The Drs. Woodruff of Barre

100 Years of Caring for Their Community

ALSO FEATURED:

Kenneth Mann: pioneering researcher

UVM’s Skull Base Laboratory

The UVM Medical Alumni Association invites you and your family to plan now to join your classmates for Reunion 2011 — June 10–12, 2011. Come back to Burlington and the UVM campus, your home during medical school. You may have lost contact with your classmates and former teachers, but Reunion will give you the chance to reconnect, rekindle old friendships, check out favorite places, talk with faculty, meet the medical students of today, and experience first-hand the growth and evolution of your medical alma mater.

EVENTS INCLUDE: Medical Education Today Session, Tours of the College, including the Medical Education Center and new Courtyard Building, Alumni Awards and Reception, Medical Alumni Picnic, Nostalgia Hour, Class Receptions

For more information, call the UVM Medical Development & Alumni Relations Office at (802) 856-4014 or email med.alumni.relations@uvm.edu

SPRING 2011

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Also this spring, I was pleased to help formally open the new Clinical Sciences, and Fletcher Allen Health Care that, along with key funding from the Simulation Laboratory. When I came to Vermont nearly four years ago, I identified residency programs as a simulation laboratory as a key priority for the College of Medicine, and a vital resource for many other entities around the academic medical center and, indeed, it did for our seniors on St. Patrick’s Day, yet another great match for Vermont.

After what even Vermont natives have called a long, hard winter it’s been heartening to see the signs of spring return to the Green Mountains. One of the dependable signs of the season at the College of Medicine is the arrival of Match Day — the annual event during which our senior medical students, along with their counterparts at all the medical schools around the nation, learn which residency program they will move on to after graduation.

This year we tried something different for our Match Day ritual. In the past, students have crowded around the Given Building mallroom to open their envelopes. But this year, senior medical students and staff at the College worked to put together a more meaningful event. On St. Patrick’s Day, at noon, the match envelopes were delivered to a stage in the Hoehl Gallery, and the seniors had the chance to open and announce their matches to the hundreds of fellow students, family members, faculty, and staff who had gathered there. Most students chose to do so, and I truly admired their spirit in taking the leap of faith and publicly sharing this big moment in their lives. As you’ll see in the full match list in this issue, that faith is matched by the esteem our College has gained from a wide range of top residency programs.

Also this spring, I was pleased to help formally open the new Clinical Simulation Laboratory. When I came to Vermont nearly four years ago, I identified a simulation laboratory as a key priority for the College of Medicine, and a vital resource for many other entities around the academic medical center and, indeed, throughout the state. I’m happy that three years of hard work by many people has paid off.

It takes practice to perfect clinical skills — from drawing blood to inserting intravenous lines to working as part of a trauma team. Now, thanks to a collaborative, interdisciplinary project of the College of Medicine and College of Nursing and Health Sciences, and Fletcher Allen Health Care, vital experience can be obtained in a non-patient care setting in UVM’s new Clinical Simulation Laboratory.

UVM President Daniel Mark Fogel, Ph.D., and Fletcher Allen President and CEO Melinda L. Estes, M.D., helped usher in a new era in health care professional clinical education March 2 as they, along with UVM College of Medicine and College of Nursing and Health Sciences leaders, students, faculty and staff, opened the Clinical Simulation Laboratory in the Rowell Building. The Simulation Lab’s 9,000 square feet of recently renovated space will serve all levels of learners, including medical students, nursing and physical therapy students, medical residents, physicians and nurses across the region, community EMTs and Vermont National Guard members.

Features include adult and child mannequins simulators that demonstrate physical responses; six in-patient hospital rooms, each equipped with video cameras for recording and communicating; a multipurpose room that can function as a simulated Operating Room, Emergency Room or Intensive Care Unit; and a professional skills/take training lab.

At a cost of just over $4 million, the lab was supported by a generous gift from the late Thomas Sullivan, M.D., a UVM/Fletcher Allen medical alumnus from Etna, N.H., along with a $1.75 million federal grant secured by U.S. Senator Patrick Leahy.

Fogel to Step Down in 2012

University of Vermont President Daniel Mark Fogel has announced that he will step down in 2012. President Fogel has exercised remarkable vision and leadership during the past decade at the helm of the University, and we at the College wish him well as he begins his transition. We look ahead to the building of a closer partnership among the Colleges of Medicine and Nursing and Health Sciences, and Fletcher Allen Health Care that, along with key funding from the late Thomas Sullivan, M.D.’s philanthropy, has set the stage for an advanced simulation center.

It has been my great good fortune to be a part of Vermont’s extraordinary university, and Rachel and I plan to return to the Green Mountains. One of the dependable signs of the season at the College of Medicine is the arrival of Match Day — the annual event during which our senior medical students, along with their counterparts at all the medical schools around the nation, learn which residency program they will move on to after graduation.

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Fogel made his announcement in a letter to the university community, distributed to all faculty, staff and students. “It has been my great good fortune to be a part of Vermont’s extraordinary university, and Rachel and I plan to continue to be a part of this exceptional community for years to come,” Fogel wrote in the letter. “In my first statement as UVM’s President-elect, in January of 2002, I said that service as president of the University of Vermont seemed to me to be the opportunity of a lifetime. A little more than nine years later, I feel that more than ever.”

Board of Trustees Chair Robert F. Cioffi said he and board members are very thankful for President Fogel’s vision and strong leadership over the past decade. A presidential search committee has been appointed and the national search for UVM’s next leader began in May.
The “Next Chapter” Revealed: Match Day 2011

After four rigorous years of medical school and multiple interviews, medical students surrender the fate of their career to a highly sophisticated computerized system. While the suspense can be maddening, that’s how Match Day — an annual event involving roughly 16,000 medical students across the country — works. Graduating students at traditional U.S. medical schools are impartially matched via the National Resident Matching Program (NRMP), a service that provides the mechanism for matching applicants to programs according to the preferences expressed by both parties on their individualized rank order lists. According to the NRMP, the 2011 Main Residency Match was the largest in its history, with more than 26,000 positions filled through the program. It was also the largest match ever for the College, as 109 members of the College of Medicine’s Class of 2011 learned where they would complete their residencies.

Whether in public or in private, the Match Day envelope-opening process is a moment of great anticipation. Whether in public or in private, the Match Day envelope-opening process is a moment of great anticipation. While that experience remained, the College rolled out a new setting for Match results this year. Instead of the narrow hallways of the Given Building mailroom, this year’s event took place on a stage in the spacious Hoehl Gallery and featured a host of fun activities for students, faculty, family and friends to enjoy. One of the speakers, Chase Petersen ’11, pointed out the similarity between the students’ Match Day nervousness, and the condition of many of their future patients: “Most of us, in the rest of our career, will have frequent if not daily opportunities to share news with people — news that could elate or shake them to their very core...These brave people sit there, and they take it. We’re going out to serve these people, and I think it is an incredibly poetic opportunity for us to have that emotion, to share that with them, to stand in our patients’ shoes as we make this transition from medical students to doctors.”

Residency Matches for the College of Medicine Class of 2011

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<th>ANESTHESIOLOGY</th>
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NOTE: For two-part residencies, the final location is listed here. * = M.D./Ph.D. graduates

December 2011
Weaver’s NEJM Study Ends Decades-Old Cancer Prognosis Controversy

A six-decades-long controversy, first initiated following the publication of a 1948 breast cancer study, has now come to a close based on findings published by Professor of Pathology Donald Weaver, M.D.’84 in the New England Journal of Medicine (NEJM) in February. The controversy — whether or not pathologists should look deeper than the standard examination of patients’ tissue samples to find hidden cancers — followed a report that routine analysis of lymph nodes in breast cancer patients did not go far enough to detect all cancer present.

More than sixty years later, the largest study ever undertaken on the issue now proves that analysis of sentinel lymph node tissue for occult micrometastases — tiny tumors sometimes found deep within tissue initially evaluated as cancer-free — has minimal effect on the prognosis of breast cancer recurrence or to overall survival rates.

The NEJM article reported on a randomized study conducted as part of the National Surgical Adjuvant Breast and Bowel Project (NSABP) Trial B-32, led by S.D. Ireland, undertaken on the issue now proves that analysis of sentinel lymph node biopsy achieves the same cancer survival and recurrence control as traditional full lymph node removal surgery in patients whose initial sentinel node biopsy tested negative for cancer.

“The take-home message for women is that the micrometastases are so small, they have very little impact on outcome — only 1.2 percent at five years,” says Weaver.

“Pathologists shouldn’t continue to look for micrometastases when the initial evaluation is negative and oncologists shouldn’t treat patients any differently or change therapy conclusively based on micrometastases,”

Weaver received more than $1 million in National Cancer Institute funding to examine this issue in participants of the NSABP B-32 sentinel node trial. In addition to Weaver and Krag, co-authors on the study include UVM researchers Takamari Ashikaga, Ph.D., Seth P. Harlon, M.D., and Joan M. Skelly, M.S. The study was funded by the Public Health Service of the National Cancer Institute and the Vermont Cancer Center.

Medical Students Gain Valuable Insight into Nurses’ Critical Role

By 4 p.m. in the inpatient units at Fletcher Allen Health Care, d ay shift nurses have reported to the night shift nurses, and physician rounds and clinic hours are over or winding down. And, starting this semester, first-year medical students are shadowing these busy caregivers to learn about their role in health care, and how clear and consistent communication between physicians and nurses can ensure better patient outcomes and reduce errors.

Nurse shadowing and discussions of medical teams are parts of first-year medical curriculum, in the Professionalism, Communication and Reflection (PCR) course. “We want our students to be doctors who collaborate well with nurses, admire nursing and have immense respect for nursing and how it holds everything together,” says Lee Rosen, Ph.D., PCR course director. Rosen says there is an opportunity for first-year students to see the big picture at this early stage of their careers.

“It gets them out of the books and into the hospital where they can see patient care through the eyes of nurses,” says Rosen. “You can’t teach that didactically”

Class of 2013 Presents Foundations Awards

The College of Medicine of Class of 2013 celebrated their completion of the Foundations of the Vermont Integrated Curriculum (VIC) in January. Awards presented by the students at the event included: Outstanding Foundations Course: Cardiovascular, Respiratory and Renal Systems. Foundations Course Director Award: William Hopkins, M.D., associate professor of medicine and course director. Cardiovascular, Respiratory and Renal Systems. Foundations Teaching Assistant Award: Ethan Black, M.D., assistant in general medicine and neurobiology. The Dean Worship Award: Richard Salerno, M.D., assistant professor of pediatrics. The Slifer Stroehlcope Award: Nicholas Hardin, M.D., professor emeritus of pathology. Abuse and Beyond Award: Ellen Black, Ph.D., lecturer in anatomy and neurobiology. Best Support Staff (Non-teaching): Aaron Hurwitz, VIC coordinator. Outstanding Teaching Assistant Award: Jeffrey Maclean, M.D. TIG American Medical Student Association Golden Apple Award for Excellence in Teaching: Joan Saliva, M.D., lecturer in anatomy and neurobiology. American Medical Women’s Association Gender Equity Award: Diane Jaworski, Ph.D., associate professor of anatomy and neurobiology. Wellness Award: Alyse Tadevosyan, Class of 2013.
They have worked as teams in the anatomy lab, reflected on respect and culture, discussed professionalism, caring and responsibility, shadowed nurses in the hospital and weathered rigorous coursework and exams. To mark the milestone of their accomplishments during the first six months of medical school, and symbolically confirm their commitment to professionalism and respectful patient care, the 114 members of the College’s Class of 2014 received their first doctors’ coats during the White Coat Ceremony on February 18 in the Ira Allen Chapel.

In addition to welcome remarks from Dean Rick Morin, William Jeffries, Ph.D., senior associate dean for medical education, and Barbara Grant, M.D., professor of medicine and hematologist/oncologist at Fletcher Allen Health Care, attendees at the event heard a keynote presentation by James Hudziak, M.D., professor of psychiatry, medicine and pediatrics, Thomas M. Achenbach Chair in Developmental Psychology, and director of the Vermont Center for Children, Youth and Families.

As Hudziak noted in his address, the white coat was adapted from the outer garment of laboratory scientists and slowly adopted by physicians in the late 19th and early 20th centuries. Initiated in 1993 at Columbia University College of Physicians and Surgeons, the annual white coat ceremony or a similar one now takes place at about 90 percent of schools of medicine and osteopathy in the United States.

VM: How would you characterize the incoming medical students over the last few years? Have things changed since you were a student here at the College?

JG: Our students continue to demonstrate the qualities that lead to success, in medical school, and in their careers as physicians: excellent academic preparation, good communication skills, motivation and self-discipline, integrity and respect, compassion, caring and curiosity. Adding to the richness of our experience is the increasing diversity of our student body. Our students come from all walks of life, from a broad range of colleges and majors, and bring a wide variety of work and life experience when they arrive on campus. Nearly all of our students have experience in health-related activities, and there’s growing interest in international medical experiences. Also, they’re increasingly bright. With an average GPA of 3.66, the Class of 2014’s collective academic standing is among the best entering medical school applicants. They’ve also worked as teams in the anatomy lab, reflected on respect and culture, discussed professionalism, caring and responsibility, shadowed nurses in the hospital and weathered rigorous coursework and exams. To mark the milestone of their accomplishments during the first six months of medical school, and symbolically confirm their commitment to professionalism and respectful patient care, the 114 members of the College’s Class of 2014 received their first doctors’ coats during the White Coat Ceremony on February 18 in the Ira Allen Chapel.

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VM: What does Admissions look for in assessing a medical school applicant?

JG: I’ve been associate dean of Admissions for five years and served on the Admissions committee for four years prior to that, and what I can say for certain is there is no single path that leads to medical school, acceptance and a successful career as a physician. While undergraduate GPAs and Medical College Admission Test scores are important, we look beyond these numeric measures for humanistic qualities and attributes. These are more difficult to measure quantitatively and that’s why we so value the 40 members of our Admissions Committee, and our admissions staff, who take on this assessment. This broader approach of looking at all of an applicant’s experiences has become a trend nationally — “holistic admissions” is the new catchphrase — but we’ve been doing it all along. Students must have a high level of academic excellence, but that alone is not enough. Schools are looking for applicants who can show that they are curious about the world, mature, empathetic, honest, and that they possess integrity, are hardworking, interested in lifelong learning and passionate about medicine.

VM: How does the College of Medicine uniquely prepare students to become physicians in today’s challenging world?

JG: With the continuing explosion in medical and scientific knowledge, it would be impossible to memorize today everything needed to be a competent caring physician tomorrow. So it is more important than ever that our students actively embrace becoming lifelong learners. Early clinical exposure is a hallmark of our curriculum, including hands-on coursework in our new Clinical Simulation Laboratory, and clinical clerkship rotations in Vermont and at three other teaching sites in the East. Our students need to be strong leaders, good listeners and champions for their patients, which is the focus of the first-year Professionalism, Communication and Reflection course. Second-year students then do a Public Health Project that teaches the importance of communities, advocacy and the complicated health care issues. Fourth-year students take on a teaching or scholarly project, contributing to the education and research missions of our school and also expanding their understanding of the critical connection between those missions and the one of caring for patients.
Study Published in Nature Links Hormone to Post-Traumatic Stress Disorder in Women

Each year, more than five million Americans suffer from post-traumatic stress disorder, or PTSD. Following terrible experiences, such as rape, combat or disaster, PTSD can result in flashbacks, panic attacks and many other symptoms. But many trauma victims do not develop PTSD, and doctors do not have a biological test that they can rely on to diagnose who has the disorder—or to predict who is likely to get it. Now, a team of researchers from UVM and the Emory University School of Medicine have found that, in women, abnormal blood levels of a hormone called PACAP that is produced in response to stress are strongly linked to post-traumatic stress disorder. Their study holds promise for developing blood and genetic tests that can identify those who have PTSD.

“This study gives us tools to predict whether a patient is going to be susceptible to PTSD,” says UVM’s Victor May, Ph.D., professor of anatomy and neurobiology, one of the leaders of the study. The work might also eventually aid in developing treatments for the disorder and other anxiety diseases.

The results were published in the February 24 issue of the journal Nature. PACAP (pituitary adenylate cyclase-activating polypeptide), is known to act throughout the body of many animals, modulating central nervous system activity, metabolism, blood pressure, pain sensitivity and immune function. But the role of PACAP in the neurobiology of human fear and anxiety is little understood.

The new research shows that women, but not men, with high blood levels of PACAP display more of the symptoms of PTSD, such as difficulty discriminating between fear and safety signals and being easier to startle.

Gates Foundation Funds Researchers, Study of Oral Vaccine Failure in Developing Countries

Oral vaccines for paralytic polio and life-threatening rotavirus have been a miracle of modern medicine for millions of children around the globe. Yet, these vaccines aren’t always protecting thousands of children in poor and less developed countries—and scientists don’t know why.

One key to solving this challenge lies in understanding what is different in the biological makeup of children whose bodies reject vaccine protection. Thanks to a $14.7 million grant from the Bill & Melinda Gates Foundation, scientists at UVM and the University of Virginia now have the opportunity to investigate why oral vaccines fail in the very children who need them the most. The PROVIDE (PROVidence of Rotavirus and Oral Polio Vaccines in Developing countries) study is co-led by Beth Kirkpatrick, M.D., associate professor of medicine at the College of Medicine, and William A. Petri, Jr., M.D., M.P.H., Professor of medicine at the UVA School of Medicine. Nearly 1000 infants will be enrolled in this study in the first month of life. 700 children at the International Centre for Diarrheal Disease Research in Dhaka, Bangladesh, and 300 children at the National Institute of Cholera and Enteric Diseases in Kolkata, India. “These populations of children do respond to injected vaccines, so why — from an immunobiological perspective — oral vaccines do not work is critical,” says Kirkpatrick. The UVM team has two roles in the study: managing logistics and operations and the development of lab assays to help measure whether or not children in the study have an immune response to vaccination.

TOTH Examines Impact of Heart Failure on Skeletal Muscle

Nearly six million people in the U.S. are reported to have heart failure, which occurs when the heart is unable to pump an adequate amount of blood to meet the energy demands of the body. Cardiovascular researcher Michael Toth, Ph.D., associate professor of medicine, has long sought to determine the source of this heart muscle weakness. Toth, in collaboration with a broad group of basic science and clinical research investigators at UVM, compared muscle from heart failure patients to “controls”—people without heart failure—who were of a similar age and activity level. Heart failure patients had 20 percent less of a critical muscle contractile protein called myosin than the study controls. But another muscle contractile protein called actin, which works with myosin to make muscles perform, does not decrease in this population.

Toth published these initial findings in 2009. Toth and his colleagues have published several papers since that original finding, substantiating their earlier results and evaluating the effects of myosin loss on muscle function loss, including a paper in Circulation: Heart Failure in late 2009 and a paper in the October 2010 Journal of Physiology.

High School Students Show Their Smarts at Brain Bee

Teenage brains were brimming with neuroscientific knowledge this February at the 2nd Annual Vermont Regional Brain Bee at the College of Medicine. The event was developed by Diane Jaworski, Ph.D., associate professor of anatomy and neurobiology, and coordinated by Middlebury brain injury survivor Lisa Bernardin, with support from Holly Stradecki, research technician in anatomy and neurobiology. Rae Nishi, Ph.D., professor of anatomy and neurobiology and director of the Neurosciences Graduate Program, and Anthony Mostelli, Ph.D., associate professor of pharmacology and president of the Vermont Chapter of the Society for Neuroscience.

The Vermont Brain Bee is one of the outreach activities for undergraduate and graduate students encouraged by the UVM Neuroscience, Behavior and Health Transdisciplinary Research Initiative.

Student Projects Provide Answers for Public Health Issues

Officials at the Vermont Department of Health are eager to better understand the obstacles preventing optimal immunization rates, so Immunization Program Chief Christine Finley worked with a group of UVM second-year medical students to develop and conduct a survey to determine why the percentage of fully vaccinated children has fallen in the state in recent years.

The childhood immunization group was one of 16 groups of medical students from the Class of 2013 that addressed important public health issues in the region.

“Developing a small survey to evaluate a larger public health concern, and seeing how much of an impact your work can have is a unique experience for medical students,” says group leader Christine Finley. “I am very glad that I was able to be part of the challenges and accomplishments that the project group faced.”

The results of the survey were published in the February issue of the journal Nature Medicine. Nearly 1000 infants will be enrolled in this study in the first month of life. 700 children at the International Centre for Diarrheal Disease Research in Dhaka, Bangladesh, and 300 children at the National Institute of Cholera and Enteric Diseases in Kolkata, India. “These populations of children do respond to injected vaccines, so why — from an immunobiological perspective — oral vaccines do not work is critical,” says Kirkpatrick. The UVM team has two roles in the study: managing logistics and operations and the development of lab assays to help measure whether or not children in the study have an immune response to vaccination.

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Rabinowitz Tele-psychiatry Project Helps Rural Vermont Vets

Access to health care services can be challenging for rural Vermonters, including those who are veterans of the Iraq and Afghanistan wars. But thanks to telemedicine — a technology that facilitates the electronic transfer of medical information — they can get the care they need regardless of proximity to a hospital or doctor’s office. A new pilot research project, conducted by Terry Rabinowitz, M.D., professor of psychiatry and family medicine and medical director of telemedicine at Fletcher Allen Health Care, and his collaborators at Weil Cornell Medical College, will test the effectiveness of using a tele-psychiatry approach to treat rural based veterans in Vermont for Post-Traumatic Stress Disorder. The study, which utilizes two-way videoconferencing technology, is supported by a two-year grant from Weil Cornell Medical College’s Clinical Translational Science Center.
Steven Woodruff, M.D. ’73, sits in his office at the Central Vermont Medical Center in Berlin and carefully sorts through a stack of faded newspaper clippings commemorating the achievements of his grandfather and father — both medical doctors with strong ties to the University of Vermont College of Medicine. Sept. 20, 2010, marked the hundredth anniversary of the day in 1910 when his grandfather first hung out his shingle on Barre’s South Main Street, beginning an unbroken century of medical care by the three Woodruff doctors to the Barre area and, in fact, to much of central Vermont. The most recent clipping in Steven Woodruff’s hands, from the Barre Times-Argus, celebrates this milestone.

“So many people noticed this,” Steven Woodruff says of the newspaper story. An obstetrician, gynecologist, surgeon, and specialist in women’s health care who lives in Barre town, he was already used to attention. He is often stopped on the street or at the hospital by women whose babies he delivered or who he has cared for. Now, he’s stopped by some citizens who remember all three generations of the family’s doctors — and many who were cared for by more than one of them.

“You can’t be from Barre, Vermont, and not know of the Woodruff family,” says Barre Mayor Thom Lauzon. “Medicine is a very demanding profession, and it takes a special kind of family not only to continue that tradition, but also to maintain such a commitment to their patients.” In addition, he says, “through the medical societies the Woodruffs were involved in, their reputation expands throughout New England. It’s quite a legacy.”

Since the autumn of 1910, there’s never been a day when a Dr. Woodruff hasn’t been caring for patients in Vermont’s Granite City and its environs.
The story begins in 1910 with John Woodruff, M.D., who, like his grandson, specialized in obstetrics and gynecology. After opening his first office that fall, he soon moved to the first floor of a Victorian-era house at 13 East Street in Barre; the family lived on the second and third floors. Years later, his son, Frank Woodruff, M.D. ’43, had his practice there, too. The father and son sometimes even worked as a team — in one instance, John Woodruff performed a Cae
sarian section and Frank Woodruff, an internist and surgeon, administered the anesthesia.

Fueled by its busy granite industry (30 percent of the granite used in the nation in 1910 came from Barre) the city’s population had nearly doubled in the two decades prior to the start of John Woodruff’s practice. His patients came from what was at that time the most ethnically diverse town in Vermont, with large numbers of new residents from Italy, Greece, Scandinavia, and Lebanon.

John Woodruff also performed many general surgeries in addition to his work delivering babies. “My grandfather was a specialist before there were specialties,” Steven Woodruff says with pride. “He pioneered a number of surgical procedures.” John Woodruff performed one of the first blood transfusions in Vermont, placing the husband in a chair and his wife on the floor, letting the force of gravity transport the blood through a tube. He repaired a hip fracture with a horse nail, and drained a patient’s pleural cavity to cure her pneumonia in 1915.

“He had a big ego, but a big talent to back it up,” Steven Woodruff says. “The first time he did a radical operation on a patient with breast cancer, a colleague remarked, ‘Doctor, you have killed that woman.’ The patient survived.” This was back in the days when, as John Woodruff recalled in a letter, “Cancer was something to be concealed, and was thought of as an almost hopeless disease.”

A colorful man who, according to Steven, “loved to make the nurses blush,” John Woodruff also had a sense of humor that bordered on the ribald. He retired in 1964 but remained active in the Vermont Division of the American Cancer Society, of which he was a local founder and former president, and the Vermont Tuberculosis and Health Association. His practice was always a busy one; indeed, as long as there was a telephone near, he was always on call. For his vacations, he went fishing in Canada. “Otherwise,” says Steven Woodruff, “people were always knocking on his door.”

Life for John Woodruff came full circle, as things often do. He and his wife spent their last years at a retirement home that had once functioned as Barre City Hospital, where he had practiced for years. He died in 1989.

Medicine is a very demanding profession, and it takes a special kind of family not only to continue that tradition, but also to maintain such a commitment to their patients.

—Thom Lauzon, Mayor of Barre, VT.
During his residency in Burlington, Frank Woodruff and family lived for a while at Fort Ethan Allen in Winookski in a row of houses that, says Steven Woodruff, "was aptly called Pregnancy Row." In 1969, Frank Woodruff became the first doctor in Vermont to use a defibrillator; he also was the first local physician to install a pacemaker. He ran the tuberosis sanatorium in Barre, an area that was hard by pulmonary disease from the dusty granite sheds and quarries. In one of his letters, he recalls the days when, "You had to cut someone open to see if they had cancer, long before we had CAT scans and ultrasounds." He once told an interviewer, "Medicine has been good to me. There’s been so much progress…a sudden surge, an explosion of technology and other medical advances." He transferred from surgery to the CVMC emergency room in 1980 and worked there until his retirement in 1985. But he continued to work part-time as a physician for Disabilities Determination Services, a job he had held previously for 25 years, until his death in 1996.

Steven Woodruff has fond memories of growing up on Tremont Street, just a few blocks away from his grandparents’ home. He is one of nine children, and the only one who became a physician.

Contrary to what people might think, he was never pressured to go into medicine. "My family never expressed that expectation," he says. He was an English major at Boston College before medical school. "My years in medical school were good years but hard years," he recalls. He did his residency at St. Joseph Mercy Hospital in Michigan, but when the chance came to return to Vermont to practice, he says he "jumped at the opportunity." Ob/Gyn was one of his first rotations, and he says he liked the combination of primary care and specialty care and treating women from their childbearing years into post-menopause. He has served in various leadership capacities at the CVMC, including Chief of Obstetrics/Gynecology from 1982 to 1986, Chair of the Department of Surgery from 2006 to 2008, and was on the Medical Executive Committee from 2006 to 2008.

A modest, affable man who seems more like his father than his grandfather in manner, "is great at putting patients at ease," says Carol Washburn, R.N., who has worked in Steven Woodruff’s office for 21 years. "He’s calm and easygoing, and I’ve never seen him get angry," she notes, adding that "if only he made house calls, he’d be just like the old-fashioned doctors of his grandfather’s time. He gives each patient the time she needs." Washburn, who grew up in Williamstown, Vt., and also knows the Woodruff family, says she still gets calls from Frank Woodruff’s former patients asking for "Little Stevie Woodruff.”

With retirement coming into view in a few years, Steven Woodruff represents the end of an era. Some day several years from now, there will be no more Doctors Woodruff to serve Barre and Central Vermont, a community of more than 66,000 people. One of his daughters is now in nursing school and plans to work in another community, and his other daughter is a veterinarian at an equine clinic in Kentucky.

"The community appreciates all the years of dedication the Woodruff doctors gave us," says Danica Mason, who was CEO of Central Vermont Medical Center until her retirement in 2007. "Dedicating one’s life to medicine is a daunting task, and their personal service and sacrifice are very much appreciated.”

All three Woodruff doctors married nurses and, as Steven Woodruff describes, “the family was blessed with strong women.” His great-grandmother, Ellen Hamilton, was one of the first two women elected to Phi Beta Kappa at UVM in 1871–2 (UVM was the first to allow women into the society). His grandmother was a horsewoman, “the first to wear pants and refuse to ride sidesaddle,” Steven Woodruff says adding that “she also kept three boys and a husband in line.” His mother never worked as a nurse but raised nine children and ran the home. "My father kept office hours three evenings a week and on Saturdays, so he wasn’t at home much.”

Steven Woodruff met his wife, Monica, while in medical school, and she worked part-time in his office for many years. Like his grandmother and his mother, Steven’s wife is also passionate about horses.

So as the time draws closer for Steven Woodruff to retire, chances are the people who stop him on the street will not only be offering him thanks but also some fond farewells.

“Central Vermont has been blessed to have three generations of Woodruff physicians take care of our community over the past 100 years,” says Judy Tarr, current CEO of CVMC. “Dr. Steven Woodruff has been responsible for welcoming hundreds of healthy newborns to our community over 34 years. He and his father and grandfather have provided high quality, compassionate care to the residents of Central Vermont for an entire century and we at CVMC are very grateful for the Woodruff family’s dedication and commitment to our community.”

All in all, a pretty impressive legacy. ☝️

Above left: Steven Woodruff, M.D. ’77, meeting with U.S. Senator Jim Jeffords in the early 1990s. Above right: Dr. Woodruff at his practice at Central Vermont Medical Center. At right, the house at 13 East Street in Barre that housed the Woodruff practice for decades.

A Passion for Medicine IT RUNS IN THE FAMILY

While the century-long record of physicians John, Frank, and Steven Woodruff in service to one distinct community distinguishes them, there are many Vermont families who have seen three or more generations receive their medical degrees from the College of Medicine.

The twins have produced multiple generations of graduates from the College, all of whom have served here at Fletcher Allen Health Care and at the most recent graduate is Brian Irwin, M.D. ’05, assistant professor of surgery at the College and a member of the Division of Urology. His father, Professor of Surgery Emeritus Alan Irwin, M.D. ’71, continues to practice ophthalmology at Fletcher Allen Health Care. Alan’s father, Edward Irwin, graduated in 1955 and is a retired ophthalmologist and Clinical Professor at the UVM College of Medicine.

Several generations of the Terrien family received degrees from the College. Christopher M. Terrien Sr., graduated in 1936. His sons, Christopher Jr., Timothy, and Edward received their M.D.s in 1968, ’81, and ’89, respectively. The younger Christopher Terrien’s daughter, Paige Terrien Church, now an assistant professor of pediatrics at the University of Vermont, graduated from the College in 1999, and his son Christopher Terrien II, M.D. ’01, is a cardiac surgeon in Albany, N.Y.

The Bove family’s connections to UVM and the medical profession are also longstanding and deep. Ernest Bove, M.D. ’31 is a Rutland urologist. His father, Edward, was a 1946 graduate of the College and a Rutland area practitioner in obstetrics and gynecology for 28 years. Ernest’s daughter, Erica Bove Mahany, received her M.D. from the College in 2009, and is now a resident in obstetrics and gynecology at Columbia University Medical Center in New York.

The Alpert family also has seen three generations through the College — Sidney Alpert, M.D. ’40, Jeffrey R. Alpert, M.D. ’72, and Jeffrey B. Alpert, M.D. ’94, who is now an assistant professor of radiology at SUNY Downstate Medical Center in Brooklyn, N.Y.

The Vargas family, rooted in Vermont, also has multiple sibling alumni. Three Vargas sisters — Sara, Hannah, and Alison — received their M.D.s from the College in 1994, 1996, and 2000, respectively. Sara is a pediatric pathologist at Boston Children’s Hospital and an Assistant Professor at Harvard Medical School. Hannah is a Kansas head-and-neck surgeon, and Alison is an anesthesiologist in Boston, Mass. Their father, Joseph H. Vargas III, M.D., an orthopaedic surgeon, graduated in 1965, and a grandfather of theirs, Alan O. Godfrey, received his UVM M.D. in 1927.
On a warm day in late spring, Kenneth Mann, Ph.D., sits at his desk at the University of Vermont’s Colchester Research Facility, poring over a paper written by one of his postdoctoral fellows. A self-described taskmaster — the manuscript he’s working on is filled with his handwritten marks and comments — Mann has counseled and supported a cadre of talented scientists who today are leaders in the field of blood coagulation. Working with fellows and post-docs and watching them evolve is one of the most enjoyable aspects of his work.

That work has spanned more than four decades, including 20 years as chair of the Department of Biochemistry at UVM, during which time Mann established himself as a pioneer in the field of blood coagulation. With nearly 500 published papers, more than 20 patents and 37 awards and honors (including two of the most prestigious in his field — the Chaigneau Prize from the Association Française des Hémophiles and the Pioneer in Hematology prize from the American Society of Hematology), Mann is internationally recognized and sought after by members of the medical community.

From preventing a heart attack to treating hemophilia to saving the lives of trauma patients — understanding the process of how our blood clots is one of the most important functions of medical science today. UVM Professor and former Chair of Biochemistry Kenneth Mann, Ph.D., has been at the forefront of the science that seeks to understand this process. He has built a four-decade long legacy, and has brought the science behind clotting into the limelight, identifying the biochemical make-up of the factors in our blood that are essential for life.

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community — from hematologists to trauma surgeons — who need answers to questions dealing with blood clotting.

“He’s considered a legend,” says Paula Tracy, Ph.D., interim chair and professor of biochemistry, who was a postdoctoral fellow with Mann at the Mayo Clinic in the 1980s. “He was the first person to bring real protein chemistry and physical biochemistry to the study of blood coagulation.”

To make those discoveries, Mann’s career path has taken some interesting twists and turns — from dropping out of MIT to being initially rejected by the NIH to performing ground-breaking research with a piece of antique farming equipment. Today, his achievements are known and admired worldwide, as he has worked to apply the science of blood clotting to improving clinical care.

THE EARLY DAYS

Mann is the youngest of six children born to Arthur and Helen Mann in Brooklyn and Long Island. From his earliest days, it was drilled into him that he was going to go to MIT and be an engineer.

His father was abandoned when he was three years old, and lived independently from age 11. But as a child, the elder Mann was befriended by a mining engineer and through his influence became convinced of the importance of engineering as a career. While he didn’t go to school as a boy, he eventually put himself through grammar school, high school and two years of college while raising six children.

Mann’s two oldest brothers became engineers. His second oldest brother, the late Robert W. Mann, a long-time professor of engineering at MIT, is considered one of the founders of bioengineering. Because money was tight, young Kenneth needed to get a scholarship to a private Catholic high school and then to MIT — which he did.

But after just three months in Cambridge, he quit.

“The instruction wasn’t what I was looking for — it wasn’t the hands-on science and working with mechanical things that I loved,” he recalls. To Mann, educational life at MIT seemed to be mostly focused on memorization, instead of the deductive reasoning and synthesis he had grown to love in high school.

So Mann got a job in a machine shop as a tool and die maker’s apprentice. After six months, however, he decided that his future didn’t lie on that route, either. He applied and was accepted at Manhattan College, where he planned to study physics.

A HOBBY BECOMES A LIFE’S WORK

At Manhattan College, chemistry professor William Batt asked Mann to work in his lab. It was there that Mann first became interested in enzymes and catalysis — and excited about science. “I became firmly convinced I wanted to be a biochemist,” he says.

From Manhattan College, Mann went to the University of Iowa for his biochemistry doctoral studies, followed by a postdoctoral fellowship at Duke University. At Duke, Mann received a letter from William Batt, who was doing work with thrombin, a protein in blood clotting that had been discovered in 1872 and used in World War II as a wound sealant to stop bleeding from battlefield injuries, but the protein had never been fully elucidated. Batt asked Mann to develop a full characterization of thrombin, which he did using newly developed biophysical techniques.

After Duke, Mann got a job as assistant professor at the University of Minnesota, with plans to study protein folding, or the process of how proteins fold into a three-dimensional structure. As a side activity, he continued to study prothrombin — the precursor to thrombin in the blood clotting process — using similar biophysical techniques to those he used at Duke.

That work — which started as a hobby — led to what became a major research focus for Mann. He received encouragement for his work from colleagues and decided to apply for research funding from the NIH. He assumed that he would be funded. But in this case, his lack of formal training in blood coagulation worked against him.

He received a letter from NIH not only rejecting his grant application, but disapproving it based on scientific merit. He was unpleasantly surprised — especially when he called up the NIH study section, and the administrative assistant recited all the flaws in his application that had been cited by the reviewers.

“They have a cream separator here for $25,” said Jeannette. “Couldn’t that do the same thing?”

“At first I thought it was ridiculous,” Mann says. “Then I woke up in the middle of the night and thought ‘She’s right!’”

The next day, $25 poorer, he and Jeannette loaded the heavy, 40-year-old cast iron farm machine in the back of their 1965 Chevy. With this hand-cranked antique cream separator and the cooperation of a large slaughterhouse in St. Paul, from which he could get all the bovine blood he wanted, he was able to carry out his planned experiments. He and his laboratory colleagues — David Fass and Charles Heldebrant — developed isolation procedures for prothrombin and thrombin. They were the first to characterize the molecular weight, structure and activities of several active forms of thrombin — which were essential to understanding the process of blood clotting. One of their biggest breakthroughs was applying computational and mathematical models in looking at how blood clotting occurs. The following spring, they presented their findings at the Federation of American Societies for Experimental Biology (FASEB) meeting — showing scientists from throughout the country technologies that they had never seen before, to great acclaim.

Afterwards, when Mann resubmitted his application to the NIH, it was accepted and funded — and has continued to be renewed throughout his career.

CREATIVE SOLUTIONS

Mann’s NIH rejection galvanized him to move forward with his work independently and prove the reviewers wrong. Back in 1970, the NIH funding would have helped him buy a top-of-the-line $25,000 piece of equipment to process blood. Without it, he needed to find another way to break blood down into plasma and cells — and he needed to figure out where, and how, to get the raw blood in the first place. When he came home the day he’d received his rejection, agitated by the news, his wife Jeannette brought up something she had noticed in the St. Paul newspaper, in the “Thrifties” section where bargains were advertised.

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SUCCESES AND DISCOVERIES
Following the success of the FASEB presentation, Mann was asked to join a research group at the Mayo Clinic, run by one of his primary mentors, Walter Bowie.

At Mayo, Mann first became convinced of the importance of his work from a clinical point of view. Prior to that he had mainly thought of it as an intellectual puzzle. "It was the moment I realized that if it’s translatable to improving the human condition, you should do it," Mann says. With Bowie's encouragement, Mann joined the Department of Medicine and eventually became Mayo's vice chairman of research for medicine.

A number of breakthroughs occurred while he was at Mayo, but perhaps the most noteworthy was the isolation and characterization of a blood-clotting protein called Factor V. Factor V had first been identified in 1942, but throughout decades of work no one had successfully been able to isolate it.

By chance, a graduate student named Michael Nesheim had come to Mann's lab. Mann took Nesheim on as a temporary technician, advising the young investigator and enabling him, through his mentoring, to complete his thesis and find a post-doctoral position. Nesheim succeeded in isolating and characterizing Factor V. It was a major breakthrough, one that allowed Mann and his colleagues to assemble and fully understand the catalysts that caused coagulation to occur.

Scientists knew at that time that there was an enzyme that activated prothrombin and thrombin (key clotting proteins) called Factor Xa. They also knew that to make that reaction occur, other things were needed, including calcium and Factor V. The thought was that when you added "accessories" such as calcium and Factor V, it would increase the rate that thrombin was activated. But what Nesheim, Mann and their colleagues discovered was that when you added Factor V, the reaction rate actually skyrocketed from 1 to 300,000.

"We realized that the only enzymes that were biologically relevant were the ones that were formed in these big complexes," Mann says. "That was the starting point of our really important accomplishments."

Other studies in Mann's lab led to the identification of Factor Va, the active form of Factor V, which is required in the coagulation process. Later, in the 1990s, researchers in Mann's lab at the University of Iowa, Iowa City, Iowa, succeeded in isolating and characterizing Factor V Leiden, a genetic mutation of Factor V that causes increased abnormal clotting, or thrombophilia. The presence of Factor V Leiden, which is present in 5 percent of the Caucasian population, increases a person's chance for developing deep vein thrombosis.

BUILDING A TEAM
Those discoveries, and many others in Mann's lab at Mayo and then at the University of Vermont, were possible because of the team of talented scientists and collaborators he formed. In 1984, Mann was recruited to chair UVM's Department of Biochemistry, a post he held for the next 21 years. Mann recruited Paula Tracy, Ph.D., and Russell Tracy, Ph.D., from Mayo, and helped bring together a group of scientists who included current chair of pathology Edwin Bovill, M.D. — a group that informally called itself "the Clotters."

"He brought people into the lab, gave them a general feel for what was going on and let them go to it," says Sriram Krishnaswamy, Ph.D., a former UVM postdoctoral fellow with Mann, who is now at the University of Pennsylvania School of Medicine.

Michael Kalafatis, another fellow of Mann's at UVM, now at Cleveland State University, said his work with Mann influenced his career 100 percent. Today, he is an international scholar and active researcher in blood coagulation, thrombosis, cancer, and apoptosis, or programmed cell death. Kalafatis says his chemistry students refer to Mann as "the grandfather of coagulation."

Mann not only facilitated collaborations in his lab, but encouraged scientists and physicians from different disciplines to work together on blood clotting. "He has a multidisciplinary translational approach," says Russell Tracy, Ph.D., professor of biochemistry and former senior associate dean for research and academic affairs in the College of Medicine. "Early on, he had teams of physicians, scientists, clinical laboratorians, all working on the same problem and taking away from it different things they could use in their own fields."

Mann has also continued a strong focus on communicating his work to a wider audience. He developed a DVD that fully explains the elements and functions of the blood coagulation system — complete with a colorful, animated movie illustrating the clotting process. The NIH uses his DVD on its Web site, and the American Society of Hematology has distributed it to its members.

Mann's work has also spawned a commercial enterprise, Haematologic Technologies. Mann founded this maker of plasma proteins for in-vitro research uses in a small commercial space in Essex Junction. It has since grown to encompass most of the building in which it is housed, and is a leader in its field.

RECENT WORK
Mann's work today is focused on helping to prevent blood disorders — both bleeding and clotting problems — by identifying and categorizing risk factors in the blood.

Over the years, he and his colleagues have developed increasingly sophisticated models to hypothesize how chemical reactions will occur — based upon and validated by studies of biological systems. Those measurements then are translated into mathematical models, which are used to predict what will happen in a given blood sample. These methods eventually may be used to predict a person's increased risk for stroke or heart attack, or to identify what type of drug would be effective in preventing blood clots.

"I think we're getting close to doing those sorts of things," Mann says.

Ongoing research in his lab today includes studies that focus on helping to improve clinical management of bleeding diseases, such as hemophilia. Another project involves working with the U.S. military to improve diagnosis and treatment of certain bleeding defects in trauma, a key area of study for Mann. Since most causes of death today — such as heart attack, stroke, pulmonary embolism and hemorrhage in trauma — are associated with formation of blood clots, this work has widespread implications for clinical treatment in the future.

"Blood is everywhere," Mann says. "... All of our work is based on very fundamental chemistry. But it's quite exciting when you translate that into human care."

A long way from the cream separator: Dr. Mann now uses powerful lasers in research at his Colchester lab.

"BLOOD IS EVERYWHERE. ALL OF OUR WORK IS BASED ON VERY FUNDAMENTAL CHEMISTRY. BUT IT'S QUITE EXCITING WHEN YOU TRANSLATE THAT INTO HUMAN CARE."
— Kenneth Mann, Ph.D.

VERMONT MEDICINE
SPRING 2011
23
NEW APPROACHES

YOU CAN GET THERE FROM HERE — IF “THERE” IS ONE OF THE MORE HIDDEN REGIONS OF THE BRAIN — THANKS TO TECHNIQUES BEING PIONEERED AND TAUGHT AT UVM’S SKULL BASE LABORATORY.

by Edward Neuert  photography by Raj Chawla

To the average walking-around brain, the skull seems a simple thing — a sort of bony, custom-fitted helmet, personalized by a range of hairstyles. We slip it on sometime in utero, and it stays with us to our death, and beyond. It really has no choice in the matter. Your skull can’t escape you because, as the protective wrapper of the brain, it contains you — your approximately 100 billion brain cells and the less-easily-quantifiable concept known as your mind. It is the seat of most of your senses. And it adds structure to your face, that collection of muscle, cartilage, and skin by which the rest of the human brains in the world identify you — your approximately 100 billion brain cells and the less-easily-quantifiable concept known as your mind.

You’d either have to move the brain — actually pushing it — or go through it in order to get to those spots. Or you just left them alone, and didn’t treat the problems in these areas — they were just considered inaccessible.”

“Maximal exposure with minimal disruption, that’s what we’re going for,” explains Horgan from a relatively corner of the lab. Behind him, teams of residents and their teachers cluster around the six surgical stations in the lab’s main teaching area, a 30-by-30-foot room canopied by the branching arms of its six gray-and-black surgical microscopes. Under every scope is clamped the cadaver head upon which each team will practice surgical skills over the five-day run of the course. Two large flat-screen monitors mounted in opposite corners of the room give all the participants a live view from two of the surgical fields. High on one wall, in a place of honor, hangs the white coat of surgical pioneer R.M.P. Donahy, M.D., who invented many of the techniques of microneurosurgery in this very room four decades ago.

The focus of the room’s attention, the human skull, is a tight collection of 22 bones, many of them wafer thin, and held together by the tightly-knit connections called sutures. For centuries, those physicians who dared operate in the region of the brain gained access from the top or sides of the head. Neurosurgeons give the name “skull base” to the part of the skull that the brain rests upon. Although the brain, with a tissue consistency somewhat like toba, mostly flows within its enclosure, its lower portions give directly upon the bottom of the skull. Within this area is a maze of bony channels that house the arteries and veins and nerves that nourish the brain and allow it to communicate. For decades after surgeons began operating on the tumors, aneurysms, and other maladies that can affect the upper brain, the areas in the underside of the organ and the cervical spine connection remained off-limits, the neurosurgical version of some unapproachable mountain escarpment. Indeed, neurosurgeons tend to veer into the parable of mountain climbers or spelunkers when describing these challenges.

“Thirty or 40 years ago, it was almost impossible to access these areas... you’d either have to move the brain... or you just left them alone, and didn’t treat the problems in these areas — they were just considered inaccessible.”

—Michael Horgan, M.D.
a knowledge of the anatomy of the base of the skull is very important," says Horgan. "You need to know precisely which bones you can remove and how much you can drill without getting into trouble with nerves or arteries or veins." To the lay observer, these routes are squirm-inducing — they often involve operating through the back of the mouth, or moving the eyeballs slightly and entering from the back of the eye sockets — but they are worth the effort if they give the surgeon access to a centimeter of open space under the brain. "A centimeter is an enormous amount of room for us, comparatively," says Horgan.

When Neurosurgery Division Chief Bruce Tranner, M.D., recruited Horgan to Vermont, the promise of having a skull base lab was a crucial part of the offer, Horgan says. It meshed with Horgan’s desire to teach and do research in addition to his many weekly hours of surgery, and it met a crucial need in the field. "It takes a long, long time to become a neurosurgeon," he says. Neurosurgeons complete seven-year residencies after medical school. Most are approaching their mid-30s before their training is done. "Anything we can do to make the training more complete and up-to-date is worth it," Horgan says.

As a regional resource, UVM’s lab is appreciated by neurosurgeons throughout New England. "The best way to learn this anatomy is through repeated cadaver dissection," says Carl Heilman, M.D., chair of the Department of Neurosurgery at Tufts Medical Center and president of the New England Neurosurgical Society, the professional group that underwrites the cost of residents’ tuition in the January course. "UVM’s Skull Base Laboratory has helped many neurosurgery residents, from Yale, Harvard, Tufts, and others to solidify their knowledge."

At the same time, the lab gives UVM/Fletcher Allen residents the chance to pursue research into new surgical techniques. Fourth-year resident Richard Murray, M.D., was interested in the developing field of endoscopy — the use of an optical-fiber instrument to view and operate directly within cavities and organs. Murray’s research specifically looked at approaches to the cervical spine through both the mouth and the nose. "The Skull Base Lab offered the ideal setting for this research," Murray says. He set up a complete endoscopic operative system in the lab, carefully measured and analyzed angles of exposure, and drew useful conclusions on the limitations of each approach, and ways to judge patient suitability. "This project offered me, as a junior researcher, the chance to engage in meaningful research, which I could then present at a national level," he says. Murray presented his findings at this February’s North American Skull Base Society meeting in Arizona.

Medical students also benefit from the lab. William Ares, a third-year medical student with a deep interest in neurosurgery, calls his participation in the January workshop “an incredible opportunity for me. I had the chance to interact with world-renowned surgeons from some of the premier neurosurgery programs in the county. The workshop and the lab give me an avenue for hands-on learning that a medical student just couldn’t realistically get in the operating room.”

—William Ares, ’12

In 1905, when the College of Medicine completed its third home at the corner of Prospect and Pearl streets in Burlington, the main lecture room was named Hall A. For the next 63 years, students such as the members of the Class of 1955 (shown above listening to the legendary Prof. Ellsworth Amidon, M.D.’52) spent much of their time in the hall. Today’s students take in lectures in the Sullivan Classroom or in the recently renovated Carpenter Auditorium, but the College’s educational mission of inspiring a lifetime of learning in the service of the patient remains the same. The Hall A magazine section is a meeting place in print for all former students of the College of Medicine.
March 17 was a special day here at the College of Medicine — and not just because it was St. Patrick’s Day. The noon hour found me and a few hundred other members of the College of Medicine community gathered for Match Day festivities in the College’s Hoehl Gallery. For any alumni since the early 1950s, Match Day remains a very memorable moment, albeit a nerve-wracking one. With the opening of an envelope, your path is decided, and a major part of your career as a physician is chosen.

For years, that dramatic revelation for all medical students took place within a minute or two of noon in the tightly packed quarters of the student mailbox corridor, way in the far northeast corner of the Given Building. This year, for the first time, the match letters were delivered to students in public, during a presentation ceremony in the Hoehl Gallery. One by one, the Class of 2011 members came up on stage and read out the name of the institution they’d be heading off to. In my specialty, medicine — and not just because it was St. Patrick’s Day — it was a lively event at the Park Plaza Hotel. We hope to do more of these regional presentations in the future to make it easier for alumni in different areas to meet up with each other. Of course, the biggest meet-up of all is just a few months away: Reunion 2011. If you are an alumnus from a year ending in “1” or “6,” and you haven’t already made your plans to attend, please do so now.

If you have an idea for something that should be covered in Vermont Medicine, please email medalumni.relations@uvm.edu. If you’d like to serve as 1947 class agent, please email medalumni.relations@uvm.edu. For updates on events see: www.med.uvm.edu/alumni.

University of Vermont College of Medicine

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University of Vermont Medical Alumni Association

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President
James C. Hebert, M.D. ’77 (2010–2012)
President-Elect
Mark Pasanen, M.D. ’92 (2010–2012)
Treasurer
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Secretary
Executive Secretary
John Tampas, M.D. ’14 (ongoing)

Members-at-Large (Six-Year Terms):
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Ellen Andrews, M.D. ’75 (2010–2016)
Don P. Chan, M.D. ’76 (2009–2015)
Carleton R. Haines, M.D. ’63 (2006–2012)
Naomi R. Leidig, M.D. ’00, M.H. ’10 (2012–2016)
Frederick Mandell, M.D. ’84 (2009–2015)
Jacqueline A. Noonan, M.D. ’54 (2006–2012)
Suzanne R. Parker, M.D. ’73 (2010–2016)

M.D. Class Notes

If you have news to share, please contact your class agent or the Development & Alumni Relations office at medalumni.relations@uvm.edu or (802) 656-4014. If your email address has changed, please send it to medalumni.relations@uvm.edu.

1943
Francis Arnold Caccavo
(M.D. Dec. 1943)
51 Thibault Parkway
Burlington, VT 05401
(802) 862-3841
drreobrien@aol.com

1948
S. James Baum
17900 Fairfield Beach Road
Fairfield, CT 06430
(203) 255-1013
baum@sotonline.net

1949
Joseph C. Foley
52 Fairmount Street
Burlington, VT 05401
(802) 862-0040
jcfoley@adelphia.net

1950
Edward S. Sherwood
24 Worthley Road
Topsham, VT 05076
(802) 439-5816
kesia@vermontnet.net

1952
Wilton W. Covey
317 Weybridge Street
Middlebury, VT 05753
(802) 388-1555

1951
Simon Dorfman
8356 Nice Way
Sarasota, FL 34238
(813) 492-4126

1944
Robert E. O’Brien
414 Thayer Beach Road
Goldsboro, VT 05446
(802) 862-0194
drobbie@bad.com

1945
H. Gordon Page
9 East Terrace
South Burlington, VT 05403
(802) 844-7086

1946

REUNION ’11

Edward W. Jenkins
7440 South Pittsburgh Ave.
Tulsa, OK 74136
(918) 492-7960
drjwjenkins@gmail.com

Larry Allen reports: “Heather and I are spending the winters in Coronado, Calif. It seems almost disloyal to be missing the crisp, snowy winters of Vermont. We have a grandson who recently graduated from UVM and is working in Burlington, and another grandson who is a senior this year. Our family is spread across the country and we even have a UVM graduate who is now living in Sydney, Australia. I’m playing tennis regularly but it is harder to keep score and remember who is serving.”

Fred and Lorraine Nelson write that they still return to Vermont every year to their summer camp.

Upcoming Events

June 9, 2011
Medical Alumni Association Award Dinner
Burlington Country Club

June 10–12, 2011
Medical reunion 2011
UVM Campus

June 11, 2011
1946 Alumni Society & Wilbur Society Members Reception
Englisby House, 5:00 pm – 6:30 pm

August 8–13, 2011
Class of 2015 Medical Student Orientation

October 2011
Fall Alumni Executive Committee Meeting
UVM Campus (Date TBA)
Tops in Trees

John Ouellette, M.D.’60 was raised on a 450-acre dairy farm in Vermont, and if everything had gone according to plan, he’d been a retired dairy farmer right now. Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows. John Ouelette, M.D.’60 was raised on a 450-acre dairy farm in Vermont and, if everything had gone according to plan, he’d been a retired dairy farmer right now. Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows.

1953
Richard N. Fabricius
17 Fairview Road
Old Bennington VT 05251
(802) 442-4214

1954
John E. Mazuzan Jr.
366 South Cove Road
Burlington VT 05401
(802) 664-5039
mazuzan@burlingtonantelope.com

Michael Wiedman reports that he is “Still practicing, aged 84, although many of my past very accomplished residents and fellows have retired? Who to consult with and refer to now? Still using the orthosandwich and hanging in high altitude, Harvard teaching, board meetings, extension courses, Stairmaster, and sons [246x227]Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows. John Ouelette, M.D.’60 was raised on a 450-acre dairy farm in Vermont and, if everything had gone according to plan, he’d been a retired dairy farmer right now. Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows.

1956
Reunion ’11
Ira H. Gesner
115 N. Northwood 31st Street
Cambridge, MA 02139
(312) 578-1800
hgesner@peds.ufl.edu

Don Lippitt writes that he is “In semi-retirement, still teaching, but mostly enjoying the pursuits of our sons [246x227]Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows. John Ouelette, M.D.’60 was raised on a 450-acre dairy farm in Vermont and, if everything had gone according to plan, he’d been a retired dairy farmer right now. Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows.

1956
Reunion ’11
Irish A. Nierenberg
55 West 15th Street
New York, NY 10014
(212) 874-6448
mirenierenberg@verizon.net

Mervyn H. Welt
Clinton Street
P.O. Box 772
Waverly, NY 13471
(607) 563-2125
meltzerwm@gmail.com

1960
Reunion ’11
Marvin A. Nierenberg
35 West 15th Street
New York, NY 10014
(212) 874-6448
mirenierenberg@verizon.net

1961
Reunion ’11
Samuel T. Lepa
35 Gulliver Circle
Norwich, CT 06360
(860) 861-2011

Rudy Kohrmann is a “Still working full time as a Physician Assistant, University of Minnesota Medical Center and on editorial board of Howie Today: Palliative Medicine.”

1957
Larry Coletti
44 Goeckler Circle
Norwich, CT 06360
(860) 861-1450
lcoletti@nwhp.org

1958
Peter Amos Goodhue
Stamford Gynecology, P.C.
2704 North Street
Stamford, CT 06902
(203) 359-3540

1959
Jay E. Selaw
217 Reservoir Road
Bloomfield, CT 06002
(860) 245-1159
jayselaw@comcast.net

1962
Reunion ’11
Ruth Andrea Seeler
2415 North Orchard
Chicago, IL 60614
(773) 472-3433
seeler@uic.edu

1966
Reunion ’11
Robert George Sellig
315 Grass Marsh Drive
Mount Pleasant, SC 29466
rsellig@comcast.net

1967
Reunion ’11
John F. Dick II
P.O. Box 60
Salisbury, VT 05769
(802) 912-6625

1968
Reunion ’11
Anthony P. Belmont
213 Youngs Point Road
Wiscasset, ME 04578
(207) 882-6228
ajp8229@jps.net

Tony Belmont writes: “I have been doing mock interviews with the pre-med students at Bowdoin to help them prepare for their actual medical school interviews. Great fun!”

1969
Reunion ’11
Susan L. Pitman Lowenthal
200 Kennedy Drive
Winter Park, FL 32789
(407) 323-3838
tmg45@aol.com

Sherwin Ritter reports: “After 40 years of practice (orthopaedic surgery) Joan and I spend many long hours giving our share of vitamin D in Naples. Why waste golf on our curriculum?” Email: smritter@verizon.net

1970
Reunion ’11
John E. Mazuzan Jr.
115 N. Northwood 31st Street
Cambridge, MA 02139
(312) 578-1800
hgesner@peds.ufl.edu

Don Lippitt writes that he is “In semi-retirement, still teaching, but mostly enjoying the pursuits of our sons [246x227]Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows. John Ouelette, M.D.’60 was raised on a 450-acre dairy farm in Vermont and, if everything had gone according to plan, he’d been a retired dairy farmer right now. Instead, he’s a retired allergist whose crop stands even stiller than a herd of cows.

1971
Reunion ’11
Raymond Joseph Anton
1251 Central Park West
New York, NY 10023
(212) 565-0950
rjay@anton.com

John F. Beams, Jr.
1288 Kawasaki Apt. 1605
Honolulu, HI 96814

Wayne E. Pasanen
117 Griswold Street
North Andover, MA 01845
(978) 684-0561
wpasanen@lauselgeneral.org

1971
Reunion ’11
Raymond Joseph Anton
1251 Central Park West
New York, NY 10023
(212) 565-0950
rjay@anton.com

John F. Beams, Jr.
1288 Kawasaki Apt. 1605
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(978) 684-0561
wpasanen@lauselgeneral.org
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H A L L  A

M. D. C L A S S  N O T E S

1972
F. Farrell Collins Jr. 205 Page Rd. Pheonix, VT 05281 (802) 985-2494 Charles Elboim reports that he is “Still working as medical director of a neuroscience group in northern California and surveyor for the national accreditation program for breast centers. My wife is an infectious disease doc and we have three great children in London, Philadelphia and the third about to enter law school. Cheers to my classmates!”

Alan D. Covey writes: “I retired from the practice of internal medicine as of October 2, 2010, and have begun a new career as an investment advisor representative associated with Community Investment Counselors in Middlebury, Vt.”

1973
James M. Betts 715 Harbor Road Truckee, CA 96150 (510) 523-1920 bettja@charter.net

Phillip L. Cohen 481 Laisne Drive Winter Park, FL 32789 (407) 628-0211 philcody@aol.com

David Bronson reports: “Kathy and I continue to work at the Cleveland Clinic, where she is Dean of Administration and Student Affairs at the Lerner College of Medicine of Case Western Reserve University. I serve as a professor of Medicine and become President and CEO of our ten-community-hospital system in May. I serve as a commissioner on the Joan Commission and was recently elected President-elect of the American College of Physicians for 2011–12 (following Virginia Housel). Our six kids are doing well and the youngest finishes med school in Chicago in May. Very best wishes to you all. CTVNY Friends.”

Cressey Brazier has “Moved to Calais, Maine. Closer to ED Position. Daughter Cressy is an archivist/civil engineer in Shanghai, China. Shown is a lawyer in Eugene, Oregon. Cristy is a mother of three grandchildren in Portland, Maine. Celebrating nine years of marriage to Teresa, and unknown if I will ever retire.”

1974
Douglas M. Eddy 5 Tenark Road Woodham, NH 03087 (603) 434-2164 dheddy@att.net

Cajsa Schumacher 78 Euclid Avenue Albany, NY 12203 cajiasch@yahoo.com

1975
Ellen Andrews 195 Mainland Rd. Pheonix, VT 05281 (802) 295-6464 ellie@springtimeinc.com

Bob Backus continues in the practice of rural family medicine and geriatrics at Grace Cottage Hospital in Townshend, Vermont. Hopes to return to Vermont to resume medical work in the Amazon, this time teaching medical students. Elliot Felt and his wife, Sandy, have celebrated 37 years of marriage. They have three married children and three grandchildren. They can be reached at: elliotfelt@gmail.com.

1976
Don P. Chan Cardiovascular Associates of New Hampshire Suite 303 246 Pleasant Street Concord, NH 03301 (603) 224-6070 dpcn@msn.com

1977
Mark A. Popovsky 22 Naquet Rd. Shrewsbury, MA 01545 (781) 784-8821 mpopovsky@tuftsmedicine.org

1978
Paul McLane Costello Eikes Pediatrics, Ltd. 89 Main Street Plattsburgh, NY 12901 (802) 879-6516

Andrew Arrison writes: “Son and I have been retired for three years and are enjoying retirement immensely. Son is currently volunteering as a play therapist on the Acute Care Unit at St. Francis Hospital in Burlington, VT. Thanks for the memories. Very best to all.”

1979
Sarah Ann McGarty smc@acumed.edu

Dennis Plante dennis.plante@vmednet.org

1980
Richard Nicholas Hubbell 80 Summit St. Burlington, VT 05401 (802) 862-5551 rshubbell@vmednet.org

1981
Bruce Leavitt, MD ’81 514 Sullivan Road South Burlington, VT 05403 bjeavitt@comcast.net

Betsy Sussman, MD ’81 325 Dorset Heights Burlington, VT 05403 betsysussman@hotmail.com

Louis Polish, MD ’81 11 Valke Drive South Burlington, VT 05403 louis.polish@vtmednet.org

1982
David and Sally Murdock murdock@alpaw.net

1983
Diane M. Georgeson 2 Rainie Parkway Ontonagon, MI 49953 (607) 433-1620 dgeorgeson@tm.net

Anne Marie Massucco 55 Cedar ledge Road CT 06107 (860) 521-6120 annemass@comcast.net

Katherine Frantz sends greetings to all friends.

1984
Richard C. Shumway 15 Calf Pasture Lane Avon, VT 06001 (802) 673-6436 rshumway@stfranciscare.org

Endocrinology researcher Jack Leahy, M.D., is supported in his work in part through the generosity of Ted and Mina Jewett.

A Tribute to a Father
After graduation from the College of Medicine in 1958, Roger Colton, M.D. went on to a distinguished career as a rheumatologist in Minnesota. His deep feeling for the well-being of his patients in the Twin Cities area, and his gratitude for the career made possible by the education he received at the College of Medicine, made a lasting impression on his son, Timothy Colton, D.D.S. Tim Colton received his degree from Tufts School of Dental Medicine, and served a residency afterward with John Fanham, D.D.S., in Burlington. When seeking a way to honor his now-retired father, Tim saw the Medical Alumni Association Matching Scholarships as a perfect opportunity. His gift of $100,000 has established the Roger S. Colton M.D. ’58 Scholarship, a permanently-endowed fund that will benefit deserving medical students in perpetuity.

Supporting Research: Remembering a Loved One
Ted and Mina Jewett of Newport, VT, faced every parent’s nightmare—the loss of their child. The Jewetts have chosen to fight back against diabetes, the disease that took Melissa Jewett’s life in 2010 and cut short her career as an elementary school teacher at the South Burlington Central School. Their generosity has helped to fund research by UVM Professor of Medicine Richard Prasley, M.D., and Jack Leahy, M.D., who both are working to find new, more effective therapies and treatments for diabetes. The Jewetts have made and continue to make significant gifts to support endocrinology research at UVM.

Development News

Honoring a Colleague and Friend
When he came to the College of Medicine in 2000, Hillel “Hill” Panitch, M.D., brought years of experience in the care of people with multiple sclerosis from his tenure at Johns Hopkins University, University of California San Francisco, and the University of Maryland School of Medicine. In Vermont, Dr. Panitch established UVM’s Multiple Sclerosis Center and, through clinical trials he developed, helped bring new effective treatments to his patients, and people across the world. In a Vermont Medicine article three years ago, he marveled at the advances in the field of MS treatment that had been attained in recent years: “There was nothing 15 years ago to help our patients,” he said. “Now there are six approved drugs, and MS is among the more treatable neurological diseases.” In late 2009, Dr. Panitch learned that he had late-stage melanoma, the disease that ended his life in December of 2010. Now, the colleagues and friends of Dr. Panitch in Vermont and around the country have joined together to support the Panitch Fund for Neurotherapeutic Research & Education — a permanently endowed fund started by Dr. Panitch that will continue the legacy of a brilliant and caring physician for years to come.

More Than A Decade of Support for Cancer Research
After Kim and Scott Ireland successfully fought the melanoma that had threatened Scott in the late 1990s, they decided to help further the work of Scott’s physician, Professor of Surgery David Krag, M.D., and his colleagues by founding the S.D. Ireland Cancer Research Fund. In 2009, the fund celebrated its tenth anniversary, and as of March has raised nearly $2 million to support the Krag lab research activities. Most recently, the Irelands have made a personal donation to the fund of $500,000. Besides their financial support, the Irelands have worked hard to keep cancer research in the public eye through their work with the Vermont Cancer Center’s annual Breast Cancer Conference, and their well-known St. Patrick’s Day Parade of S.D. Ireland Company cement mixers, a staple of the Burlington scene for years that helps promote the Cancer Fund.

Hillel Panitch, M.D.

Scott and Kim Ireland
2011 Medical Alumni Association Awards

Since the 1980s, the College’s Medical Alumni Association has honored members for their achievements in the clinic, in the laboratory, and in their personal lives. The 2011 awardees will be honored this June at Reunion 2011, and will take their place on the award display in the Given Building.

**A. Bradley Soule Award:**
Presented to an alumnus/a whose loyalty and dedication to the College of Medicine most emulate those qualities as found in its first recipient, A. Bradley Soule, M.D.’28.

**Distinguished Academic Achievement Award:**
Presented to alumni in recognition of outstanding scientific or academic achievement.

**Service to Medicine and Community Award:**
Presented to alumni who have maintained a high standard of medical service and who have achieved an outstanding record of community service or assumed other significant responsibilities not directly related to medical practice.

**Early Achievement Award:**
Presented to alumni who have graduated within the past 15 years in recognition of their outstanding community or College service and/or scientific or academic achievement.

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**A. BRADLEY SOULE AWARD**

Marga S. Sproul, M.D.’76
Emeritus Associate Professor of Family Medicine, UVM; Family Medicine Physician, Colchester Family Practice

Dr. Sproul is a family physician at Colchester Family Practice in Colchester, Vermont. Since graduating from the UVM College of Medicine in 1976, Dr. Sproul’s service to the College and its students has spanned over 30 years and continues today. She is well-known to a generation of alumni for her roles as Associate Dean for Student Affairs from 1988–2004, and as Associate Dean of Admissions from 1987–1996. In addition, she has served the College and medical alumni as a member of the Medical Alumni Executive Committee from 1986–2004, and a member of the Medical Awards Committee since 2000.

**SERVICE TO MEDICINE & COMMUNITY AWARDS**

Bruce J. Leavitt, M.D.’81
Professor of Surgery, University of Vermont College of Medicine

Dr. Leavitt is a surgeon in Burlington, Vermont, specializing in cardiac and thoracic surgery. An active international volunteer, Dr. Leavitt recently deployed his surgical skills on a Doctors Without Borders mission to Nigeria (November–December, 2010). Prior to that, Dr. Leavitt served with Doctors Without Borders at the Manik Farm Hospital in Sri Lanka (June–July 2009), and has volunteered on other medical aid missions to Panama (2004), Yaroslavl, Russia (1995), and Yinchuan, China (1992).

Ann Lemire, M.D.’81
Medical Director, India Street Clinic, Division of Public Health of Portland, Maine

Dr. Lemire specializes in internal medicine, pediatrics, and HIV medicine. She is a Medical Director of the India Street Clinic, an HIV/STD prevention and treatment service of the Portland Division of Public Health, and is former Medical Director of Portland’s Health Care for the Homeless and Homeless Youth Clinics. Since 2004 she has served as a board member of Konbit Sante Haitian Health Partnership, a Maine-based nonprofit which develops the capacity of medical care in Northern Haiti.

**DISTINGUISHED ACADEMIC ACHIEVEMENT AWARDS**

John R. Knight, M.D.’76
Director, Center for Adolescent Substance Abuse Research, Children’s Hospital Boston, Associate Professor, Harvard Medical School

Dr. Knight is a pediatrician in Boston, Massachusetts, whose research focuses on the prevention and treatment of adolescent substance abuse. In 1999, he founded the Center for Adolescent Substance Abuse Research (CeASAR) and its outpatient counterpart, the Adolescent Substance Abuse Program (ASAP) at Children’s Hospital Boston. He continues to serve as the Director of each. Dr. Knight is an Associate Professor of Pediatrics at Harvard Medical School, where he has also served as an Associate Director for Medical Education in the Division of Addictions.

Helen Loeser, M.D.’76
Associate Dean for Curricular Affairs & Professor of Clinical Pediatrics, University of California — San Francisco School of Medicine

Dr. Loeser is a pediatrician in San Francisco, California, and since 1998 has served as Associate Dean for Curricular Affairs at the UCSF School of Medicine. In this role, she has been responsible for overseeing a major restructuring and redesign of the medical curriculum. Dr. Loeser also serves as Director of the school’s Clinical Skills Center, and is a member of the Executive Committee of the University of California Consortium for the Assessment of Clinical Competence.

Jocelyn D. Chertoff, M.D.’81
Vice Chair of Diagnostic Radiology & Professor of Radiology and Obstetrics/Gynecology, Dartmouth-Hitchcock Medical Center

Dr. Chertoff is a radiologist in Lebanon, New Hampshire, whose academic interests include clinical education and career development of women in medicine. Dr. Chertoff is Assistant Dean for Clinical Affairs at Dartmouth Medical School, and Assistant Medical Director of Medical Staff Affairs and a past Director of the Radiology Residency Program at Dartmouth-Hitchcock Medical Center. She serves as Chair-Elect of the Group on Women in Medicine & Science of the Association of American Medical Colleges.

**EARLY ACHIEVEMENT AWARD**

Anne Marie Valente, M.D.’96
Cardiologist at Children’s Hospital Boston, Brigham & Women’s Hospital, and Beth Israel Deaconess Medical Center, Assistant Professor, Harvard Medical School

Dr. Valente is board certified in adult cardiovascular disease and pediatric cardiology. Her patient care and clinical research focus on improving the long-term outcomes of adults with congenital heart disease. She serves as the outpatient director of the Boston Adult Congenital Heart (BACH) and Pulmonary Hypertension Program and co-director of the BACH senior fellowship program. She is a staff member of the non-invasive imaging program at Children’s Hospital Boston and is the Co-Director of the Pregnancy and Cardiovascular Disease program at Brigham and Women’s Hospital. She is also a staff member of the Children’s Hospital Boston Cardiology Department, and Cardiology Divisions of the Brigham and Women’s Hospital and the Beth Israel Deaconess Medical Center. Dr. Valente serves as an Assistant Professor at Harvard Medical School.

**PRESENT AND PAST AwarDEES ARE FEATURED ON THE MEDICAL ALUMNI ASSOCIATION AWARDS DISPLAY IN THE GIVEN BUILDING, NEAR THE ENTRANCE TO CARPENTER AUDITORIUM.**
Providence, RI. John and I are enjoying college, one in Minnesota and one in about a year and a half. Both our boys are in the process of instituting our EMR.

Dean Mastras is “Adding a new Trilogy Gamma Knife and a mobile HDR unit to my practice. Always busy.”

Craig Donnelly is “Living in Norwich, Vermont. Working as Therapist in child psychiatry. Third daughter a sophomore at UVM.”

Allyson Miller Bolduc 252 Autumn Hill Road South Burlington, VT 05403 (802) 863-4903 allyson.bolduc@vtmednet.org

Elderpower!”

watching Chip Teel ’85 change the coastal community in Maine. Love primary care in a thriving, gorgeous

Larry@correctioncare.com

5724 South Nome Street Lawrence I. Wolk

james.wallace@vtmednet.org

(802) 872-8533

416 Martel Lane Darrell Edward White

darrellwhite@mac.com

(440) 892-4681

29123 Lincoln Road 1986

sgfrisch@aol.com

Vito Imbasciani

Vto.uromd@gmail.com

Suzy Frisch

sfrisch@vtal.com

1985

1988

H. James Wallace III 4720 S. Lakeridge Lane St. George, UT 84790 (435) 672-5325

James.wallace@vtmednet.org

Lawrence I. Wolk 12745 Name Street Greenwood Village, CO 80111 (303) 777-1289 larry@cornerstonecares.com

Wayne Stokes reports that he “Recently started as director of sports medicine Risk Institute at NYU Langone Medical Center. Skiing, surfing. Daughter Emma is in grade school at Hopkins.”

Niall McCarrey writes: “Toni has got a good 41 tennis game going. Jackson is a freshman at Bangor High. Liz is just loving Middle school and exploring sports. I am still at Eastern Maine ED but getting my golf game to the level that Mike Rousse might respect. Come visit, I’m ready.”

1989

Peter M. Nallin 32168-Griffin Run Carmel, IN 46033 (317) 962-6556 pnallin@mac.com

Seth Rafal writes: “I’ve lived in Newton, Mass., with my wife, Mary Pautnau, Psy.D., since graduation in 1994. Our daughter, Lily (whom we met and adopted in China at 9 months) is a happy and thriving seventh grader. After many years working in community W.H. agencies and on outreach teams, I am now in private psychiatric practice in Newton.”

1995

Allyson Miller Bolduc 252 Autumn Hill Road South Burlington, VT 05403 (802) 863-4903 allyson.bolduc@vtmednet.org

2000

Jay Edmond Allard UW Waltham PSC 475 Box 1575 FPQ 96310 jeallard@pol.net

Michael Jim Lee 715 E. Lake Irvine, CA 92620 michael_jl1681@yahoo.com

Naomi L. Ried 303 St. Rd. 240 Carbondale, MA 01343 nried2x2partners.org

1999

Miriam Goodspeed argues a “Palliative palliative medicine at Maine Medical Center and loving it. Still doing some EM also.”

2001

Kristin (Sparks) Bradford reports: “Jason, Curtis (12), Davis (12) and I have settled into Corvallis, Oregon, where I’m enjoying working part time at the County Health Department Primary Care Clinic. Although I have given up call and hospital work, I have gained the gift of time with my children and myself. My husband’s business, Farmland LP, is helping investors to create traditional agricultural land into organic farms that produce food for local markets (FarmLandLP.com). The fall colors in Oregon remind me of Vermont and bring back many great memories of medical school and friends.”

1990

Barbara Angelika Dill 62 Hazel Court Norwood, NJ 07648 (201) 767-7778 dillmotha@optonline.net

Mary Haikiai Kucinski is “Practicing palliative medicine at Maine Medical Center and loving it. Still doing some EM also.”

1991

John Dewey 15 Eagle Street Cooperstown, NY 13326 john.dewey@hotmail.com

REUNION ’11

Anne Marie Valente 62 Winchester St., Apt. 503 Brookline, MA 02446 anne.valente@cardio.chboston.org

Joan G. McKeown reports: “As kids are getting older, I have been engaging more in the administrative work in the hospital. I am a president-elect of medical staff and a chairman of the Credentialing Committee. Still busy in our group private practice as well as teaching residencies.”

2001

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1992

Mark Elliot Pasanen 1234 Spear Street South Burlington, VT 05403 (802) 865-3285 mark.pasanen@vtmednet.org

2001

Lauren A. Barbour 4215 Pond Road Sheldon, VT 05483 (802) 245-7528

REUNION ’11

Joanne Taplin Romeyn 37 Norwood Street Greenwich, CT 06830 joelkeenan@hotmail.com

Michael Goldstein writes: “As kids are getting older, I have been engaging more in the administrative work in the hospital. I am a president-elect of medical staff and a chairman of the Credentialing Committee. Still busy in our group private practice as well as teaching residencies.”

2001

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1993

Joanne Taplin Romeyn 29 Patterson Lane Norwood, NJ 07648 (201) 767-7778 dillmotha@optonline.net

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2001

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1994

Holliday Kaye Rayfield P.O. Box 81 Waterville, VT 05673 (802) 496-5667 rayfieldbt@yahoo.com

1999

Haleh Abbarnia 2011 Prairie Street Clewiston, FL 33440 (847) 988-0507 habbarna@gmail.com

1999

Everett Jonathan Lamm 11 Autumn Lane Stratford, NJ 08588 (609) 929-7555 ejlammh@comcast.net

Deanne Diane Haag 4225 Pond Road Sheldon, VT 05483 (802) 245-7528

2000

Edmond Allard UW Waltham PSC 475 Box 1575 FPQ 96310 jeallard@pol.net

Michael Jim Lee 715 E. Lake Irvine, CA 92620 michael_jl1681@yahoo.com

Naomi L. Ried 303 St. Rd. 240 Carbondale, MA 01343 nried2x2partners.org

1999

Karine Ekmekji Mouradian is “Living in Norwich, Vermont. Working as Therapist in child psychiatry. Third daughter a sophomore at UVM.”

2000

Jay Edmond Allard UW Waltham PSC 475 Box 1575 FPQ 96310 jeallard@pol.net

Michael Jim Lee 715 E. Lake Irvine, CA 92620 michael_jl1681@yahoo.com

Naomi L. Ried 303 St. Rd. 240 Carbondale, MA 01343 nried2x2partners.org

The 25th Annual Imaging Seminar September 30–October 2 Stowe/Flake Hotel & Spa, Stowe, VT

Continuing Medical Education

2011 Conference Schedule

Family Medicine Review Conference June 7–10 Sheraton Hotel & Conference Center, South Burlington, VT

Summer Vermont Pediatric Seminar June 16–19 Equinox Hotel, Manchester, VT

Jeffords Conference on Quality September Sheraton Hotel & Conference Center, South Burlington, VT

Primary Care Sports Medicine September 28–30 Sheraton Hotel & Conference Center, South Burlington, VT

Breast Cancer Conference October 7 Sheraton Hotel & Conference Center, South Burlington, VT

Northern New England Critical Care Conference October 20–22 Stowe/Flake Hotel & Spa, Stowe, VT

Jeffords Conference on Quality: Health Care Acquired Infections October 28, 2011 Stowe/Flake Hotel & Spa, Stowe, VT
Fond Farewell to Ann Chauncey

Ann Chauncey, who has been a mainstay of the Office of Student Affairs for 20 years, retired from UVM on March 31. ‘Ann came to the College of Medicine in 1991 and over the subsequent nearly 20 years she has held a variety of positions in Student Affairs,’ said Associate Dean for Students Affairs Scott Waterman, M.D., in announcing Ann’s departure. ‘In each of them she learned whatever she needed to know and did whatever she needed to do to ensure that students were well served. That has been Ann’s unambiguously motivating force for working to make each day earn her the gratitude of about 2,000 students and physicians. By the time I assumed my role as associate dean, Ann had 13 years of experience here, without which — and, more importantly, the students of the time — would have been lost. Her dedication, wisdom, and resourcefulness continue to seem indispensable to me, and doubtless to many of you. Saying that we will miss her is an understatement.’

Wood Johnson Cancer Institute of New Jersey but we arrange our schedules to spend plenty of time with our daughter, Caroline, who just turned two. We are enjoying living in New York City.

Check out our reunion page on Facebook and add your photos and comments. There are lots of classmates making their travel plans to be on campus for the festivities in June and we hope to see you there!”

2002

Jonathan Vinh Mai
15 Meadow Lane
Danville, PA 17821
(717) 275-4681
jmai@psrgrps.com
Kerry Lee Landry
(978) 732-3875
land005@mc.duke.edu
Mary O’Leary Ready
mary@ohcrd.org
Maureen C. Sarle
maureen.sarle@yahoo.com

2003

Omar Khan
45 Chickurt Circle
Shellburne, VT 05482
(802) 965-1115
omar.khan@vernet.org
Scott Goodrich
309 Bartlett Avenue
Winsted, NY 13691
scottgoodrich1@yahoo.com

2004

Jillian S. Sullivan
jilliansullivan@hotmail.com
Steven D. Lefebvre
fabulousluffy@hotmail.com

2005

Julie A. Allesi
julie.alessi@mc.duke.org
Richard J. Parent
richparent@gmail.com

2006

William C. Eward
101 Wood Valley Court
Durham, NC 27715
awood001@mc.duke.edu
Deborah Rabinowitz Abrams
58 Chelsea Place
Winston, VT 05495
Deborah.rabinowitzAbrams@gmail.com

2007

Allison Colleen
acolleen5@gmail.com
Scott Millay
Scot.Millay@uvm.edu
Mikaila Pence
writes: ‘Our two crazy girls — Bristol (16 months) and Ada (4 years old). We’re still in Kansas finishing up residency then we’re headed to Alamos, Colorado to start a real job! Call or email (mhpence@hotmail.com).’

We love to hear from you!”

2008

Mark Hunter
21 Lindenwood Drive
South Burlington, VT 05403
Mark.hunter@uvm.edu
Alysia Wittgensten
7419 Briarcrest Lane
Orange, CA 92869
awittgensten@gmail.com
Ashley Zucker
2209 Allbany Street
Durham, NC 27705
azucker@uvm.edu

2009

Rebecca Kraelevich
rebeccakraelevich@gmail.com
Kate Murray Mitchell
Kathleenmitchell@yahoo.com
Campbell Stuart
Campbell.stuart@uvm.edu

2010

Michael Alarian
michael_alarian@yahoo.com
Pey Chen
Chenpei2010@verizon.net
Heidi Schumacher
heidi.schumacher@gmail.com

2011

Lawrence M. Cohan, M.D., ‘58
Dr. Cohan, who practiced radiology for many years, died March 5, 2010, in California. He was 67 years old.

Obituaries

Stanley Marshal Kemler M.D., ’46
Dr. Kemler passed away unexpectedly on Oct. 16, 2010, at the age of 87. Born in Boston Mass., he was a chemistry major in college before studying for his M.D. Dr. Kemler joined the U.S. Army medical school during while the U.S. was involved in World War II. As an Army captain, he was chief of neuropsychiatric services with the 22nd General Hospital in Guam, and ward officer at Valley Forge General Hospital in Pennsylvania. He moved to Norman, Oklahoma, in 1955, where he lived and died. During his career in Oklahoma, he served as chief of acute and intensive treatment services, and later as clinical director of Central State Hospital. He was also chief consultant in forensic psychiatry for the State of Oklahoma, and consultant psychiatry for the federal reformatory at El Reno. Dr. Kemler was a clinical professor at the OU Medical School and was a special lecturer at OU in Norman. He served as attending psychiatrist at the VA Hospital in Oklahoma City, a medical director of children’s services at Hillcrest Hospital in Oklahoma City; and was medical director at the Children’s Youth Center in Norman. For many years he had private practices in Oklahoma City and Norman, and later worked at Indian Health Services in Lawton and Anadarko, and was a consultant to the Absentee-Shawnee Tribe in Shawnee, OK.

Frederick R. Hyland, M.D., ’62
Dr. Hyland died on Oct. 26, 2010, at Mt. View Center Genesis Eldercare Network in Brooklyn, NY. He was born in Rutland, Vt., in 1934. He graduated from Rutland High School in 1952, and attended Cornell University before pursuing his medical degree at the College of Medicine. He was a member of Phi Beta Kappa Honor Society and Alpha Omega Alpha National Medical Honor Society. During his college years, he worked as a chef at the Inn at Long Trail, where he met his wife, Virginia Dowse. He loved sailing in San Francisco Bay while he was in California working at Lennox Army Medical Hospital. He was an avid skier and biker. Dr. Hyland was a U.S. Army captain during the Vietnam War.

H. Carmer Van Buren, M.D., ’54
Dr. Van Buren died on Jan. 7, 2011 at Wake Robin, Shellburne, due to brain cancer. He was born in Parson, NV, grew up on a family farm in Bradford, Vt., and moved to Burlington to finish high school. He received both his undergraduate and graduate degrees from UVM. He was trained in Internal Medicine at Colorado General Hospital in Denver. There he attended a breast cancer conference that led to his being awarded a Fulbright Scholarship. A year in Lyon left him with a desire for fine wine, and the ability to ski with finesse. He went on to graduate from New York University School of Medicine in 1967 and did his residency in neurology at the University of California, San Francisco. He completed a postdoctoral fellowship at Johns Hopkins University and was senior staff fellow in neuroimmunology at the National Institutes of Health. In 1982 he was appointed associate professor of neurology at the University of California, San Francisco and, in 1988, professor of neurology at the University of Maryland School of Medicine. He arrived in Vermont in 2000, where he worked as professor of neurology at the College of Medicine where he continued to pursue the subject that guided his entire professional life - the identification and treatment of multiple sclerosis. Known for his pioneering work in the field of MS, Dr. Van Buren guided the establishment of the Multiple Sclerosis Center at the University of Vermont and developed clinical trials for a wide range of drugs that are now standard treatment for MS. His published work, numbering hundreds of articles, appeared in leading journals and was recognized nationally and internationally. Among his many honors, he received the 2010 Partners in Progress Award from the Vermont office of the National Multiple Sclerosis Society’s Greater New England Chapter. Just weeks before his death he was selected as Senior Researcher of the Year by the University of Vermont and Fletcher Allen Health Care in recognition of the depth and breadth of his work.

Hill S. Panitch, M.D.
Dr. Panitch died in Vermont Respite House on Dec. 23, 2010, thirteen months after being diagnosed with melanoma. He was 70 years old. He was a 1962 Phi Beta Kappa graduate of Wesleyan University, where his degree in French led to his being awarded a Fulbright Scholarship. A year in Lyon left him with a desire for fine wine, and the ability to ski with finesse. He went on to graduate from New York University School of Medicine in 1967 and did his residency in neurology at the University of California, San Francisco. He completed a postdoctoral fellowship at Johns Hopkins University and was senior staff fellow in neuroimmunology at the National Institutes of Health. In 1982 he was appointed associate professor of neurology at the University of California, San Francisco and, in 1988, professor of neurology at the University of Maryland School of Medicine. He arrived in Vermont in 2000, where he worked as professor of neurology at the College of Medicine where he continued to pursue the subject that guided his entire professional life - the identification and treatment of multiple sclerosis. Known for his pioneering work in the field of MS, Dr. Van Buren guided the establishment of the Multiple Sclerosis Center at the University of Vermont and developed clinical trials for a wide range of drugs that are now standard treatment for MS. His published work, numbering hundreds of articles, appeared in leading journals and was recognized nationally and internationally. Among his many honors, he received the 2010 Partners in Progress Award from the Vermont office of the National Multiple Sclerosis Society’s Greater New England Chapter. Just weeks before his death he was selected as Senior Researcher of the Year by the University of Vermont and Fletcher Allen Health Care in recognition of the depth and breadth of his work.

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One man. One medical degree. One career. One generous spirit. In the case of the late Thomas Sullivan, M.D.’66, it all added up to thousands of patients treated through his practice in Vermont and New Hampshire, hundreds of medical students taught in his years as an associate professor at Dartmouth, and now — countless UVM medical students, faculty, staff, and community members who will benefit from the legacy of Dr. Sullivan’s generosity to his medical alma mater.

Tom Sullivan’s record giving has helped the College’s educational mission in many ways, and is commemorated in the new Clinical Simulation Laboratory where medical and other health profession students, clinical residents, and members of the Vermont National Guard hone their skills; in the renovated Carpenter Auditorium where students and members of the public are educated; and in the Sullivan Classroom, where first-year medical students are introduced to their vocation.

Dr. Sullivan took his deep appreciation for all the College of Medicine had given him and transformed it, through his generosity, into the kind of improvements that will have a lasting positive impact for generations to come.

For more information about how you can support the College of Medicine and its students, please contact the Medical Development and Alumni Relations Office.

University of Vermont College of Medicine
Medical Development & Alumni Relations Office
(802) 656-4014 | medical.giving@uvm.edu
www.med.uvm.edu/giving

March 22, 2011
2:00 p.m.

Medical student Melissa Romero ’13 (center) and Clinical Assistant Professor of Family Medicine Karen Sokol, M.D.’03 (left) pay a home visit to Dorothy Perkett as part of Romero’s Family Medicine clerkship.

photograph by Raj Chawla, UVM Med Photo

The Power of One
There to Help

Second-year medical student Felicia Bahadue traces her dream of becoming a doctor back to the turbulent days of the summer of 1992, when large swaths of her native south Florida lay in ruins after Hurricane Andrew. In the midst of this devastation, Felicia saw her physician father and nurse mother quickly create a free clinic. As she describes it: “It started off as a physician and a nurse standing on the side of the road with a stethoscope around my dad’s neck and a sign in my mom’s hand that read ‘We’re here to help.’ I have always wanted to serve others the way they did, and after beginning a medical education I have been given an opportunity to be trained in a field that represents dedication, compassion, altruism, and leadership.”

Felicia’s dream became a reality in part through the generous support of The Starr Foundation, a longtime supporter of UVM. Over the past two years, the foundation has donated $200,000 to a C.V. Starr Scholarship Fund at the College of Medicine.

Like The Starr Foundation, other private foundations, including family foundations, can provide vital philanthropic support that allows the UVM College of Medicine to fulfill its mission of preparing exceptional people like Felicia Bahadue for successful careers serving our communities as physicians or medical researchers.

If you are associated with a foundation that would consider supporting medical education and research at UVM, please contact:

Michael J. Healy
Director, Medical Corporate and Foundation Relations

University of Vermont College of Medicine
Medical Development & Alumni Relations Office
(802) 656-4469 | Michael.J.Healy@uvm.edu