**$6.8 million gift was inspired by donors’ struggle**

It’s a little-known fact that researchers spend much of their time chasing money instead of actually doing research. “I used to spend six months of the year writing grants, and rewriting grants, and reviewing grants,” says Dr. Robert Drake, the Andrew Thomson Professor of Psychiatry at DMS.

**Addiction:** A major focus for Drake and his team at the Dartmouth Psychiatric Research Center (PRC) is studying and developing ways to treat people afflicted with both mental illness and addiction. “Of course, if you spend half your year just doing the fund-raising, you get to spend only half your year doing the research and writing it up.” That’s why, Drake continues, “it’s just so much better to work with private foundations.”

One foundation has been especially generous in supporting Drake’s work. Several years ago, the West Family Foundation donated $2.5 million to the PRC, and recently Alfred and Loralee West pledged $6.8 million more. The couple’s struggle to help their own son is what has inspired their philanthropy.

“He is drug- and alcohol-addicted and he has schizophrenia,” says Loralee West of her son. “Until we met Bob Drake seven or eight years ago, we didn’t think there was any hope of ever getting treatment” for him.

Addiction is the most common co-occurring health problem among people who have severe mental illness. For example, nearly 90% of those with schizophrenia smoke cigarettes. Yet finding treatment programs that adequately address the combination of mental illness and addiction is difficult.

“Al and I felt [that] if we could save one person from going through what we had to go through, ping-ponging back and forth to nine different institutions, . . . that that would be worth it,” says West. “Fortunately, our son is taking advantage of all the research that Bob and his group have done.” She calls that “an added bonus” of their support for the PRC.

**Substance:** The PRC’s approach is unique. Its researchers study co-occurring substance and mental disorders at all levels—from animal studies to medication trials to psychosocial interventions to models for treatment.

The center is also committed to disseminating its work. The Wests’ first major gift was combined with monies from the U.S. Department of Health and Human Services (DHHS), the Robert Wood Johnson Foundation, and other sources to develop educational and training “tool kits” to help providers in other states apply what Drake and his colleagues have discovered and developed.

Drake initially welcomed the DHHS involvement because the agency promised to print and disseminate the tool kits for free. “But I didn’t realize that the federal review process would put a five- or six-year time lag into getting things out,” says Drake. So he and his team used private funds, including from the Wests, to distribute the tool kits themselves electronically. “We’re now publishing things that are two or three versions ahead of what the federal government has still been unable to get out.”

The latest gift from the Wests will help the PRC study what interventions work best for people with co-occurring disorders and then incorporate that information into what Drake calls “electronic decision support systems.” These software programs will help patients, as well as their families and health-care providers, choose treatment options that best suit each individual’s preferences.

**Innovative:** “It’s very hard to work through government to do things that are really creative or innovative or even that need to get done quickly,” says Drake. That’s why he’s so grateful to the Wests. “It’s just been wonderful to partner with them,” he says.

Jennifer Durgin
HALF A CENTURY OF HELPING

When Rachael Bergeron took her first job at Hitchcock as a typist, it was the summer of 1956 and she’d just graduated from Lebanon, N.H., High School. Soon after, she became one of six medical secretaries who scheduled all outpatient appointments. As the institution grew, she joined the Department of Rheumatology—and is still working there to this day. She is only the second employee in DHMC’s history to reach the 50-year milestone.

Because she was so skilled at helping patients, Hitchcock even established a “Call Rachael!” phone line, which was advertised locally from 1986 to 1991; she would often use her bilingual capability to help French-Canadian patients.

“She’s just an absolutely wonderful person,” says Dr. James Morgan, a DHMC rheumatologist who had Bergeron as his secretary from 1975 to 2005. “I think everybody who interacts with her knows that. Hopefully we will have a lot more people who will follow in Rachael’s footsteps. I think she’s going to work another 20 years. She loves working at DHMC—it’s like her second family.”

A FAST BOAT TO CHINA

It’s rare for an athlete to participate in Olympic games that are 16 years apart. But Dr. Kristine Karlson, a sports medicine physician at Dartmouth, competed as a member of the U.S. Rowing Team at the Barcelona Games in 1992, and she’ll be at the summer 2008 Games in Beijing—not as a competitor but as a team physician for the U.S. Rowing, Canoe/Kayak, and Triathlon Teams.

While Karlson is ready to treat anything from sore throats to injuries to infectious diseases, she’s especially concerned that Beijing’s poor air quality may be a problem for the athletes. She and her medical colleagues have considered packing carbon filtration masks, but they remain hopeful that the city will reduce the pollution sufficiently before the summer.

Karlson, who was the first woman to win two World Championship gold medals for sculling and has been a member of the DMS faculty since 1997, will help the competitors cope with mental stress, too. “I can certainly understand the mind of an athlete,” she says, “because I’ve been there.”

IN A WORD: Dartmouth linguist Lewis Glinert studied the names of common cancer drugs and concluded that they often contain sounds associated with lightness, smallness, and speed. He thinks this may have a subtle effect on patients.

Fostering cross-disciplinary communication

In 1999, the Institute of Medicine released an alarming report blaming 98,000 deaths a year nationwide on medical errors. Ever since, there’s been stepped-up attention to healthcare quality and patient-safety issues. One cause of errors can be poor communication among providers, especially those in different disciplines.

Reduce: “Increasingly, we are seeing the call for more interprofessional communication in health care . . . to improve quality, enhance patient safety, and reduce waste and redundancy in the system,” says Susan Reeves, a vice president at DHMC as well as chair of nursing at Colby-Sawyer College in New London, N.H. “The problem is we do very little in health-profession education—medicine, nursing, pharmacy . . . to actually teach students how to best communicate among the various disciplines.”

A number of academic medical centers, including DHMC, have started tackling the communications problem head-on. They are encouraging students to work together in interdisciplinary teams so they can learn to communicate effectively with one another.

Case: For the past three years, Dartmouth has sent a team to a national contest at the University of Minnesota called the Clarion Interprofessional Team Case Competition: A Systems-Based Practice. The organization has hosted local competitions since 2002 and national ones since 2005. The Dartmouth team includes one student each from DMS’s M.D. program, DMS’s health-policy program, Colby-Sawyer’s nursing program, and the University of Connecticut’s pharmacy school.

The members of the Dartmouth team used to be chosen by DMS faculty. But this year, Dr. Greg Ogrinc, director of the Office of Research and Innovation in Medical Education, ran a local contest to give more students a chance to work together. In February, five interdisciplinary teams presented, to a panel of judges, an analysis of the causes of a typical medical error—and their recommendations for systems changes to prevent future such errors. The test case, a composite of several real cases, involved a suspected overdose at an Arizona hospital.

The winning group—M.D. student Sharon Silveira, master’s of public health student Kumkum Sarkar, nursing student Taylor Forsberg, and pharmacy student Jonathan Reynolds—was
A prescription for doctors: Avoid medical jargon

The stories are heartbreaking.
Take this one, for example: An elderly man goes to the emergency room because he thinks he has a kidney stone. He is treated and sent home after getting some x-rays. Not long after, he receives a letter stating that he has calcium overlying his kidneys. With the letter is a copy of the x-ray report, verified by a radiologist.

The patient, unfamiliar with medical terminology, assumes that “calcium” is a code word for cancer and that a radiologist is a cancer specialist. Devastated, the man endures five sleepless nights until his next appointment with his primary-care physician, Dr. Nancy Cochran, who explains to him that he does not have cancer.

**Stories:** Cochran, an associate professor of medicine at DMS, sees patients at the VA Medical Center in White River Junction, Vt., and teaches DMS medical students. She can tell many stories like this because many patients have difficulty understanding basic medical information. According to the National Assessment of Adult Literacy, conducted in 2003, about a third of Americans have low health literacy, meaning they can’t read basic charts or determine what time a prescription medication should be taken based on the drug label.

Low health literacy can lead to medication mistakes, missed appointments, and poor adherence to doctors’ recommendations, to name just a few side effects. The lower people’s health literacy, the poorer their health tends to be, the National Assessment found.

**Virtuous:** “I used to think I was so virtuous, talking to my patients about body mass indices and showing them charts,” Cochran says. But, she later realized, “a significant number of them had no idea what I was talking about.”

Now Cochran asks screening questions when she suspects a patient has low literacy and suggests that students and her colleagues at the VA do the same. “How comfortable are you with how you read?” she’ll ask. Or “How often do you need help understanding materials that you take home from the hospital?”

“I’ve had fascinating conversations with people since I’ve started asking these questions,” she says. “Occasionally patients will literally burst into tears,” says Cochran. “I’m so glad you asked, Doctor, because I don’t understand anything you send home but I was afraid to admit it.”

**Plain:** In the On Doctoring course for first-year medical students, Cochran teaches techniques for clear communication. She tells students to slow down, use plain language, show or draw pictures, limit the amount of information they provide, repeat important points, and use the teach-back approach. In teach-back, a doctor might say, “I know I’ve covered a lot and I want to make sure I was clear. When you get home, how are you going to explain what I’ve told you to your spouse?”

The techniques seem simple enough, but students—and practicing physicians—can have difficulty letting go of the fancy, precise terminology they spent so much time learning, says Cochran. To help them do that, she has them brainstorm simpler words that can be used instead of medical jargon and engage in other similar exercises.

**Fancy:** The ultimate test comes in the form of what’s known—in that fancy terminology Cochran counsels against—as an objective structured clinical exam. The way it works is a student interviews a patient-actor, and the interaction is taped. Then the student gets feedback from a faculty observer and can later watch the tape.

At the White River VA, Cochran gives talks on health literacy to fellow physicians, as well as to nurses, clerks, technicians, social workers, and “anyone who will listen,” she says. She also helped revise many of the written materials given to patients at the VA. Cochran has lectured on the topic regionally and nationally, too, in her role as a faculty member of the American Academy of Communication in Health Care.

Still, she’d like to be doing more to improve communication between providers and patients. “We really cause a lot of pain in patients by not communicating clearly,” she says.

Jennifer Durgin
SPROUT’S HONOR: When a Johns Hopkins study showed that a broccoli sprout extract might ward off skin cancer, DMS’s Dr. Michael Sporn, a pioneer in chemoprevention, was asked for his opinion. “It’s very important work,” he told the Washington Post.

Faculty are fond of a garden-variety avocation

Let’s face it: Being a health-care provider is not a job for sissies. The hours are long and the decisions are often a matter, quite literally, of life and death.

Labor: So how do doctors and other caregivers unwind at the end of a stressful 10- or 12-hour day? Some find relaxation in a cold beer and ESPN. Others recharge their batteries by hoeing and weeding and, later, gathering the fruits—or flowers—of their labors. Gardening, some DHMC providers have found, can be a great way to relax.

Dr. Peter Mogielnicki and his wife, Nancy, number among the dedicated gardeners on the DMS faculty; he was longtime chief of medicine at the VA Medical Center in White River Junction, Vt., and she’s a pediatric physician assistant at DHMC. Back in 1977, they bought a house in Plainfield, N.H., that came with an attached greenhouse.

Peter Mogielnicki starts seedlings there in the late winter—some 1,000 to 3,000 of them each year. He cultivates not only vegetables, but also annual and perennial flowers. Eventually, they started a small cut-flower business that they ran for 12 years, selling to restaurants and florists.

More hours: Nancy Mogielnicki struck a deal with DHMC some years ago: she’d work more hours in the winter—when flu and pneumonia are prevalent—if she could work fewer in the summer. As for her husband, he finds there are about three weeks of the growing season when there’s a conflict between doctoring and gardening. In early spring, he must rush home at noon to move his seedlings out of the greenhouse so they don’t fry.

The Mogielnickis both find gardening a perfect way to unwind. “I don’t think of weeding [as] a chore—it’s a way to channel my aggression in a productive way,” he says. For her part, she sees gardening as a “blend between science and physical labor and art and other forms of creativity and business and nutrition and mental health. Flowers make people happy.”

Dr. Patricia Glowa, a family physician, states unequivocally, “I consider gardening to be good therapy. It’s wonderful to watch things grow and develop.” Glowa grows both flowers and vegetables but does not regard herself as a compulsive gardener. “I think of myself as a Darwinian gardener. If [the plants] make it, great. If they don’t, I’m not responsible.”

Love: Glowa began gardening in Springfield, Vt., at age nine when she discovered a volunteer squash plant growing in the family’s compost pile. “It was mine. I had to love it,” she recalls. Now she grows a little of everything. “If I let myself walk out the back door, I won’t come back for half an hour—or two.”

The one thing that Glowa does not have—even though she is one of the few physicians in DHMC’s family medicine group who still delivers babies—is a cabbage patch.

And, she adds, “I don’t have any storks’ nests either.”

Henry Homeyer

A reminder of the pace of change, and of timeless truths, from the Mary Hitchcock Memorial Hospital 1978 Annual Review:

“Good medical care is no longer viewed as a luxury of those who can afford it, but as a service to be provided to all who want it. Wide public concern with the provision of health care, a product of that changing viewpoint, has resulted in significant responses on both the federal and state levels. These responses are concerned with the quality and cost of health care and [its] accessibility and availability.”

$3.3 million
Uncompensated and charitable care provided by Hitchcock in 1978

$63.0 million
Uncompensated and charitable care provided by Hitchcock in 2007

Family physician Pat Glowa considers digging in the dirt “to be good therapy.”

JON GILBERT FOX
Website asks patients: “How’s your health?”

Thousands of patients in Chicago, Ill.; Long Beach, Calif.; and other cities across the country may not know it, but they’re being cared for, in part, by a member of the Dartmouth faculty. Those are among the cities where large numbers of doctors have asked their patients to go online and, before their next appointment, fill out a survey at www.howsyourhealth.org.

The site was the brainchild of DMS’s Dr. John Wasson, a nationally recognized leader in health-care quality improvement; several of his colleagues in DMS’s Department of Community and Family Medicine; and Dr. Regina Benjamin, founder of a rural clinic in Alabama.

Specific: The survey is deceptively simple. After answering a number of basic questions, the patient gets back a summary of findings plus a list of sources of further information about his or her own specific health situation. An individual of average intelligence and health may at about that point be thinking, “So what? This isn’t telling me anything I didn’t already know —after all, who supplied the information in the first place?”

But there is much more to the site than meets the eye. It is only a small part of a system that has been 10 years in the making and is now improving the quality of care delivered all over the U.S. First, the website is a place where patients can collect and easily retrieve their own health information and concerns; 100,000 patients have now filled out the survey. Second, it provides patients with tools to inspire confidence in themselves so that, as Wasson puts it, they “can and should take control of [their] own health and health care.”

Anyone can use the site—not just those whose doctors have adopted it as a tool. For example, this writer filled out the survey and was told that at my next appointment I should ask my doctor, “What medications am I taking, in what doses, what are they for, and how much do they cost?” I was reminded to include nonprescription drugs, herbal medications, and nutritional supplements. And I was told to ask, “What vaccinations do I need to keep track of? And where can I get reliable information in a form I can understand so I can talk about my health in an informed way?” And that, the site’s creators feel, can’t help but improve outcomes.

Wasson and his team have recruited cities and organizations from all across the U.S. to sign on to use the site—at no charge. For example, in Chicago and Long Beach, they worked with the Chambers of Commerce. In Chicago, Mayor Richard Daley taped TV spots asking, “How’s your health, Chicago?” A sizeable segment of the population then went on the website and filled out the survey.

Innovative: Then comes an even more innovative and useful part of the system. When enough people in a city have filled out the survey, the aggregate information—stripped of personal identifiers—goes into a database that allows public health officials to make informed decisions about the quality and delivery of care. The state of New Jersey and the city of Milwaukee, Wis., have been particularly enthusiastic about this capability.

In addition, once enough of a
VITAL SIGNS

ALL THAT JAZZ: Dr. Norman Yanofsky, chief of the Section of Emergency Medicine at DHMC for almost 26 years, plays the keyboard in a jazz quartet; the group performs regularly in several local nightspots.

DMS experts help national journalists communicate clearly

What if your job description were to “rapidly process lots of complex, quantitative information which is often exaggerated and incomplete”? That’s a pretty accurate encapsulation of the job of a health-care journalist, according to DMS’s Dr. Steven Woloshin, a specialist in how medical information is explained to the public.

Media: He worries that much of today’s media coverage of medicine “creates excessive enthusiasm and certainty about medical research” and perpetuates misinformation. He’s doing more than just worry, though: he is one of the organizers of an annual Medicine in the Media conference, which aims to help journalists cut through ambiguities and avoid passing them along to their audiences. The conference is cosponsored by the National Institutes of Health and Dartmouth.

Response: “We believe,” says Woloshin, “that teaching journalists to use numbers and encouraging them to highlight cautions, [such as] study limitations, will go a long way in mitigating these problems.” The response, he adds, has “been amazingly positive.” Each year, about 50 print and broadcast journalists are chosen to attend from a competitive pool of applicants.

“The course served as a good primer,” says one of this year’s attendees, Barbara Brody, a health editor at Woman’s Day. It “will help me better evaluate scientific research.” Journalists must “question everything,” says another attendee, Margaret Williams, an editor at Babytalk magazine. “It’s important to accurately judge the findings of the research before delivering it to our readers—and this conference provided me with the tools I need to do so.”

Participants have also come from such places as ABC News, the New York Times, and the Wall Street Journal. The conference’s Dartmouth sponsors are the Veteran’s Affairs Outcomes Group and the Center for Medicine, the Media, and the Public (CMMP).

Held alternately in Bethesda, Md., and Hanover, N.H., the event includes tutorials in statistical analysis and design as well as lectures by experts on the challenges of health-care reporting. Woloshin and Dr. Lisa Schwartz, a fellow member of the DMS faculty, have played key roles in planning and teaching at the conference since its inception seven years ago; the two codirect the CMMP. For the past three years, they’ve been aided by another faculty member, Dr. H. Gilbert Welch.

The conference “is an amazing opportunity to work directly with journalists to teach them skills they need to help communicate the results of medical research to the public,” says Woloshin. “It’s lots of work, but it’s really gratifying.”

Worthy of note: Honors, awards, appointments, etc.

Ethan Dmitrovsky, M.D., the Andrew Wallace Professor and chair of Pharmacology and Toxicology, was named a clinical research professor by the American Cancer Society (ACS). This highly selective honor is the ACS’s top award; it recognizes career-long contributions to science and patient care and supports mentoring of future generations of researchers. The multiyear grant will support Dmitrovsky’s ongoing studies in the treatment and prevention of lung cancer.

Ann-Christine Duhaime, M.D., a professor of surgery, was named chair-elect of the Joint Section on Pediatric Neurological Surgery—a collaboration between the American Association of Neurological Surgeons and the Congress of Neurological Surgeons.

Charles Brenner, Ph.D., a professor of genetics, was named to the National Institutes of Health’s International Cooperative 1 Study Section for the Center for Scientific Review.

Catherine Pipas, M.D., chief of the Section of Family Medicine as well as assistant dean for medical education, has been appointed to the New Hampshire Board of Medicine.

Donald Mahler, M.D., a professor of medicine, was appointed to the Leadership Board of the American Lung Association’s New Hampshire chapter.

Jay Buckey, M.D., a professor of medicine, was named cochair of the 2008 New Hampshire Democratic State Convention in Manchester, N.H.

Catherine Carriere, Ph.D., a research assistant professor of medicine, received the 2008 Competitive Award from the Lustgarten Foundation for Pancreatic Cancer Research.

John Turco, M.D., an associate professor of medicine and Dartmouth team physician, as well as director of the Dartmouth College Health Service, was presented with the Distinguished American Award by the Joe Yukica New Hampshire Chapter of the National Football Foundation.

Marie Bakitas, D.N.Sc., an assistant professor of anesthesiology, received a two-year Junior Faculty Career Development Award from the National Palliative Care Research Center.

Marcia Herrin, Ed.D., an adjunct assistant professor of community and family medicine, with coauthor Nancy Matsumoto, received the Honors Award in the 2008 National Parenting Publications Awards Parenting Resources competition for their book The Parent’s Guide to Eat.