well as personal issues such as maintaining relationships while in school and relieving stress.

"We formed remarkable fast friendships," says Withers.

Reynolds adds: "I was most amazed at how much (the Duke-NUS GMS students) taught me. I was able to return to the U.S. with not only a renewed sense of purpose but also with a new commitment to being the best human I can be."

The cross-continental connection between Duke and Duke-NUS GMS students will continue with videoconferences scheduled during the school year.

Each Duke-NUS GMS student has been assigned a peer mentor or "big sib" from Duke. "One thing about going to medical

school here (at Duke) is that there are older students to help the younger ones," says Herbert, who will be a big sib to one of the Duke-NUS GMS students. "We want to give their medical school class a sense of history, and as they build their own traditions, they'll need us less and less."

Duke students will have opportunities to travel to Singapore for their second-year clerkship rotations or third-year of research. Munoz says he hopes to go back to complete his surgical rotation in April.

Allison Betof, a second-year MSTP student, already spent five weeks this summer doing an orthopedic surgery rotation at the National University Hospital (NUH). While there she says she was exposed to surgical procedures she probably would have never had a chance to learn about at home.

"We did several cartilage stem cell transplants for osteoarthritis of the knee, which aren't being done here at Duke or other U.S. centers due to limitations on stem cell research," she says.

Because Duke-NUS GMS was not officially open when she was there, Betof's rotation was not directly affiliated with the school. Yet she still was able to meet Robert K. Kamei, MD, vice dean for education, and tour the facility.

Misha Mutizwa, T'05, MSIII, is one of two Duke students who will complete their third year of research at Duke-NUS GMS. Working under the direction of David Virshup, MD, director of the Cancer and Stem Cell Biology Program, Mutizwa will spend the year doing basic science research in oncology.

Mutizwa says he had originally planned to pursue a master's in public health during his third year but decided going to Singapore was a once-in-a-lifetime opportunity he couldn't afford to miss.

"The main reason I chose Duke for medical school was because of its unique third-year program," he says, "so I figured that I might as well make the most of my third year and do something I wouldn't have the chance to do at any other medical school." ▀



From left, Duke medical students Charles Withers, Crystal Reynolds, Eleanor Vega, Beau Munoz, Drew Munro, and Taylor Herbert.



From left, Duke-NUS GMS students Vincent Tay, Daniel Yong, and Ong Li Ming, pose with Duke students Crystal Reynolds and Charles Withers.



Duke and Duke-NUS GMS students participate in a workshop on team dynamics.

Medical
Alumni
Association

Honors Eight

The following
2007 awardees
will be honored at a luncheon
on *Friday, October 12,*
during Medical Alumni
Weekend.

DISTINGUISHED FACULTY

Leonard R. Prosnitz, MD, FACR

The contributions of Prosnitz to the field of radiation oncology and to Duke itself are far reaching and transformative. He was a pioneer in demonstrating the effectiveness of lumpectomy and radiation rather than mastectomy in early stage breast cancer treatment, a process now considered standard and offered to more than 100,000 women each year in the U.S. He also pioneered combination therapies of radiation and chemotherapy for malignant lymphomas and other cancers. Prosnitz says modestly that his contributions "have been facilitated by Duke, where we work with our colleagues in other disciplines for the benefit of patients. I give a lot of credit to the early great leaders at Duke like David C. Sabiston, (former chair of the Department of Surgery,) for promoting the culture of collaboration." Prosnitz arrived at Duke in 1983 from Yale, and by the time he stepped down as chair in 1996 had transformed a fledgling Division of Radiation Oncology into its own department that would earn honors as one of the best in the nation. "Institutions are all about the quality of the faculty," he says of the building of the department. "We had good people working with a clear sense of purpose and with a supportive administration." On the humanitarian front, Prosnitz helped to develop a modern cancer center and radiation therapy facility in Taiwan and was a leader in the creation of Caring House in Durham—a home that provides adult cancer patients and accompanying caregivers with a comfortable, supportive, and affordable place to stay during outpatient treatment at the Duke Comprehensive Cancer Center.



Education: Amherst College, State University of New York Downstate Medical Center

Training: Dartmouth, Yale

Current Title: Chairman and Professor Emeritus, Duke Department of Radiation Oncology

Personal: He and his wife Beatrice have three children, Susan, L'89, Robert, MD'96, and Eric

DISTINGUISHED FACULTY

William E. Yarger, MD

With 36 years of service to Duke when he retired in July, Yarger is one of the longest-tenured professors and administrators ever in the Department of Medicine. He was chief of the Medical Service at the Durham VA Medical Center for 26 years and established himself as a bedrock for the Duke Medical House Staff Training Program, personally screening thousands of applications each year for about 50 House Staff openings. He is credited with helping to develop the

program into one of the top residency programs in the country. "The great strength in the Department of Medicine has always been the quality of its staff," he says. "It is a breeding ground for the future of medicine and I always looked for people who loved medicine like we did and didn't mind working hard to achieve their goals." The special relationships he formed with his chief residents are especially meaningful to him. "Being

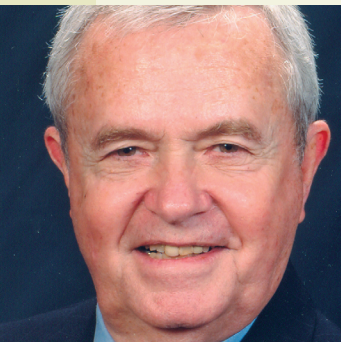
involved in the lives of new trainees and interacting with such a wonderful group of people has been the hallmark of my career, so this award is very meaningful to me," he says. Many of his trainees have gone on to important leadership roles at Duke and around the country. Yarger was an early advocate of the computerized patient record system and was instrumental in seeing it deployed throughout the Veteran's Integrated Service Network which is comprised of VA medical centers in North Carolina, Virginia, and West Virginia. He was chief of the Division of Nephrology from 1991-96, and says he was unable to be lured away from Duke because "there is just no other place that has both the combination of work ethic and good interpersonal relationships. I've been at a number of other medical schools and none of them come close."

Education: Texas Christian University, Baylor College of Medicine

Training: St. Luke's Hospital Center in New York City, Baylor Medical College, New York University

Current Title: Retired Professor and Vice Chairman of Medicine for VA Programs and Assistant Professor of Physiology at Duke University.

Personal: He and his wife Kaye live in Durham. They have three grown children—Kimberly, Michael, and **Kara, B'99**.



DISTINGUISHED ALUMNUS

Michael A. Brownlee, MD'74

Considered one of the most significant diabetes researchers in the world today, **Michael A. Brownlee, MD'74**, has created a new model for understanding diabetic complications at the molecular and cellular levels. One of only three diabetes researchers in the world ever to win the highest awards given by both the European Association for the Study of Diabetes and the American Diabetes Association, Brownlee is quick to credit his Duke education for his success. "It was a transformative experience for me," he says. "Duke taught me how to analyze, think critically, find information, and be committed to life-long learning." The flexibility of the Duke curriculum, he says, allowed him to spend rotations in ophthalmology and cardiology, both of which are impacted by diabetes.

Himself a sufferer of childhood diabetes, Brownlee praises Duke for taking a chance on him at a time when "the text books said a person with childhood diabetes would likely live without serious medical problems only into their 30s. Some medical schools questioned if it was appropriate to even take me." Brownlee has been in his current position since 1988.

In 2000 he published a landmark study suggesting that the four major mechanisms implicated in the pathogenesis of diabetic complications were working in parallel and reflected a single hyperglycemia-induced process. This study set the course for diabetes complications research that followed. As a fellow at Harvard Medical School Brownlee invented a simple high-output method for measuring glycohemoglobin that became the standard method used in hospital laboratories for the next 15 years. As for controlling his own diabetes, Brownlee says, "I have worked at it very hard and also have been very lucky. I have no complications after 50 years."



Education: Swarthmore College, Duke University

Training: Stanford University, Harvard Medical School

Current Title: Anita and Jack Saltz Professor of Diabetes Research, Director of the Juvenile Diabetes Research Foundation's International Center for Diabetic Complications Research, Professor of Medicine and Associate Director for Biomedical Sciences of the Diabetes Research Center at Albert Einstein College of Medicine, New York City.

Personal: He and his wife Karen live in Manhattan.

DISTINGUISHED ALUMNUS

William G. Kaelin, Jr., T'79, MD'82

William G. Kaelin, Jr., T'79, MD'82, has spent the majority of his career inside the lab because he believes his research on cancer genetics can make a significant difference outside the lab. His earliest experience in the lab was as an undergraduate chemistry major at Duke. Later in medical school, he became intrigued with tumor angiogenesis while working in the lab of Randy L. Jirtle, PhD, professor of radiation oncology. Kaelin made his first major discovery in tumor suppressor gene research as a postdoctoral fellow at Harvard Medical School. He isolated the first protein in the E2F family, E2F1, a protein that promotes cell proliferation. Kaelin's most notable accomplishment—explaining the genetic basis for von Hippel-Lindau (VHL) disease—came about after he set up his own lab at Harvard in the early 1990s. VHL disease is a rare hereditary cancer syndrome that causes individuals to develop blood vessel tumors in the brain and eye. "Clinically, it's a very interesting syndrome," he says. Kaelin and the 14 postdoctoral fellows who work with him are currently studying the

VHL tumor suppressor protein (pVHL), which they hope holds the key to new treatment strategies for VHL. Among Kaelin's many honors are the Paul Marks Prize for Cancer Research from Memorial Sloan-Kettering Cancer Center and the Richard and Hinda Rosenthal Foundation Award from the American Association for Cancer Research.

Current title: Professor of Medicine, Harvard Medical School; Investigator, Howard Hughes Medical Institute

Education: Duke University

Training: Johns Hopkins Hospital, Dana-Farber Cancer Institute, Harvard Medical School, Brigham and Women's Hospital

Personal: His wife Carolyn Kaelin, MD, PhD, a breast cancer surgeon, has written extensively on breast cancer survivorship issues. They live in Boston with their two children—Kathryn Grace, 15, and Trip, 12.



DISTINGUISHED ALUMNUS

Douglas P. Zipes MD, HS'64-'68

Translational research may be one of the latest buzzwords in academic medicine, but it's something Douglas P. Zipes, MD, HS'64-'68, has been doing since day one of his 40-year career. "It just came naturally to me," he explains. "It was extremely gratifying to have one foot in the experimental lab and another at the bedside."

Although the field of electrophysiology was fairly new at the time, Zipes became fascinated with the physiology of cardiac arrhythmias during his cardiology fellowship at Duke. "Even back then you could understand mechanisms of a patient's arrhythmia, which could then be applied to the care of the patient." After joining the faculty at Indiana University in 1970, he went on to establish Indiana's first invasive clinical electrophysiology laboratory. He stepped down as chief of cardiology in 2004, and to celebrate his tenure the university endowed the Medtronic Zipes Chair in Cardiology and the Joan and Douglas Zipes Visiting Professorship. The American College of Cardiology honored his commitment to education by creating the distinguished young scientist award in his name. Zipes was the founding editor of the *Journal of Cardiovascular Electrophysiology* and is now the founding editor of *Heart Rhythm*, the journal of the Heart Rhythm Society, which has endowed an annual lecture in his name. He is co-editor of two text books—*Cardiac Electrophysiology: From Cell to Bedside* and *Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine*—and is currently working on a third. His interests outside of medicine include fiction writing, and he hopes to have a novel published soon.



Current title: Distinguished Professor, Professor Emeritus of Medicine, Pharmacology and Toxicology, Emeritus Director of the Division of Cardiology and Krannert Institute of Cardiology, Indiana University School of Medicine

Education: Dartmouth College, Harvard Medical School

Training: Duke

Personal: He and his wife Joan have three children—Debra, Jeffrey, and David—and live in Carmel, Ind.

Honors Eight

DISTINGUISHED SERVICE

Milton and Roslyn S. Lachman, WC'49

When Milton and Roslyn S. Lachman, WC'49, walked into Duke University Hospital as patient and visitor more than 30 years ago, they had no idea that a few days later they would walk out as ambassadors for Duke Medicine. During Milton's stay for hand surgery, he and Roz became fast friends with then-Chancellor for Health Affairs William Anlyan, MD. Out of that friendship—and their positive experience with Milton's medical care—grew a longstanding loyalty to Duke Medicine. "Duke has done so much for us and our family, we really believe in giving back," says Roz. For the past 14 years they have sponsored the annual Duke Palm Beach Forum, which brings Duke physician-scientists to Florida to share the latest advances in medicine. The Lachmans have been close friends with Herman and Ruth Albert since 1957, when Milton built their first home. They introduced the Alberts to the excellent medical care at Duke and some of the outstanding physi-

cians, including Anlyan, Chancellor for Health Affairs emeritus Ralph Snyderman, MD, and David Epstein, MD, director of the Duke Eye Center. Both the Alberts turned to Duke when they needed medical care, and they eventually became very generous benefactors, endowing the Albert Eye Research Institute and cancer research. The Lachmans have been active on numerous university and medical center boards. They currently are members of the Eye Center Board, and Roz is a former chair. They have been active on the Heart Center Board for many years. They also served on the Department of Urology's

CURED Board (Council for Urologic Research, Education, and Development), and they each served on the Duke Medicine Board of Visitors. The Lachmans' generosity to Duke has been recognized with membership in several groups, including the Davison Century Club, Founder's Society, Beacon Club, Cornerstone Society, Heritage Society, and Pinnacle Society.

Current title: Principals of the Lachman Group, a real estate, investment, and development company

Education: Duke University (Roz Lachman), New York University (Milton Lachman)

Personal: The Lachmans have two children—Gary, T'74, and William, both attorneys at law working in the real estate field internationally—and four grandchildren.



WILLIAM G. ANLYAN, MD, LIFETIME ACHIEVEMENT

R. Rodney Howell MD'57, HS'57-'60

R. Rodney Howell, MD'57, HS'57-'60, has spent the last 50 years making significant contributions to pediatric genetics. Currently he oversees the National Institutes of Health's efforts to develop new genetic tests for newborns. Right now nearly all babies born in the United States are tested for 30 treatable genetic conditions, and Howell hopes his work at the NIH will lead to even more genetic tests and treatments. In addition to his current work with the NIH, he led several important decision-making committees for the agency. In 1997 he chaired a consensus development conference that led to the first large carrier-screening program in the country to identify individuals at risk of having children with cystic fibrosis. Howell was recently elected chair of the Muscular Dystrophy Association (MDA) Board of Directors. He served as chairman of the Scientific Advisory Committee for the MDA, and in that role he directed the committee's activities to advance basic neuromuscular research. Such research supported by the MDA served as the basis for a recent major milestone—the Food and Drug Administration's approval of Myozyme®, the first effective treatment for Pompe disease. Howell has extensive expertise in Pompe disease, a rare genetic muscular disorder. His interest in genetics first came about while working as a research fellow at Duke under the direction of James B. Wyngaarden, MD. Though Wyngaarden's research focused primarily on metabolism in arthritis, Howell quickly learned that metabolism and genetics were closely connected. He says it has been most gratifying to witness the incredible advances made in metabolism and genetics over the years. "Conditions that were untreatable when I was a resident are now treatable," he says. "I'd like to think I contributed in a little way to this."

Current title: Professor and Chairman Emeritus of Pediatrics, Leonard M. Miller School of Medicine, University of Miami; On Assignment as Special Assistant to the Director, National Institute of Child Health and Human Development, Bethesda, Md.

Education: Davidson College, Duke University

Training: Duke University

Personal: His wife Sarah Esselstyn Howell, MD, HS'60, died in 1993. He has three children—Grace, Betsy, and John—and lives in Coconut Grove, Fla.



Curriculum

Q&A

with Edward G. Buckley

E'72, MD'77, HS'77-'81

Professor, Department of Ophthalmology
Chair, Medical Curriculum Committee

1 How do adults learn differently as opposed to younger people, and how does this knowledge shape the design of Duke's MD curriculum?

In order for adults to really learn they have to perceive that the material is in context with what they think they need at the moment. And they need to use it relatively shortly after they've learned it.

Not every adult learns the same way, so we offer a variety of modalities for getting the material—by sitting in the lecture and asking questions, getting the class notes, and reviewing streaming lectures at home on the computer.

Certain kinds of material lend themselves to the lecture hall setting, and others don't—we all know there are some folks here at Duke who are just very entertaining. For learners to miss out on that experience would be sad.

2 What are the new technologies and simulation equipment you want to bring into the M.D. curriculum?

Right now simulation is pretty expensive. It's labor intensive, and we don't have as much of it in the curriculum as we would like. The good news is it's getting cheaper, and the technology is better—what used to cost \$40-\$50,000 is now much, much cheaper. With patient simulators and surgical simulators, instead of doing the operation the first time on the patient you may do it the first time on the virtual patient. And for all intents and purposes it looks, feels, and smells like the real thing. We're not there yet but we're getting there.

One area that is exciting and we're kind of pioneering is using gaming theory as an educational modality. A whole generation of students now entering the system have grown up playing video games, and they've learned a new whole skill set. Faculty member Jeff Taekman, an anesthesiologist who also is assistant dean for educational technology, is currently working on some gaming modules in the area of patient safety. For example, certain concepts are presented in a gaming environment and you come in, have some knowledge of what is going on and start practicing your skills, and you don't get to Level 2 until you've mastered Level 1.

3 What is the most important aspect of a Duke medical education that will not change?

What's unique about Duke is that we've devoted a quarter of our curriculum—a full year—to give the student the opportunity to explore health care and medicine. Whether it's doing basic science research at the bench side or getting a dual degree—a PhD or masters in public health—or whether it's getting involved in a global health initiative or taking advantage of the opportunities with the Singapore initiative. The fact that the school embraces this will stay.

4 Why is it important for Duke to offer new degree programs in Global Health, Computational Medicine, and Molecular Medicine?

It's no longer adequate to set your horizon at your country's borders. With global health, the impact of what we do in the lab here at Duke University is going to have a reach much further than you might imagine. With the web and communications it's very easy for stuff that's done today to be in India tomorrow and Japan on Friday. The problems that we face here aren't necessarily unique to us, and solutions that we develop here are going to be solutions that can be applied to other situations as well. We've learned with SARS and HIV that what happens in the rest of the world is going to have an impact on us. We have to develop a group of physicians who are aware that they have to think globally.

The future of medicine is changing, the future of how we'll learn and deal with problems is changing, so computational medicine—the whole concept of looking at medicine from a mathematical standpoint, from a system standpoint—is really kind of exciting. We need to be at the front. We've got leaders in computational medicine here, and we need to keep those kinds of activities in our educational programs.



The future of medicine is changing, the future of how we'll learn and deal with problems is changing...

5 How do you plan to strengthen the current MD/PhD Program?

The MD/PhD Program is in transition right now. We were one of the first in the country to develop an MD/PhD Program and it has been very successful under the excellent leadership of Sal Pizzo, who is now the chair of pathology. We are transitioning to new leadership. Our administration is very committed to making the MD/PhD program one of the best in the country, and some increased funding has been directed to it. At the end of the day, we want Duke to have one of the top MD/PhD programs in the world.

6 What role, if any, do you see alumni playing in a Duke medical education?

Our alumni are a very distinguished group of individuals, so there are lots of different ways they can contribute. They can serve as ambassadors. They can get involved in the admissions process, which means folks who are interested in coming to Duke can ask them what was it like, how did you benefit from it, etc. Also, they are a resource about what we might want to do differently here at Duke from an educational standpoint.

A lot of alumni have volunteered some of their expertise to actually come back and teach the physical exam skills course. That has been great. These men and women have been out there working for years, and you can see the excitement they have to connect with eager young folks who are just beginning to learn the skills that they have mastered so well.

7 What else do you think is important to note about the future of the Duke medical curriculum?

The basic message is that that Duke Medical School and the medical curriculum is a living, breathing, entity, and it's constantly undergoing change. The faculty here are really committed to turning out a world-class product, and they work very hard at it. You can see it in the quality of the material that is presented and the energy with which it is delivered, and the enthusiasm they have when they interact with our students.

The other thing has to do with Singapore. We're looking at the Singapore initiative to serve a couple of goals. One is it allows students and faculty to have access to another health care system and another educational enterprise. The Singapore curriculum mimics the curriculum here at Duke to a certain extent, but they are integrating some educational modalities which we haven't tried yet. So at some level this is going to be a very symbiotic relationship—if these new approaches prove successful I fully see some of them being incorporated here.

One example is that the primary didactic material will be delivered as streaming web videos of our lectures. The students in Singapore will be given a module of lectures and told to go view them along with some reading lists and other material. The time spent in lecture hall environments will be Team-Based Learning. Students will come in prepared to discuss and use the material they've already reviewed. So rather than spending an hour lecturing to them, we spend an hour taking that material and saying, here are a series of problems we want you to address so let's talk about how you would do that given what you know. We actually break up the lecture hall into a series of groups and each group tackles the problem and comes up with a solution. And then we talk about why you picked solution A or solution B. It changes the dynamic from passive information receiving to active interaction. ■

Alumni Respond to e-Survey

Thank you to the more than 900 DukeMed Alumni who completed our online survey in March. Your responses will help the Medical Alumni Association provide better services to our approximately 12,500 members.

WHAT WE LEARNED

You like Duke Medicine.

More than 91 percent of responders view Duke Medicine favorably or extremely favorably, mainly due to the perceived value of and respect for the Duke medical degree or training. Accomplishments of faculty, alumni, and students, as well as Duke medical history and tradition, also ranked high.



Both personal and professional ties are important.

School of Medicine graduates are most likely to interact with Duke Medicine by attending Medical Alumni Weekend or by referring patients to Duke specialists. House staff alumni—those who completed internships, residencies, or fellowships here—were most likely to interact by referring patients and networking with faculty. A significant percentage of responders also serve as volunteers.

Responses to the open-ended question “In what other ways would you like to interact?” included these themes: more information on alumni in my area; better networking directory, more CME options, alumni programs for former house staff or specialty-specific reunions, a forum to submit or discuss puzzling medical cases, and serving as mentors or hosts for Duke

medical students or residents. Top barriers to participation were geographical distance and work and family commitments.

You read print and electronic communications.



DukeMed Magazine was the most widely read publication from Duke, followed closely by *DukeMed Alumni News*. While many responders indicated they were not familiar with our e-communication,

DukeMed Messenger, it was the way they received the survey.

You're not using the Medical Alumni Association Web site.

Only a small percentage of responders has ever visited medalum.duke.edu, the Medical Alumni Association Web site. Most responders didn't recognize the distinction between the password-protected alumni directory (for updating your personal and business contact information and searching for classmates) and Find a Duke Trained Doctor, the online directory potential patients and students can use to locate DukeMed alumni by specialty and geographic region. Only modest interest was expressed for on-line discussions, with the most interest in discussing unique or complicated medical cases.



You give.

Sixty-seven percent of responders have given to Duke Medicine in the last five years. Most of those who hadn't said they felt other non-profit organizations were a higher priority. By far, gratitude for an excellent medical education or training was the primary motivator for giving back. Most responders prefer to donate by mail, followed by on-line giving. Many responders indicated they would give if asked by a specific specialty program, and not surprisingly, telephone calls are the least popular form of gift solicitation.

You have mixed feelings about "Mother Duke."

We received a wide-ranging variety of open-ended comments, including concerns about competition for patients, Duke being “big business,” an atmosphere of competition among clinical faculty, and concerns surrounding the lacrosse case. Many also commented on Duke as an extended family with a special spirit of camaraderie and expressed appreciation for being included and updated.

Your connection to faculty mentors runs deep.

Nearly everyone who responded to the survey took time to share some thoughts and memories about their favorite faculty mentors. Your responses were so compelling, we've posted many of them online. To read them, visit medalum.duke.edu and click on “Alumni Survey.”

The DukeMed Alumni survey was sent to 5,638 alumni—all those for whom we had a current e-mail address. Everyone who responded was given the opportunity to request a Duke Medicine Alumni license plate frame. If you requested one but have not received it, please call Kevin Hirano at 919-667-2518 or e-mail dukemed@duke.edu.

What do you remember about the day you received your acceptance letter to Duke Medicine? What was your immediate reaction?

On the Spot

with the Class of 2011



I screamed then explained to the petrified victim in the office with me why I was screaming. Slightly disoriented, I ran out and back into the office and then got on my knees and just thanked the Lord.

- Omanma Adighibe

I was truly speechless. Attending Duke Med has been a life-long goal of mine, and from a young age I dreamed of studying at Duke.



One of the greatest moments of my life occurred when I was awarded a scholarship to Duke, significantly alleviating the financial pressures.

- Dan Bland

Duke was my top choice because a lot of the intangibles, such as being close to my family and friends. With all that Duke had to offer there was no way I could go anywhere else.



- Cedric Hunter

When I saw "(the future) Dr. Victoria Kim," I remember saying, "Thank you, thank you, thank you" as I walked out of the post office. I sat under the shade of a nearby tree and allowed myself to laugh out loud as I opened the much desired envelope.

- Victoria Mi Kim

My mom called to tell me that "Dear (future) Doctor Kozitza" was printed clearly on the front of the envelope. Then it hit me: Not only am I going to be a doctor, I'm

going to train at one of the best medical schools in the country! It was one of the happiest days of my life.

- Rebecca Kozitza



The man on the other side of the phone said, "Bobbak, this is Richard Wallace from Duke. This is the call that you've been waiting for." After that was pretty much a blur. I was at my apartment alone, and all I really remember is running around wanting to scream and yelling into the phone, "Oh my God! Oh my God! You're joking... you're joking... OH MY GOD!!!"

I went into my dad's office with the biggest smile on my face and said, "I got into DUKE!" We then called my mom on his speakerphone and told her the good news. The rest of the day consisted of me calling every friend who knew I was waiting to get into Duke and doing everything in my power to try to get in.

- Bobbak Mansouri

Unfortunately for Gemma Lewis, my Duke Med ambassador, I let out a very loud, very incoherent sound (a shriek? a whoop? I don't even think I could re-produce it if I tried). I was excited, elated, and shocked - but I eventually came to my senses and apologized for permanently damaging Gemma's inner ear. She laughed and said she had the same reaction when she found out she got into Duke. I look forward to being on the receiving end of the "Duke Med Admissions Discovery Scream" soon.

- Emily Maxson

I jumped up and down feverishly and awoke several unfortunate sleepers who were bunked nearby. My hypothetical existence at Duke was consummated. I smiled the rest of the day.

- Laura Musselwhite



1940s

Herman F. Froeb, MD'47, has been retired from private practice since 2002 and has since been a guest lecturer on celebrity cruise ships. In 1980 he and a colleague published in the *New England Journal of Medicine* a paper on the effects of second-hand smoke on non-smokers in the workplace. It became the basis for the banning of smoking in restaurants and other public spaces in most states. He and his wife Helen have five grown children: **Charles, T'89**, Luke, Herman, Gordon, and Lorraine. They live in La Jolla, Calif.

Robert C. Welsh, MD'47, has invented a self test for glaucoma and plans to administer the test with the help of pastors at 13,000 African American churches across the country. He says millions of elderly blacks around the world needlessly suffer incurable blindness because they lack the opportunity to get tested for glaucoma early. Through this partnership he hopes to help prevent thousands of cases of glaucoma blindness each year. Welsh says his test is 95 percent accurate. He lives in Coral Gables, Fla.



▲ **William P. Wilson, T'43, MD'47, HS'49-'54**, has closed his psychiatry office and is semi-retired after 62 years in medicine. He still is teaching

at the Carolina Evangelical Divinity School in High Point, N.C., where he is a distinguished professor of counseling. He and Elizabeth—his wife of 57 years—have five children: **Robert, Tammy, T'80**; **Karen; Benjamin, E'76**; and **William Jr.**, as well as 16 grandchildren. The couple lives in Durham.

Warren J. Collins, MD'48, DC, is still active in medicine, working part time as an OB-GYN at a family planning clinic for the Cleveland County Health Department in Shelby, N.C. He and his wife Lillian live in Shelby.

Louis G. Harris, MD'48, twice retired—first in 1985 and then again in 1996—spends his time taking courses at Yavapai College. A long-distance runner, he also competes in many road races, including six marathons. He says he finishes in the top three of his age group about 90 percent of the time. He and his wife Edith live in Prescott, Ariz. His grandson, an honor student, is a junior at the University of California, Riverside.

Aldrich H. Northup, MD'49, lost his wife of 56 years, Marie Theresa Caron Northup, to lung cancer last year. He lives in Pensacola, Fla., and has four children and four grandchildren.

Harold Warren Schnaper, MD'49, has moved into an apartment in a retirement community in Birmingham,

Ala. Though semi-retired, he still supervises a general practice clinic twice a week. Otherwise, he stays busy by keeping up with his 10 grandchildren and one great-granddaughter. He also enjoys reading medical journals.

1950s

Edward Lee Hamilton, MD'50, is a semi-retired cruise ship doctor. In his free time he has become a sports car rally master and also enjoys improving his golf game. He and his wife Roberta celebrated 10 years of marriage in June. They live in Sarasota, Fla.



▲ **Dean McCandless, MD'50, DC**, has been retired since 1989 as a family physician and chief of the Department of General/Family Practice with Southern California Permanente Medical Group. In February he and his wife Thelma celebrated their 65th wedding anniversary. He said she has since declined in health and he is her primary caregiver. They live in La Quinta, Calif.



▲ **Beverly N. Jackson, WC'47, MD'51, HS'51-'52**, is

retired and lists her current job title as "bridge player." She says she's in good health and currently taking care of her "hips, eyes, and joints." She lives in Sylva, N.C.

Joe Jackson Bethany, Jr., MD'52, DC, is now living in a retirement community in Tuscaloosa, Ala., with his wife **Nell, BSN'50**. They have three daughters, who are all nurses.

Noble J. David, T'48, MD'52, HS'52-'59, DC, had his article, "Pituitary Apoplexy Goes to the Bar," published in the *Journal of Neuro-Ophthalmology* in 2006. He lives in Coral Gables, Fla., and has four children. Esther is a singer and actress in New York; Emily is a teacher; **Jonny, T'87**, is a lawyer; and Paul is an IRS agent.

Ruth Kimmelstiel Freinkel, MD'52, a retired professor of dermatology at Northwestern Medical School, has moved to Eugene, Ore. to be closer to her daughter, Lisa, who is a professor of comparative literature at Oregon University. Her two other children—Susan, a journalist and author, and Andrew, a neuropsychiatrist, live in San Francisco. Freinkel's husband passed away in 1989.

Ben Pushmataha McCarley, MD'52, has been retired since 2005 after 49 years in pediatrics. He and Alice—his wife of 53 years—have four children, including Elizabeth "Betsy" **McCarley Billys, MD'82, HS'82-'85, '87-'88**. They also

have 10 grandchildren and live in Edmond, Okla.



▲ **Donald E. Warren, MD'52, DC**, and his wife Betty (Bebe) Welch Warren, recently were honored in a ceremony of the dedication of the Warren Library at Palm Beach Atlantic University (PBA) in Palm Beach, Fla. Donald, a retired cardiologist, is the founding chairman of the board of trustees and helped to establish Palm Beach Atlantic College in 1968. He is a life trustee of the university and PBA's primary fundraiser. He has given more than 1,100 personal tours of the campus and is the founding president of the Community Foundation for Palm Beach and Martin Counties, and has served on several other volunteer committees. In 1999 he was named one of The Palm Beach Post's "100 People Who Changed the Way We Live." Bebe is the namesake of PBA's Bebe Warren Scholarship Fund, established in 1999. The Warrens have three grown daughters and eight grandchildren and live in Palm Beach.

Henry Livingston Wright, Jr., MD'52, retired since 1999, writes a column called "Curbstone Consultation" for the Coral weekly newspaper. He lives in Boca Grande, Fla.,

Christakos Chronicles the Highs and Lows of Family Caregiving

One afternoon about six years ago Arthur C. Christakos, T'51, MD, says he became worried when his wife, Kally, WC'51, didn't show up for her job as a volunteer cashier at the Nearly New Shoppe, a thrift store operated by the Medical Faculty Wives.

Kally had been diagnosed with vascular dementia several years before, and Christakos feared the worst. He soon received a call from Kally—she was fine but had been in an accident and her car was totaled.

"We never renewed her license after that," says Christakos.

This is just one of many harsh realities Christakos has had to face while caring for his wife over the years. He chronicled his experiences in a personal journal, part of which is included in his new book, *The Longest Adolescence*.

While writing the book—a process that took nearly 14 years—Christakos says he realized that some of his wife's behaviors were similar to those of an adolescent and thought his journal writings would be a good fit for the book.

Published last year by PublishAmerica, *The Longest Adolescence* focuses mostly on Christakos' general observations about emotional maturity, but it's the chapter on his wife's gradual descent into vascular dementia that he hopes will register most with readers.

"When I decided to put my journal in there, I hoped it would show others who are

also caring for a loved one (with dementia) that it's not impossible to cope."

In July Christakos discussed his book and his role as a caregiver before a crowd of about 50 people at a book signing at the Woodland Terrace Senior Living Community in Cary, N.C. He and Kally have lived at the retirement community for the past two years. He says he chose Woodland Terrace because of its Alzheimer's unit.

"We're getting closer to moving in," he says, "but I can't quite bring myself to make that decision."

Aside from the journal entries, Christakos' book also includes vignettes describing immature behavior he has observed in some adults, both in his personal and professional life. Retired since 1992, he says he discovered during his years as an OB-GYN and dean of undergraduate medical education at Duke that even doctors sometimes score low on what he describes as a "maturity scale."

He recalls working with a student who later entered a residency program that seemed to take pride in the high divorce rate of its residents. He says by the time this particular student finished the program, he, along with many of his fellow residents, had gotten a divorce.

He says it is unfortunate that many doctors aren't as devoted to their personal lives as they are to their professional lives. "These are dedicated professional people, but some-



Arthur C. Christakos, T'51, MD

times once they start having problems (in their marriages), they don't want to admit it," he says.

Besides writing Christakos spends much of his time caring for Kally. She doesn't recognize him on most days but he still cherishes their time together. He says he often jokes with her about how he proposed once a year for eight years before she finally agreed to marry him.

They celebrated their 51st wedding anniversary in August and have four children and four grandchildren.

—Bernadette Gillis



Anesthesiology Summit of Friendship

They may all have founded anesthesia departments at separate universities, had storied medical and research careers, and have endowed professorships named in their honor, but it is their gut-level fondness for each other that keeps these three retired anesthesiologists so close after nearly 60 years of friendship. Former Duke faculty members Merel Harmel, MD, right, and Kenneth Sugioka, MD, left, make a point to get together with their friend Joseph Artusio Jr., MD, center, at least twice a year. In July they met for lunch at the University Club while Artusio was in town visiting his daughter. Harmel, 90, founded the Department of Anesthesiology at Duke, as well as at SUNY Downstate, and the University of Chicago (now Pritzker University); Sugioka, 87, founded the anesthesiology department at UNC before coming to Duke; and Artusio, 89, founded the department at Cornell. They met in the late 40s while attending national meetings around the country. A friendship worth preserving blossomed. Today they don't talk much about anesthesiology, they said, but like to chat about food, wine, and family.

and has three daughters who all live in Tampa.

Stuart O. Bondurant, MD'53, HS'53-'56, DC, retired in March as interim executive vice president and executive dean of Georgetown University Medical Center and distinguished professor of medicine there. Georgetown awarded him an honorary medical degree. He addressed the spring faculty convocation and used two anecdotes related to Duke—one concerning Eugene Stead and one about John Hickam. Bondurant is a former dean of the UNC School of Medicine and a building there was named in his honor last year. He and his wife Susan Ehringhaus live in Chapel Hill.

J. Raymond Chittum, MD'53, says he and his wife Colleen are enjoying retirement. They both have learned to play the recorder and now play with two consort groups in northern Ohio. They also play the harp, and two days a month they play their mountain dulcimers with two other groups. Their other interests include painting with oils, watercolors, and acrylics. One of their children just graduated from Boston Law School at age 50. Ray and Colleen live in Rittman, Ohio.

Ross L. Fogleman, Jr., T'49, MD'53, DC, retired last October as a physician with Kinston Clinic South in Kinston, N.C. His wife died in 2003. He says he's playing a lot of golf "and chasing a feisty widow

ex-patient whose second son I delivered." He has four children and seven grandchildren, and lives in Kinston.

James F. Glenn, MD'53, HS'56-'59, a professor of surgery emeritus at the University of Kentucky Medical Center, recently received the Lifetime Achievement Award from the Societe' Internationale d'Urologie, the world's only international professional organization serving the global community of urologists. He also recently was awarded honorary doctor of science degrees from both the University of Kentucky and Transylvania University. He has four children, **Sara, T'75; N. Carrick, T'78; James, T'82;** and Cambridge. He and his wife Gay live in Versailles, Ky.

Hugh Munroe McArn, Jr., MD'53, of Laurinburg, N.C., is restoring a local cemetery where many people of Scottish descent (including some McArns) are buried. He also does volunteer work for the Laurinburg Presbyterian Church. A Rotarian member, he received the Paul Harris Fellow Award in 2006. He and his wife Susan are planning to build a house on a new home site. They have four children and six grandchildren.

Rudy K. Meiselman, MD'53, DC, retired since 1986, is a member of the endowment committee of the board of directors for the United Way of Sarasota, Fla. He and his wife Hope have three adult children and live in Narragansett, R.I.

John C. Ayers, Jr., T'50, MD'54, HS'54-'55, says he enjoyed being a part of the group of Duke School of Medicine alumni who returned to campus in February to help teach physical exam skills to first-year medical students. He and his wife Lynesa live in New Bern, N.C.

James F. Elliott, Sr., MD'54, DC, says his wife Ida has ovarian cancer but is getting along well under the care of **Laura J. Havrilesky, MD'95, HS'95-'99**, at Duke. He and Ida have five children and seven grandchildren. They live in Creedmoor, N.C.

Col. William B. Jones, MD'54, a retired private practice physician and orthopedic surgeon since 1999, was named in May 2006 as medical director of CWI Insurance Company and recently was appointed surgeon general of the South Carolina State Guard. In June he was in Norway, 600 miles from the North Pole at the edge of the Arctic ice shelf doing research on global warming. He and his wife Ann have four grandchildren and live in Greenville, S.C.

Allen Nathaniel Jelks, Sr., MD'55, DC, and his wife Mary recently celebrated their 50th wedding anniversary in Apalachicola, Fla., with their four children and spouses and their three grandchildren. Allen and Mary live in Sarasota, Fla.

Charles R. Merwarth, MD'55, HS'58-'61, has been retired since 1990. In 2005 he

and his wife **Patricia, N'52**, recently moved to Galloway Ridge, a continuing care retirement community in Fearrington Village, south of Chapel Hill. He said they are active in community affairs and functions.

Bruce Newell, T'49, MD'56, and his wife **Marilyn, WC'49**, recently moved into a handicapped-accessible home in Lake Wales, Fla. Marilyn reports that Bruce received his fifth pacemaker in March, can walk with a walker, and gets out locally in his wheelchair.

George W. Paulson, MD'56, HS'57-'59, DC, professor emeritus of Ohio State University College of Medicine, is the science and medicine editor for the Encyclopedia of the Midwest. He recently received an award for neurology accomplishments from the University of Toledo. He and his wife Ruth have five children including **John T'79**, and **Erik, MD'85, HS'85-'86**, a professor of radiology at Duke. Other children are Annie, Chris, and Henry. The Paulsons live in Columbus, Ohio.

Billy F. Andrews, MD'57, DC, presented "A Tie that Did Bind: Wilder G. Penfield, Wilburt C. Davison, and Sir William Osler and Lady Grace Osler" at the annual meeting of the American Osler Society in Montreal, Canada, in May. He will be presenting at the 25th International Congress of Pediatrics in Athens, Greece, and is working on two books, *The Story of "The Children's Bill*

of Rights" and Memories, Moments, and Meditations of a Medical Student, which includes his papers that had been previously published by Dean Davison and poems about the Duke faculty. He and wife **Faye, WC'60**, live in Floyds Knobs, Ind. Their daughter Ann is a photo journalist. Billy, Jr., works in sales and management. Their son David is a lawyer and musician and is a regional vice president for commercial titles and escrow.

George Edgar Bacon, MD'57, HS'57-'58, DC, a pediatric endocrinologist, says he plans to retire in November. In 2002 he was named Pediatrician of the Year by the Michigan chapter of the American Academy of Pediatrics. He and wife Grace have been married for 51 years. They live in Ann Arbor, Mich., and have three children and two grandchildren.

L. Thompson Bowles, T'53, MD'57, DC, a retired thoracic and cardiovascular surgeon, is keeping his hand in medicine by conducting interviews for George Washington University Medical School Admissions and serving on two university committees. He also is a hospice volunteer and plays golf and tennis regularly. His wife **Judy, WC'55**, is an avid gardener. They have three grown children, Julia, Amy, and Lauren, and four grandchildren, and live in Chevy Chase, Md.

James Burns Creighton, Jr., MD'57, HS'57-'61, DC, of

Lithia, Fla., was elected to the Hillsborough High School Hall of Fame. He and his wife Cathy gave a gift to the University of South Florida Botanical Gardens to create the J. Burns and Cathy Creighton Pavilion. They both are members of many plant societies, including the Palm Society, the American Bamboo Society, and the Bromeliad Society. Creighton works half time at the Tampa Eye Clinic and spends the rest of his time working at their farm, Creighton's Villa Vividarium in Lithia.

Thomas L. Dulin, MD'57, DC, says he is enjoying a very active retirement—helping care for his grandchildren who live nearby, traveling, golfing, and doing volunteer work. He and his wife **Jo Claire, WC'54, DC,** celebrated their 54th wedding anniversary in August. They live in Charlotte, N.C.

Robert N. Ellington, MD'57, HS'58-'63, DC, retired in 2003 after 27 years of OB-GYN practice and 15 years serving as medical director at Elon University. In 2001 a facility, the R.N. Ellington Health and Counseling Center, was named in his honor to recognize his service and contributions to the university. While at Elon he was well known for establishing a model health

center for students. His wife **Helen, WC'59, DC,** served as a special events coordinator in the president's office at Elon from 1988 to 2007. They live in Burlington, N.C., and have two children. Their son **Kenneth, MD, HS'90-'95,** is on staff at Durham Regional Hospital. Daughter Anne Ellington Powell is married to **James B. Powell, MD'64, DC-Century.**

Lucy Rawlings Freedy, MD'57, DC, retired from Ohio State University Medical Center in 2005 but still practices radiology 15 to 20 weeks a year through Locum Tenens. In March of this year she had an aortic valve replacement. She and her husband **Robert, T'53, DC,** live in Columbus, Ohio. Their sons Marvin and John are doctors as is their son-in-law Doug. Their daughter Barbara is an attorney.

Eugene L. Harley, MD'57, has been retired since 2000 but spends a day or two a week monitoring cardiac rehab patients in Marietta, Ga. He enjoys biking on the Silver Comet Trail in Northwest Georgia. He and his wife **Constance, WC'49, G'54,** enjoy taking elder hostel trips and live in Atlanta.

Thomas H. Harrison, MD'57, DC, continues

to practice consultative neurology on a part-time basis. He and wife June live in Clearwater, Fla. Their granddaughter, Sarah Steele, is a sophomore at Duke and plans to become a physician.

Ralph M. Howse, T'52, MD'57, a retired urologist, has suffered from two strokes and now lives in a nursing home in Georgia. His wife Marge reports, "He is so bright and remembers everything and everyone. His patients come to see him all the time, and he remembers each one in detail."

W. Scott James, Jr., T'53, MD'57, HS'57-'58, DC, and his wife **Tina White James, WC'53,** celebrated their 54th wedding anniversary in June in Budapest, Hungary, while on a trip down the Danube River with friends. He is a member of the Fulton County Medical Reserve Corps, a group of volunteers who help during natural or man-made disasters. They cared for patients who came to Atlanta from Louisiana after Hurricane Katrina. He is also a member of a local men's garden club and plays trumpet in a 35-piece local concert band. He and Tina live in Atlanta and have three children. Son **W. Scott James III, T'80, MD'84,** is an orthopedic surgeon in Rock Hill, S.C., and is married with three college-aged children. Daughter Chrissie and her husband live in Atlanta. Daughter Elizabeth lives in Cornelius, N.C., with her husband and three young children.

William R. Lewis, MD'57, DC, still enjoys neurosurgery practice in Monterey, Calif., but at a "greatly reduced pace." He sees patients regularly and operates as necessary. He now has more time for volunteer work. He is active as a second-term elder at Carmel Presbyterian Church and is chairman of the board of directors for the Facioscapulohumeral Dystrophy Association. He and wife Duncan will celebrate their 53rd anniversary this year. They have four children—**William III, MD'85, DC,** is a professor of medicine at University of California, Davis, School of Medicine and the father of one; Elizabeth Conron works in realty management and has two children; Linda Stapleton also works in realty management and has two children; Harry works in realty management and is the father of three.

Shirley K. Osterhout, WC'53, MD'57, HS'57-'59, former director of the Poison Control Center based at Duke, still speaks to both professional groups and lay audiences concerning her experiences as a female doctor. Before she retired in 1997, she was very active on committees for the Food and Drug Administration and other federal agencies. She and **Suydam Osterhout, MD'49, PhD,** have been married since 1960 and live in Durham. They have three children. Their son Mark is a senior partner at a law firm and lives in Rocky Mount, N.C., with his wife and two children. **Martin, T'85, PhD,**

lives in Raleigh and works as a senior chemist at GlaxoSmithKline. Their daughter Ann O. Garrett works at GlaxoSmithKline and lives in Wake Forest, N.C., with her husband and two daughters.

William E. Painter, T'53 MD'57, DC, spends his time volunteering with Meals on Wheels and serving on various boards in the Lynchburg, Va., area. He and his wife Karen celebrated their 40th wedding anniversary in January. Their daughter Amy works for the National Oceanic and Atmospheric Administration in Silver Springs, Md. Son **William "Rusty," Jr., F'00,** lives in Durham with his wife and works for the Conservation Trust of N.C. Their daughter Emily and her husband live in Nashua, N.H.

Henry Thomas Perkins, Jr., T'54, MD'57, HS'57-'59, DC-Century, retired in 1995. He and his wife **JoAnn, N'58,** live in Raleigh, N.C., but spend a fair amount of time on the eastern shore of Maryland and in Blowing Rock, N.C. Their son is an action officer for the National Nuclear Weapons Council, and their daughter-in-law works as a nuclear engineer for the Department of Energy. They have three grandchildren ages 11, 3, and 1.

William I. Procter, MD'57, DC, a retired internal medicine physician, has been named to the North Carolina Board of Occupational Medicine and the board of the North Carolina Museum of History. He and his wife Happy live in Raleigh.

Correction

Horace B. Cupp, Jr., MD'55, HS'55-'56, '58-'64, was inadvertently not included in the corrections section of the last issue of *DukeMed Alumni News* in which several alumni were incorrectly listed as deceased. He is not deceased, but alive and well. We apologize for the omission.

Richard L. Rogers, MD'57, is an emergency room physician at Marlboro Park Hospital in Bennettsville, S.C. He and his wife Patricia have a combined total of 13 children and 23 grandchildren between them, with number 24 "on the way." They live in Florence, S.C.

Ralph E. Roughton, T'53, MD'57, recently was invited to present a paper at a Russian-American psychoanalytic conference in Moscow. He is a clinical professor of psychiatry, training and supervising analyst, and the former director of the Psychoanalytic Institute at Emory University School of Medicine. He lives in Atlanta, Ga., and has two daughters and three grandchildren.

Harold Paul Schulz, Jr., MD'57, reports that he and his wife Betty are in good health and have been together for almost 50 years. They have two sons and two grandchildren. The couple lives in Hillsborough, Calif.



▲ **Melvin J. Schwartz, MD'57**, is medical director of several long-term care facilities in the Boston area. His home in Chestnut Hill, Mass., is only one block away from Boston College, where in the fall and winter he attends football and basketball games. He says now that Boston Col-

lege has joined the ACC, he can also follow Duke and UNC games. He and his wife Kay have three sons, two grandsons, two granddaughters, and a Yorkshire terrier named Sampson. In the summers he and his sons sail their traditional New England catboat in Newport, R.I. Schwartz says he looks forward to renewing many friends at the DukeMed reunion this fall.

Robert L. Smith, T'54, MD'57, DC, has joined the United States Public Health Reserve Physician Corps, a group of physicians who respond to natural disasters in their respective areas of the country. He presented a paper on "Prevention of Altitude Sickness in Adventure Travelers" at the 10th International Society of the Travel Medicine Conference in Vancouver, Canada in May 2007. He also presented a poster on a similar topic at the Fifth European Conference on Travel Medicine in Venice, Italy, in April 2006. He retired from private practice in 1998 and now teaches part time at the University of Washington School of Medicine. He lives in Shoreline, Wash.

Alan Solomon, MD'57, DC, received the annual Research in Basic Science Award from the University of Tennessee Graduate School of Medicine. He is the principal investigator on several Phase I clinical studies and holds one of the longest-running research grants from the National Institutes of Health (1965-2012). His wife Andrea Cartwright is

pursuing a second master's degree at the University of Tennessee's Department of Religious Studies. They live in Knoxville, Tenn. Solomon's son David and his wife have three children, and his son Joe is married with two children.

Karl A. Zener, MD'57, has been closing out his psychiatry practice in Washington, D.C., over the past two years and hopes to have it completed soon. However, he still plans to continue to work assignments through the physician recruiting agency, Locum Tenens. His wife Rita works as an AMI Montessori trainer, examiner, and consultant. In the past year she has worked in Peru, Italy, Romania, Dublin, London, and Paris, and Karl has joined her on many of these trips. All but one of their five children live nearby in the Washington, D.C., or Baltimore area. They have eight grandchildren.

Robert J. Shofer, MD'58, HS'58-'59, and his wife Cynthia in 2003 moved from Huntington Beach to Palm Desert, Calif., where they are "enjoying the clear and starry skies." He retired from neurology practice in 1996. Avid pilots, he and Cynthia spent more than 10 years with the Flying Samaritans providing medical care to isolated areas of Baja, Mexico. They have four adult sons and four grandchildren. Their son Joshua works in the insurance industry. **Son Scott, MD, PhD, HS'04-'07**, just completed an ICU-Pulmonary fellowship at



Duke and will be joining the Duke faculty as an attending this year.

James P. Gills, Jr., MD'59, DC-Century, founder and director of St. Luke's Cataract and Laser Institute in Tarpon Springs, Fla., has been elected to The Johns Hopkins University Society of Scholars. He and 15 other esteemed scientists and clinicians were honored during the society's 38th induction ceremony on May 16, and again at the university's commencement ceremony on May 17. Gills is recognized as one of the nation's most prolific and innovative anterior segment surgeons. He is a 2005 recipient of the Duke Medical Alumni Association's Humanitarian Award. He and his wife Heather have two children: son **James P. "Pit" Gills III, MD'97**, and his wife Joy have two children; daughter Terrill Shea Grundy and her husband Shane Grundy, MD, have four children.

1960s

▲ **Phil H. Pearce, MD'60, HS'60, '64-'67**, and his wife Ann recently celebrated their 50th wedding anniversary at Hilton Head, S.C. with their three children, Scott, Philip Jr., and Lisa, their children's spouses, and seven grandchildren.

Richard L. Reece, T'56, MD'60, has retired as a pathologist but still works full time as editor-in-chief of Physician Practice Options, author of *Innovation-Driven Health Care: 34 Key Concepts for Innovation* (Jones and Bartlett 2007), and frequent contributor to Healthleadersmedia.com. He also is creator of his own daily blog (www.innovationblog.blogspot.com). He lives in Old Saybrook, Conn., with his wife Loretta, a former Massachusetts General nurse, and Paris, their French bulldog. His son Spencer is a nationally known poet and aspiring Episcopalian priest. His other son Carter lives in New York City.



▲ **C. Thomas Caskey, MD'62, HS'63-'65, DC**, has been named director and chief executive officer of the Brown Foundation Institute of Molecular Medicine for the Prevention of Human Disease (IMM) after serving as director- and CEO-elect for the past 18 months. The IMM is part of the University of Texas Health Science Center at Houston. Caskey's work contributed to the Human Genome Project at Baylor College of Medicine, and he has discovered 12 genes causally related to human disease. He and his wife **Peggy, WC'61, DC**, live in Austin, Texas. They have two grown children, **Caroline, T'88**, and **Clifton**.

Raymond M. Farmer, MD'62, a retired OB-GYN, and his wife Betty are now living in an ACTS retirement-life community, Lanier Village Estates, in Gainesville, Ga. Their first great-grandchild, Adah Ruth Brooke, was born on July 5 at Bethesda Naval Hospital.

J. Thomas Foster, MD'62, DC, retired in 2005 from Graystone Ophthalmology Associates in Hickory, N.C. He now spends time doing medical mission work in Zambia, South Africa and was planning a trip there in September. When back home

in Hickory he enjoys fly fishing for trout. He and his wife Sandra have three children and six grandchildren.

Emile Louis Gebel, Sr., T'58, MD'62, HS'62-'66, DC, along with several of his family members, works for Shagreen Nursery & Arboretum in Shelby, N.C. Shagreen is the largest vendor at Stowe Botanical Garden on vendor sales days. They also custom grow pansies and violas.

Robert N. Grant, T'59, MD'62, DC, is a general, vascular, and thoracic surgeon and director of a hyperbaric medicine and wound care center in San Angelo, Texas, where he lives with his wife Denise.



▲ **Leslie C. Norins, MD'62, DC**, has produced the monthly newsletter *Technology Transfer Tactics*, which he says will help medical centers or universities with the process of "moving discoveries from the professor's lab bench and notebook out into the real world of corporations and venture capital so they can be licensed and turned into real, mass-produced products that can benefit patients." Information can be found at www.technologytransfertactics.com. He and his wife Rainey live in Naples, Fla.

Norman B. Ratliff, Jr., T'59, MD'62, HS'62-'63, '65-'69, and his wife Duane retired last

year and moved to Montrose, Colo., to be near their daughter. Since moving they have enjoyed hiking and walking every day. Most recently they completed a horseback camping trip in the mountains with their oldest son and two grandchildren. Together they have three children (two are teachers and one is a cardiologist) and three grandchildren.

James R. Urbaniak, MD'62, HS'62-'69, DC, the Virginia Flowers Baker Professor of Orthopedic Surgery at Duke, continues to practice "although at a lesser pace." In March he was elected president of the International Federation of Societies for Surgery of the Hand, an organization spanning 51 countries with more than 9,000 members. The organization also honored him for his life-long contributions to hand surgery. He and his wife **Martha, N'67**, live in Durham.

William B. Waddell, MD'62, HS'62-'63, '64, DC-Century, has been retired for seven years now. Ten years ago he and his wife Emily moved to Bald Head Island, N.C., where he says they have a house on "a tidal creek and marsh with ever-changing scenery and wildlife." He spends his time singing with a community chorus, reading, writing, building boats, volunteering, and walking the beach with their Great Dane, Captain Jack. He says Emily stays busy conducting coding and compliance seminars for the American College of Obstetricians and Gynecologists and

the American Academy of Family Physicians.

Wade S. Weems, T'58, MD'62, a retired assistant clinical professor at Asheville VA Medical Center in Asheville, N.C., reports that his wife Patricia passed away last September. He has three daughters, Meghan, an epidemiologist in Atlanta; Courtney, a medical student at East Carolina University; and Whitney, a high school senior. He lives in Linville, N.C.

Tolbert S. Wilkinson, MD'62, HS'62-'64, says his tattoo removal program in San Antonio, Tex., has expanded across Texas and into other states, including North Carolina. He is looking for other doctors to start similar programs. He has pioneered a low-cost tattoo removal protocol to help gang members and others looking to remove unwanted tattoos. Also, his textbook, *Atlas of Liposuction*, has been published in Chinese. His wife Suzanne is reopening their bed and breakfast at their ranch. They have four children—Scott, PhD; Noel; Theresa; and Pricilla.

Everette James, Jr., MD'63, and his wife Nancy Farmer recently donated 28 paintings valued at more than \$82,000 to Greensboro College in Greensboro, N.C., creating the Farmer-James Collection of 20th Century American Art. Duke University also has been the recipient of their art collections. The couple lives in Chapel Hill.

Doyle G. Graham, MD'66, PhD'71, DC-Century, has accepted a three-year commitment to serve as a visiting professor at the Duke-National University of Singapore Graduate Medical School. He will serve as director of the Body and Disease course (pathology, pharmacology, microbiology, and immunology), which will be offered in the spring of the first year.

Emanuel Newmark, MD'66, DC-Century, received the Shaler Richardson, MD, Service to Medicine Award by the Florida Society of Ophthalmology in June. The award is given annually to the Florida ophthalmologist who has made the greatest personal contribution to quality patient care by coordinating, participating, collaborating, and integrating ophthalmology into the medical profession on a local, state, or national level. Newmark lives in Atlantis, Fla.

David G. Allen, MD'67, HS'67-'69, DC, practices at Pinehurst Medical Clinic, Inc., in Pinehurst, N.C., where he lives with his wife **Kathleen, MSN'83, R'96, DC**. His son Tom is the owner and manager of a pet center in Denver, Colo. Daughter Jen lives with her mother, Pamela, in Reidsville, N.C., and dabbles with computers and horses.

Paul N. Chervin, MD'67, DC, is an instructor in neurology at Harvard Medical School and chief of the Division of Neurology at Winchester Hospital. He divides his practice time between a private practice

in Massachusetts and a rural medical center in Vermont. He lives in Warren, Vt.

John T. Flaherty, MD'67, retired last year from a small biotech company in Cambridge, Mass., where he managed clinical research. Since then he and wife **Lois, MD'68**, have moved back to Philadelphia, Pa., where he now works as a consultant for Shire Pharmaceuticals LLD. He and Lois bought a new sailboat and enjoy sailing in the Chesapeake Bay. They also enjoy spending time with their two grandchildren and skiing in Vail, Colo., where they own a condo. They have three sons. Keith is on the oncology faculty at the University of Pennsylvania. John lives in Baltimore. **Mark, B'95**, lives in Metuchen, N.J., where he works as a marketing manager for Virgin Mobile.

J. William Futrell, T'63, MD'67, a plastic surgeon at Magee Women's Hospital at the University of Pittsburgh, has been named president of the American Association of Plastic Surgeons. He has co-founded several companies including Stem Source, Inc.; Human Analytics; Advanced Vital Services; PluroGen, Inc. He and his wife **Anna, T'65**, live in Pittsburgh.

Harry A. Gallis, MD'67, HS'67-'68, is medical director of the Charlotte Area Health Education Center and specializes in infectious diseases. He recently completed two years as president and eight years

on the board of the Alliance for Continuing Medical Education. He currently serves on the boards of The Arts and Science Council of Charlotte; The American Orchid Society; and chair of the education committees for both the North Carolina Medical Society and the Infectious Disease Society of America. He and his wife Sue have two children, Alex, a chef at Magnolia Grill in Durham, and Sarah, who recently completed a program in equine technology and is pursuing a career in the horse industry. They live in Cornelius, N.C.

M. Eugene Kendall, T'62, MD'67, DC, a retired cardiologist, and his wife **Eliza Kennedy Kendall, N'66**, are splitting their time between Scottsdale, Ariz., in winter and Hendersonville, N.C., in the summer. He says he misses the patient contact of being in practice but does not miss "the nightmares of insurance companies, hospital administrators, and federal programs."

Robert N. Marshall, Jr., MD'67, HS'67-'70, the director of pediatric endocrinology at T.C. Thompson Children's Hospital in Chattanooga, Tenn., says he's becoming "addicted to digital photography, gardening, and travel." He has three children, Robert, an anesthesiologist in Raleigh; Karen, who works for an educational software company in Chapel Hill; and Allen, who is in his third year of an ear, nose, and throat residency at UNC-Chapel Hill.

He and his wife Margaret live in Chattanooga.

Jesse D. Samuels, MD'67, is a medical director for the managed care organization Aetna and studying for his sixth family practice board recertification. He and his wife Susan live in West Hartford, Conn., and are enjoying their four grandchildren who live nearby. They also enjoy cycling in Connecticut and Berkshire County, Mass. He says he plans to retire in three to five years.

Robin T. Vollmer, T'63, MD'67, HS'72-'73, DC, is practicing surgical pathology, dermatopathology and cytopathology mainly at the Durham VA Hospital. He teaches residents and physician's assistant students and publishes an occasional paper. When not working he enjoys swimming, kayaking, watching Duke women's basketball, and playing the trumpet. He and his wife **Pam, A'78**, have been married for 15 years and have three daughters, Kirsten, Malin, and Christina. They live in Durham.

Norman W. Wetterau, MD'67, recently led the N.Y. State Academy of Family Medicine to endorse a one payer system. He is currently helping the Center for Substance Abuse Treatment (CSAT) develop a primary course on methadone and another course on narcotics for chronic pain. He also is on the advisory panel for a White House conference on medical education in

addiction medicine and is an American Society of Addiction Medicine (ASAM) liaison to the American Academy of Family Physicians (AAFP). He practices family medicine in rural upstate New York, where he treats about 70 narcotic addicts with buprenorphine. He and his wife Nancy live in Dansville, N.Y. Their son Greg is a water engineer in southern California, and their daughter Kristina is a social worker in Chicago.

1970s



▲ **Donald "Craig" Brater, T'67, MD'71, HS'70-'71**, DC, the dean of the Indiana University School of Medicine, is the recipient of the 2007 Indiana Public Health Foundation's Lifetime Achievement Award for Distinguished Service in Years of Health Advancement. He joined Indiana University in 1986 and was selected to be chair of the Department of Medicine in 1990. He has been dean since 2000. He and his wife Stephanie have a daughter Aimee who lives in Florida. The Braters live in Indianapolis.

Charles J. Jaffe, MD'71, PhD'72, HS'71-'73, has been appointed the first chief executive officer for Health Level 7, Inc., an international

standards development organization. HL7 is responsible for clinical information for patient care, clinical research, and administrative data employed across public and private sectors. Jaffe previously was the senior global strategist for the Digital Health Group at Intel Corporation, vice president of life sciences at SAIC, and director of medical informatics at AstraZeneca Pharmaceuticals. Throughout his career he has been the principal investigator for numerous clinical trials and served in various leadership roles in the American Medical Informatics Association and other professional organizations. He lives in Del Mar, Calif.

Peter T. Scardino, MD'71, married Judith Ann Kelman in June. Scardino, a previous recipient of a Duke Medical Alumni Association Distinguished Alumnus Award, is a urologist and prostate cancer specialist and the chairman of the surgery department at Memorial Sloan-Kettering Cancer Center in New York City. Kelman is the author of many books, including *Summer of Storms* for which she received the Mary Higgins Clark Award for best suspense novel of 2001 from the Mystery Writers of America. Together they wrote *Dr. Peter Scardino's Prostate Book* in 2005. They live in New York City.

Irrigation Innovation: Holloway Designs Water-Saving System

In farming and environmental circles, **Rufus M. Holloway, Jr., MD'62, HS'62-'63**, dared to dream big and has built a better mousetrap. Only, instead of catching rodents, his innovation traps something of much greater value: fresh water.

Marrying ancient principles of flood-plain irrigation with modern technology, Holloway, a retired ear, nose, and throat surgeon and an ornamental tree grower in Orlando, Fla., has developed a revolutionary large-scale irrigation system that captures and recycles rain water.



As pollution, global warming, and wastefulness continue to decrease the world's dwindling supply of fresh water, the Holloway Irrigation System offers hope to a thirsty, environmentally sensitive planet. In 2007 the U.S. Environmental Protection Agency

honored Holloway with its prestigious Pisces Award for performance and innovation in environmental sustainability.

"Conventional irrigation systems are very wasteful," says Holloway. "About 4 to 6 million gallons of water per acre per year are used with conventional systems such as overhead sprinklers." Holloway established the Holloway Tree farm in central Florida in 1983 after a devastating freeze destroyed the family citrus holdings.

"I thought we could do the irrigation a better way," he says; and with the help of several state and federal grants he has succeeded.

A massive snow-white high-tech polyethylene liner is spread over 12 acres of hard-packed mildly sloping ground. It is banked on all sides and partitioned into 18 separate bays by 14-inch tall earth and concrete berms that also are covered by the impenetrable liner. The liner acts as a massive rain catcher, and gravity feeds rain water to a reservoir at the low end of the system.

Inside each bay rest hundreds of individually potted ornamental trees—magnolia, holly, oak, to name a few. With the flick of a switch water is pumped from the reservoir into a specific bay, flooding it to the top of the pots, which have holes in the bottom to allow the plant roots to drink in the water. Thirty minutes later the water is drained from the bay and gravity-fed back to the reservoir.

The system uses only rain water so long as there is at least 30 inches of rainfall a year (most eastern states receive more than 40 inches); and it is entirely self-sustaining, with no need to tap the underground aquifer.

"We irrigate about 120 times per year as opposed to two or three times a day with overhead systems," Holloway says. His closed-loop system saves enough water in one year to provide for the annual water needs of more than 1,000 people, he says.

Fertilizer runoff into the aquifer is nonexistent, as the high-density liner prevents leaching. Because water does not fall on the plant's leaves and topsoil (except when it rains), there is a significant reduction of fungicide and herbicide use. The white liner reflects light under plant leaves and discourages insect infestations. Algae-eating fish keep the water in the reservoir to near drinking-water quality. Crop uniformity is improved.

"Agriculture needs to take a hard look at ways of conserving water," Holloway says. "Any time we can prevent withdrawing



The Holloway Irrigation System

water from the aquifer to irrigate crops, the more water there is for supplying the needs of the population."

He currently is working with The University of Florida's PhD program to further research and promote the concept of his closed loop, water-conserving irrigation system, which he has patented in the U.S., South Africa, Australia, and Mexico. The system holds patent-pending status in Canada, China, Europe, and Israel.

He also is marketing a less costly miniature version of the system for use on home patios and for the concept of rooftop gardening as it becomes more common in the U.S., China, and Europe.

He maintained his surgery practice until retiring five years ago. Holloway served as director of Medical Affairs at Orlando Regional Hospital for five years and was the first ear surgeon to perform a cochlear implant in Florida in 1985.

Holloway and his wife Betsy, WC '58, have a son Michael, MD, HS'99-'00 a physician who lives in Ocala, Fla., and who also is actively involved with the development of the Holloway Irrigation System. Thier website is www.holloway-tech.com

— Jim Rogalski

Harward's Steady Commitment Leads to Ironman Finish

In 2000, Timothy R.S. Harward, T'75, MD'79 could barely manage 10 minutes on a stationary bike three times a week, and he tipped the scale at a doughy 215 pounds on his 5-foot-10 frame. He was as close to understanding what it's like being an ultra-endurance athlete as he was to walking on the moon.

This past June the now 170-pound svelte vascular surgeon from Orange County, Calif., plunged into the choppy, white-capped water of Lake Coeur d'Alene in



Idaho and churned out a 2.4-mile swim. He then cranked his bicycle pedals for 112 miles over seven straight hours and finished the day with a 26.2-mile marathon run that culminated his continuous 14-hour effort. At age 54, Harward had joined the elite ranks of those who can call themselves an Ironman.

"This was not my intent," he says with a laugh. Harward began exercising seven years ago simply to improve his health. "It

was time to get physical and do something. I was getting too worked up about work and things that were going on in the health care system," he says.

His mind and body relished the release and stimulation that exercise provided, even in the small doses that he began with. Early on, Harward's only athletic goal was to stick with it. Within a year his 10-minute stationary bike sessions had grown to an hour-and-a-half four times a week.

"I'd watch Duke basketball games and yell at the TV while riding away," he says. "I really like this stuff. I have a passion for it."

So much so that after the first year Harward joined a master's swim group because he enjoyed swimming. He gradually built up to swimming two-and-a-half miles four mornings a week. He added running, figuring that "my joints could tolerate it since I had lost weight."

His improved fitness level and transformed physique were testaments to his dedication over the long haul. The confidence that came with that sparked his competitive juices, and doing a swim-bike-run triathlon seemed eminent. When he completed his first short-distance triathlon (900-yard swim, 22-mile bike ride, 4-mile run), he says, "I was hooked. I loved the challenge of it and the achievement of doing something that I set out to do."

He entered more triathlons of gradually increasing distances, and within four years of beginning a regular exercise routine Harward completed his first half-Ironman triathlon, which is half the distance of a full Ironman (1.2-mile swim, 56-mile bike ride, 13.1-mile run). The next year he raced the Escape From Alcatraz Triathlon, which consisted of a 1.5 mile swim from Alcatraz Island in 49-degree choppy water, a 22-mile bike ride, and an eight-mile run. While much shorter than the previous year's half-Ironman, the challenging event inspired him with new found confidence.

"I had never been as charged to finish as I was that one," he says. "The waves were at least three feet tall. That's when I really got hooked into believing I could do (a full Ironman)."

Over the next two years he completed eight half-Ironman triathlons, including one in Hawaii last June. Completing a full Ironman seemed a natural next step, but committing to the increased training volume needed would require the support of his wife **Mary, MD'80**, and family, as well as his practice partner.

"I talked to my partner and said, 'I want to do an Ironman and it's going to require a lot of time. I'm not going to back off the job, just change the schedule,'" he said. "I still do the same number of operations. I talked to my wife and she was very supportive."

Harward's ramped up training includes running 16 miles round trip to and from work three days a week; swimming four days a week at 5 a.m.; riding the stationary bike at night; riding his road bike for five or six hours on Saturday; and going for a continuous 15- to 20-mile run on Sunday.

His only injury of consequence was in January when he needed knee surgery to repair a torn medial meniscus. It sidelined his running and biking for a couple of months; however, he was able to maintain his cardiovascular training by swimming during his recovery from surgery.

Harward says the lesson people can learn from him is that his current fitness level is not founded on Herculean strength, but on Herculean patience.

"Your initial goal may be exercising three times a week," he says. "Start slow but stay committed."

He plans to return to next year's Lake Coeur d'Alene Triathlon in Idaho and if he remains injury-free, believes he can shave two hours off his time.

Harward and his wife have three children, **Stephen, T'07, MS1**; Thomas, a Duke undergrad currently on leave and taking classes at the University of California at Berkeley; and Christina, 14.

— Jim Rogalski



▲ **Clifford G. Andrew, MD'72, PhD'74, HS'76**, is part-time assistant professor of neurology at Johns Hopkins University School of Medicine in Baltimore and a solo clinical neurologist in Severna Park, Md., where he lives with his wife Jane. He has three children, including Galen, who received a master's degree in computer science in 2005 from Stanford; Amalie, currently getting a master's degree in occupational therapy at the University of Pittsburg; and Erin, who is earning a bachelor's degree in English at Ursinus College in Collegeville, Pa.

Michael J. Andrews, Jr., MD'72, HS'71-'76, a urologist with Danville Urologic Clinic in Danville, Va., completed yoga teacher training in 2003. He and his wife Rosemary recently celebrated their 30th wedding anniversary, and he is growing a vegetable garden for the first time. They have six grown children—three daughters and three sons—and live in Danville.

J. David Dalton, T'63, MD'72, is retired and spending much of his time painting on large canvases with acrylic paint. He says he began painting while an undergraduate at Duke. His

website is www.daltonsalt.com. He and his wife Rebecca have three children, James Jr., MD'90, HS'90-'96; Michael; and Bennie, and live in Meggett, S.C.

James H. Haynes, MD'72, has been retired since 1998. After closing his practice he continued to instruct physical diagnosis students at Vanderbilt University until 2005. He and his wife Mary have eight grandchildren whom he says "delight and enlighten me." They live in Brentwood, Tenn.

John K. Herpel, MD'72, retired in March 2001. He and wife **Stella, WC'72**, who were married in Duke Chapel in 1976, live in Acworth, N.H.

Christian E. Jensen, MD'72, is president and CEO of The Delmarva Foundation, a non-profit healthcare organization serving several communities in Maryland. Last year he became a member of The Quality Improvement Organization for Medicare. He is retired from the U.S. Navy Reserves after 42 years of service. He and his wife Gail have two grown children, Christian, an attorney, and Wendy, a nurse. They live in Denton, Md.

John G. Migliori, MD'72, DC, is a staff anesthesiologist and co-director of anesthesiology for Treasure Valley Hospital in Boise, Idaho. He and his wife Mary, MD, have twin boys, Armand and Giancarlo, who were born on their wedding anniversary on April 24, 2004. The family lives in Boise.



▲ **Alfred (Fred) P. Sanfilippo, MD'74, PhD'75, HS'76-'79, DC-Century**, has been named executive vice president for health affairs, chief executive officer of the Woodruff Health Sciences Center, and chairman of Emory Healthcare at Emory University, Atlanta. He begins his new posts on October 1. He currently is a physician-scientist and senior vice president and executive dean of health sciences at Ohio State University in Columbus. He and his wife **Janet, WC'72, B'80**, have two children, Lisa and Joseph.

Paul S. Auerbach, T'73, MD'77, a clinical professor of surgery in the Division of Emergency Medicine at Stanford University School of Medicine, was honored with a 2006 New Orleans Grand Isle (NOGI) Award by the Academy of Underwater Arts and Sciences. NOGIs are given each year to distinguished divers. It is the oldest award in the diving industry. Past recipients include Jacques Cousteau and Robert Ballard. Auerbach also recently saw the publication of the fifth edition of his textbook *Wilderness Medicine*, and the third edition of *Field Guide to Wilderness Medicine* is in the works. He and his wife Sharon have three children.

Brian is a senior at Vanderbilt University; Lauren will attend the University of California, Santa Barbara, in the fall; and Dan is a sophomore in high school. The family lives in Los Altos, Calif.

Claude L. Hughes, Jr., MD'77, PhD'81, HS'81-'85, will miss the fall reunion because he plans to spend most of the month of October in China as a Chinese Visiting Scholar at major research universities in Nanjing, Hangzhou, and Beijing. He writes, "It is a singular honor, and I cannot fail to go!" He and his wife Linda Ann Sakiewicz live in Mebane, N.C.

John D. Kennedy, Jr., T'73, MD'77, of Marietta, Ga., plans to return to work in August after a four-year sabbatical. His son **Daniel, T'05**, married Aletta Kupor in Budapest, Hungary, in June. His son **Christopher, T'05**, attends Duke Law.

Wendy Paulson Moeller, MD'77, DC, is a physician with Eastern Carolina Internal Medicine in Pollocksville, N.C. Outside of work she is involved with church activities and serves on the board of trustees for the local community college. She also enjoys spending time with her four children: **Carrie, T'05, Thayer, T'07**, Cameron, and Chandler. Thayer recently graduated from Duke and is now employed by a financial consulting firm in New York. She says the family is now "getting used to a different color of blue" as son Cameron heads to UNC in the fall.

Carolyn Frances Pedley, T'73, MD'77, is director of the Web site for Evergreen Healthcare (www.forevergreenmedical.com). A book about Eugene Stead, *Considering Challenges with Dr. Eugene Stead*, is included on the site's online catalog. Five percent of the proceeds go to Duke Medical Center. Pedley's husband, **Robert L. Bloomfield, MD'77**, is the primary investigator on two grants on diabetes, one of which is the ACCORD study from the National Institutes of Health. They live in Winston Salem, N.C.

Neil W. Trask III, MD'77, DC, is a cardiologist with Cardiology-Gastroenterology Associates in Myrtle Beach, S.C. His wife Donna is an administrator for Bible Study Fellowship in Myrtle Beach. Their son Benjamin is a 2007 graduate of Coastal Carolina University with a BS in resort and tourism management. Their daughter Rachel plans to attend Coastal Carolina University in the fall.

David S. Shimm, MD'78, HS'78-'80, is practicing radiation oncology in Beckley, W.V. where he is vice president of Beckley Oncology Associates, a multi-specialty oncology group. He also is medical director of Hospice of Southern West Virginia, medical director of the free clinic Beckley Healthright, and book review editor for the *International Journal of Radiation Oncology Biology Physics*. He and his wife Carmen live in Charleston, W.V.

1980s

Jonathan D. Christenbury, MD'81, HS'81-'85, DC, and his wife **Mary, MD, HS'80-'84, DC,** have two children at Duke this fall. Joseph is a rising senior and Liz is a freshman. Jonathan is medical director of Christenbury Eye Center, PA, in Charlotte, and Mary is a private practice physician. The family lives in Charlotte.

Betsy McCarley Billys, MD'82, has opened a medspa called McCarley Dermaspas in Visalia, Calif. where she is raising her three kids, Lauren, a sophomore at Southern Methodist University; Jimmy, a high school senior; and Alyssa, a high school freshman.

Christine G. Bounous, T'75, MD'82, HS'82-'85, DC, and her husband **Edwin, MD'80, T'81, HS'84-'85, B'99, DC,** practice internal medicine in New Bern, N.C., where they are part of a 34-physician internal medicine/subspecialty group. Their daughter **Charlotte, T'08,** is an undergraduate at Duke, and their son **Michael** is a high school junior.

David Calcagno, MD'82, quit his vascular surgery practice this year and has since opened an office in Mechanicsburg, Pa., where he only treats varicose veins. "It's great to be able to see the family and sleep through the night," he writes. He and his wife **Elizabeth** have a son **Paul, 14,** and a daughter, **Tess, 12.**

Thomas H. Grote, MD'82, HS'82, is medical director

of Forsyth Regional Cancer Center in Winston-Salem, N.C., and an assistant consulting professor of Medicine at Duke. He and his wife **Susan** live in Winston-Salem.



▲ **Rosanne Pollack Kappa, MD'82,** is a physician with Women's Health Care Specialists in Kingsport, Tenn. She and her husband **Jeff, T'78, MD'81,** a general and vascular surgeon, celebrated their 27th wedding anniversary in August. Their oldest child, **Stephen, 22,** graduated from Yale in May and plans to attend Vanderbilt Medical School in the fall. Their son **David, 20,** will graduate from Yale in 2008 and is applying to medical schools. Son **Jason, 18,** will attend Yale in the fall, and their daughter **Laura, 15,** will be a high school sophomore in the fall.

Greg K. Kirschner MD'82, has returned to his role as associate director of the family medicine residency program at Advocate Lutheran General Hospital in Park Ridge, Ill. He says he enjoys training family physicians, not only in the Chicago area, but also in Nigeria, where he and his family remain actively involved at ECWA Evangel Hospital in Jos. The family served there for seven years and continues to make regular trips back.

Kirschner recently was named a fellow in the West African College of Physicians. Outside of medicine he enjoys playing the piano, banjo, and guitar. His wife **Carolyn** is a gynecology

oncologist in practice at Evanston Northwestern Hospital. She is also involved with the care of women with vesicovaginal fistulas in Nigeria. The couple has four teenage children: **Christine, Katie, Stephanie,** and **Jonathan.**

Deborah Jean Kondis, MD'82, recently received the Vanderbilt Resident's Faculty Teaching Award. In addition to her private gynecology practice and operating room teaching responsibilities as assistant clinical professor of OB-GYN at Vanderbilt University, she has spent the past year working part time in an aesthetic medical center. She lives in Nashville, Tenn., and has two children. **Pamela** is a junior at Washington University in St. Louis, and **Casey** is a senior in high school.



▲ **Susan Page Lodewijks, T'78, MD'82,** currently is a

family physician at Edgeworth Medical Centre in Hornsby, New South Wales, Australia. Her husband **John, G'82, PhD'85,** is a professor of economics. They have three children. **Ben** and **Emma** attend Sydney University, and **Rachel** is in high school.

Keith R. McCrae, MD'82, HS'82-'85, a professor of medicine at Case Western Reserve School of Medicine in Cleveland, remarried in 2007 after being widowed in 2002. He has two children. **Brett, 19,** is at Brown University, and **Kristen, 16,** is a high school senior. He and his wife **Katherine Emerson** live in Shaker Heights, Ohio.



▲ **Diana B. McNeill, T'78, MD'82, HS'87-'88,** and her family spent two weeks in China and Japan in May. She has been on staff at Duke for 20 years, including being program director of the Internal Medicine Residency Program since 2001 and full professor of endocrinology since March.

She and her husband **David, T'77,** have four children—

Matthew, 21, a Duke senior; **Jenna, 18,** a Duke sophomore; **Jonathan, 22,** a recent UNC graduate; and **Cameron, 11.** The family lives in Durham.

Steven Mark Ornstein, MD'82, in collaboration with his wife **Lynne Nemeth,** is conducting a study to assess a model to improve colorectal cancer screening in primary care practices across the United States. The study is funded by the National Cancer Institute. He is director of practice partner research at the Medical University of South Carolina. **Steve** and **Lynne** have two children. **Joseph, 20,** is a junior at Dartmouth College;

and **Joellen, 18,** is a freshman at Northwestern University.

Matthew Ralston, MD'82, HS'83-'87, a radiologist with Radiology Associates in Portland, Maine, says he misses his classmates and any of them who make it to Maine should "look us up. We're in the phone book." He and his wife **Katherine, L'89,** have two children, **Scott, 10,** and **Elizabeth, 8,** and live in South Portland.

J. Philip Saul, T'78, MD'82, has been appointed medical director of the Medical University of South Carolina

(MUSC) Children's Hospital in Charleston, S.C. He continues as pediatric cardiology director. He recently was honored with induction into the Westminster School's Thompson Science and Technology Hall of Fame. Westminster School is a private, co-ed, K-12 Christian school in Atlanta. He and his wife Amy, T'76, recently celebrated their 25th wedding anniversary. They have two children, Davis, 15, and Lillian, 10, and live in Mount Pleasant, S.C.



▲ **Leslie Schultz-Suhonen, T'78, MD'82**, enjoys her time away from medicine by entering agility and obedience competitions with her 3-year-old Nova Scotia Duck Tolling Retriever (Toller) named Misty. They were expected to compete in the Toller Championship Trials in September in their homeland of Finland. "Competitions are exciting," she says, "because results depend on the flawless performance of two athletes—the trainer and the dog." She also points out an additional positive effect: "Because of Misty I usually get out for over an hour or more of brisk walks in the parks and nearby forest each day, in addition to agility practice twice a week. Otherwise I'd probably have my nose buried in a book all

the time." She and her husband Matti have two children, Janne and Anssi.

Susan Ina Spitz, MD'82, is a senior editor with Houghton-Mifflin Co. and American Heritage Dictionary. She is editor for the *American Heritage Medical Dictionary*, and *100 Words to Make You Sound Smart*. She is a certified member of the Board of Editors in the Life Sciences. She has a daughter Megan

Savage, 19, who is a sophomore at Harvard College. Spitz lives in Newton, Mass.

Katherine Gutmann Wu, MD'82, HS'82-'85, '86-'87, is a staff psychiatrist at Human Resource Consultants, PA, in Raleigh, N.C., where she practices holistic psychiatry. Her husband **Lawrence, MD'82, HS'82-'85, A'87**, is a regional medical director at Blue Cross Blue Shield of North Carolina, where he works with a crew of medical directors, 70 percent of whom are Duke trained. He enjoys running in 5K races, although he reports that his times are a bit slower now. "Running in the older age groups enables me to win more races for my age group," he writes. Katherine and Lawrence have three children; one

daughter recently graduated from Williams College and hopes to go to medical school. The family lives in Cary.

Marc T. Galloway, MD'84, an orthopedic surgeon, has received a Kappa Delta Award. It was presented to him at the Orthopaedic Research Society's annual meeting in San Diego in February. Galloway is a physician at the Cincinnati Sport Medicine & Orthopaedic Center in Ohio.

Vincent Vilasi, MD'86, is president of Fair Oaks Anesthesia Associates in Fairfax, Va. He and his wife Leah live with their three children in Oak Hill, Va.

Beth Broadwin Belkin, BSN'78, MD'87, was named a distinguished fellow by the American Psychiatric Association. She is member of the board for the NY Council on Child and Adolescent Psychiatry and a member of the Sexual Orientation and Gender Identity Committee for the American Association of Child and Adolescent Psychiatry. She also is a voluntary faculty member at Weill Cornell Medical College. She and her husband **Rob, MD, HS'83-'86**, have been married for 28 years and live in Scarsdale, N.Y. They have three children: Daniel, 23, will be a first-year medical student at Cornell University this fall; Sam, 21, is a third-year student at New York University's Tisch School of the Arts; and Molly, 18, will be a fourth-year freshman at Duke this fall.



▲ **Oren Cohen, MD'87, DC**, recently attended a CEO roundtable on cancer in New York along with other leaders, including Duke men's basketball coach Mike Krzyzewski. Cohen is currently chief medical and scientific officer for Quintiles Transnational, a biopharmaceutical research organization headquartered in Research Triangle Park, N.C. He also is consulting professor of medicine on the infectious diseases faculties at the Duke and George Washington University schools of medicine. His other activities include serving on Chancellor for Health Affairs Victor Dzau's executive committee for the 2007 American Heart Association Heart Walk and chairing this year's Multiple Sclerosis Society Dinner of Champions. His wife Marla plans to open a private practice in psychiatry this fall. Their children Mark, 10, and Meredith, 5, attend Durham Academy and are "already die-hard Duke fans." The family lives in Durham.

Andrew Coundouriotis, T'83, MD'87, HS'87-'92, has transitioned his practice to exclusively include facial plastic and reconstructive surgery after 12 years of practicing both facial plastic surgery and

ear, nose, and throat. His new office is located in St. Petersburg, Fla., where he lives with his wife Elena.

Wilson Crone, T'82, MD'87, an assistant professor and science instructor at Albany Medical College in Albany, N.Y., is actively involved in the physician assistant program, teaching courses ranging from anatomy to research methods, as well as mentoring many of the students' master's projects. In 2004 he was awarded the State University of New York Chancellor's Award for Excellence in Teaching. He and his wife **Donna, PhD'89**, a research associate and lab manager at Rensselaer Polytechnic Institute, live in Troy, N.Y., with their two children, Cathy and Emily.

Mary C. Digel, MD'87, has a full-time family practice in the mountains of Alleghany County, North Carolina. She and her husband Richard J. Wurster have two children. Their daughter Rebecca, 23, is a third-year medical student at Loma Linda University in Loma Linda, Calif. Her life's goal is to work full time for Doctors Without Borders. Their daughter Anna, 14, is a high school freshman who says she will "never consider a job which requires a beeper." The family lives in Sparta, N.C.

Marc H. Gorelick, MD'87, is in his seventh year as chief of pediatric emergency medicine at Medical College of Wisconsin in Milwaukee, and recently became associate director of the Children's Research Institute with a primary focus on clinical research. He gets to the Triangle occasionally as a member of the American Sub-board of Pediatric Emergency Medicine which is based in Chapel Hill. When not practicing medicine he plays tuba in a brass quintet, runs, and brews his own beer. His wife **Lynn Broaddus, PhD'91**, is executive director of Friends of Milwaukee's Rivers. Their oldest son Evan is entering the University of Wisconsin-Madison this fall. Their younger son Girard will be a high school freshman. The family lives in Wauwatosa, Wisc.

Langdon A. Hartssock, MD'87, HS'87-'93, is the inaugural holder of the John Arthur Siegling, MD, Endowed Chair in Orthopedic Surgery at Medical University of South Carolina. His wife Charlotte is a full-time mother and accomplished tennis player. They have three sons, Langdon, 11, Thomas, 10, and Charles, 6, and live in Charleston.

Ann Elizabeth Miller, MD'87, is moving back to the Durham area after 16 years of private OB-GYN practice in New Jersey. Her partner **Carmen Williams, E'81, MD'86**, now works for the National Institute of Environmental Health Sciences in Research Triangle Park, N.C. Miller's two daughters are ages 15 and 11.

Leslie Joan Parent, MD'87, HS'87-'91, has been appointed chief of the Division of Infectious Disease at Penn State University College of Medicine, where her husband **George J. Olt, MD, HS'84-'88**, is division chief of gynecologic oncology. They have two daughters—a freshman and a junior in high school. The family lives in Hershey, Pa.

Reggie D. Parlier, MD'87, a physician with New Hope Family Medicine in Gastonia, N.C., has been busy recently with a mission trip to Rwanda, a canoe trip to the Maine wilderness, and as assistant scoutmaster for Troop 4 of the Boy Scouts in Gastonia. He and his wife Barbara have two sons, David, 14, and Mark, 13.

Robert D. Rehnke, MD'87, HS'92-'95, travels to Guatemala with his brother each June to do medical mission work. This year his wife Tammy and their twin daughters, Shelby and Katelynn, 13, traveled with him to Guatemala. For the past 12 years he has been in private practice in St. Petersburg, Fla. He and Tammy have been married for 26 years.

Marc R. Safran, MD'87, left the University of California-San Francisco in April to become a professor of orthopedic surgery, associate chief of sports medicine, and team physician at Stanford University. He also recently received the International Tennis Hall of Fame Tennis Education Merit Award. He and his wife **Lee, T'88**, have

three children, Janna, 10, Nathan, 8, and Clark, 6. They live in Burlingame, Calif.

Susan Weaver, T'83, MD'87, is the executive director of Alliance Medical Ministry, a faith-based nonprofit clinic that provides affordable primary medical care to the working uninsured in Wake County, N.C. Alliance provides care for more than 5,000 uninsured patients with comprehensive primary care at a fraction of the cost of local emergency rooms. Weaver also serves as medical director of community access at WakeMed Health and Hospitals and is president of the CapitalCare Collaborative (CCC), which uses Web-based initiatives to increase access to care for the uninsured. She was named "Tar Heel of the Week" by the Raleigh News & Observer earlier this year. She and **Rob, T'83**, celebrated their 21st wedding anniversary this year and live in Raleigh with their four children ages 17, 15, 13, and 9.



▲ **Mark E. Dovey, T'85, MD'89**, has been named chief of the Section of Pulmonology and Allergy in the Department of Pediatrics at St. Christopher's Hospital for Children in Philadelphia, Pa. Prior to this he was chief of the Division of Pediatric Pulmonology, Allergy,

and Immunology at New York Presbyterian Hospital, Weill Cornell Medical College in New York City. St. Christopher's Hospital for Children is a 161-bed pediatric hospital and a Level 1 pediatric trauma center with an affiliation with Drexel University College of Medicine. Dovey lives in Philadelphia.

W. Ross Stevens, MD'89, HS'89-'90, was inducted as a Fellow in the American College of Radiology (ACR) at a formal convocation ceremony during the 84th ACR annual meeting and leadership conference in Washington, D.C. He is a clinical professor of radiology at Southern Illinois University. He and his wife Ann live in Springfield, Ill.

1990s

Jeffrey David Byers, MD'92, HS'93-'96, was recently elected president of the Nashville Dermatology Society. In 2003 he released a CD of original Christian songs called *Jeff Byers: The Hour Has Come*. He and his wife **Janet, G'90, A'90**, have four children: Daniel, 12; Jessica, 9; Stephen, 7; and Andrew, 5.

Sharon Marie Castellino, MD'92, HS'94-'97, received a Lance Armstrong Foundation Young Investigator Award in her primary clinical and research area, childhood cancer survivors. She says her son Andreas, 10, is a rabid Duke basketball fan. He and her husband **Renato M. Santos, MD, HS'90-'95**, are also avid bikers, and each year

Andreas participates in the annual Brett's Ride for Rhabdomyosarcoma. Her daughter Olivia, 6, is a budding dancer and violinist.

Carlos Sidney Ince, Jr., MD'92, was recently elected president of the medical staff at St. Agnes Hospital in Baltimore, Md. He also serves on the board of directors for Midatlantic Cardiovascular Associates. He and wife Tammy will celebrate their 13th wedding anniversary in September. They have three children—Alyssa, 9; Cody, 6; and Ashley, 1.

Robert J. Dabal, MD'95, married Jamie Deanna Box in April at the Florida Yacht Club in Jacksonville. Many Duke School of Medicine classmates attended. Dabal is an assistant professor for pediatric cardiovascular surgery at the University of Florida, Wolfson Children's Hospital. The couple lives in Jacksonville.

Nathaniel John Moore, MD'95, received the Ernst & Young Entrepreneur of the Year 2007 Award in the Social Responsibility category in the Rocky Mountain Region. The award, which was presented in June at an Ernst & Young gala event in Denver, Colo., recognizes outstanding entrepreneurs who are building and leading dynamic, growing businesses. Moore is president and founder of Rocky Mountain Urgent Care located in Denver. He is now eligible for consideration for the entrepreneur of the year national award.

Never Letting Go

Markert says pediatric care extends beyond discharge

Early in her career as a pediatrician at Duke, **M. Louise Markert, PhD'81, MD'82, HS'82-'84**, says she believed all of her training and research had rendered her an expert when it came to treating certain childhood diseases. But to her surprise it was a child's parent who forever changed her approach to patient care.

Markert recalls visiting with the child's parents every day and telling them their child was sick and might die. "Finally one day the mother said to me 'Louise, you should play with my baby. Show me that you care for my baby, and then you can talk to me about this.'"

Today Markert primarily treats children with a fatal genetic disorder called complete DiGeorge Syndrome, and not only does she play with them while in the hospital, her relationships with the children and their parents last long after the children are discharged.

She stays in touch with each family through phone calls, letters, and e-mail. She even makes an effort to visit and take part in special events such as kindergarten graduations and awards ceremonies, no matter the distance. "I never let go," she says. "I tell them they're stuck with me for life, and we're holding hands wherever they are in the United States or somewhere else."

Children born with complete DiGeorge syndrome have no thymus, a gland important in the development of T cells. The thymus teaches T cells to fight infection while not attacking the body's own tissues. Without treatment the children usually die from infection.

Building upon programs that had already been established at Duke by **Rebecca H. Buckley, MD, WC'54, HS'58-'64**, in immunodeficiency diseases and **Barton Haynes, MD, HS'73-'75**, on human thymus tissue,

Markert found a novel way to prepare thymus tissue—normally discarded during pediatric heart surgery—for transplantation. The pediatric general surgery team at Duke then transplants the tissue into children with DiGeorge syndrome.

Of the 48 children who have received the transplant since 1993, including three this year, 33 are alive and doing well. The first patient who successfully received the transplant is now in the eighth grade.

Because Duke currently is the only medical center where thymus transplantation is performed, children come from all over the world seeking treatment.

"Some have never traveled before," she says.

"You can envision how scared they are." So Markert does her best to make the families feel comfortable. While Markert and her team dress in masks, gowns, and gloves when entering the child's room, the parents do not.

"I think development is so important in the first year, and how can you develop if you can't touch

your parents or if you can't see their faces? There is some risk in allowing that to happen, but I really want the parents to be able to love their children and touch their children."

Even though the thymus transplantation has proven successful for many DiGeorge patients, the procedure is still experimental. But Markert and her team continue their research (funded by the National Institutes of Health and the U.S. Food and Drug Administration) in the hopes that the transplant will be funded more easily by Medicaid and insurance companies. It currently takes a long time to obtain approvals.

Markert and her team are collaborat-

"I tell them they're stuck with me for life, and we're holding hands wherever they are in the United States or somewhere else."

M. Louise Markert



ing with Great Ormond Street Hospital in London to teach the procedure to doctors there. In addition to treating DiGeorge, one of their goals is to find new treatments for other autoimmune diseases such as lupus. On the home front, Markert says numerous people all across Duke have done their part to help save these children's lives—from the staff in the microbiology lab to the families of the children who have donated their thymus glands. "They all do it happily for a child they'll never see," she says.

—Bernadette Gillis

Sara Flora, MD'97, has worked for the past six years as an emergency physician in Louisville, Ky. Now working night shifts exclusively, she says she is enjoying "the variety and the moments of unexpected humor." She also is a fellow of the American College of Emergency Physicians. Along with her husband Brian, she spends her free time going on vacations to the beach, fishing for tiger sharks, gardening, and playing with their children—Ryan, 9, and Sydney Paige, 2.

David E. McCarty, MD'97, is completing a part-time fellowship in sleep medicine and will sit for the board

exam this November. His wife Emma, a physician, has started the first concierge medical practice in the Shreveport, La., area where they live. They have two daughters, Jacqueline, 5, and Audrey, 2.

Shannon Denise Norris, T'93, MD'97, was made a partner last July in her group practice, Northside Radiology Associates, in Atlanta, Ga. She specializes in women's imaging, particularly breast procedures and breast MRI. She and her husband Shawn have a daughter Grayson, 2, and live in Atlanta.

Kelly McDonough Butnor, MD'97, HS'02, a pathologist with Fletcher Allen Health Center in Burlington, Vt., is a member of the College of American Pathologists Cancer Committee, which sets national guidelines for the reporting of lung cancer and mesothelioma resection specimens. She and her husband John have a 6-month-old basset hound puppy and live in Charlotte, Vermont.

Meera Srinivasan Garcia, MD'97, is the medical director of a skin care spa in Atlanta, Ga., called About Face Skin Care. She is also on the membership committee at the American Urogynecologic

Society. Her husband Paul, MD, PhD, currently is in his second year of anesthesiology residency at Emory University. The couple lives in Decatur, Ga.

Jason M. Jacobs, MD'97, has been running his own practice—Premier Eye Care and Surgery, P.C.—in Denver, Colo. since 1995. He and his wife **Victoria, L'96**, have a daughter, Tabitha, 3, and were expecting their second child this summer. They live in Aurora, Colo.

Joseph S. Miles, T'93, MD'97, an attending physician with Pennsylvania Cardiology Associates in Philadelphia, and his wife **Jessica Salzberg Miles, T'93**, welcomed their second

child—daughter Elizabeth—in March. She joins sister Katherine, 3. He is the recipient of the Edward Viner Teaching Award from the medical house staff of Pennsylvania Hospital, one of the teaching hospitals of the University of Pennsylvania Hospital System. The family lives in Philadelphia.

Sean Paul Montgomery, MD'97, and his wife **Ranee Chattarjee, MD'97**, are living and working in Atlanta, and raising their two daughters, Meera, 3, and Meya, 5. Sean is a trauma/critical care fellow at Emory-Grady Memorial Hospital. In 2003-04 he did an eight-month deployment to Iraq as a surgeon in the U.S.

A professional and social networking event to welcome 4th year students and recent graduates into the Duke medical alumni family

entrée

Featuring fine food and spirits

Thursday, October 11, 2007
6:30 p.m.
Doris Duke Center
Duke Gardens

Hosted by
R. Sanders "Sandy" Williams, MD
The Entrée Event Committee
The Duke Medical Alumni Council
The Fund for DukeMed and the Davison Club

Attire: business casual

Army. Raneer currently is back in school working towards an MPH degree at Emory's Rollins School of Public Health. She also is working at the Atlanta VA Medical Center.

Edward G. Neyman, MD'97, and his wife Elina, welcomed their first child—daughter Evelyn—in May. He is a radiologist with HeartScan of Chicago, and lives in Wilmette, Ill.

Sylvia Ann Owen, MD'97, HS'98-'01, enjoys exploring “off the beaten path” portions of the United States and abroad on her BMW motorcycles and hopes to complete an extended motorcycle tour in 2008. She is a physician with Dermatology Associates, PLLP, in Kalispell, Mont. Outside of work she also enjoys photography, cycling, kayaking, and hiking. She has eight nieces and nephews.

Frank Tull IV, MD'97, and **Stacey Saito Tull, MD'97**, recently celebrated their 10th wedding anniversary. Frank is an orthopedic surgeon specializing in joint reconstruction in his private practice in St. Louis, Mo. Stacey is a dermatologic surgeon and divides her time between being an assistant professor at Washington University and her private practice, which she recently opened. They live in St. Louis with their son Cooper, 5, and daughter Katie, 3. They recently went through a major home renovation and addition to welcome Stacey's parents.

Rebekeh Ruth White, MD'97, HS'97-'05, is back at Duke after finishing her general surgery residency at Duke and a surgical oncology fellowship at Memorial Sloan-Kettering Cancer Center. She and her husband **Mark W. Onaitis, MD'97, HS'97-'07**, Duke assistant professor of thoracic surgery, are expecting their first child in October. They live in Durham.

2000s

Vikas J. Patel, T'96, MD'00, HS'01-'04, and **Neha Gohel** were married in North Carolina on June 23. They live in Tysons in northern Virginia, where Patel works as a dermatologist and Gohel is a senior analyst for Omniture, Inc.



▲ **Daniel T. Ruan, MD'00**, and his wife **Janie Ho, MD'00**, are back to San Francisco, Calif., while he completes a one-year fellowship in endocrine surgery. He has signed on to be an attending at Brigham and Women's Hospital in 2008. Ruan completed his surgery residency at Brigham and Women's Hospital. He finished her ophthalmology residency at the University of California, San Francisco and her retina surgery fellowship

at Massachusetts Eye and Ear Infirmary. They have a three-year-old son, Nolan, and are expecting a second child in October. He plans to take a one-year hiatus from private practice to spend time with their children.

Nina Athar Ali, MD'02, recently joined the staff as assistant professor at Baylor College of Medicine in the Department of OB-GYN. She and her husband Asif have two daughters, Nylah, 3, and Nadia, 1, and live in Houston.

Michael Keith Bowman, MD'02, completed his residency at the University of Alabama at Birmingham in June and went into private practice in July. He and his wife Jennifer were recently married. Their family includes his stepson Dylan, 9, and their children Aiden, 2, and Mirra, 6 months. Their “extended” family is also made up of four horses, two dogs, a cat, a parrot, and a gerbil. They live in Pike Road, Ala.

Heather J. Frederick, MD'02, HS'02-'06, will finish her pediatric anesthesiology fellowship at Duke in November. She and her husband **Erik, PhD'00**, have two young children, Alek and Erin, and live in Durham.

Anand Rohatgi, T'97, MD'02, is completing his third year of a cardiology fellowship at the University of Texas Southwest

ern in Dallas. He and his wife **Susan Matulevicius, E'98**, welcomed their first child, Dhilan, in February. The family lives in Dallas.

Jane Vy Trinh, MD'02, HS'02-'06, is now chief resident of ambulatory care in Duke's Department of Internal Medicine. She and her husband **Peter Michael Grossi, MD'02, HS-current**, live in Durham. **B. Ryan Phelps, MD'03**, is in Swaziland working for the Pediatrics AIDS Corps as part of the Baylor College of Medicine's International Pediatrics AIDS Initiative. He keeps a web log (blog) about his experiences in Swaziland and invites fellow alums to check it out at www.pediatrician-in-swaziland.blogspot.com



▲ **Brad D. Talley, MD'04**, has been elected by the faculty and residents of Harvard Medical School and Brigham and Women's Hospitals as chief resident in the Department of Radiology. In the past year he has presented on malignant pleural mesothelioma at the Radiological Society of North America, and he continues to serve as a

regional interviewer for Duke. He and his wife Robin live in Brookline, Mass. They enjoy spending weekends on Cape Cod and summer evenings at Fenway Park.

Joshua M. Unger, E'96, MD'06, a surgeon at UNC Hospitals, was recently honored with the 2007 Medical Staff Executive Committee House Officer Award. He was selected along with five other resident physicians based on his outstanding performance and compassion to patients and their families. Unger and his wife **Sarah, G'06, MD'07**, live in Durham.

1960s

George J. Ellis, III, MD, HS'63-'68, says he is enjoying retirement playing tennis and working out. He recently joined the continuing education faculty at Montreat College. He also has continued attending endocrine meetings every June and has maintained his license. In 2005 he underwent an aortic dissection and since then he says he "is living happily ever after." His wife Ursula has had several art exhibits in Boone, Raleigh, and Rocky Mount. They live in Black Mountain, N.C.

Richard S. Panush, MD, HS'67-'69, professor and chair of the Department of Medicine at Saint Barnabas Medical Center in Livingston, N.J., is president-elect of the Association of Chiefs and Chairs of Medicine. In his free time he is an active cyclist and marathon runner. His wife Rena is a lyric coloratura soprano. They have three grown children and live in Florham, N.J.

1980s

James R. Hillard, MD, HS'77-'81, has been appointed associate provost for human health affairs at Michigan State University. In this role, he is responsible for the MD College, Osteopathic Medicine (DO) College, Nursing College, and the student health service. The MD College will be developing a new campus in Grand Rapids over the next two years, while the DO College will be establishing new campuses in the Detroit area. Outside of work, he is moving into a new house and getting ready for winter.

David A. Slosky, MD, HS'76-'81, recently was appointed assistant professor of medicine at Vanderbilt University Medical Center in Nashville, Tenn. Before that he practiced cardiology for 24 years in a private setting. He and wife Anne live in Franklin, Tenn.

Mary Maitland DeLand, MD, HS'78-'82, has been inducted as a fellow in the American College of Radiology, a national nonprofit association

serving more than 32,000 radiologists, radiation oncologists, interventional radiologists, nuclear medicine physicians, and medical physicists with programs focusing on the practice of radiology and the delivery of comprehensive health care services. She is president of OncoLogics, Inc., in Lafayette, La., where she lives with her husband Karl.

Andrea R. Gravatt, MD, HS'79-'82, recently completed a fellowship in Wilderness Medicine. After 20 years in private practice pediatrics in Asheville, N.C. she took a position as an attending physician in the Emergency Department at Mary Bridge Children's Hospital in Tacoma, Wash. She also is on the teaching staff for the Department of Pediatrics at the University of Washington School of Medicine. She lives in Seattle.

1990s

Stephen P. Combs, MD, HS'92-'95, has been selected by the Wellmont Health System Board of Directors to become



the new president and CEO of Wellmont Physician Services in Gray, Tenn. It provides services at 12 hospitals in three states. Combs also will continue to serve as vice president for Medical Affairs of the health system's flagship hospital, Holston Valley Medical Center. He lives in Kingsport, Tenn.

Keith G. Ramsey, MD, HS'95-'98, the medical director of family medicine at Iberia Comprehensive Community Health Center in New Iberia, La., is the new chair-elect of the Clinical Branch of the Louisiana Primary Care Association. He and his wife Debra have two children, Marissa and Morgan, and live in New Iberia.

▲ **Magnus Gottfredsson, MD, HS'93-'99**, is currently associate professor of medicine at the University of Iceland and a consultant at National University Hospital in Reykjavik, Iceland. He is busy with research, teaching, and patient care. In April, he became the third recipient of an annual hospital award for his research and teaching. In his free time he enjoys the beautiful nature of Iceland, hiking, and skiing with his wife Elin and their two children, Alfred and Asdis. He also has taken up running again and finished last year's Boston Marathon in 2 hours, 54 minutes. The family lives in Reykjavik.

Duke Medical Alumni Association

2007-2008 Business of Medicine Sessions for current Duke house staff, fellows and students

October 25, 2007, 6pm-8pm Searle Center

Successful Job Searching and Interviewing Techniques

Joan M. Roediger, JD, LLM, Obermayer Rebmann Maxwell & Hipple, LLP
Determining the right practice setting for you, finding job opportunities, preparing your CV, and succeeding in job interviews, current employment trends.

November 29, 2007, 6pm-9pm Searle Center

Understanding Employment Agreements

Joan M. Roediger, JD, LLM, Obermayer Rebmann Maxwell & Hipple, LLP
Interpreting key terms found in employment agreements, how to structure buy-in arrangements, and strategies for negotiating.

January 24, 2008, 6pm-8pm Searle Center

Investing for Medical Professionals

Price C. French, RFC, CLU, The French Financial Firm, LLC, and David L. Huntoon, CPA, Coleman Huntoon Charamut & Brown, PLLC, CPA's
Investment tools such as Roth, tax credits, deductions, and student loan repayment plans.

February 7, 2008, 6pm-8pm Searle Center

Disability & Malpractice Insurance- What You Should Know

Michael C. Waters, CEBS, Benefits Planning Group
Your insurance needs, self protection, and costs versus coverage.

March 13, 2008, 6pm-8pm Searle Center

Understanding Medical Practice Management

Margie Satinsky, MBA, President, Satinsky Consulting, LLC
Getting Started, Managing Finances, Recruiting and Managing Staff and Outside Resources, Improving Healthcare Delivery and Clinical Outcomes, and Ensuring Compliance.

All sessions are free and include refreshments.
Register by calling Susan Thayer at 667-2537
or email at susan.thayer@duke.edu.

If you are a member of the class of 1957, 1962, 1967, 1972, 1977, 1982, 1987, 1992, 1997, 2002, or if you are a Half-Century Club member (1956 and earlier)...this is your reunion year! We invite all alumni – MD, house staff, and fellows – to join in the reunion celebration this fall.

Online Registration and Event Schedule: medalum.duke.edu

Weekend contacts

Registration: Brenda Painter, 919-667-2538, brenda.m.painter@duke.edu.

Class Events: Kevin Hirano, 919-667-2518, kevin.hirano@duke.edu.



Medical Alumni Weekend October 11-14 Come Back to DukeMed!

2007

Every Gift Counts...

With less than a month to go, be sure to send your gift today to be included in your total class gift. Remember, we will be counting right up to the reunion weekend!

Total raised as of September 6, 2007: **\$366,013**

Thanks DukeMed Alumni!

To speak with someone about your reunion gift, please contact Kate Gray, Reunion Gift Director, The Fund for DukeMed, 919-667-2519 or kate.gray@duke.edu.



John David Bridgers, Sr., MD'50, died May 12 in Murfreesboro, Tenn. He was 86. He received a bachelor's degree in 1940 from East Carolina Teachers College, now East Carolina University, and graduated from Duke University School of Medicine in 1950. From 1941 to 1946 and then again from 1950 to 1954, he served in the U.S. Navy, where he picked up the nickname "Jig." As a carrier-based aviator, he flew more than 70 combat missions during World War II and participated in four of the five major fleet engagements in the Pacific. He returned to active service during the Korean War serving as a flight surgeon with Experimental Air Group VX-3 stationed in Atlantic City, N.J. Bridgers completed his residency in pediatrics at Children's Hospital of Philadelphia and was assistant chief resident in 1955. In 1956 he joined Children's medical staff and eventually became director of the outpatient department. He also served as an instructor at the University of Pennsylvania School of Medicine. In 1962 he returned to North Carolina and joined the High Point Infant and Child Clinic, where he practiced until 1984. In 1965 he helped found the Developmental Evaluation Clinic of High Point (now part of Moses Cone Hospital) and served as its medical director. He retired from private practice in 1984 and joined the Joint Commission for the Accreditation of Hospitals. In 1988 he was named medical director of Burdette-Tomlin Hospital (now Cape May Regional Medical Center) in Cape May Courthouse, N.J., where he served until his retirement in 1994. His wife, Edith "Edie" Hamrick Bridgers, preceded him in death in 2000. Surviving are his children: Col. (ret) John D. Bridgers, Jr., Dr. Samuel L. Bridgers II, Carl H. Bridgers, Raymond S. Bridgers, Barbara Jean Bridgers-Johnson, and Holland "Holly" Bridgers Burton; nine grandchildren; two step-grandchildren; two great-grandchildren; and sister, Elizabeth Bridgers.

Banks Raleigh Cates, Jr., T'42, MD'44, of Charlotte, N.C., passed away July 22, 2007, at his home. Born March 28, 1921, in Charlotte, he attended The Citadel and

Duke University before completing his medical studies at Duke University School of Medicine. He served as a medical officer in the U.S. Navy in World War II and the Korean War. He was very active in the American Heart Association and served the community at large with charitable contributions of his medical services. Cates shared his passion for life and his love of nature with his family and friends, leading them on numerous camping, hiking, backpacking, sailing, and canoeing trips. He devoted much of his time to leading scout and church choir groups on these adventures as well. Cates put the same energy into his many hobbies, which included making flags, kites, and rope swings. He devoted much of his later years to researching and documenting the Cates family genealogy. He was an active member of Covenant Presbyterian Church where he served as clerk of session and elder emeritus. One of his most enjoyable committees was the music committee. Cates is survived by his wife of 41 years, Sandra Mauldin; brother James M. Cates of Travelers Rest, S.C.; eight children: Anne C. Buckler of Cary, N.C., **Banks R. Cates III, T'70, MD**, of Simpsonville, S.C., Thomas R. Cates of Rock Hill, S.C., Robert A. Cates of Chapel Hill, N.C., Stephen B. Cates of Roanoke, Va., **Mary C. Carlson, E'89**, of Argyle, Texas, John W. Cates of Charlotte, and Katherine C. Cisne of Charlotte. He is also survived by 14 grandchildren and five great-grandchildren. Cates was preceded in death by his first wife, Mary Jean Robinson, and his parents Banks Raleigh Cates, Sr., and Mary Louise Blakely Cates.

Jack Tempest Collins, MD, HS'57-'60, of Cleveland Heights, Ohio, died April 29 following long-time illnesses complicated by a fall. He was 79. He graduated from Cleveland Heights High School in 1946 and was honorably discharged from the U.S. Navy in 1946 and the U.S. Naval Reserve in 1956. He graduated from Ohio Wesleyan University with a pre-med degree in 1952. He earned his medical degree from Western Reserve University in 1956. Collins practiced internal medicine and cardiology at the Caylor-Nickel

Clinic in Bluffton, Ind., from 1960 to 1989. While there he was a pioneer in early cardiology interventions and procedures, such as pacemakers, intensive coronary care units, and treadmill testing. During his tenure in Bluffton, he served as chairman of the CNC Department of Cardiology and the Department of Internal Medicine. He organized a Wells County unit of the American Heart Association and later served as president of the Northeast Indiana Heart Association. He returned to Cleveland in 1989, joining the staff of the Cleveland Clinic in the Department of Preventive Medicine/Internal Medicine. A vocal advocate for proper diet and exercise, he became an avid cross-country bicyclist and took many of his vacations on bicycle tours across midwestern states. After his retirement in 1994 at the age of 65, he embarked on a solo transcontinental bicycle ride of 4,345 miles from coast to coast, beginning on the Oregon coast and ending in Rockport, Maine. Collins is survived by his wife of 53 years, Roslyn S. Collins, and children, Jean Seabury-Kolod of St. Paul, Minn., Glenn H. Collins of Cleveland Heights, and Mark Neucollins of Solon, Idaho; eight grandchildren; a brother, William H. Collins of Cleveland Heights; and a sister, Joan C. Engstrom of Mesa, Ariz.

Maurie Bertram Cree, MD'35, died in Deltaville, Va., on June 23, 2007, 15 days shy of his 102nd birthday. He was born July 8, 1905, in Littleton, N.C. He served as a Boy Scout during World War I in Newport News, Va., and assisted in welcoming ceremonies for troops returning from the war in Europe. Cree graduated in 1928 from Wake Forest College with a BS degree and earned his medical degree from Duke in 1935. He was a veteran of World War II, serving as a U.S. Army medical surgeon from 1942 to 1945, mostly in MASH hospitals in Australia, New Guinea, and the Netherland East Indies. He was honorably discharged from the U.S. Army Medical Corps as a major in December 1945 and got married that month in New York City. Cree's private medical practice included being chief of the orthopedic service

at the VA Hospital in Kecoughtan, Va. Then in 1952 he joined the founding surgical staff at Margaret Pardee Hospital in Hendersonville, N.C., where he remained until retiring in 1985. Cree is survived by his wife of 61 years, Jean; four adult children, Barbara Gray of Southport, N.C., Cynthia Cree of Virginia Beach, Va., David Cree and wife, Gretchen, of Lewisburg, W.Va., and Richard Cree of Smyrna, Ga.; six grandchildren; two great-grandchildren; and sister, Alma Cree Snowa of Richmond, Va.

Arthur David, Jr., T'51, MD'55, of Jacksonville, Fla., passed away May 28 in the Hadlo Center for Caring in Jacksonville following a long illness. He was 79. David was a Jacksonville native and a U. S. Navy Veteran of WWII. He received his medical degree from Duke University and completed his residency at Georgetown University. He retired after 38 years with the Riverside Clinic, where he once served as president. He was the first nephrologist in Jacksonville and an honorary board member of the St. Vincent's Hospital and Riverside Clinic. He also was a member of the Ponte Vedra Country Club. David is survived by his wife, Betty Barnett David, of Jacksonville; two daughters, Dr. Kristan David Podvia (Robert) of Fernandina Beach, Fla., and Tracee Perry of Jacksonville; four sons, Arthur K. David III of Alpharetta, Ga., Matthew L. David of Orlando, Fla., Dr. Roy Franklin David of Jacksonville, and Nathan W. David of Shelby, N.C.; one sister, Ruth Clever of Atlanta, Ga.; one brother, Donald David of Blairsville, Ga.; and fifteen grandchildren.

Albert W. Farley, T'44, MD'47, DC, a retired neurosurgeon, died on Father's Day in 2005 at his summer home in Point Lookout, Mich. While at Duke he and eight other classmates (**Tom Clifford, MD'47; Herman Froeb, MD'47; Henry Nicholson, T'44, MD'47; Bob McWhorter, MD'47; John McCoy, MD'47; Jack Teasley, MD'47, HS'47-'49; and Milton Weinberg, T'45, MD'47**) lived in Granny Cranny's boarding house near the Women's East Campus. After medical school Farley performed his training

at Rush-Presbyterian/St. Luke's Medical Center in Chicago, Peter Bent Brigham Hospital in Boston, and the University of Michigan before settling into practice in Saginaw, Mich. He was a member of a MASH unit during the Korean War, treating mainly patients with serious cranial injuries, and becoming known as "Fearless Farley—Have Knife, Will Travel," which he did among the various MASH Hospitals. When he retired to Florida he became a licensed contractor and rebuilt and remodeled houses. He is survived by his wife Betty, her four children and several grandchildren, and his first wife Betty and their four children.

Robert Paul Iacono, MD, HS'80-'82, '83-'84, of Rolling Hills, Calif., died on June 16, 2007. He was 55. He was raised in California on the Palos Verdes Peninsula and graduated from Miraleste High School. He received his BS and medical degrees from the University of Southern California. He completed his residency in neurosurgery at Duke. His career included brain tumor and Parkinson's research at the University of Arizona Health Sciences Center and Loma Linda University and Medical Center. In private practice at R.P. Iacono Neuroscience, Inc., Iacono performed pallidotomies and used his extensive clinical research to help patients with advanced Parkinson's disease recover successfully. During his career, he also was chief of neurosurgery at the Veterans Administration Hospital in Tucson, Ariz., and held academic appointments in neurosurgery at St. Bernardine Medical Center in San Bernardino, Calif. He was a pioneer in stereotactic surgery for Parkinson's disease and performed pallidotomies on approximately 2,000 patients. Known worldwide for his medical procedures and advancements for Parkinson's disease, his book, *Reversing Parkinson's Stress and Aging*, is expected to be published soon. He leaves behind his wife, Dr. Grace Oh; a son, Robert Hunter; a daughter, Rose; his father, Paul E. Iacono; his sister, Jeanne; a niece, Paula; and a nephew, Loyd.

Charles W. Lewis, Jr., MD'45, died in April. He is survived by his wife **Gene Har-**

low Lewis, N'45, and four sons, including **Richard, MD'77**, Alan, Loyd, and Charles.

Ralph Taylor McCauley, MD'47, died on Monday, June 4, 2007, at Danville (Va.) Regional Medical Center. He was born Feb. 6, 1922, in Mebane, N.C. An only child, he and his parents moved to West Virginia soon after his birth. McCauley entered Virginia Polytechnic Institute and State University in the fall of 1939. Near the end of his junior year in 1942, his entire class was inducted into the armed services. After basic training, McCauley was ordered to finish his senior year at Yale and then attend Duke Medical School. Due to the war emergency, medical school was in session year round, so he finished in three and a half years. He then completed an internship and residency in general surgery at the University of Minnesota, where he first met Helen, a surgical nurse. They were married May 9, 1949, and moved to the coalfield area of West Virginia, where he had a general practice for three years. Deciding to specialize in urology, McCauley resumed his training at Duke University Medical School in 1952. A short time later, he was called into the United States Air Force. The Air Force needed urologists, so he was ordered back to medical school as a first lieutenant, and McCauley agreed to serve a full four years once his training was finished. After serving two years at Wright-Patterson in Ohio and two years at Weisbaden, Germany, he moved his family to Danville in December 1959 and joined the Danville Urology Clinic. In 1967 he established Danville Urology Associates, from which he retired in 1982. McCauley is survived by his wife, Helen; two daughters, Elizabeth Burch and her husband, James, of Charlottesville and Susan Lunsford and her husband, Scott, of Mooresville, N.C.; six grandchildren and one great-grandson. He was predeceased by two sons, Hugh McCauley and William McCauley.

George F. Magee, MD'54, died June 28 at his home in Reno, Nev., of complications following a heart attack. He was 78. He graduated from the University of Nevada-Reno in 1950, Duke University School of

Medicine in 1954, and did his residency in ophthalmology at the Johns Hopkins Wilmer Eye Institute. He then served two years on the staff of the eye clinic at the U.S. Naval Hospital in St. Albans, Long Island, where he met his wife Jane, who was stationed there as a social worker with the American National Red Cross. Following his discharge in 1959 he returned to Reno to join his father's ophthalmology practice. Among the many organizations to which he belonged he was a Diplomate of the American Academy of Ophthalmology. He served on staff at St. Mary's Hospital, Washoe Medical Center, and as a consultant at the VA hospital. Magee is survived by his wife of 48 years and three daughters and their families.

John P. McGovern, MD'45, HS'48-'49, DC, a noted allergist, scholar and philanthropist, died May 31 of pneumonia at John Sealy Hospital at the University of Texas Medical Branch at Galveston, almost a week after he fell at home. He was 85. McGovern made his name as a leader in treating allergies and asthma and then became even better known for his philanthropy. The son of a surgeon, he graduated from Duke University School of Medicine in 1945. He was trained as a pediatrician and began an interest in medical research that continued to his death. He served in the Army medical corps and in 1951 began teaching, first at George Washington University Medical School in Washington, D.C., and then at Tulane Medical School in New Orleans. In 1956 he moved to Houston to join the Baylor College of Medicine faculty. By then his medical interests had expanded to treating allergies. After starting an allergy clinic for children at a New Orleans hospital, he founded the McGovern Allergy-Immunology Clinic within months of moving to Houston. He retired from the clinic in 1986 but remained as a consultant until 1991. His foundation, the John P. McGovern Foundation, valued at almost \$200 million in 2005, consumed much of his time and energy. McGovern is a former president of the Duke University Medical Alumni Association and received the association's

Distinguished Alumnus Award in 1976. Duke awarded him an honorary doctor of science degree in 1995. In the late 1990s he made gifts totaling \$6.5 million to help fund the McGovern-Davison Children's Health Center, which opened in 2000. He is survived by his wife Katherine.

Michael L. Nash, MD'71, HS'74-'77, died under the care of Spanish Oaks Hospice at Savannah Cottage on June 30. He was 60. He was born in Brooklyn, N.Y., and was raised in Far Rockaway, N.Y. He graduated pre-med with a bachelor's degree in English from the State University of New York at Stonybrook, where he met Arlene, his wife of 39 years. Nash graduated from Duke University School of Medicine in 1971 where he subsequently completed his internship in internal medicine followed by his residency and a nephrology fellowship. He served as a Captain in the Air Force from 1972 to 1974 at Patrick Air Force Base in Cocoa Beach, Fla. Nash moved to Savannah to join Medical Associates of Savannah in 1977, where he practiced Nephrology and Internal Medicine until his retirement in 2005. He was a Fellow of the American College of Physicians, a Diplomate of the American Board of Internal Medicine, and a board-certified Nephrologist. Nash was chief medical director of Fresenius Medical Care (FMC) Coastal Dialysis, FMC The Marshlands, and FMC Claxton Dialysis Center. He was a co-recipient with his wife of the 2005 Savannah Humane Society Humanitarian Award. He is survived by his wife, two daughters and sons-in-law, and four grandchildren.

Luther John Roberts, Jr., MD'42, of Columbus, Ga., died July 25. He was 91. Roberts served as a major in the U.S. Army Medical Corps. in New Caledonia and the Philippines during World War II in 1944-1945. He earned his undergraduate degree from Washington & Lee University where he was a member of the Phi Beta Kappa. He graduated from Duke University School of Medicine in 1942 and practiced general surgery and general medicine in Columbus for

40 years until his retirement in 1987. Roberts served as chief of staff for St. Francis Hospital from 1979 to 1984. After his retirement he worked for the public health department for 10 years. He was a past active member of the Muscogee County Medical Society, the Medical Association of Georgia, and the American Medical Association. Roberts was preceded in death by his wife, Wilma Wenzel Roberts. Survivors include his children, Mary Elizabeth Roberts, Bonnie Roberts Dudley, Clair Wenzel Roberts, Kathleen Truitt Roberts, and Wilma Roberts O'Connell, several grandchildren and great-grandchildren.

H. Max Schiebel, MD, HS'33-'39, of Durham died on June 4, 2007. He was born January 18, 1909, in Baltimore, Md., to Elizabeth Schmiedicki and Max Schiebel, both natives of Germany. He was educated in a two-room school in Pennsylvania and graduated from Johns Hopkins University and Johns Hopkins University School of Medicine. He completed his residency in general and thoracic surgery at Duke University Hospital in 1939, after which he entered practice in Durham. During more than 50 years practicing medicine, he was associated with Duke, Watts, Durham Regional, Lincoln, and Dorothea Dix hospitals. At one time he served as chairman of the Department of Surgery at Watts, Lincoln, and Dorothea Dix hospitals. He was instrumental in getting approval for the surgical residency program at Lincoln Hospital. For more than 50 years, he served as a surgical consultant for Blue Cross Blue Shield and was active on the local, state, and national boards of the American Cancer Society. Throughout the years, he received many honors including the Silver Torch Award International, the Distinguished Service Award from the UNC Medical Alumni Association, and Durham's City of Medicine Award. He was an avid participant in tennis, bird hunting, sailing, snow skiing, traveling, gardening, reading, and writing. Having earned his license in 1942, he was also an enthusiastic pilot. Schiebel was predeceased by three brothers, Herbert, the Reverend Robert, and Dr. Edward Schiebel; an infant

sister; his first wife, Barbara Fish Schiebel; a niece; and more than 50 of his beloved dogs. His wife, **Nancy Alyea Schiebel, WC'53**, their daughter Elizabeth Albright, T'92, and her husband, Andrew, three nephews, and two nieces survive him.

Norman J. Silver, T'46, MD'48, a retired orthopedic surgeon in New Rochelle, N.Y., died in December 2006. He was 80. Silver was a captain in the U.S. Army Medical Corps from 1955 to 1957. He served as president of the New Rochelle Hospital Medical Board from 1983 to 1984 and was a former chief of orthopedics. He is survived by Marcia, his wife of 58 years, three children—Nancy, Jacob, and Thomas—and six grandchildren.

Howard Paul Steiger, T'37, MD'40, DC, of Pawley's Island, S.C., passed away on June 23, 2007. Born November 2, 1915, in Williamsport, Pa., he did his college studies at Bucknell, Tulane, and Duke universities. He entered Duke medical school in 1936 and graduated in December 1939. He was an exchange student at St. Bartholomew's Hospital in London in the summer of 1939 and interned at Georgia Baptist Hospital in Atlanta and the U.S. Marine Hospital in New Orleans. He left the service in July 1941 to begin a residency in dermatology at the University of Pennsylvania in Philadelphia but was recalled to the United States

Public Health Service (USPHS) in 1942 and discharged in 1945 as a lieutenant commander. In July 1945 Steiger began a private dermatology practice in Charlotte. He played flute and piccolo for many years in the Shrine Band, Charlotte Comrade German Band, and the Sunday School orchestra of the First Methodist Church in Charlotte. He served on the Charlotte and the N.C. boards of health, was president of the Mecklenburg Cancer Society and the Charlotte Exchange Club, and was a member of the Charlotte German American Club. He was an emeritus member of the Mecklenburg County Medical Society, the Georgetown County Medical Society, and the American Academy of Dermatology. He was predeceased by his wife of 64 years, Elizabeth Butler Steiger. He is survived by daughters Helen Kellicut of Deer Lodge, Mont., Louise and husband William Wannamaker Heizer of Greenville, S.C., Edith and husband John Seaman of Seattle, Wash., and son H. Paul Steiger and wife Dia of Charlotte, N.C.; seven grandchildren and eight great-grandchildren.

Kshetrabasi Tripathy MD, HS'58-'59, of New Orleans, La., passed away on July 17, 2007. He was a 1954 graduate of Calcutta Medical College and completed his residency and fellowship at the University of Pittsburgh and Duke University. He established a research program in nutrition in Cali, Colombia, before returning to New Orleans, where

he served on the faculties of Tulane University and Louisiana State University medical schools. He maintained a clinical practice at Touro Infirmary and remained active in teaching. Tripathy is survived by his wife Krishna Misra Tripathy; his children, Rina Jordan, Ina Barlow, Debu Tripathy, Ita Tripathy, and Vic Tripathy; and nine grandchildren. He is also survived by many siblings, nieces, and nephews.

Heinrich Werner, MD, HS'86-'89, died July 15, 2007, at his home in Lexington, Ky. He was 49. A national and international leader in pediatric intensive care medicine, he was vice chair of the Department of Pediatrics at the University of Kentucky and medical director of the Kentucky Children's Hospital. He spent many years as chief of the Kentucky Children's Hospital Pediatric Intensive Care Unit and was a leader in the UK Healthcare Enterprise. Born in Kassel, Germany, Werner attended medical school in Mainz, Germany, and at the University of California, Los Angeles. He was a pediatric resident at Duke and completed his fellowship in critical care medicine at the British Columbia Children's Hospital in Vancouver. He was an attending physician at the German Heart Institute in Berlin before moving to Lexington. Werner is survived by his wife Nancy; his sons, Karl, Thomas, and Martin; his father Erich; and brother Reinhard.



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