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## Students Make Career Shift To Non-Profits



Senior Kate Wagner-Friel hopes to work for Teach For America or the Boston Citizen Schools. (Photo: Bill DiLillo)

Motivated in part by Sept. 11, the downturn in the economy or perhaps some fundamental shift in social mores, students like Kate Wagner-Friel – at UVM and at colleges and universities across the country – are turning to careers in the non-profit sector in droves.

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Jim Cross has to know a lot about cars and people to do his job. His knowledge of the Human Genome Project was gained painfully, if gratefully. He was among the first 10 participants in a groundbreaking study, launched in 1998 at UVM and 11 other sites across the country.

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### UVM Bookshelf

Covering topics that range from democracy and African theatre to pithy proverbs and Vermont's Northeast Kingdom, the newest books by UVM faculty and affiliates entertain and inform.

## THE WEEK IN VIEW

**March 28 7:30 p.m.**  
**Film: *El Norte*, 427 Waterman. 656-3196.**

**March 28 8-10 p.m.**  
**Coffeehouse: "Showcase of Performances by Living/Learning Programs." Fireplace Lounge, Living/Learning Center. 656-4200.**

**March 30 7-9 p.m.**  
**"ALANA Talent Showcase," North Lounge, Billings. 656-6076.**

**April 2 4 p.m.**  
**Lecture: Lawrence Eagleburger, former secretary of state, "Foreign Affairs in the Aftermath of Sept. 11," Ira Allen Chapel. 656-3186. See article in this issue: [Eagleburger](#)**

**April 2 6 p.m.**  
**Community Med School: Understanding Post-Traumatic Stress Disorder. William Falls, psychology. Carpenter Auditorium, Given. Register: 847-2886**

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**Little Deuce Cupolas**

In a scene worthy of the art department surrealists below in Williams Hall, a four-ton cupola floats in space on March 18 on the way to its final destination.

Restorers from Milton's Vulcan Supply Corp. reinforced the copper caps during a two-and-half months renovation. Williams was hatless from November on, but is now back to its proper Victorian ornamentation. *(Photo: Sally McCay)*

**It's Not All in Your Head**

Neither dark of night nor unplowed parking lots nor construction detours kept 40-plus people from reaching the March 26 evening Community Medical School at Given to find out "Why Migraine is *Not* Headache."

If they felt a bit contentious about his title, presenter Dr. Robert Shapiro understands. The assistant professor of neurology and director of the headache clinic at Fletcher Allen Health Care, treats migraines, gets migraines and studies migraines. And, he knows that, for most people, migraine is synonymous with headache.

He didn't consider canceling the presentation because of the fierce storm, he said, because he knew migraine people would forge any barriers to find answers to the debilitation that, for many, controls their lives. They were rewarded with a multi-pronged exploration of the migraine syndrome by the broadly knowledgeable Shapiro, whose six degrees include studies in philosophy, psychology, anatomy, biology and medicine.

**What is Migraine?**

"Migraine is a condition or state of the brain," Shapiro said. Headache is just one symptom and one that some people with migraine don't experience. The headache usually occurs on just one side of the head; it throbs and is moderate to

**Ex-EPA Chief Argues for the Right Regulations**

Are we fiddling with numbers and studies while the planet burns?

Carol Browner, former administrator of the Environmental Protection Agency during the Clinton administration, fears that we are.

After beginning her March 25 talk at Billings Campus Center Theater by throwing out a dispiriting passel of statistics, the seasoned environmental lawyer, consultant and administrator argued for a framework for creating new public health and environmental standards. Public debate and engagement, in Browner's view, are essential. Endless studies and re-studies are not.

She also criticized overreliance on cost-benefit analysis, a system of analyzing the expense and value of new rules that is currently gaining increased academic and political traction.

"I object to this tool of cost-benefit analysis being used to dictate the outcome of a regulatory decision," Browner told the audience at the second in a series of UVM Environmental Literacy Seminars. "I don't want to live in a society where everything from the quality of the air we breathe to the purity of the water we drink is driven by cost-benefit analysis."

Browner doesn't completely reject such studies, but she finds their application limited. Such studies often wildly overestimate the costs of decisions, either because of self-serving arguments from opponents or because they can't account for how rapidly new technology can come online to lower the cost of meeting new rules. Measuring benefits is also tricky and subjective. How much is a life worth? A clean stream?

So how do we make environmental rules, then? Browner argued for four main considerations:

- We should set strong pollution standards even when there are scientific questions about them. "If regulatory agencies are forced to wait until every question is answered, they'll never be able to do anything," she said.
- We should set these strong standards even without knowing precisely how they will be met. "We're an ingenious country," she said.
- We also shouldn't hesitate to make a rule supported by good science when its costs seem to outweigh its benefits.
- We need to debate new rules. Vigorously.

severe on the pain scale. Often, it's accompanied by sensitivity to light, sound, odors, even touch. Sometimes, it's accompanied by nausea, vomiting and sinus congestion.

Many other symptoms are "co-morbid" – meaning they frequently occur with migraine – including depression, anxiety, chronic fatigue, sleep problems, asthma, diabetes, stroke and epilepsy. Migraine is idiosyncratic, Shapiro told the audience. Each person's experience with it differs, but the episodes tend to recur similarly in the individual. Although you likely have inherited a tendency toward migraine, it needs provocation to appear, and that, too, shows variety: various foods, sleep disturbance, glaring sunlight are just a few.

#### **Who Gets Migraine?**

More women than men have migraines, and their occurrence at the beginning of menses or before menopause directs suspicion at estrogen, Shapiro said. Both men and women may experience symptoms before – sometimes days before – the onset of headache. Those can include moodiness, gastro-intestinal problems and muscle stiffness. About 20 percent of people who get migraines first experience a sensory aura, such as flashing lights or colors or tingling in their limbs.

#### **What Helps?**

What helps – a long list of over-the-counter and prescription drugs, Shapiro said – also can hinder. He called migraine "the silent epidemic," because of its growing prevalence. Shapiro said 4 percent of people have chronic headache, and he has patients who have headache every day of their lives. He believes it's a case of too much cure. When the substance that gives people relief during an acute attack begins to dissipate or is withdrawn, the result is a rebound headache, he said.

Although you need to track your own experiences to find what patterns might be triggering your migraine, Shapiro believes everyone should emphasize prevention. "Migraine likes clean living," he said: Avoid oversleeping, have stable meal times and integrate exercise in your life.

And, if you would like to be part of a cluster headache or migraine research study, call Gale Weld at 656-7717.

"The quality of a decision is far better when citizens are engaged and participate in the process," Browner said.

Browner's lecture was the second environmental literacy seminar sponsored by the Environmental Program, the School of Natural Resources and the Student Government Association. The final lecture is on April 8 and features Greg Watson, vice president for sustainable development and renewable energy with the Massachusetts Technology Collaborative.

#### **UVM in the National News**

Recent national media placements reflect the breadth of UVM's expertise and appeal. Among February's notable appearances were ....

- A unique take on basketball's importance captured the attention of *USA Today* in early February with a story on UVM's week-long hosting of a workshop for coaches from Palestine and Israel. **Jeff Schulman**, assistant director of athletics, collaborated with Israel's Peres Center for Peace to make the event possible. "The idea for this," said Schulman, "is to remove them all from the politics of the region and give them the opportunity to interact with each other in a neutral setting."
- **Wolfgang Mieder**, professor and chair of the Department of German and Russian, was featured on National Public Radio's "Humankind" series, which later aired on VPR. Mieder's documentary, "Proverbial Wisdom," chronicled a yearlong project teaching proverbs and their morals to Milton fourth-graders.
- **Dr. Joseph Hagan**, clinical professor of pediatrics, chairs an American Academy of Pediatrics committee that has drafted a policy statement supporting adoptions by the partners of gay men and lesbian parents. Hagan was quoted in a front-page *New York Times* article that also ran on the Associated Press national wire and appeared in the *Los Angeles Times*; *USA Today*; *New York Newsday* and *Yahoo!News*.
- **David Huddle**, professor of English, continues to receive literary acclaim for his recent novel, *La Tour Dream of the Wolf Girl*. *The New York Times* and the *Washington Post* ran reviews on Huddle's novel.
- A Feb. 19 *Washington Post* article on smoking cessation featured comments from **Dr. John Hughes**, professor of psychiatry and associate professor of family practice.
- **Jean Harvey-Berino**, associate professor of nutrition and food sciences, led a UVM study that found increasing calcium intake while dieting resulted in more pounds lost. The study, based on a weight loss program involving 181 women, was featured in the February 2002 issue of *Self Magazine*.

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**Foreign Affairs After Sept. 11**

Former Secretary of State Lawrence Eagleburger will outline his views on American foreign policy and the war on terrorism on April 2, at 4 p.m., in Ira Allen Chapel. For more information, see the story below. (*Publicity photo.*)

**Eagleburger to Speak on Post-Sept. 11 Foreign Affairs**

Lawrence Eagleburger, former U.S. secretary of state, will visit campus April 2 to deliver a lecture on "Foreign Affairs in the Aftermath of September 11th."

Eagleburger, who served as deputy secretary of state from 1989 to 1992, was sworn in as secretary in December 1992 by President George Bush. He left office in January 1993 when Bush's term ended. He currently is chair of the International Commission on Holocaust Era Insurance Claims.

A career foreign diplomat, Eagleburger was executive assistant to Henry Kissinger during the Nixon administration, ambassador to Yugoslavia in the Carter administration and under secretary of state for political affairs in the Reagan administration.

In an online chat at CNN.com in November, Eagleburger praised the "wonderful people of New York City" for their laudable reaction to Sept. 11. "...we saw the best of what America can be, and it's not the sophisticated intellectuals who sit at universities and natter amongst themselves," he wrote. "It was the policeman, the fireman, the average New Yorker who demonstrated the real guts of this country."

Answering a question about President Bush's handling of the "war on terrorism," Eagleburger gave Bush "an A+," with reservations for the long-term outcome: "A lot of us Americans will get

**Sacred Fire To Burn Against Sexual Violence**

For Stephanie Morgan, program coordinator at the UVM Women's Center, fire is a symbol of a commitment to end sexual violence.

To demonstrate her resolve, Morgan will fast and help to tend a symbolic fire for the four days it burns at 34 S. Williams. The blaze, modeled in part after the sacred fires in Abenaki culture that are used to purify and heal the spirit, will burn starting at noon on April 1. During the 96-hour ritual, Morgan will sleep at the center and welcome visitors who come to support the event or tell their own stories. Morgan is doing this not only to raise awareness but also because she is a survivor of sexual violence.

"It was a difficult decision to make that information public," she says, "but this issue is so important to me, I want to use every opportunity to build community among survivors who often feel isolated and alone."

"Every two minutes a women is raped in the United States," says Angela Quaranta of the Women's Rape Crisis Center.

Campus and community members are invited to witness the lighting of the sacred fire at noon on Monday, April 1, in front of the Women's Center. All also are welcome to visit the fire through Thursday to make an offering of sage, sweetgrass, cedar or a personal message on paper. The Abenakis believe that these offerings and prayers travel up with the smoke to the creator.

Morgan will not be alone at the site – volunteer fire tenders will help fan the flames day and night, and trained UVM and community volunteers will be available to talk with visitors. The sacred fire, co-sponsored by the Women's Rape Crisis Center, also will be the launching point for the annual community "Take Back the Night" march to commemorate April as Sexual Violence Awareness Month. The march will depart from the Women's Center April 4, at 6 p.m., and travel to the Burlington City Hall steps for a speak-out against sexual violence. A second gathering will follow at the First Methodist Church, 21 Buell St.

Information: Stephanie Morgan at 656-7892 or [stmorgan@zoo.uvm.edu](mailto:stmorgan@zoo.uvm.edu)

**UVM Bioethics Seminar on VPT Probes Thorny Issues**

Harvard Law School professor Arthur Miller

tired of this fight after a while and start wanting to find some compromise, which would in effect mean that the terrorists had won the war."

Eagleburger has received the Distinguished Honor and the Distinguished Service awards from the Department of State. In 1994, Queen Elizabeth II awarded him an honorary knighthood.

Eagleburger's lecture will be held in Ira Allen Chapel at 4 p.m.

Information, 656-3186.

### **ACLU Speaker to Address Effects of Patriot Act on Academe**

Benson Scotch, executive director of the American Civil Liberties Union of Vermont, will speak about the USA Patriot Act and its effects on libraries, information technology and academe on April 1, 3:30-5 p.m., in Memorial Lounge, Waterman.

The USA Patriot Act (Public Law 107-56 (2001)), whose full title is "Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism," was passed quickly after the terrorist attacks of Sept. 11. Text of the Act may be viewed at [Patriot Act](#).

Scotch's talk is sponsored by the UVM Libraries and is free and open to the public. Information: Nancy Portnow, Collection Management Services, 656-1950.

### **Library Speaker Preserves the Futile and Obsolete**

Printmaker Brian Cohen, founder of Bridge Press of Saxtons River, Vt., publisher of limited edition artist's books, will speak about the evolution of the press, on April 4, at 4 p.m. in Special Collections' Reading Room, Bailey/Howe Library. Cohen's talk will be accompanied by slides and books and prints from his studio.

"I am attracted to large, futile, and obsolete things. I love movement and transportation. I like things that people have placed in the world, and I like what we make that fails to remain vital and functioning over time but lurks about in the collective memory," Cohen says.

Brian's books, *Train*, *Zeppelin*, *Bridge*, *Town* and *Flower* and his etchings of sailing ships and animals will be on display March 15-April 20 in the library. Special Collections has an almost complete collection of Cohen's work.

Please RSVP to 656-2138.

evokes intense thinking and lively debate in a Fred Friendly Seminar called "Profits vs. Privacy: The Business and Ethics of Biotechnology" to be broadcast Friday, March 29, at 10 p.m. on Vermont Public Television. The Emmy-winning Miller came to VPT's Colchester studio last fall to moderate the seminar for UVM. VPT edited the session into a one-hour program.

Fred Friendly Seminars, many of which have been seen nationally on public television, were founded by their namesake, the late CBS newsman. They probe public issues by using skilled moderators such as Miller to pose complex, hypothetical situations to a panel. Panelists are assigned roles related to their real-life professions.

In "Profits vs. Privacy," Miller confronts his panel with this situation: A pregnant woman who carries a gene that will lead to a fatal cardiac disorder in middle age considers whether to have her fetus tested for the disorder. The dilemma sparks a spirited debate over such issues as genetic privacy, when and how corporations must share information about a drug or device gone wrong, the responsibilities of journalists who report on unproven therapies and the challenges to consumers of sorting through health information on the Internet.

Panelists include John Abele, founder/chairman of Boston Scientific Corp.; Charles Davis, president and CEO of MMC Capital; Susan Estabrooks, genetic counselor and study coordinator at Duke University Medical Center; Larry Feinberg, founder of Oracle Partners, L.P.; Gail Geller, ethicist and associate professor at Johns Hopkins School of Medicine; Gardiner Harris, health reporter for the *Wall Street Journal*; Karen Meyer, chief of staff to UVM interim president Edwin Colodny; Charles R. Ross Jr., director of Sen. Patrick Leahy's Burlington office; Dr. Burton Sobel, chair of the UVM Department of Medicine; and Richard Tarrant, president and founder of IDX Systems Corp.

See *the view's* article: [Fred Friendly Seminar](#).

### **Are You What You Do?**

If you're wondering what you'll be when you grow up – or if you're already doing it – UVM's Employee Assistance Program can help. Diane Freiheit will offer a workshop on "Doing What You Are: Finding the Right Career Fit," April 3, noon-1 p.m., in the Grace Coolidge room, Waterman. Freiheit will help you find the job or career that fits your personality.

Information and registration: 656-2100.

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March 27-April 2

### Awards and Honors

**Alan Ling** assistant professor of computer science, has been awarded the 2002 Kirkman Medal by the Institute of Combinatorics and its Applications (ICA). The medal is given to an outstanding member of the ICA in the early stages of his or her research career who has made important contributions to research. The ICA awards no more than three medals per year. The other medals went to faculty members at the University of Ghent and Tsukuba University.

**Kathleen Liang**, associate professor in CDAE, participated in the Federation of Business Disciplines-Association of Small Business and Entrepreneurship annual conference in March. She presented an article, "The Impact of Starting a New Venture on the Entrepreneur and Their Family: Expectations, Reality, and Willingness to Start Again," which the Federation Committee named winner of the 2002 Distinguished Paper Award. Since 1984, when this award was established, Liang was the first winner from a non-traditional business field. She also is the first winner whose work focuses on agriculture and resource issues and the first from the Northeast region.

Her presentation also was the lead article published in the latest edition of the *Journal of Business and Entrepreneurship*. Liang also conducted a symposium: "Service Learning and Teaching Entrepreneurship to Youth Groups: Exploring Different Approaches and Comparative Experiences."

**Mark Stoler**, professor of history, has received a Fulbright Senior Specialists grant to the University of Haifa in Israel. Beginning April 20, he will spend two weeks lecturing in the American Studies program and working with faculty member who are completing plans for a new graduate program in the area. Stoler, is among the first grantees under the new Fulbright Senior Specialists short-term grants program, which offers two-to six-week grants to leading U.S. academics and professionals to support curricular and faculty development and institutional planning at academic institutions in 140 countries. Stoler's areas of special expertise are U.S. diplomatic and military history and World War II.

**Dr. David Fassler**, clinical associate professor of psychiatry, is the recipient of the 2002 Francis J. Braceland Award for Public Service from the American Psychiatric Association (APA). Named in honor of Dr. Francis Braceland, who served as president of the APA from 1956-1957, and as editor of the American Journal of Psychiatry from 1965-1978, the award is presented in alternate years to a psychiatrist who has made outstanding contributions as an author, spokesperson, and publicist in the service of the mentally ill and disabled and in the art and science of helping. The award will be presented at the Convocation of Fellows during the Annual Meeting of the American Psychiatric Association in May.

**Pauline Ratnasingam**, assistant professor of business, has been admitted as a member of the *Information and Management Journal* advisory editorial board.

### Publications and Presentations

**Patrick Neal**, associate professor of political science, presented a paper on "Political Liberalism, Public Reason and Religion" at the Faculty Colloquia Series in Moral and Political Thought at Johns Hopkins University, on March 8.

**Donna Kuizenga**, professor of Romance languages, recently published three articles: "Romanière à succès, succès de romanière. Mme de Villedieu et les topoï," in *Homo narrativus: Recherches sur la topique romanesque dans les fictions de langue française avant 1800*; "Ce rusé d'Amour: les Ruses des

Annales galantes," and "Les Ruses du roman épistolaire sous l'Ancien Régime" in *Écriture de la ruse*. She also published two papers: "Espaces féminins? La topique des lieux dans les Nouvelles africaines et les Mémoires de la vie de Henriette-Sylvie de Molière de Mme de Villedieu." XVe Colloque de la SATOR, Ecole normale supérieure, \* Paris. November 2001; and "Une Altérité voilée: images de l'Afrique dans la fiction de Madame de Villedieu" at the 7th biannual meeting of the Centre International de Rencontres sur le XVIIe siècle, University of Tunis, Tunisia, March 2002.

\*Kuizenga is president of this organization (Société d'Analyse de la Topique Romanesque), which is dedicated to the study of narrative prose in pre-Revolutionary France. SATOR brings together researchers from 10 different countries in Europe, North America and Africa.

**Pauline Ratnasingam**, assistant professor of business, had an article accepted in the *Information and Management Journal* titled "Model of Inter-organizational Trust in Business to Business Electronic Commerce," Volume 15, Issue 1-2.

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## Students Make Career Shift To Non-Profits

By Jeff Wakefield



Senior Kate Wagner-Friel hopes to work for Teach For America or the Boston Citizen Schools. (Photo: Bill DiLillo)

Growing up, senior Kate Wagner-Friel remembers UVM alumna and Nobel Peace Prize winner Jodi Williams, a classmate of her mother's and family friend, as a character.

"She would joke around with my sister and me and she was very loving toward us," Wagner-Friel said, "but she was also blunt and straightforward. We were a little scared of her and just in awe of all the things she did."

Inspired by UVM's most famous social activist and by her educator parents, Wagner-Friel, a political science-psychology double major and Community Service Scholar, is following resolutely in their footsteps, determined to find a career that will allow her to make a difference in other people's lives.

"It's something I've always known about myself," she says. "I wouldn't be happy in my career or my life if I felt it was a stretch to justify what I was doing to make the world a better place."

Motivated in part by Sept. 11, the downturn in the economy or perhaps some fundamental shift in social mores, students like Wagner-Friel – at UVM and at colleges and universities across the country – are turning to careers in the non-profit sector in droves.

Applications to Teach for America have more than tripled this year. AmeriCorps and Peace Corps applications are up 30 percent and 20 percent respectively. Idealist.org, the Monster.com-like online source for non-profit job seekers, has seen its unique hits reach 20,000 per day. Responding to demand, Idealist.org has doubled the number of non-profit college career fairs it sponsors around the country to 18 this year.

At UVM, the trend is apparent in the brisk business being done by the Non-Profit Program in the Office of Career Services, which helps students explore service and social change careers in the non-profit and government sectors. The program has seen a 25 percent increase in the number of students it served this year, according to Ada Puches, assistant director for non-profit services.

"We're definitely seeing more activity," Puches says. "This generation of students grew up in the Roaring '90s. They've seen what a life focused on ambition and material goods can give you. A lot are saying, 'That isn't the only thing there is in life.'"

### Ahead of the Curve

UVM was several steps ahead of the trend when it established the Non-Profit Program in 1997, with funding provided by UVM alumni Robert and Meghan

### Gene Therapy

Jim Cross has to know a lot about cars and people to do his job. His knowledge of the Human Genome Project was gained painfully, if gratefully. He was among the first 10 participants in a groundbreaking study, launched in 1998 at UVM and 11 other sites across the country.

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Senior point guard Libby Smith extended her arms wide and bent her knees low to play frenzied defense in her team's March 20 Women's National Invitation Tournament quarterfinal game.

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Cioffi. Rob Cioffi recently was named to UVM's Board of Trustees. Since UVM established its Non-Profit Program, a number of other colleges and universities have followed suit, most recently Stanford.

Like her colleagues who work in the corporate sphere, Puches works with students to develop a career game plan, points them toward Web and print resources, sets them up with alumni, works with them to polish their resumes and interview skills and brings potential employers to campus. She puts a decidedly national emphasis on the employer visit program, bringing organizations like the Peace Corps; AmeriCorps; Teach for America; Habitat for Humanity; Acorn, a national anti-poverty organization; Volunteers for Peace and Youth Alternatives to campus.

### **High Level Counseling**

Puches is in a good position to attract high-profile employers to campus: she worked at a high level in the non-profit world herself. Puches received a prestigious Root-Tilden-Kern scholarship at NYU Law School, designed to assist in training law students in the tradition of public and community leadership. After graduating, she was a Revson Fellow at the Children's Defense Fund and regional director for the northeast chapter of Greenpeace.

"It's rare in career counseling to have someone of Ada's background and stature on campus," says Kath Connolly, assistant director of the Swearer Center at Brown University. "She's one of the people nationally who's really making a difference in this area."

Wagner-Friel says Puches' experience has helped her strengthen recent job applications to Teach for America and Citizen Schools. And, she's also reassuring. "Just the name 'non-profit' is scary," says Wagner-Friel, who hopes to make a career in public education policy. "It sounds like you'll be struggling to make a living." Puches "emphasizes that there are fulfilling careers in this field – or you can use the experience as a way to jump into another career. It's been a great experience working with her."

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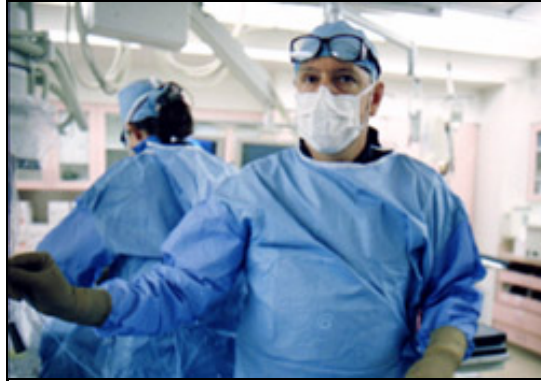
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## Gene Therapy Adds New Direction to Cardiac Treatment

By Jennifer Nachbur



Dr. Matthew Watkins is a national leader in angiogenic gene therapy. (Photo: Michael Sipe)

Jim Cross has to know a lot about cars and people to do his job. His knowledge of the Human Genome Project was gained painfully, if gratefully.

Cross, a service manager at Burlington's Lewis Motors, is a sixty-five-year-old cardiology patient who suffered for years from debilitating pain – often referred to as angina – caused by blockages in his coronary arteries. He was among

the first 10 participants in a groundbreaking study, launched in 1998 at UVM and 11 other sites across the country, that examined the safety and effectiveness of a new gene therapy designed to grow new blood vessels in coronary artery disease patients. Now – nearly four years since his treatment – Cross is working 10 and 11 hours a day, 5 days a week, and says the pain he used to endure whenever he walked more than a couple of yards is in check.

The first patient in the world to be treated with intracoronary gene therapy was at UVM, and just recently, the institution enrolled the first patient in the international Phase 3 trial, which will include 500 patients in the United States and 500 patients in Europe and Canada.

Last week, the American Heart Association's journal *Circulation* featured an article about the Angiogenic Gene Therapy trial that Cross was part of. According to Dr. Matthew Watkins, professor of medicine, lead investigator at this site and one of the lead authors of the *Circulation* report, "This field is definitely not going to go away now."

Called therapeutic angiogenesis, this experimental treatment is performed via catheterization – in which a thin tube is threaded through an artery up to the heart – and involves the injection of a growth factor gene into the coronary arteries. This gene product produces a protein that promotes blood vessel growth in the heart, where blockages in the arteries have prevented sufficient oxygenated blood from getting to the heart muscle.

Jim Cross's blockages were located in an unusual place – on the backside of his heart. They caused incredible back pain when he walked and prevented him from being a candidate for angioplasty or coronary artery bypass surgery. According to Watkins, patients who are ineligible to receive the typical treatments for coronary artery disease stand to benefit most from therapeutic angiogenesis.

Because the Phase 1 study was double-blind, randomized and placebo-controlled, none of the patients – including Cross – knew whether or not he or she received the active therapy. "I really think I got the active treatment," maintains Cross, "because I was able to walk longer stretches and do more than I had been able to before" after I had the procedure.

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Prior to receiving the therapy, study participants had to undergo a number of tests, including stress tests. "The stress test was the biggest problem I had before the angiogenesis," says Cross. He and the other study participants underwent exercise treadmill testing at 4 weeks and 12 weeks following treatment. Researchers found that patients who received therapeutic angiogenesis showed a larger improvement in exercise ability compared to those patients in the placebo group. The therapy appeared to be safe and well tolerated with no major adverse effects.

"This research has taken an initial, but significant, step in a new direction in the treatment of coronary artery disease," Watkins says. We are encouraged by these results and look forward to the findings from the Phase 3 trial."

These days, the nitroglycerin pills Jim Cross has used for 25 years are taken only as a preventive measure before he tackles especially strenuous work, such as mowing the lawn or snow shoveling. "There were a lot of tests to get through," he says, "but as I went through them, I kept looking toward the best result in the end. I think it was great."

To find out more about the study, contact research coordinators Michaelanne Rowan or Linda Chadwick at 847-4746.

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## Stunning Season

### Women's basketball squad wins first-ever postseason games

By Kevin Foley



Go cats, go: Players rejoice after icing a tournament victory against Holy Cross. The women's team also beat St. Joseph's before falling to Virginia Tech. (Photo: Sally McCay)

As persistent as a no-see-um in the Maine woods but with considerably more wingspan, senior point guard Libby Smith extended her arms wide and bent her knees low to play frenzied defense in her team's March 20 Women's National Invitation Tournament quarterfinal game. A small but throaty crowd imported from Vermont shouted, waving signs and pennants. Sophomore Aaron Yantzi whirled around the basket, throwing up shots over her gigantic opponents that, more often than not, rippled cleanly through the hoop.

But the Virginia Tech Hokies were too big, too fast, too accurate – and the game was too far, too far from Patrick Gym, the pocket-sized arena where an emotional team feasted on the emotions of their shouting fans all season. The Lady Cats lost big to the Big East team, 76 to 48.

"We have as much competitive fight as anyone," says Keith Cieplicki, women's basketball coach, "but fight can only take you so far."

From the vantage point of the end of the season plus one week, it is clear that the topography of fight extends quite a ways, if not quite to the West Virginia hollows. The 2002 edition of the women's team rebounded from a disappointing crash in the America East tournament to win the program's first- and second-ever post-season games. Cieplicki was named conference coach of the year, and Libby Smith, Morgan Hall, Aaron Yantzi and rookie Katie McNamara all earned conference recognition.

The team, obviously talented athletically, also was excellent academically – with nine members notching 3.00 or higher GPAs in fall, despite 20-plus hours a week spent practicing, traveling and playing. Even the *Burlington Free Press*, naturally skeptical of most things UVM, jumped in with a glowing editorial.

And the fans, who packed both WNIT games at Patrick, got a taste of both the early 1990's glory years and the sign-toting excitement of big time college hoops. A dedicated cadre of supporters braved lousy weather and 14 hours of interstate monotony to see the game in person. (The rest of us watched a special ABC-22 telecast.)

"It was amazing," says Anne Forcier, assistant director of alumni relations and a long-time fan. "Sitting in the stands, people from West Virginia told us that this was the largest crowd they had had for an away team all season. It was the middle of the week, the weather was horrible, and people drove or rode the bus all that way."

### [Students Make Career Shift To Non-Profits](#)

Motivated in part by Sept. 11, the downturn in the economy or perhaps some fundamental shift in social mores, students like Kate Wagner-Friel – at UVM and at colleges and universities across the country – are turning to careers in the non-profit sector in droves.

### [Gene Therapy](#)

Jim Cross has to know a lot about cars and people to do his job. His knowledge of the Human Genome Project was gained painfully, if gratefully. He was among the first 10 participants in a groundbreaking study, launched in 1998 at UVM and 11 other sites across the country.

### [UVM Bookshelf](#)

Covering topics that range from democracy and African theatre to pithy proverbs and Vermont's Northeast Kingdom, the newest books by UVM faculty and affiliates entertain and inform.

"I was thrilled," says Cieplicki. "I've talked a lot about those golden years and if we could ever bring back that level of excitement. And we did. The community appreciated the special chemistry and achievements of this wonderful group of players. The fans waited in long lines, traveled on the bus. It was better than I ever would have dreamed."

Even by the high-energy standards of a Division I coach, the lanky Cieplicki's enthusiasm stands out. So it's only natural that he's still buzzing even a full week after the most satisfying season he has had at UVM. His team played a record 32 games, with academics as strong as any squad he's ever had. And the future is also promising, even though he's bidding farewell to Libby Smith, whose knees scarred by seat dives and relentless competitiveness make her the personification of the fight and toughness the coach strives to instill in his team.

With a strong team returning, and an intriguing non-conference schedule, Cieplicki is looking forward to next year even as he recovers from the "emotional marathon" of the run to the WNIT semis.

"This season is something to build on," he says. "We're trying to make this program as good as it can be, with the resources and limitations we have. With four starters back and great recruits, there's a lot to look forward to. It almost scares me to talk about it."

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## UVM Bookshelf Spring 2002

By Lynda Majarian



Cover models: The latest books by UVM faculty and affiliates cover everything from Vermont's Northeast Kingdom to African theatre. (Photo illustration by Nick Ogrizovich III)

UVM alum Ben Minter (Ph.D. '01), Rowman & Littlefield Publishers. Can democrats be environmentalists? This collection of essays by prominent philosophers, political theorists and social scientists tackles the core questions raised by the intersection of our democratic and environmental commitments. Available April 28.

*Precolonial and Postcolonial Drama and Theatre in Africa*, co-edited by Lokangaka Losambe, associate professor of English, New Africa Books.

*International Proverb Scholarship: An Annotated Bibliography*, Supplement III (1990-2000), by Wolfgang Mieder, professor and chair of the Department of German and Russian, Peter Lang Publishing. This new volume containing 2,769 entries completes the registration of paremiological and phraseological publications from around the world that have appeared during the past two centuries.

*Liebt mich, liebt mich nicht: Studien und Belege zum Blumenorakel*, also by Wolfgang Mieder, Wien: Praesens. 2001. The history and variants of the so-called daisy oracle, "loves me, loves me not," showcases the expression's use in literature, art, cartoons, caricatures and advertisements.

*Granite & Cedar: The People and the Land of Vermont's Northeast Kingdom*, photographs by John M. Miller, adjunct professor of humanities, and text by Howard Frank Mosher, Vermont Folklife Center. Miller's arresting photographs capture the stark beauty of the landscape and resilient character of inhabitants of Vermont's Northeast Kingdom.

*Landscape Plants for Vermont*, by Norman Pellett, professor emeritus of horticulture, and Mark Starrett, assistant professor of horticulture, University of Vermont Extension. Available from Nancy Hulett, master gardener coordinator, [nhulett@zoo.uvm.edu](mailto:nhulett@zoo.uvm.edu). Proceeds from this helpful gardeners' handbook benefit the Vermont Master Gardeners' Program.

*Literate Experience: The Work of Knowing in Seventeenth-Century England*, by Lisa Schnell and Andrew Barnaby, assistant professors of English, St. Martin's Press. Bacon offered a theory of how knowing as a private act could be

*Vermont Air: Best of the Vermont Public Radio Commentaries*, co-edited by Philip E. Baruth, associate professor of English, University Press of New England. Twenty-six commentaries aired over the past decade and chosen for their literary value, timelessness and harmony. Available in June.

*Democracy and the Claims of Nature*, edited by Bob Pepperman Taylor, professor of political science, and

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transformed into a public one, an act related to the creation and maintenance of public authority. How, then, did thinkers in the period re-imagine civil society as a polity of knowledge? This study traces answers to that question. Available in June.

*English Studies: Reading, Writing, and Interpreting Texts*, edited by Toby Fulwiler and William Stephany, professors of English, McGraw Hill. Several UVM English professors contributed chapters to this textbook introducing students to the study of literature. Sections include reading as a writer, writing as a reader and reading as exploration.

*History of Science Syllabus Sampler*, by Henry Steffens, professor of history, History of Science Society Press. A sequel to the highly successful 1992 edition, volume two covers topics that include environmental history, gender, religion and the history of technology.

*Salomé Decapitada: Delmira Agustini y la estética finisecular de la fragmentación*, by Tina Escaja, associate professor of Spanish/Romance Languages, Rodopi Press. An analysis of works by 20th-century Uruguayan poet, Delmira Agustini, whose transgressive treatment of traditional female figures such as Salomé, Leda and Pygmalion reveals the inadequacy of existing systems to deal with the feminine as a speaking and writing subject.

*The Effects of the Nation: Mexican Art in the Age of Globalization*, co-edited by John Waldron, lecturer of Romance Languages, Temple University Press. What is the effect of a nation? The essays in this groundbreaking volume use the arts in Mexico to move beyond the national and the global to look at the activity of a community continually re-creating itself within and beyond its own borders.

*Dizionario Tedesco-Italiano, Italiano-Tedesco*, co-edited and co-translated by Adriana Hoesle, lecturer in Romance Languages, Zanichelli/Klett. Published by two major European presses, this Italian-German dictionary features more than 12,000 entries and also is available on CD-ROM.

*La Tour Dreams of the Wolf Girl*, by David Huddle, professor of English, Houghton Mifflin. Elliptical novel finds emotional parallels in 18th Century France and contemporary Burlington. For more, see [this story](#).

*The Woodchuck's Guide to Gardening*, by Ron Krupp, graduate alumnus, Whetstone Press. Krupp, a Vermont Public Radio gardening guru, writes that his new organic gardening book "travels down the garden path from germinating seeds in spring to saving seeds in fall." The book includes stories of northern gardeners as well as guides to foraging for wild plants in spring, planting by the stars in summer and putting food by in fall. Information: [Ron Krupp](#).

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