Cover Story:
Al Clark, Professor Extraordinarius
Page 16. Professor of the Year, three times over.

Epilepsy: The Electric Brainstorm
Page 22. How it is being tamed.

The Forrest Gump Illusion

\[ \frac{dP}{dt} = rP \left( 1 - \frac{P}{P_M} \right) \]
The Review welcomes letters from readers and will print as many of them as space permits. Letters may be edited for brevity and clarity. Unsigned letters cannot be used, but names of the writers may be withheld on request.

More Armchair Economics

Many of Stephen Landsburg's "Rational Riddles" (Winter 1994-95) are a problem only because he assumes that human behavior is rational. He knows that this is incorrect but says, "Rationality has a pretty good track record." What is that record? The riddles he propounds are all based on emotional behavior. The easy stuff in life is rational — except that, even with two boxes of cereal, the price per ounce in the bigger box may be higher than in the smaller (thus the grocer takes advantage of our "rational" behavior). The easy stuff in life is rational — except that, even with two boxes of cereal, the price per ounce in the bigger box may be higher than in the smaller (thus the grocer takes advantage of our "rational" behavior).

The first sentence of the article betrays the problem. Without the assumption that all human behavior is rational, economics would not be "scientific" and all the theories and computer models would be burdened with great margins of error. The current peso crisis is described as a "panic" by economists who now recommend actions, as they have so often in the past, to "restore confidence" in the currency of the country. This is in response to rational behavior?

I suggest a visit to the Department of Psychiatry over at the Medical Center to check out how much of human behavior involving the important things in life is rational.

William C. Combs '49M (MD)
Southern Pines, North Carolina

P.S. This is written in rationally high dudgeon.

P.P.S. Look up the definitions of "greed" and "fear"—emotions that are familiar to economists. There, I feel better!

I enjoyed economist Stephen Landsburg's article, "Rational Riddles," in the winter issue. Taking a similar view of medicine—from my position as a practicing cardiologist—I am struck with the impression that patients offer many examples of irrational behavior that is, in fact, rational. For example, I could not understand why people choose to smoke until I developed this theory: All of us like to succeed. The pattern of obsessively compulsively lighting and smoking cigarettes 20 or more times per day provides immediate gratification in terms of successful completion. Also, people who choose to smoke are hypnotically telling themselves that "this helps me relax, stay awake"—whatever! The "rational" expectation of illness is not a part of this decision-making tree as it is for most physicians (at least for those who don't smoke).

When I looked at cigarette smoking as a "rational" behavior, I concluded that it is rational for people to achieve stress reduction through this relatively inexpensive tool, since I find I spend more money on books, exercise, travel, and entertainment than I would if I chose to smoke. In the past, I was much more emotional (as opposed to rational) about other people's choices to smoke. The turning point came when one of my patients gave me a bumper sticker saying, "Your Worry About Our Smoking Can Be Harmful to Your Health!" I imagine that there are two possible explanations for this "gift": 1. The person was concerned about my health. 2. I was being warned that continued opposition might lead to some sort of hit on me!

One of the problems in medicine—and I suspect in economics—is that the answers keep changing. This truism was first brought to my attention during final exams in medical school at the University. One of our professors announced just before the exam, "Class, we have the same exam as last year—only the answers have changed!"

As I read the article, it occurred to me several times that one of the assumptions—in the context of economics—is that people generally make decisions for rational reasons. I sense that this is a useful theory since it forces us to look at behavior as intrinsically rational. On the other hand, the author and I are both aware that there are emotional reasons—like personal attraction to music or to another individual—for behavior. It seems to me that emotions explain a lot of the paradoxical behavior discussed in the article. For example, people vote—in spite of the fact that this can be viewed as an irrational act (in terms of how one vote affects the outcome of the election)—because it makes them feel good. The same thing can be said of many other behaviors.

To determine whether or not all this makes sense, I have made two rational decisions:

1. To write this letter.
2. To buy Professor Landsburg's book.

Have a happy heart!

Stephen R. Yarnell '60M (MD)
Edmonds, Washington

Professor Landsburg's book, The Armchair Economist, is an excellent read, a thought-provoking thesis, and a great buy. He is absolutely correct that quirky economic actions are almost always riddles for the economist to solve rather than blatant examples of irrational behavior. He misses with his (and my friend Ken McLaughlin's) explanation of low concert-ticket prices. Why would a rock group or promoter pass up higher ticket prices or a price structure that reflects seat location (both of which could bring in more money) in the hopes that young audience members will pay an extra $30 or more for a shirt (which costs money to make)? That's irrational.

The closest I've come to the correct explanation is that the money to be made in promoting and performing in concerts is so plentiful that promoters and bands are not squeezed to get the last dollar and that performers are relatively humble. This is similar to the reason baseball players strike: They can afford to.

If there are any Rochester alumni who are concert promoters, I invite them to let me set their ticket prices. I'll take my salary from the increased revenues and we'll both get rich.

Norman Umberger '91 (Mas)
Woodbridge, Virginia

Did Alzheimer's Lead to Hitler?

Your coverage of the neurological studies of Dr. Robert Joynt (Fall 1994 Review) raises the important question of what to do if a... (continued on page 3)
Departments

Rochester in Review 4
Rochester Gazette 38
Books & Recordings 42
Alumni Review 47
Class Notes 54
After/Words 68

Features

Al Clark, Professor Extraordinarius 16
by Tom Rickey
"I always take it as a personal failure if there is someone I cannot reach," says mechanical engineering professor Al Clark Jr., who has been known to grab his students' attention by setting their homework assignments in the context of a "Star Trek" adventure.

Epilepsy: The Electric Brainstorm 22
by Kathy Quinn Thomas
Until not so long ago one of the most misunderstood of human ills, epilepsy is now known not to be a disease in itself, but a symptom of disease. Further facts about the disorder are currently coming to light through work being done at the Medical Center's Comprehensive Epilepsy Unit.

The Forrest Gump Illusion 28
by Jeremy Schlosberg
"Electronic imaging shoots a bullet through the head of 'Seeing is believing' once and for all," says Willis Hartshorn '73, director of New York City-based International Center of Photography.

Reading Thomas 33
by Denise Bolger Kovanat
When composer Augusta Read Thomas is "in the work," as she puts it, "seven hours can go by in a minute. I love it." Who is this newest member of the Eastman composition faculty?
As regular readers of this page are aware, it is usually devoted to an essay by the University president. In this issue, however, as a way of introducing his new provost, President Jackson has turned the space over to Charles Phelps, whom he appointed as the University’s chief academic officer in one of his first “pre-presidential” acts.

A faculty member whose career has bridged the disciplines of the River Campus and the Medical Center, Phelps is professor of community and preventive medicine and also professor of political science and of economics. Among his University-wide activities, he served as chair of the faculty advisory committee that worked closely with a trustee committee during the recent search for the University’s ninth president, of which he writes below.

Presidential Searches and Self-Understanding

Presidential searches produce multiple important outcomes. First, of course, the committee members want to find the best possible person for the job. Second, just the process of defining “the best possible person” implies a lot of self-understanding by the committees involved and by the University community as a whole.

Third, the process can—and, at least in this instance, did—create a wonderful and important interaction between faculty and trustees.

And, finally, the process of thinking about University leadership sometimes infects people in ways they had not anticipated. In my case, that process gave me the “bug” of university leadership, which is why I am writing to you today as provost.

The work of selecting and attracting the new president involved, intensively, every member of both the faculty and trustee committees. We received hundreds of names to consider, eventually winnowing them down to the 20 or so in whom we were most interested. These 20 were each visited by a team including at least one trustee and one faculty member, and the resulting dozen “semi-finalists” were again interviewed, also by teams that mixed faculty and trustees in both formal and informal settings.

We eventually brought a handful of candidates to Rochester for more extensive discussions that now also included larger groups of students and University staff. Then the faculty committee met to make final recommendations to the trustee committee, which voted on its selection and made its report to the full trustees. They in turn elected—with great enthusiasm—Tom Jackson as the ninth president of the University.

Describing the steps in the process slides by some of the really important things that happened during the search. In order to “know” definitively the qualities we wanted in the new president, we held numerous discussions all across the campus to talk about the search and its goals. We also engaged in countless discussions among ourselves, both in meetings and on the road. These vital discussions meant that not only did we get to know the candidates and they get to know us, but that we also got to know each other and our views about how the University should best move forward.

The search process forced every participant to look beyond the narrower bounds of our individual departments, schools, or special interests and to take into account the well-being of the entire University. This “whole-university” vision has been infectious, creating a change of perspective from which there is no going back.

In my own case, the realization that the infection had taken hold occurred during the very last stages of the search, while I was sipping a cup of coffee with Alan Hilfiker ’60, a member of the trustee committee.

Although I’d been involved in University administration as a department chair, I’d never had a thought about someday taking on a broader position. But this day Alan had asked me to chat with him about the various presidential candidates who had come through as finalists, and I was describing to him how—while we had a group of really top people in the net—one of them, for me, absolutely stood out. To emphasize my enthusiasm for this candidate, I told him, “Alan, I like the others a lot, but I’d kill to be able to be Tom Jackson’s provost!”

Well, the phrase I blurted out to express my enthusiasm turned out to be only partly prophetic (I didn’t have to resort to violence). Although I’d never thought of the idea before the seed was planted, following his election I began discussions with Tom about the provost’s job. After interviewing about a half-dozen candidates on campus, he selected me, in March, to work with him in that position.

The infection of a whole-university perspective has, therefore, now taken complete hold of me—and indeed has entirely changed my career.

Charles Phelps
chief executive becomes mentally incompetent. Nevertheless, I think such theories distort history.

For example, it is a fallacy to conclude that Franklin D. Roosevelt made a diplomatic error at Yalta because of an illness that caused him to die of a cerebral hemorrhage one month later. Accusations have been made that Yalta was a "sellout to Communism." Actually, compromises were made by both sides. To regard the conference as a sellout is to overlook the realities of the military situation at the time. The Soviet Union had recently enjoyed a victory; the Western Allies were temporarily bogged down. Furthermore, it was believed that Soviet involvement in the fight against Japan was necessary. Stalin's promise of elections in Poland that would be open to all forces, including the London Poles, was the best that could be gained without committing troops to Poland. That Stalin did not uphold his promise is evidence neither of Roosevelt's mental incapacity nor of a Communist conspiracy by some of his advisors. Stalin (and many Russians before him) felt that Russian security depended upon having a friendly regime in Poland. One does not have to accept all the arguments of revisionist historians about the origins of the Cold War—but to take the terms of the Yalta agreement as proof of FDR's mental deterioration is to perpetuate an accusation that ignores the scholarly debate.

Historical analysis should draw from as many sources as possible, including the impact of illness on world leaders. It is tempting to use medical information as more definitive than other sources because it is empirically based. Nevertheless, it is a distortion to reduce complex historical events to one piece of medical information.

Carol Goldman Nash '63
Bayside, New York

A Small, Re-Intoxicating World

While enjoying a tremendous experience on the Alumni Association's trip to New Zealand and Australia in February, my wife Robby (Doris Robinson Jones '47) and I were re-intoxicated with the Rochester spirit. Feeling this way, we would like to urge other alumni to take advantage of these trips.

Our numbers were small as we marched along—especially when compared with alumni on that trip from the University of Michigan and other larger institutions—but we were vocal and willing to participate in every activity. Two of the younger members of our group (I used age as my excuse) even dove from a very high bridge in a bungee-jumping exercise. I hesitate to mention names, but suffice it to say that one is married to an officer in alumni relations and development.

While we met some great fellow travelers, only one of whom I had known previously, the real eye-opener for me was the group of Rochester graduates now living in Australia, many of whom attended a reception for us in Sydney. The fame of our Simon School is definitely worldwide.

My own personal surprise was meeting Thomas McNeill '51M (MD), the thoracic surgeon who assisted with my heart-bypass surgery two years ago. He thought that he had been a part of that action, but wasn't firmly convinced until he examined the scars on my legs where veins had been extracted.

Small world?

Stephen Jones '45
DeLand, Florida

For a photo of the tour group, see page 67
—Editor.

Save Those Old Pipettes!

As doctoral students in chemistry, we are organizing a shipment of old laboratory equipment and supplies to the Ateneo de Manila University in the Philippines. Our efforts are co-sponsored by the University's chapter of the Materials Research Society.

The idea for this project came when we visited the chemistry department at the Ateneo de Manila and were appalled by the conditions there, with old baby bottles being used as glassware and optical equipment being made with pieces of old compact disks.

The shipment date is tentatively scheduled for late June. If you would like to contribute your time or equipment, contact one of us (see below). Needs include glassware, solar calculators, pipettes, rubber/latex gloves, pH paper, batteries, simple optics and electronic instrumentation, hot plates/stirrers, volumeters, balances, computer equipment (PC), old textbooks, journals and course notes, and other low-maintenance laboratory equipment.

We hope that you will contribute and we thank you in advance.

Michal Freedhoff and Kristen Kulonowski
Department of Chemistry

You may write them c/o the Department of Chemistry, University of Rochester, Rochester, NY 14627. The fax number is (716) 473-6889. Freedhoff's phone number is (716) 275-2980 and her e-mail address is freedhoff@chem.chem.rochester.edu; Kulonowski's phone number is (716) 275-6789 and her e-mail address is ksk@d1.chemistry.rochester.edu—Editor.
In Review

Engineering Students Invent 'Smart Bike'

What's a great gift for the cyclist who already has a digital speedometer, ultra-light aluminum frame, rear-view mirror, and horn? How about a "smart" bike that will find the right gear, no matter what the incline or what the cyclist's energy level.

Just as many cars have automatic instead of manual transmission, so the bicycle, built by a group of engineering undergraduates, shifts automatically. The bike can even learn the nuances of a cyclist's riding style and customize the shifting accordingly.

The "brains" behind the operation is a computer chip similar to those found in microwave ovens. The students programmed the chip to measure wheel speed and how fast the cyclist is pedaling. An algorithm uses these numbers to determine whether or not the chain is under tension, an important factor in shifting. The chip and shifting system run on two small 7.2-volt batteries.

While there are a few automatic shifting bicycles on the market, their complex and sometimes jerky mechanical features, as well as added weight and cost, have discouraged most riders. Computer-controlled shifting is virtually unheard of, says student Emily Hackett, who did a patent search to see what systems had already been developed.

With the "smart" bike, the cyclist decides how fast he or she wants to pedal and programs the information into the chip by pressing a few buttons. The chip then "remembers" the speed at which the rider is supposed to be pumping. When the rider tires and begins to pedal slower, the bike automatically shifts to a lower, easier gear. And when the cyclist pedals faster going downhill, the bike shifts to a higher gear.

"Many people wait until they're pedaling too fast to shift up, and they don't shift down until they're working too hard," says another of the bike's developers, senior Ezra Gold. "This device lets the rider keep the right cadence, which can be adjusted by pushing a couple of buttons.

"It's also easier to ride. The bike automatically puts you in the right gear, so you can ride further faster. But it's weird to keep reaching for a lever that's not there."

Ezra Gold '95 with the automatic gear-shifter
New Vice Provost, Engineering Dean Appointed

Among recent appointments, Barbara Iglewski, professor of microbiology and immunology in the School of Medicine and Dentistry, has been named the University's vice provost for research and graduate affairs, and Duncan Moore, an internationally recognized expert in lens design, has become dean of engineering and applied sciences in the College.

In her newly created position as coordinator of the University's research efforts, Iglewski is involved with federal relations pertaining to research and oversees the Office for Research Project Administration (ORPA). She has also assumed the responsibilities previously held by the office of the Dean for University Graduate Studies.

The position was created, Provost Charles Phelps and President Thomas H. Jackson said earlier this year, to help provide an "organized academic framework for assistance in grant applications, for establishment of policies regarding copyright and patent policies, and for providing within central administration a faculty voice on the distribution of research-related resources."

A noted specialist in the molecular genetics of bacterial pathogenesis and bacterial toxins, Iglewski joined the University in 1986, coming from the Oregon Health Sciences University. Active in education, she has taught at the undergraduate, graduate, and postgraduate levels, and has received a number of awards in recognition of her teaching accomplishments.

As engineering dean, Moore coordinates programs in the School of Engineering and Applied Sciences and also serves as associate dean for research for the College. (As noted in the Winter 1994–95 issue of the Review, what is now known as "the College" is the administrative unit that manages departments within both engineering and applied sciences and arts and sciences. The engineering school, however, retains its identity as a distinct school within the larger College.)

Moore, the Kingslake Professor of Optics and former director of the Institute of Optics, is well known around the world for his work on gradient-index or GRIN lenses, a special type of lens that mimics the way insect eyes work and allows light to travel in curved paths. GRIN lenses often take the place of many optical elements and are used in low-cost medical endoscopes, desktop copiers and fax machines. In the past decade, Moore's work has played a pivotal role in modernizing the optics industry. His research on using computers to guide the design and manufacture of lenses quickly and precisely, along with similar work at Kodak, formed the basis for the Center for Optics Manufacturing (COM), created in 1989 as a joint effort by universities, the optics industry, and the U.S. Department of Defense to bring the technology to optics companies.

New Gifts Bring Campaign Total to $343,375,000

Volunteer leaders report that the Campaign for the '90s continues to grow at a healthy rate.

"Having reached $343,375,000, we now stand at 92 percent of our goal," says Edwin Colodny '48, campaign co-chair along with David Kearns '92. "While we're not there yet, I'm confident we will hit $375 million by our target date of June 1, 1996."

For the Rochester Experience—the portion of the campaign focusing on the core programs on the River Campus—Colodny and Kearns report that $126,703,000 has been raised. "We're working very hard to meet a $175 million goal," says Kearns. "As our regional campaigns move beyond New York and Rochester and into Washington, D.C., and the Midwest, we're aiming to contact everyone in the Rochester family by letter, by phone, or through a personal visit."

Here are some examples of recent gifts to the Rochester Experience:

• $50,000 from Curtis Berger '48 establishes the Samuel and Ruth Taekson Berger Endowed Scholarship for undergraduates. Berger is the Wien Professor at Columbia Law School.

• A $100,000 gift from Richard Leibner '59 establishes the Leibner Scholarship Fund for needy undergraduates from Leibner's hometown of Brooklyn. Leibner is president of N.S. Benshock, the leading representative of electronic journalists. His brother, Jerry Leibner, is a member of the Class of 1965.

• A $13,495 gift from Takako Uekawa supports the Yasuo Uekawa Memorial Scholarship Fund. Yasuo Uekawa, who taught at the Kobe University of Commerce in Japan, earned a Ph.D. from Rochester in 1966. Mrs. Uekawa said that her gift expresses the good will of many people—including Dr. Uekawa—toward Rochester.

• Trustees' Council member J. Nelson Hoffman '55 and Joan Dutcher Hoffman '55 have given $10,354 to the James Armstrong Endowed Scholarship Fund. The Class of '54 established the fund in memory of their classmate, who directed alumni affairs at Rochester for 11 years.

• From the estate of Mary Elizabeth Cashman '36, a $45,576 bequest supports the Newman Professorship in Catholic Studies.

• The Charles E. Culpeper Foundation has given $100,000 to strengthen programs in environmental sciences by adding a new faculty position.

• From Emanuel Goldberg '32, '35 (Mas), a gift of $26,400 augments the Goldberg Fund for Judaic Studies, which provides support for the Philip S. Bernstein Chair in Jewish Studies, held by Professor William S. Green.

• Robert Koch '45, former dean of the University School, has given $10,000 toward the Meliora Grant Program, which automatically awards $5,000 scholarships to undergraduates who are children of alumni or who hail from New York State.

The following gifts support the University libraries:

• A major gift from James Monroe Cole '44, '46M (MD) and Marion Scott Cole '44N.

• A gift of $22,100 from R. Bruce Davey '51, a member of the Honorary Trustees' Council, and Linda Wells Davey '53.

• A gift of $10,000 from Robert Koch, in addition to the gift mentioned above.

Iglewski

Moore
President and Provost Discuss Transition to 'New Economic Times'

College presidents—at virtually all of the nation’s leading institutions—talk a lot these days about finances. At Rochester, President Jackson and Provost Phelps have started a discussion with the entire University community about its own fiscal prospects.

In a detailed memo to faculty in January—followed by a series of open forums around campus—Jackson and Phelps described their intent to create "a long-term balance between revenues (largely tuition, gifts, and grants, and draw on endowment) and expenditures" for the River Campus. Those colleges face a projected $6 million "structural deficit" in the 1995–96 year.

The gap between expected expenditures and revenues is neither unique nor surprising, they said. "While the financial pressures facing higher education vary somewhat depending on the stature and type of school," Jackson and Phelps wrote, "it is clear from reports that even the most 'elite' of the nation's universities—such as Chicago, Columbia, Harvard, MIT, Stanford, and Yale—are acknowledging that their current levels of expenditures are unsustainable and have called for substantial reduction plans.

"Because Rochester has been tightening its belt for a half-dozen years now, in many ways we are further along than are a number of other institutions in making the transition to new economic times," they added. In fact, budget expenditures in 1993-94 were $18 million below what they would have been if "normal" budget growth had been allowed over the preceding five years.

Built into their analysis is the imperative to adjust the rate of endowment spending down to a level that is more sustainable for the long-term. While endowment spending overall is now just above 6 percent, spending from unrestricted endowment—which is available for general expenditures, not pegged for a particular school or program—is at 7.8 percent. (On the other hand, "structural deficits" are not a direct product of endowment size or performance: MIT, for instance, with an endowment almost three times the size of Rochester’s, recently announced a $10 million "structural deficit" in its budget.)

What are the solutions? Jackson and Phelps hope to find $4 million in savings within the University’s administrative services (all of which are now being reviewed), with more than $2 million in savings in the College, Simon School, and Warner School. In one move prompted by budget constraints, the College has announced that it is suspending graduate-level admission to the anthropology program, although the 30 current graduate students will be able to complete their studies with stipend support. (The undergraduate anthropology program remains.)

Confident of designing a long-term strategy, the president and provost do not intend to find the answers by themselves. "The University draws on its most valuable asset, human ingenuity, in approaching this problem," they said. "We are confident that collectively we can make the right decisions, and emerge a stronger institution: one poised to seize opportunities to invest responsibly as well as one that has the courage to withdraw resources from programs that no longer meet threshold tests of relevancy, centrality, quality, or cost."

Holmes Named to Brugler Chair

Robert Holmes, professor of philosophy, has been named Mercer Brugler Distinguished Teaching Professor. Holmes writes, teaches, and lectures on issues of morality, nonviolence, and war. His interest in international affairs has taken him on numerous trips to the Middle East, the former Soviet Union, and Eastern and Western Europe.

Holmes Named to Brugler Chair

As Brugler Professor, he plans to develop interdisciplinary courses exploring these topics for undergraduates and the Rochester community.

The Brugler chair recognizes excellence in teaching and encourages development of cross-disciplinary instructional programs. Awarded for a three-year period, the professorship was established in 1979 in honor of Mercer Brugler ’25, chair emeritus of the Board of Trustees, with support from the Sybron Corporation, Brugler, and others.

Covering the beat and the offbeat: Meet last semester’s Campus Times staff, named a finalist for the Pacemaker Award by the Associated Collegiate Press. The CT was one of 15 non-daily newspapers at four-year colleges chosen out of 70 competitors. They are, bottom row, Rachel Dickler, Bari Wieselman, Allegra Boverman; middle row, Brian Liss, Joshua Rovner, Steve Bradt, Miguel Rodriguez; top row, Akasha Sha, Steward Bushman, Erik Thingoull, Noah Loren, Joanne Cosiol, and David Russo.
Wind Ensemble Wins Prestigious Japanese Award

The Eastman Wind Ensemble, conducted by Donald Hunsberger, has won the 1994 Crystal Award, one of two prized Symphony Hall International Music Awards presented by the Asahi Broadcasting Corporation (ABC) Music Foundation.

The award recognizes six influential concerts presented in Osaka's Symphony Hall during the Wind Ensemble's tours of Japan in 1990, '92, and '94. (Under the continued sponsorship of Sony Music Communications, Inc., and Kodak Japan, Ltd., the ensemble will return to Japan for its fourth tour in 1996.)

In announcing the award, Sosho Fujii, chairman of the ABC Music Foundation board of directors, called the ensemble "one of the greatest symphonic groups in the United States," adding that "enthusiasts of wind-instrument music in Japan were enthralled by its wonderful performances."

Past winners of the award have included Emanuel Ax, Isaac Stern, Yo Yo Ma, Alfred Brendel, the Vienna Philharmonic, the Moscow Radio Symphony Orchestra, and the Czech Philharmonic Orchestra.

Hunsberger said the approximately $20,000 prize money will go to establish a fund to support the ensemble's recording and touring projects.

Beware the Item Veto, Political Scientist Warns

"The only thing voters seem to like less than messy compromise is policy deadlock," says political scientist John Cary. But deadlock is what they could get with Congressional passage of the item veto, he warns.

Carey notes that Republican lawmakers (and presidents of both parties) historically have favored the item veto as a way for the president to cut out wasteful spending from bills that have been larded with quid pro quos as the result of compromise.

But the item veto could destroy the ability of Congress and the president to reach any kind of compromise on a get with array of issues. With an item veto, he says, Congress might choose to send the president no bill at all rather than one which he could change to suit his own political agenda.

The "NeXt" Generation Is Heard From

At a round-table discussion in November, editors and columnists representing newspapers across the country got an earful from the undergraduates on campus who reported on a survey of how their contemporaries (whom they dub "Generation NeXt") are portrayed in the national media.

The 20 students—among them Martine Brown '96, shown above at the mike with author and feminist Betty Friedan; Mark Trahant, editor, Salt Lake Tribune; and Judy Mann, columnist, Washington Post—told their listeners that young adults lack representation in newspapers and magazines, and when they are written up, it's usually in a negative fashion.

As a research project for a course in the College taught by Nancy Woodhull, a founding editor of USA Today, the students tracked news publications for a month while looking for stories that mentioned people in their age group. What they found is that the twenty-something crowd is unfairly portrayed as being "overloaded with young-and-restless criminals, models, super-athletes, and grungy slackers fixated on sex and MTV," as an Associated Press writer put it.

"When I did see coverage of 18 to 23-year-olds in this study, it seemed like the media were writing about them for an older audience. There was a lot of talking about and not to," said Christy Van Dusen '95.

Wrote Judy Mann, reporting on the discussion in the Washington Post: "Far too often, older adults have the attitude that we're the only ones who know the answers and that students and younger people ought to listen to us. I realized once again the other day how much we can learn when we listen to them."

Some People Thrive on Goals, Others Don't

Does striving toward a specific goal help to make an activity more interesting, whether it's swimming laps around the pool, doing your math homework, or working on an assembly line? Or does setting goals actually spoil your enjoyment of an activity?

A recent study in the Journal of Personality and Social Psychology suggests that both your personality and the way the goals are defined can make a big difference.

"Some people savor the challenge of striving to be at the top," says Rochester psychologist Andrew J. Elliot, an author of the study. "They love getting the best grade on the test, or beating a sales quota. Measuring themselves against others is energizing."

But for some people, having their performance compared with others triggers anxiety. They'll do better striving for "personal bests," Elliot suggests.
Why Can’t Johnny Read? Maybe Because He Can’t Listen

The nation is in an uproar about education—and has been, for some time. Heads of corporations make headlines complaining that they can’t find enough workers who can read, write, spell, and do math. Taxpayers vote down school budgets out of pique, believing that spending hasn’t bought improvement.

It’s enough to make you think that all the energy is going into protest, rather than into better teaching. But in hundreds of classrooms from all corners of the country, the spirit of invention and renewal lives.

One of those places is in the nursery school at Third Presbyterian Church in Rochester, which in February opened a new Head Start preschool program for low-income families. Its curriculum incorporates many of Lucia French’s ideas about how children get ready to learn.

Those ideas began to take shape a couple of years ago, when French spent five months observing what went on in Korean nursery schools. French, an associate professor at the Margaret Warner Graduate School of Education and Human Development, recalls the day she watched a crowd of 40 Korean preschoolers sit with rapt attention for over 15 minutes while their teacher talked to them about bats.

For French, who was used to seeing American nursery school teachers struggle to keep the attention of their boisterous little charges, the relatively hushed spectacle of the Korean classroom was an eye-opener. Korean children, she points out, converse much less often than American children. American educators have traditionally thought that children must have a strong command of conversational and other expressive language skills before they can learn to read. Yet even the quietest little Koreans often learn to read easily and succeed in other academic subjects, too.

French began to think that maybe American educators were concentrating too much on encouraging children to talk, and too little on teaching them to listen.

“There’s a virtual epidemic of Attention Deficit Hyperactivity Disorder in this country,” French says. “I don’t think it reflects a growing number of children who are disabled. I think it tells us that a growing number of children haven’t developed the ability to manage their attention.”

Capturing children’s attention is easier said than done, she acknowledges. “It’s hard to pay attention to something that’s so unfamiliar as to be meaningless, or so familiar as to be boring.” So the teacher who wishes to help children become good listeners must find that middle ground between strangeness and familiarity that will intrigue children, and she must help them expand their familiarity with a wide range of subjects in a logical way.

Which brings French around to another criticism of most preschool instruction: That it’s a bit like channel-surfing. “So often in nursery schools, the topics jump from dinosaurs today, to valentines tomorrow, to how we grow food the next day. There’s no logical coherence.”

French believes that organizing lessons around central themes may help. So the new Head Start program at Third Presbyterian Church will have a science-and-technology emphasis. Besides bringing more cohesiveness to lesson plans, the science and technology emphasis makes sense from other standpoints, as well.

“Low-income children and girls generally have traditionally been locked out at an early age from thinking about careers in science,” French says. “By emphasizing science at a very young age, these children may get off to a better start and stay interested in science throughout school.”

Of course, the Head Start pupils won’t be expected to do sophisticated lab experiments, or to solve equations—they’re only preschoolers, after all. But lessons will have the flavor of science, pitched at a level that’s right for 3- and 4-year-olds.

“Lessons might be about things like ‘me and my family,’ ‘my health and hygiene,’ ‘my environment,’ ‘the food in my body, where the food in the grocery store comes from,’” says French.

One of the initial differences that a visitor might notice about this Head Start program is the abundance of high-tech learning tools. Video equipment. Digital cameras. Closed circuit TV. Computers. Microscopes. Cameras, calculators, grow lamps, gardening tools, magnets, scales, prisms, thermometers, barometers, a rain gauge, stethoscopes.

Much of the equipment has been donated by or given at cost by Rochester companies like Eastman Kodak and Ward’s Natural Science Establishment, Inc. (In addition to equipment donations, Kodak also has contributed $40,000 to the Head Start Program, as part of its 21st Century Learning Challenge.)

For the children enrolled in this special Head Start program, French believes, going to school will be fun and will seem very much like play.

The video equipment can be used to make movies of the kids in the classroom, so the kids could put on a play, then watch themselves performing in it.

There will be a large-screen computer that teachers will use to tell “interactive” stories—Big Bird’s Great Adventures, if you will, as imagined by the three- and four-year-olds.

Kids also can draw pictures that can be scanned into the computer to make a kind of puppet theater. Or, they can take photos with a digital camera, and the teacher can put them on a computer’s hard drive and make it into a quick little movie. All of these “pre-literacy” activities give children a better foundation for learning how to read, says French.

Though it may seem like play to the children, French is convinced that the Head Start kids at Third Presbyterian Church Nursery School will be developing the skills they need to do well in kindergarten and first grade: the ability to use language, to translate back and forth between the spoken word and understanding, and to do what Korean children seem to do so naturally—to listen with attention.
Hand Signals from Human Friends Boost Robot Savvy

Today's robots can cap bottles, assemble cars, even make pizzas. But when it comes to using "brainpower" to figure out what to do when faced with a new situation, it's another matter: Scientists cannot stuff their circuits with all the information robots need to act independently.

"Designing a truly autonomous robot is much tougher than anyone ever thought. Any time you're dealing with an unknown environment, the robot needs judgment and common sense—abilities that are extremely difficult to program," says graduate student Polly Pook, one of a group of Rochester researchers working on a solution to the problem. Pook presented her work at a recent conference on Intelligent Robots and Systems (IROS) in Germany.

A few simple hand signals from a human, the Rochester researchers are finding, can dramatically increase a robot's usefulness and independence.

Teleoperation, in which humans guide the robot's every motion, is one approach that has been used to overcome these programming difficulties. Teleoperation has given the world robots that accomplish amazing feats, like repairing the shuttle as it zips through space, or exploring the inside of a volcano. But teleoperation is tedious, and delays hinder performance.

"It's like having to think about every movement you make each time you reach for a cup of coffee or start to walk down a hallway," says Pook. "That awkwardness is compounded by delay. Imagine how difficult walking would be if it took a whole minute for you to feel the floor after you put your foot down."

Pook is among those who are trying a variation, called teleassistance, in which just a few strategic cues from a human—along with a little programming—allow the robot to accomplish tasks autonomously.

"Today's robots are rather myopic," Pook says. "They are good at responding to local feedback, but they still need someone to provide context, to set their agenda. Teleassistance acknowledges the robot's myopia: The robot has control over local problems like keeping its balance and avoiding obstacles, and we provide the goals and the high-level direction, such as where the robot is supposed to go."

To communicate with the robot, Pook uses hand signals that tell it what to do next, and sometimes, where or how to do it. The robot detects the hand motions, not with its eyes but through sensors mounted on a special glove she wears.

"People frequently communicate with nonverbal signs," says Pook. "We point when giving directions, hold up a hand to mean 'Stop,' and gesture to say, 'Come along.' I can do the same thing with the robot."

So far, Pook has guided the robot in two tasks: opening a door and flipping a plastic fried egg. Those might sound like easy tasks, but they're difficult for a robot in a variable world. Insignificant changes, such as substituting a different door knob, or rearranging the positions of the egg and the spatula, can easily confound the robot. In the door-opening exercise, the robot reaches for the door after Pook points to it, meanwhile checking the way she shapes her hand to identify the type of handle. Then the robot takes over using pre-defined programs to grasp and turn the handle and swing the door open.

In Pook's experiments, the teleassisted robot was much better at opening the door than an autonomous robot, while relying on just a fraction of the human effort involved in traditional teleoperation.

Stop Throwing Money at Schools, Economist Says

Does spending more on education buy better results? Two decades of evidence tell us no, says economist Eric Hanushek, author of Making Schools Work, recently published by the Brookings Institution.

In 1990, Americans spent more than twice as much as in 1970 for an average year of public education, but got no significant improvements in test scores. Popular reforms like smaller classes, or higher pay for teachers with advanced degrees, raise costs but don't change results, Hanushek contends.

Productive reform won't come from spending more money, but from managing resources more wisely, he says. Focus incentives for teachers and students on improving performance, he recommends—and evaluate new approaches, so schools adopt those that work and discard those that don't.
Another Use for Lasers: Fighting Cavities

Scientists at the University and the Eastman Dental Center have found that zapping teeth with very short pulses of low-energy laser light can dramatically boost resistance to cavities.

The technique works by instantaneously melting and then fusing a tooth's enamel coating, making the enamel more chemically resistant to cavity-causing acids—somewhat like the annealing process used to strengthen steel and glass. When the laser technique is used in conjunction with a fluoride treatment, one experiment showed, cavities were completely stopped.

While there are currently a few dentists using lasers experimentally to remove decay caused by cavities, the Rochester study is one of just a couple of programs looking to use lasers to prevent cavities.

The work is led by John Featherstone, chair of the Department of Oral Sciences at Eastman Dental Center and associate professor at the University. Featherstone, a chemist and an expert on dental decay, says that the major mineral in enamel is calcium phosphate, also known as apatite, which dissolves in acid very slowly. But when our teeth are formed, some of the phosphate molecules are pushed out and replaced by carbonate (which is abundant in the human body); carbonate dissolves easily in acid and leaves our teeth prone to cavities.

So Featherstone teamed up with Wolf Seka, a laser expert at the University's Laboratory for Laser Energetics and associate professor at the Institute of Optics, to study the effects of various laser wavelengths on teeth. The team collected hundreds of extracted teeth from area dentists, cleaned them and cut them into small pieces, then hit them with laser light.

The team eventually settled on a pulsed carbon dioxide laser tuned to just the right infrared frequency (either 9.3 or 9.6 microns, not the conventional 10.6 microns). "It's a delicate balance," says Featherstone. "You want enough heat to anneal the tooth, but obviously you don't want to damage the pulp."

Because the light is absorbed by the enamel, and because the scientists use a pulsed laser to give the tooth time to cool, the pulp's temperature rises less than two degrees Celsius.

Something to Sing About

"I want the whole world to know how good we are," says Kathleen Elwood, director of choral activities on the River Campus.

Well, she's about to have the chance to let at least some of the whole world find out.

This summer the 90-voice University Choir (below) will be competing at an invitational choral festival—the Llangollen International Musical Eisteddfod to be held at Llangollen, Wales, in July. The Rochester singers will join about 50 other choral groups selected from among several hundred applicants representing some 35 countries.

As an additional honor, Rochester's is one of four choirs invited to sing in the opening ceremonies.

Choir president Tina Matta '95 describes her fellow singers as a diverse group of "mostly non-music majors—engineering, pre-med, history people, plus one optics graduate student—with a lot of enthusiasm and spirit."

Elwood, rightly the choir's biggest booster, points out that "Rochester offers a wonderful program for students who want to combine a top-notch education with the opportunity to sing in an ensemble," noting, along with the opportunities provided by the Eastman School, the presence of a variety of vocal groups on the River Campus.

The College has enjoyed a long history of first-rate choral music, Elwood says, going back to the founding of the Glee Club, a predecessor of the present University Choir, in 1876. Alumni of the 1940s, in fact, may recall when the Men's Glee Club famously took first place in a national competition that involved a live nationwide broadcast on the old Fred Waring radio program.

Since then campus choral groups have for the most part been content to get along without competitions—until this year's University Choir came along. Long before they were notified of their acceptance for the Llangollen festival, Elwood and her singers had already begun making preparations, just in case.

In addition to working out their repertoire, which will include American music from Venezuela, Argentina, Cuba, French Canada, and the Huron Indians, the group has been busy selling T-shirts and raffle tickets to help finance travel expenses.

The singers' most ambitious fund-raising tactic to date? At the annual Viennese Ball in Wilson Commons, the choir baited the sweet tooth of nearly every dancer on the floor by selling thick, gooey slices of Black Forest cake. Thinking back on it, Elwood says, "Now that was something to sing about!"
Students Find a Home in Cyberspace

Imagine hanging your term paper out on the line, so to speak, for all the world to peruse in cyberspace. That is more or less what a number of Morris Pierce's students elected to do last semester when they posted their final class projects on the fastest-growing part of the fast-growing Internet—the World Wide Web.

WWW, as it's known to cybernauts, is a multimedia network of thousands of computers around the world containing documents with information, images, and sound, and providing links to other sites on the network.

Last fall Pierce, a faculty member in the Department of History who doubles as the University's energy manager, gave students in his two courses (History of Technology and The Politics of Energy and the Environment) a choice between writing a final paper or publishing their work on the Web. Though most of them at the time had only a faint notion of what the Web was, about a third chose to produce a "home page," the name that cyberfolks give to documents on the Web.

"Many of the students sat down, did some Web cruising and said, 'This is kind of neat,'" Pierce recalls. "But when they realized that millions of people will have access to their documents, it was kind of sobering. It made them think about their projects a little more."

The Internet first sprouted decades ago as a series of computer links among a few universities and government laboratories. Now it's a vast network linking millions of computers in homes and offices, as well as in governments and universities, around the world.

The World Wide Web, a subset of the Internet, links computers containing viewer-friendly documents written in HTML, or hypertext markup language. Anyone with a computer can design a page using free software that lets the user format text and incorporate photographs, video, and even sound.

Pierce says the WWW is perfect for his History of Technology course. "These students are gaining an appreciation of historical technological change because they are actually using a brand-new technological system to do their work in the course," he notes.

"The Web lets you think in a different way," says freshman Matthew Shambroom. "You can jump from idea to idea, at any point and at any time. You're not limited to a standard, continuous flow of information."

For his project, Shambroom teamed up with junior Mat Felthouse on a page detailing the history of computers at the University. Before the end of the semester, the Rochester freshman who had never even seen the Web before was helping several departments on campus connect to it and set up their own home pages.

Meanwhile, fellow-student Kazi Huque designed a project on solar energy that includes links to databanks in Europe and North America on energy research, solar collectors, and photovoltaic cells, and even incorporates a slide show on a solar village. Senior history major Andrew Falconer, on the other hand, used the opportunity to write about composting and, specifically, about a backyard composter developed by a family friend. "This is a great way to get the word out about this product," he says.

Of the two dozen students in his classes, Pierce says that only one had used the WWW before, though most had heard of it. Pierce has equipped classrooms in the University's library with access to the Web, and students can write their pages at work stations in the history department.

Pierce thinks that knowledge of the Internet and the Web are vital skills for students in today's job market. Indeed, hundreds of both small companies and large multinationals have begun marketing their goods and services on the WWW, and some, such as Pizza Hut, even accept orders through it.

"It will help these students land a job if, during an interview, they can mention something like, 'We can put your company on the Internet—I know how to do that,'" says Pierce.

Is Schizophrenia Genetic?

Among the most devastating disorders of the brain is schizophrenia. Symptoms are those we conjure up when in a classic insanity: A schizophrenic may experience delusions and hallucinations—think, speak, and act in ways that the rest of us would consider bizarre and irrational.

A patient might think an international cartel or the KGB is chasing him or aliens from another galaxy are trying to take over his body. A schizophrenic might hear voices and be violent towards himself or others. Symptoms usually appear in young men in their early twenties, although women are also affected.

Dr. Lyman C. Wynne, professor of psychiatry, is currently researching the causes of the illness.

"Over the years there have been arguments over whether schizophrenia is genetic or whether it is influenced by environmental circumstances. Some think it could be exacerbated by viral infections before birth," Wynne says, "or it might be by a series of difficult life experiences."

Researchers now agree that there is a significant genetic contribution to schizophrenic illness, he says. One line of evidence has come from twin studies, which show that when one twin is schizophrenic, a genetically identical twin is three to four times more likely than a non-identical twin to develop the illness. On the other hand, in only 40 to 45 percent of the studied pairs with identical genes did both twins have clinically diagnosed schizophrenia, which means that nongenetic factors must also be important. It is now widely accepted that a predisposition to schizophrenia is transmitted genetically, but this vulnerability is not always converted into symptoms, he says.

Sorting out the genetic factors from the environmental ones is, of course, not easy—which is why researchers have turned to studies of identical twins adopted by different families. After all, ordinary parents contribute both genes
The magazine reports that Schwert studied the stock market performance of over 600 mergers from 1975 through 1991: "What he found confirmed the conclusions that dealmakers often admit only in private. Acquiring companies suffer. Adjusted for the movement of the market, the stock prices of the acquiring company fell on average about 4 percent."

- "Would it be preposterous to suggest that legislation should be made a requirement for election or appointment to high office?" — Harry Reis, professor of psychology, suggesting to New Yorker readers that having gone through therapy is no bad thing for government workers.

- "If that were to happen," Reis continues, "then good-faith negotiation and reasonable attempts at compromise might replace gridlock, partisan politics, and high-stakes brinksmanship as the primary tools of government."

- "No strike can destroy the purity, joy and significance of the essential game as practiced in the church of baseball" — English professor George Grella, on the analogy between baseball and religion, in an op-ed piece in the Los Angeles Times.

- "Uninhibited by the bureaucratic nonsense of offici­aldom," Grella writes, "baseball in its purest form ‘needs no leagues or umpires or uniforms, but simply a bat and ball and maybe a glove; often without the full complement of players, often with . . . some confusion about the exact distance between bases, it is amateur, unorthodox, unorganized baseball, the very best version of the game.’"

- "Every member of the Senate has an atomic bomb and can blow up the place. That leads to accommodation" — Richard Fenno, Kenan Professor of Political Science, quoted in The New York Times on the difference between senators and congressional representatives in their attitude toward compromise.

- "The atomic bomb he referred to," writes the Times reporter, "is the ability of a small minority, even a single senator, to tie the place up for days or weeks with assorted procedural devices. Even the 60 votes required to halt a filibuster are not enough just before a recess, because the rules still allow unlimited amendments to legislation."

and the rearing environment, but with adoption, these factors are separated.

Wynne is now collaborating with Pekka Tienari and colleagues in Oulu, Finland, in an adoption study in which both genetic and environmental factors are being studied for the first time. (Scandinavian countries are best for adoption studies, Wynne says: The adoption laws are not so strict that the records are completely closed. However they are not so open that there is possible "scientific contamination" of the children's environment by visits from biological parents, which could skew results.)

Wynne is looking at data culled from the biological and adoptive parents of 177 children with schizophrenic mothers and 210 whose parents are not schizophrenic. Although the study will not be completed and published until later this year, the results seem to be clear, he says.

"We have confirmed that, yes, there is a significant genetic contribution, but the vulnerability generally appears not to be converted into symptoms if the adoptee is raised in a favorable home environment. If the child is raised in an unusually disturbing environment, however, then he or she is much more likely to become symptomatic. In other words, it's not a matter of all genetics or all environment, but of their interaction."

The "disturbing" environment Wynne speaks of might not bother a child with no predisposition to schizophrenia, "It's not a matter of malicious abuse," he says. "These parents are trying to do their best within the normal range of behavior—they might simply be perceived as distant or cool in a way that does not fit with a specific child's vulnerabilities."
Hall of Fame Inducts Twenty-Four

As the halftime highlight of the Homecoming (Rochester 22, Washington 21) football game, the Department of Sports and Recreation introduced its newest class of Hall of Fame inductees — among them three members of the three-sport (football, basketball, and baseball) Garnish family.

The three Garnishes — the late, legendary, Yellowjacket coach Lysle (Spike) Garnish and his sons, Richard '49, and John '51 — were among 24 new Hall of Famers. Spike, who was a Rochester coach and trainer from 1930 to 1949, was later baseball and basketball coach at Hobart College. Elder son Richard was a four-year letterman in football, basketball, and baseball. John, his younger brother, lettered in the same three sports for three seasons. Both Richard and John currently practice medicine in upstate New York.

The new class was the third to be honored by the Rochester Hall of Fame, which was established in 1992.

Some notes on the other honorees:

Russel Anderson '37 — captained the basketball team in 1936-37 and played baseball. Now retired from the Eastman Kodak Company after 35 years of service.

James Beall '46 — played basketball, soccer, and baseball; led the undefeated '41-'42 basketball team in scoring. Spent 38 years in textbook publishing for three different companies.

William Bruckel '42 — captain of the football team; ran anchor for the track team at Penn Relays all four years and played basketball for three seasons. Currently practices law in Avon, New York.

Jean Merenda Conway '79 — four-year starter for field hockey (leading scorer for three seasons); three years of varsity basketball and four years of women's lacrosse. Now a graduate student in counseling at SUNY Oswego.

Robert Erickson '42 — captained the soccer team; played with the undefeated '41-'42 basketball team and ran track. Worked in the toy industry after graduation and then spent 30 years with Disney.

Frank Guy '41 (posthumous) — played football for three seasons. Former dean of engineering at the University of Notre Dame.

Ralph Gehhardt '76 — four-year letter winner with the football team, establishing NCAA records for pass interceptions; also earned three letters for baseball. Now head football coach in Pittsford, New York, and a teacher in the Fairport school system.

Park Harman '09 (posthumous) — played basketball and earned All-America honors. Worked as a labor mediator and joined the Social Security Administration in 1937.

Molly Hayes '84 — four-year letter-winner for women's soccer, All-America in 1982; career goal-scoring leader for soccer. Played basketball from 1980 to 1983. Now senior assistant director of admissions for the University.

James Klimschot '78 — basketball captain for two seasons, letterman in all four. Now owner and president of Giant Enterprises, Inc., in Atlanta.

Cheryl Lyght Lamonica '82 — earned All-America honors as a swimmer in 1981 and 1982. Currently working for the Italian banking industry and teaching at John Cabot University, both in Rome.

Gerald Liebel '52 — two letters apiece in golf and football; captain of the highly successful 1951 golf team. Retired president of Liebel and Merle manufacturers representatives.


Matthew Riordan '81 — an All-American in three different events in outdoor track and field. Still holds six Rochester records. Now director of field service for Gunther International in Mystic, Connecticut.

Roy Roberts '40 — earned three letters in tennis and four in basketball. Worked in the food industry for nearly 30 years, retiring as vice president of Basic American Foods.

Patty Rupp '87, '91M (MD) — All-America honors in swimming; NCAA Post-Graduate Scholarship winner in 1987. Currently a fellow in infectious diseases at the Dartmouth-Hitchcock Medical Center in Lebanon, New Hampshire.

Peter Stranges '41 — captain of the 1940 football team; three-year letter winner for baseball; honorable mention All-America football honors from AP. Retired in 1984 after working in research and development in the Washington, D.C., area.

Robert Swartout '83 — NCAA Division III National Champion in doubles tennis play and two years as an All-American. Now an assistant vice president and
trust officer at the Canandaigua (New York) National Bank and Trust Company.

**Terri Eddy Terwilliger '87—** All-America honors in women's basketball as a junior and senior. Now working as an account executive for Ralston Purina.

**LaRoy Thompson (posthumous)—** senior vice president and treasurer of the University for many years before his death in 1985. He was a friend to the athletic department who was invaluable to the coaches and student-athletes for his counsel and guidance.

**Robert A. Woods '42—** three letters for football and track; school record-setter in the 220 indoor run and the outdoor mile relay. An investment counselor with Stein, Roe & Farnham in Chicago for 45 years until his retirement.

### Rochester Joins New Upstate Conference

Rochester's Yellowjackets are joining with athletes from seven other upstate schools to form a new athletic conference, to be known as the Upstate Collegiate Athletic Association. Participation in the conference will be in addition to Rochester's existing membership in the University Athletic Association.

Other members of the new upstate association are Skidmore College, Rensselaer Polytechnic Institute, Hamilton College, St. Lawrence University, Clarkson University, Union College, and Hobart/William Smith Colleges.

"Our plans for the new conference include full participation in football and baseball, plus single-site championships where our schedule permits," says Jeffrey Vennell, director of sports and recreation.

"We won't compete in basketball and soccer, however, because of our round-robin UAA schedules in those sports," he adds, noting that "we're still a full-fledged member of the UAA." The Yellowjackets compete in 18 sports in the UAA, made up of eight other research universities: Brandeis, Carnegie Mellon, Case Western Reserve, University of Chicago, Emory, Johns Hopkins, New York University, and Washington University in St. Louis.

Rochester becomes the third UAA school with dual conference affiliations, Vennell says. "This will be a boon for some Yellowjacket sports—a tremendous advantage in scheduling for our field hockey and women's lacrosse teams."

### Fall Wrap-Up

**Men's Cross Country:** Three men earned All-America honors as the team blazed to a third-place finish at the NCAA Division III Championships in Bethlehem, Pennsylvania. Sophomore Jason Hart placed 20th in a field of 181, senior Tim Voloshen 25th, and graduate student Marc Gage 35th. It was Rochester's eighth straight Top 10 finish at Nationals. The Yellowjackets have finished fourth or higher four times in the last five years and five times in the last seven.

Typically, the Jackets made short work of most of their foes. Hart was named UAA Athlete of the Year after he won the UAA race, helping Rochester to its fifth straight conference title. He also finished second at the New York State Championships and guided the Jackets to their eighth consecutive State pennant.

Voloshen and freshman Andy Evans joined Hart on the UAA's All-Association First Team. Gage, junior Jason Quagliata, and junior Don Dalrymple were named Second Team All-UAA.

**Women's Cross Country:** The women's squad achieved solid all-around performances on a number of fronts. Senior Heidi Witmer earned First Team All-UAA acclaim when she finished seventh in a field of 70 at the championships. She was also Rochester's top finisher at the New York State Championships (10th of 106) and the NCAA Regional Championships (25th in a field of 137). The Jackets finished fifth at UAA's, sixth at States, and 10th at the NCAA Regionals.

**Men's Soccer:** Rochester won the ECAC Upstate New York Championship for the first time ever, defeating Elmira, 1-0, in the semifinals, and Hamilton, 2-1, in the championship match to take home the trophy. Junior Jon Plezia scored the winner vs. Elmira, then set up goals by Brian Olearczyk and John Nally in the title game. Junior Bradley Gardner was named Outstanding Player of the Tournament, and Plezia and Nally earned All-Region honors.

**Women's Soccer:** From mid-season on, the squad was a New York State power, knocking off Top 20 foes Geneseo, Ithaca, and Binghamton and tying William Smith. Finishing 9-7-3, the Jackets reached the semifinals of the ECAC Mid-Atlantic Championships. Amber Scott was named a Second Team All-American.

**Field Hockey:** A 6-1 start helped the Yellowjackets attain a national ranking of No. 12 and reach the New York State playoffs for the third straight year. Seven players were named to the College Field Hockey Coaches Association Scholar-Athlete team, including repeaters Emily Sanders and Jackie Borrelli.

**Women's Volleyball:** Despite the loss of two All-Region players to graduation, Rochester reached the finals of the UAA Championships. The squad was 25-19 overall and competed in the New York State Championships for the 13th time in 14 years. Lauren Viscardi and Bridgette Garchek earned All-Region acclaim.

**Football:** This year's disappointing 3-6 record is deceptive as far as future performance is concerned because most of the Yellowjackets will be back next fall and for quite a while after that. This year's freshman-sophomore lineup struggled at times, but the Jackets pulled off a rousing 22-21 Homecoming victory over Washington, scoring the winning touchdown and two-point conversion with 2:21 to play. Eleven players earned All-Association honors from the UAA, among them Kurt Bauman, Rowan Crawford, Cornelius Johnson, and Chubasco Spivey, who were First Team picks.

**Women's Tennis:** Sabina Basovsky and Rebecca Grant teamed to win the Third Doubles Championship at the New York State Championships. Rochester won the Penn State-Behrend Tournament and was 8-4 overall.

### Season Records

**Field Hockey:** 10-8-1
**Football:** 3-6
**Golf:** 0-0
**Men's Cross Country:** 5-0, UAA Champion
**Men's Soccer:** 12-5-1, ECAC Upstate
**New York Champion**
**Men's Tennis:** 3-1
**Women's Cross Country:** 1-1
**Women's Soccer:** 9-7-3
**Women's Tennis:** 8-4
**Women's Volleyball:** 25-19
TV Talk Shows Talking Trash

By Thomas DiPiero

A man confesses on national television that he had an affair with a 16-year-old babysitter. A transsexual declares in front of millions of people that she made a mistake and wants to change back to her original sex. A woman admits in public that she wants to sleep with her father because he is wealthier than her husband. Such is the fodder of television talk shows, now more popular than ever and multiplying at a startling rate. Why do we watch this stuff? Most likely because we find the breach of the public and private spheres that they present so appealing. The voyeuristic pleasure of seeing people air their dirty laundry seems irresistible.

In the process, we’re finding out that these so-called abnormal people on TV aren’t so unusual after all. Take the case of a recent Gordon Elliott show on fathers who spoil their married daughters with expensive gifts. One of the hapless husbands who could not financially compete with his father-in-law plaintively remarked that “the material things aren’t what’s important. It’s our happiness that counts.” A smattering of applause from the audience marked that “the material things aren’t important” wife remarked that he said so in a whisper.

Talk shows give us, in easily digestible, packaged form, an array of reactions to claim for our own, turning grief, suffering, and frustration into just one more commodity.

Talk shows provide a forum not just for discussing people’s monetary concerns, but for examining their more intimate affairs as well. In spite of what recent surveys on American sexual habits have indicated, Phil’s and Sally’s and Montel’s and Rolanda’s guests demonstrate that some people, at least, engage in atypical sexual relations and practices. Their intimate lives involve people of the same sex or of different races. Often the talk show’s guests are unfaithful, promiscuous, or even professional in their sex lives. The practices highlighted on TV talk shows frequently put into question not only the so-called normalcy of the nuclear family, but the stability of such enduring categories as gender and race. In the financial as well as the sexual sphere, those determining what is “normal” might at first appear: They give us, in an easily digestible, packaged form, an array of reactions to claim for our own, turning grief, suffering, and frustration into just one more commodity.

If talk shows are dangerous, it isn’t because of what they show, but rather how they show it. When Phil Donahue shows us a transsexual trying to explain the complex differences between gender identity and sexual desire, or when Sally Jesse Raphael gives us mother/daughter KKK teams, they pretend to open up avenues for investigating different forms of individual identity. They present themselves as a public forum in which real issues are debated, while systematically confining and containing the very differences they claim to champion. But then, that’s more or less what television has been doing for years, including those situation comedies that told us what families were supposed to be like. Perhaps there’s nothing abnormal here after all.

Thomas DiPiero is assistant professor of modern languages and cultures and the author of Dangerous Truths and Criminal Passions, an exploration of the origins of the novel published by Stanford University Press.
This engineering professor with a taste for roller coasters and Star Trek adventurers may just be the most "decorated" teacher ever in University history—at least in the regard of his students. In 1994 alone, three different groups picked him as their Professor of the Year.

By Tom Rickey

Working the blackboards deep in the heart of the Bausch & Lomb Building, Alfred Clark Jr. pecks his way across the width of the classroom. Numerals, Greek and Roman letters, mathematical symbols—the chalk marks appear and disappear at a breathless pace. "D to the second times X, over DT squared, plus dx over dt..." On and on he goes, chalk biting the board as he explains to 45 engineering undergraduates the finer points of differential equations, "DifEQ" to the initiated.

Another typical boring math class, right? Unh-unh, wrong. Clark's professed academic mission is to help his students—get this—take pleasure in mastering the discipline of applied mathematics.

And he knows how to do it, too. We're talking here about a professor who uses the twists and turns of roller coasters to teach the principles of dynamics and who commissions his sophomore "Starfleet Academy Cadets" to help Scotty design the interplanetary probe Lita for exploring the surface of Gila-4.

During today's lecture, Clark turns away from the board at frequent intervals to make sure he hasn't left his audience gaping and clueless in the intellectual dust of his speeding chalk stick. As deliberate with his words as he is fluent in his numbers, he translates the notations into simple phenomena of everyday life. He talks of cooking soup and burning oatmeal, of smoke wafting up from a cigarette, of waves rippling through the sea—illustrations of how you can use numbers to explain such things as why smoke rings keep their shape and where ocean waves come from.

The soup and the oatmeal? Clark uses the case of the careless cook to talk about equilibrium and instability in mechanical systems. Soup left untended on the stove usually won't burn even if you don't stir it, he says, because it is unstable and moves around in the pot on its own. Untended oatmeal, on the other hand, will scorch and ruin your breakfast because it's so stable it doesn't stir itself.

Clark thinks that the way mathematics has traditionally been taught to budding engineers turns too many of them off. Over the last three years he has been working with colleagues in the Department of Mechanical Engineering to develop an undergraduate math curriculum that won't turn them off. The result: an experimental set of courses that teach mathematics by applying it to real-life scenarios—analyzing, for instance, a building's heating system, a population's growth rate, a car's suspension on a bumpy road, the rate of depletion of a species by commercial fishing.

"I've enjoyed every class I've ever taught," Clark says, referring to the 30-some courses (on such diverse topics as engineering analysis, fluid mechanics, heat transfer, thermodynamics, microcirculation, and diffusion) that he has presided over since arriving at Rochester in 1963—shortly after receiving his doctorate from the Massachusetts Institute of Technology (and after passing up a lucrative position at IBM so he could get right to teaching).

"I always take it as a personal failure if there's someone I cannot reach," he adds. "I want to break down the barrier that people tend to put up between 'mathematics' and 'everyday life.'"

Or at least everyday life as seen on TV—which is where last fall's "Star Trek" project came in. The reports that "Senior Scientist Clark" received from his Starfleet cadets are loaded with sober calculations, equations and values for springs, loads, compression, velocity,
Al Clark
Professor
traordinarius
and other engineering concepts. But glance through the report submitted by sophomore "Cadet" Michael Sacco, for instance, and you will find that it is also laced with embellishments like the photo of a worried Bones talking to Spock and the captain ("Damn it, Jim, I'm a doctor not a mechanical engineer!")), and a transcript from the Captain's Log, Stardate 6885.2, of a conversation between Kirk and Scott ("Mr. Scott, I believe we have no other choice. We must believe the boy. Notify the maintenance deck and make the

Clark's professed academic mission is to help his students — get this — take pleasure in mastering the discipline of applied mathematics.

Is making up problems about starship landing probes really worth all that professorial time? Yes, chorus his students. In evaluations of their instructors that they are routinely asked to make, undergraduate engineers regularly give Clark a 3.9* on a 4.0 scale, accompanied by such comments as "I never realized math could be fun," "He made a subject that sounds uninteresting the most interesting one I've studied," and (popping
up frequently) “Al Clark is by far the best professor I’ve had since coming to Rochester.”

It’s hardly surprising that a teacher who inspires such comments should have earned a wall-full of plaques and certificates attesting to the high regard of students and colleagues.

Last year Al Clark’s admirers achieved a hat trick of sorts: Their enthusiastic endorsements earned him the 1994 mechanical engineering students’ outstanding-teacher award, the undergraduate Student Association’s top-teacher award for the entire River Campus, and, to cap all that, designation as New York State Professor of the Year by the Carnegie Foundation for the Advancement of Teaching. Clark may just be the most “decorated” teacher ever in the University’s history. “I have never had, or known, a teacher of any kind who cares more about their pupils’ minds, joys, hopes, and dreams,” declares former student Tracy Buettgens ’94, a physics major as an undergraduate who is now, thanks to Al Clark’s influence, pursuing graduate studies in mechanical engineering. “The relationship he forges with every student,” she says, “is unparalleled and unforgotten.”

Buettgens was one of the many students who supported Clark’s nomination for the Carnegie award. The nomination packet is filled with such glowing testimony that Clark refuses to read it. But he can’t escape the annual faculty roast at which engineering students lampoon their professors, skewering their foibles with glee and precision. When it comes time to grill Clark, however, the lampooners find only one thing to poke fun at: his almost inordinate, well, kindness.

This is the guy, people tell you, who has birthday parties for the custodian, sends cookies to the office down the hall, presents commemorative books to star pupils. He does this last every year, awarding a prize book to the best student in each of his classes. Alum Timothy Singler ’77, ’83 (PhD), now an associate professor of mechanical engineering at SUNY Binghamton, has a story about one such prize. Seems he and his classmates enjoyed one of Clark’s courses so much that they all chipped in for a bookstore gift certificate as a birthday present to the professor. Clark accepted the certificate with gratitude, then matched it and bought two books, which he awarded to the top two students at the end of the semester. “Al Clark is the most beloved teacher I have ever known,” says Richard Benson, chair of the department. “Students absolutely adore and respect him. In fact, the response we got from alumni in support of his Carnegie nomination was simply tremendous—we were just overwhelmed. And his impact, as a teacher of teachers, will be felt through generations of students, many of whom might never know his name. He sets a very high standard for his colleagues, and that drives us all to be a bit clearer, a bit more available, a bit more enthusiastic in our own teaching.”

The low-key Clark says that his popularity “certainly” isn’t due to his lecturing style. He’s not a teacher who sets off fireworks, literally or figuratively, to get attention.

Instead, it’s what he calls the “simple” gestures that form the heart of his personal equation for excellence. In a day when many time-pressed faculty members limit their office hours to one or two sessions a week so they can attend committee meetings, prepare for classes, grade exams, write grant proposals, train graduate students, and conduct research, Clark is “at home” to his students two hours per day, every day. “Remember when you learned how to ride a bike?” he asks. “You probably recall how important it was that your accomplishment be seen and appreciated by some mentor—somebody who could validate your achievement and offer suggestions on improving your technique. That kind of mentoring is a very powerful motivator, but it works only if your mentor is someone you know, and someone who knows you.”

He insists on personally returning all homework assignments. He helps undergraduates track down the tutors they need if they arrive in his course under-
A Master Teacher's Advice to a Beginning Colleague

"Be kind, be fair, state your expectations—and get to know your students." That's the advice engineering professor Al Clark Jr. would give to a new teacher. Here's some more from Clark's educational philosophy, taken from a statement he wrote last year for the Carnegie Foundation for the Advancement of Teaching:

First, you must let students know exactly what is expected of them and when you expect it. You can't cover every detail for the entire semester at the beginning, because teaching is just not that precise. But you can hand out weekly assignment sheets which include what you will cover that week, the texts you suggest they read to prepare for class, and homework you suggest they do. You will be pleasantly surprised at the number of students who will read ahead if you give them this guidepost.

You must be fair. Policies on late homework, or on homework and exams missed because of illness, should be clear, firm, and given in writing. You can take care of this as you give your handouts with information on the textbook, the exam dates, the prerequisites, grading weights and other practical matters. All of this gives the students confidence that you and they are traveling together on a purposeful journey.

Be kind. There is no place for sarcasm, hostility, or intellectual bullying in education. Do not call on students to answer questions—rather, let them volunteer to answer. It is crucial to good learning that your students be comfortable in your classroom. Certainly you should challenge them, but do it with homework and exams, where their lapses and failings become a private matter between you and them.

Be kind when a student goes off-track with a question or comment during class, and put the best possible light on it. Of course you cannot allow the class to be led astray, but if you think hard, you can find a way to transform the student's contribution into something useful.

When I was a young graduate student, a senior faculty member for whom I had great respect confided in me that teaching was just something one has to put up with in order to do research. I was several years into my postdoctoral life before I realized that the truth is both more complex and more interesting. It is true that teaching and research both demand all of your time. But beyond that basic conflict, they enhance one another. You can greatly increase student motivation by bringing research (both yours and that of others) into your undergraduate classroom. For example, a routine study of the heat equation becomes a powerful lesson in the history of science if you present Kelvin's beautiful and simple estimate of the earth's age.

Now for the most important thing: Get to know your students! Anonymity is an enemy on a par with hostility, although more subtle in its effects. Learn the names of your students as quickly as possible. This is not difficult, even for classes as large as 60 or 70 (and I hope for your sake that you do not have one of those classes of several hundred which are monuments to inefficiency and nothing else).

Parting advice: Put some fun into your teaching. If you have forgotten the value of play in scholarship, read Richard Feynman's wonderful book, Surely You Are Joking, Mr. Feynman! Don't be afraid to talk about roller coasters in your dynamics class; or, in your vibrations class, why your coffee sloshes over when you are carrying it. Above all, enjoy your teaching and your students. The years go all too quickly, so don't put off your best effort until next year when you have more time, because you won't! Give your teaching your best effort now, so that 30 years from now, you can take some satisfaction from having made a difference to more than a thousand students.

Alfred Clark Jr.

He insists on personally returning all homework assignments. He helps track down tutors for the underprepared. He calls students when they are ill to inquire after their well-being.

"I just try to make my students aware of the fact that I am trying to follow their progress, that there is someone who cares," he says.

Caring is the theme that comes through most often in a letter, addressed to an imaginary younger colleague just starting out in the business, that he once wrote to describe his educational philosophy. "Be kind," Clark advises. "There is no place for sarcasm, hostility, or intellectual bullying in education." The most important point: "Get to know your students! Anonymity is an enemy on a par with hostility, although more subtle in its effects. Learn the names of your students as quickly as possible."

A simple, but effective, technique. Clark requires all his students to come in after the first exam for a short face-to-face meeting to discuss both immediate concerns (how they're doing in the course) and the long-term (their goals for their education generally). "After this meeting, students begin thinking of their professor as a resource instead of just as a judge," Clark says.

Undergraduates soon learn, however, that this gentle, soft-spoken professor is no marshmallow-hearted Mr. Chips who'll give you an A for blowing off a
course. His classes are rigorous, and he pushes students as far as they'll go. Last year, he encouraged a sophomore who wasn't being challenged in a second-year course to enroll in one on the graduate level. The student finished with a top grade and a renewed enthusiasm for engineering.

Former students tell you similar stories. "It was Professor Clark who first suggested that I consider graduate school and who later encouraged me to apply to schools I had considered beyond my reach," says Tom Sorensen '89, who is now completing his doctorate at MIT.

A visit to Clark's office further dispels the passive "Mr. Chips" image. A sign outside the door cheerfully exhorts, "Chaos. Be A Part Of It." Inside, a poster of the most famous baseball cards ever produced hangs on one wall; a flourishing lineup of plants crowds a row of windows along another.

But what you notice first are the roller coasters: photo after photo of the vertigo-inducing beasts from around the country. Besides the usual professional affiliations, Clark is also a member of American Coaster Enthusiasts (and is probably the only person at the University who can lay claim to papers published both in Roller Coaster magazine and the Biophysical Journal). Drawing on his knowledge of dynamics, he can tell you where to sit to get the best ride (the last car is tops for thrills at the crest of the hills; try a middle car to really feel force at the bottom). He enjoys running new roller coasters through his equations to see where they stack up on the "pleasure vs. pain" continuum.

Crunching numbers, he says, enhances his rides. "It's always been my feeling that you don't really understand something until you can model it mathematically." When Clark gets his hands on a good equation, all students can do is buckle up and go for the ride as he picks variables, plugs in numbers, and checks how well the equations reflect observation.

Roller coaster dynamics is the avocation that comes closest to his love of numbers. His other diversions include reading, vigorous walking, playing guitar, traveling—and fending off the six cats that share a home with him and his wife, Patricia (another master teacher, at Rochester Institute of Technology, where, like her husband, she holds her school's top teaching award). He still finds time for it all, and more, including research in oxygen transport to tissues, an area for which he is well known internationally. But teaching remains his top priority. It's a choice Al Clark made early in his career and one he carefully analyzed five years ago when he suffered a serious illness.

"Teaching has always been my highest priority. Now I'm more strongly convinced than ever that it's right. That illness made me realize that I have no regrets. I'm happy with the choices I've made.

"I'm conveying knowledge that I care about, and since I share these ideas with people who are new each year, the ideas never get old for me. I cannot imagine any career more stimulating and rewarding than that of a professor."

Tom Rickey, who shares Al Clark's fascination with roller coasters, is senior science writer for the office of University Public Relations.
In ancient times, it was called “the sacred illness,” its victims considered to be somehow possessed by the devil. Now it is understood that the disorder is caused by electrical storms in the brain—and the Medical Center’s Epilepsy Unit is finding new ways to deal with it.

Alexander the Great had it, as did Napoleon and Caesar. Buddha, Socrates, and Handel were purported to be afflicted. Dante, Tchaikovsky, and Alfred Nobel also suffered from what was once called the falling sickness. The apostle Paul referred to it as “the thorn in my side.”

Some 2.5 million Americans today live with the “thorn” of epilepsy. Sometimes referred to as “lightning bolts in the brain,” the electrical discharges which characterize the seizure disorder can provoke physical reactions that are sudden, violent, and uncontrollable. (In fact, the very name derives from the Greek word epilambanein meaning “to seize, to take possession by force.”)

The middle-aged woman—we’ll call her Janice—walking out of neurosurgeon Webster Pilcher’s office pushing her arms through her tired winter coat, has had epilepsy for 42 years, suffering daily grand-mal seizures that keep her at home, unable to hold a job or even to drive a car. By visiting the Epilepsy Unit at the University Medical Center,
though, Janice has what Napoleon, Dante, and Buddha never had: hope for permanent control of the disorder to give her permanent control of her life.

"The mind's a queer sponge," said the poet-doctor William Carlos Williams. At the Medical Center, that queer sponge, or more specifically the organ called the brain, is being thoroughly studied from every vantage point. Researchers probe human and animal tissue, seeking keys to unlock cures for schizophrenia, Alzheimer's, Parkinson's, and other such debilitating diseases. Psychologists and psychiatrists meanwhile work directly with patients, helping them find ways to deal with personality disorders and depression.

Physicians take part in drug trials, looking for pharmacological relief for brain dysfunctions.

For people with the most intransigent forms of the seizure disorder, all of these approaches have come together in the comprehensive Epilepsy Unit founded in 1991 as the first of its kind in upstate New York. Headed by Dr. Giuseppe Erba, a pioneer in the field, the unit is currently working with about a thousand patients a year. These are the 20 percent of epileptics whose seizures are categorized as "intractable," that is, impervious to the standard medications that help most people manage the disorder.

"Our patients come here after trying every traditional treatment," says Erba. "They're at the end of their rope. Perhaps the usual drugs just don't work. Perhaps the dosage needed for control is so high that the quality of life is severely impaired. The price you can pay for controlling seizures is a life of sedation."

The impact of the uncontrolled seizure disorder can be devastating, adds neurosurgeon Pilcher. "Imagine someone just like you—with just the one difference: Three times a day, maybe ten times a day, you lose your faculties. You lose control of your limbs, you talk gibberish, wet your pants. It's frightening and it can be physically dangerous."

Epileptics may not be able to hold a job, complete an education, or enjoy long-term relationships because of the interference of the seizures, he says. "A large percentage of our patients are disabled by this disorder."

A sampling from Pilcher's videotape library demonstrates, dramatically, just what he means:

In a trance-like state and with areas of her cortex paralyzed by electrical storms, Lesley, a gifted high school student, rips pages from her textbooks, unaware of her actions and unable to prevent them. Friends withdraw, puzzled and repelled by her strange behavior. Her grades plummet, and periods of black depression become increasingly frequent.

Eleven-year-old Brian (once a star pitcher for his Little League team and a straight-A student) is subjected to an onslaught of complex partial seizures, growing in frequency and severity. Helpless to prevent these unexpected and embarrassing episodes, he lets his grades fall and his sunny nature becomes clouded.

And then there's Jim. All it takes to trigger one of his seizures is a light pressure on the left side of his neck or on (or under) his left arm. Even putting on a shirt or coat means trouble. On the rare occasions when he has to leave the house, he deliberately evokes a seizure. The 20-minute seizure-free window that follows him just enough time to shower and dress.

What the unit offers these patients is its comprehensive approach to the control or cure of their epilepsies—includ-

By visiting the Epilepsy Unit, Janice has what Napoleon, Dante, and Buddha never had: hope for permanent control of the disorder to give her permanent control of her life.
sudden withdrawal can also risk such brain damage. (One seizure, however does not mean epilepsy; repeated episodes are the telling symptom.)

Epileptic seizures come in varying forms, and range from what are called absence seizures, or staring spells usually of a brief period of 5 to 15 seconds, to grand-mal events, manifested by a loss of consciousness and stiffening or uncontrolled jerking (and sometimes both) of the entire body. A grand-mal episode will last for several minutes and then will abate as suddenly as it arrived, leaving no physical aftermath aside from (in some patients) a sense of fatigue and a need to sleep. (A third type, similar to absence seizures, does provide a warning, called an aura.)

Janice, the woman glimpsed as she leaves Dr. Pilcher's office today, has just finished consulting with him about a surgical technique to remove the brain lesion that is causing her intractable epilepsy. She and Pilcher together looked at her X-rays and discussed what would happen; she understands exactly how he and she will work together during the procedure. She thanks him repeatedly as she goes out the door. She smiles—showing no obvious signs of pre-operative anxiety.

"She had a high fever with convulsions when she was ten months old,"

Pilcher says. "She's had epilepsy since then, for 42 years—and drugs don't help."

Until recently, when medication was ineffective there was little further that could be done for patients like Janice. Now a neurosurgical procedure is offering new hope. The surgical technique Pilcher uses is remarkable—but what's more remarkable is the method used to detect the lesion causing the epilepsy, a process called brain mapping.

No two epileptic brains are alike, Pilcher says. Before he can perform surgery, he has to find out exactly where the lesion is and how it affects the various operations of the brain. Several beds in the neurological floor are hooked up to an EEG machine. Here, over a 24-hour period, Janice will be placed on the monitor with electrodes anchored to the outside of her head. Throughout this period, a video camera will be running, to capture her seizures and correlate them to the data from the EEG.

"We also invite people from the family to watch and to mark down each seizure," adds Erba. "And nurses perform various tests during the episodes."

Sophisticated images produced by Magnetic Resonance Imaging and computed tomography will also provide a view into Janice's brain, revealing diseased or damaged tissue.

The results of these tests may be all that is needed before Pilcher can go ahead with the surgery—giving him enough information to locate and assess the tiny bit of scar tissue that is the source of her problems.
In about 25 percent of cases, however, the surgeon has to create a more detailed, personal map of the patient's brain. To get the data to create his map, Pilcher performs a craniotomy to expose the brain, then, on its surface, lays a grid of 64 electrodes connected to a transmitter that will record brain-wave activities. Meanwhile, the patient—who must be able to talk, to hear, and to see, as well as to remember—is awake under local anesthesia. "It's a very dramatic environment," Pilcher admits.

If, for instance, he uses this procedure in Janice's case, electrical stimulation applied to the various sections of her brain will provide him with information on which areas are responsible for which specific functions. "For example," Pilcher says, "I might ask her to lift her left hand, which she does. Then I might tell her to hold her left hand still, and then, by activating one of the electrodes, cause the hand to move involuntarily. I then know that that particular piece of brain is responsible for that particular movement."

Janice may also be shown slides of objects for her to identify. The doctor might ask her to repeat what is shown on the slide, then, by stimulation, try to interrupt that process. Any interruption in her normal response would indicate that the stimulated area is one that controls language function.

Pilcher will probably also order another procedure, called a Wada test. During a Wada, a radiologist injects sodium amytal into a catheter that passes from an artery in the groin through to the carotid artery in the neck. The drug effectively puts one side of the patient's brain to sleep for several minutes, enabling the surgeon to determine which is the language-dominant hemisphere and to evaluate the ability of each temporal lobe to sustain short-term memory.

"The Wada lets us preview the effects of the surgery," Pilcher says. "On the side of the brain affected by the epilepsy, we expect to find the hippocampus sclerotic, shrunk down, with memory impaired. What we like to find is that the patient's memory is good on the opposite side."

The dentist, concerned about what the episode might mean, recommended that Vanderbilt see a physician. This began a 13-year quest for a satisfactory medication to control the condition—with no success. "We would think we had it this time, and then the next time, and the next. But the seizures always came back."

At one point, certain he was finally seizure-free, he scalded both his hands. "I stood at the bathroom sink for five minutes with my hands in the hot water during a seizure. I had no idea what was happening until I came to."

Although he held a responsible job supervising 35 people, he was continually dependent on his wife, family, and friends. (He speaks about their having to drive him places, and monitor him, for instance, when he had burners going on the stove.) When his boss, concerned for Vanderbilt's safety, switched his job, he decided it was time to look for a better answer. "I wondered if there was any end to this thing," he says. Then he found the Epilepsy Unit.

"They gave me something I could sink my teeth into—they had a positive, upbeat attitude that made me feel like we could actually beat it," he says.

An MRI scan at the unit showed scar tissue on the brain, the result of a bout with spinal meningitis as an infant. "That was the first time I knew what caused the problem," he says. Last fall he entered the hospital for nine days of seizure monitoring, to help pinpoint exactly where the scar tissue was located. The results of the monitoring, combined with a Wada test for checking brain-wave activity, were conclusive enough that Vanderbilt could avoid more invasive testing techniques. He had his surgery—a 10-hour ordeal—in January and has been seizure-free since.

"I'm progressing beautifully," he says proudly. When wished good luck on his recovery, he adds, "I was lucky when I found the Epilepsy Unit. I feel really great."
Using the data from the mapping and the Wada, Pilcher and his colleagues can decide whether surgery is an option. If he finds that the offending lesion can be excised without damaging vital functions, then “the next step is to safely remove it,” he says. “We have a pretty good success rate with our carefully selected patients. About 90 percent show a significantly improved seizure rate, and about 70 percent are cured entirely. The patient takes about a week to recover following surgery.”

“Most patients come to us hoping for this surgery,” says Dr. Erba. But for some it may have to be ruled out. Perhaps the lesions are on a portion of the brain that, if damaged, would cause significant problems—some critical function may be harmed. Or they have so many lesions that removal becomes too risky.

These patients might be candidates for a new technique in radiation surgery that is currently being tried at the Medical Center for treating other conditions—a technique, Pilcher jokes, which may eventually put him out of business.

“It’s a spectacular breakthrough in our ability to remove lesions and tumors non-invasively,” he says. In this procedure, the lesion is mapped through CAT scanning, then zapped with small doses of radiation—each no greater than that of an ordinary diagnostic X-ray—that originate from many different points. Singly, the X-rays travel toward their target without doing any damage. Their combined power where they converge, however, is enough to eradicate the target tissue. This technique, Pilcher says, is particularly useful for lesions located so deep in the brain that they are not accessible to microsurgery.

Even when surgery of any kind must be ruled out, Erba and his colleagues have other resources they can call on. Patients may be candidates for newly developed pharmaceutical ways of dealing with epilepsy, he points out. “For instance, a new drug came out about a year ago that acts somewhat like a stimulant rather than having a sedative effect like the other drugs.” Although about 30 percent of the patients who tried the new drug disliked its stimulating side effects (“They felt nervous”), many others were happy with the tradeoff. “They maintained some control of their seizures,” reports Erba, “and they weren’t sleepy anymore.”

Along with surgery and drugs, the Epilepsy Unit offers patients something that Dr. Beatrice Wood, assistant professor of psychiatry and neurology, says is an innovation in a comprehensive epilepsy program: help for the families of patients in managing the rough spots along the road to recovery.

“In our regular Tuesday Case Conference—where the unit team meets to discuss patients and consider methods of treatment—the psychosocial aspect of a patient’s disorder is regarded as highly as the medical,” she says. “Treatment here includes giving

“Imagine someone just like you—with just the one difference: three, maybe ten times a day, you lose control of your faculties. You lose control of your limbs, talk gibberish, wet your pants.”

patients and their families ways of easing their emotional and social burdens.”

This is important because epilepsy has powerful ramifications for both personal and family life, Wood continues. She speaks of a 20 year-old man with a head injury, the result of a three-wheel vehicle accident, who developed severe, intractable seizures.

He was a very angry young man, Wood says. The blow to his head has contributed to emotional dysfunction, in addition to causing the seizures, making him difficult to get along with. His brothers were also angry—they didn’t understand his condition and fought with him continually. Unsurprisingly, the family

disruption had spread: The mother suffered depression and the father began experiencing severe stress symptoms. One of the brothers was a substance abuser, the other chronically unemployed.

“I got involved with the whole family,” Wood says. “Some basic education helped the patient and his brothers understand their anger and learn ways of working with each other.

“The young man eventually had successful surgery and is seizure free. The stress on the family caused by his seizures is now gone,” she says. “But, before that happened, we helped them get to the point where they were ready for the surgery, and we taught them skills that they can continue to use.”

Wood is also counseling a single mother of 8-year-old twin daughters. The mother is the family member with the epilepsy, and she is not a surgical candidate. “The twins have taken on tremendous responsibility for her care, much more than such small children should have. The seizures are frightening for them—they think she might die.” The mother “loves the children,” Wood goes on, “but doesn’t know how to protect them emotionally from her disease. We have involved local agencies in providing services to help the children emotionally and to ease their sense of responsibility. And the mother is receiving parenting counseling.”

Treating patients directly, though, is not the only work going on at the Epilepsy Unit. Research is key, says Erba: “What researchers are working on today could be tomorrow’s improved treatment—or even a cure.” The unit supports research of varying types, studying seizures of all kinds in humans and animals to find more information on the brain’s response to electrical stimulation.

In the area of psychosocial research, Wood and her colleagues are studying the emotional impact of the illness on patients and their families, and, in another study, are looking at the factors that will predict a good quality of life after epilepsy surgery.

Meanwhile, Craig Applegate, assistant professor of neurology, is working
on several major research projects that note exactly what happens in a rat's brain when seizures are induced in various ways.

Collaborating with Diane Piekut, associate professor of neurobiology, Applegate is also developing a model of the kind of epilepsy that develops following head trauma. "One of the hallmark features of this type of epilepsy is that it doesn't show up for a long time after the injury. We're trying to initiate a process in rats that is nearly identical to the process as it occurs in humans following head trauma. We'll use this model as a window to explore and, ultimately, understand how post-traumatic epilepsy develops." This understanding, Applegate says, could lead to finding ways of using drugs to halt the epilepsy before it gets started.

Investigating another cause of the disorder, a research unit led by associate professor Shirley Joseph is studying human brain tissue harvested during Pilcher's surgeries. This group, which also includes Adapa Prasad, an instructor, and postdoctoral fellows Eileen Lynd-Balta and Adnan Siddiqui, is looking at the type of epilepsy that follows fever-related seizures in infants. "By using molecular and histochemical techniques to study human tissue, my group would like to determine whether or not early neonatal disruption in circuitry is the cause of epilepsy as it is manifested in adults," Joseph explains. The unit suspects that during febrile seizures toxic chemicals are released in the brain, burning tissue. A better understanding of the process might eventually help prevent post-febrile epilepsy from developing—as Applegate's work may sometime help to prevent post-traumatic epilepsy.

Sums up Applegate: "We can use the knowledge gained in the human-tissue studies to contribute to our knowledge in the rat studies. Passing such information back and forth is a great feedback relationship."

Intractable epilepsy—as a visit to the Epilepsy Unit clearly demonstrates—can be a devastating disorder. It has lifelong effects on the sufferer, the sufferer's family, and on the society that loses the potential contributions of the individuals afflicted.

But, if the brain is a queer sponge, as Williams says, then the Epilepsy Unit is finding ways to help that sponge become strong, flexible, and useful again.

Kathy Quinn Thomas is editor of the University newspaper Currents.

Wood: The disorder has powerful consequences both for patients and for the people they live with, which is why Wood and her colleagues offer family-style help for managing the rough spots along the road to recovery.
Do photographs lie? Of course they do, says Willis Hartshorn '73. But that's just another facet of this most accessible—but ultimately elusive—art form.

Blame it on Forrest Gump. Most of us, presumably, understand that that movie's star, was not, in fact, an adult when John Kennedy was president. If the film shows us otherwise, convincingly, we must conclude once and for all that even photography can lie. Thanks to the advancements in electronic imaging responsible for the computer-based special effects used in the Tom Hanks smash, photography, whether still or moving, may soon be seen as no more inherently trustworthy than words on a printed page.

Which is just as well, according to Willis Hartshorn '73. Hartshorn directs the New York City-based International Center of Photography, a job he was appointed to in July of last year.

"The idea that seeing is believing is a 19th-century notion anyway," says Hartshorn. Sophisticated observers have long since understood that photography is not some hallowed keeper of the Unvarnished Truth. "Photographers could always manipulate our sense of reality by context—where something appears, or how it appears." Now, "it's out of the bag," he says. "Electronic imaging shoots a bullet through the head of 'Seeing is believing' once and for all."

And that's just the start of what electronic imaging does to the world of traditional photography. The ability to create, store, and reproduce pictures digitally will have, anticipates Hartshorn, a huge impact on image distribution. The idea of an exhibition featuring pictures and frames on the wall may be transformed when museums routinely have the capacity to show many thousands of images on an electronic device, he says.

Likewise affected will be "our sense of how we collect pictures." The ability to provide researchers with a visual representation of images from remote collections, either on an electronic storage device or online, is "an extraordinary opportunity for us," he says. Only two decades old, and located in high-rent Manhattan, ICP has been unable to amass anything like the collection housed, for instance, in the George Eastman House in Rochester, both for reasons of cost and reasons of space. "That becomes less relevant," he says, "if we can someday give scholars access to collections far beyond the ICP walls."

This particular idea is in the early stages of enactment—ICP is in a new program with the Eastman House and two other major photographic museums to link all four collections online, through the Internet. In its first stage, this will be a text link—a database featuring scholarly information about the images in the collections. Down the road, however, Hartshorn is eagerly foreseeing the day when the collections will be visually online as well.

Such ideas, of course, open up many cans of worms in the intellectual property arena, but, as with the precept that photographs don't lie, Hartshorn feels such issues were never clear-cut to begin with. "Originality and ownership have always been elusive in photography," he notes. "We might as well get over it."

"In a way," he continues, "electronic imaging underlines some of the very strengths of the medium that the public has had the most trouble with"—the idea, for instance, that an unlimited number of equal-quality reproductions can be made from an image's original negative; or questions about who holds artistic responsibility for images the photographer "merely" finds and shoots, or images which—a common technique in post-modern art of all stripes—consciously mimic or echo other existing images.
This is, needless to say, an interesting time to be at the helm of one of the world's leading institutions devoted to the art and practice of photography. "The photographic medium is going through a fundamental redefinition at this point," says Hartshorn. A big question for him, in both the immediate and the longer-term future, is: "How do you reflect those changes in the institution?" He is only beginning to formulate some answers but relishes the opportunity at hand. "It is," he says, "a wonderfully challenging situation."

With Hartshorn ascendant at ICP, the city of Rochester has expanded its influence on the world of photography yet again. He not only earned his bachelor's degree at the University, but received a master's degree from the locally based Visual Studies Workshop; he furthermore spent two years as an assistant in the exhibitions department and research center of the International Museum of Photography at the George Eastman House.

Founded in 1974, Hartshorn's museum, The International Center of Photography, is a mere sprig compared to the venerable Eastman House and has grown with a somewhat different mission in mind. As Hartshorn says, "The Eastman House is built around its collection; ICP is built around its educational programs."

Some 4,000 people a year attend ICP courses, lectures, and workshops, making this the most extensive full-time and continuing photographic education program in the world. Being in New York City, ICP, when hiring faculty, can and does take advantage of the local talent—leading photographers, critics, and art historians. Advanced students of photography mix with interested beginners from other walks of life, sometimes in the same classroom, with sometimes surprising results. Hartshorn remembers a 10-week workshop that was held at ICP with Richard Avedon. From an open submission of portfolios, Avedon himself chose about a dozen students. Some were professional photographers;
Hartshorn on Ellen Carey, *Untitled*, 1985:

"Ellen Carey's work, beginning in the late 1970s, has always considered photography's relationship to other art forms, most often combining paint on photographs to move the image away from photographic reality. Here she uses the simple technique of double exposure to add abstract pattern to the portrait. While there is a reference to ancient practices of body decoration, there is also a sense of mankind in the future, where technology and biology come together."

others were not. So well did the group work together, so valuable was the time spent, that this 10-week workshop ended up meeting once a week for the next two years.

That amateurs and professionals are able to mix successfully relates to one of photography's most tantalizing characteristics: its logistical accessibility to anyone who cares to try. A great photograph is at least theoretically shootable by, basically, anyone. A highly trained photographer himself, as well as a recognized scholar, Hartshorn rather unexpectedly acknowledges this seeming quirk.

"Photography is not like painting, or music, where you would need to build the physical dexterity to master the form," he says. "You clearly can just pick up a camera and go out and make substantial pictures from an aesthetic point of view." That is at least partially why, as a museum director, he finds it "less interesting to try to identify a single image out of the whole population of images" and label it "the 'perfect picture,' as it were.

"What is much more interesting," he says, "is to try to identify the photographer who is capable of using the medium in the most consistently articulate way—someone who is able to develop his vision over time." Thus, while Hartshorn displays no false modesty about the quality of the individual pictures he has taken ("I can create photographs which on the surface look remarkable," he says), he likewise has no false illusions about their stature in the greater world of art photography. What is required to distinguish yourself there, he says, is "a body of work which has some density."

The photographers Hartshorn most admires—among them, the great Parisian chronicler Eugene Atget, American innovator Man Ray, and wartime photographer Robert Capa—are those whose vision is both strong
and consistently developed. His own research over the years has revealed to him the likelihood among great photographers of producing an incredible body of work in a relatively short period of time—perhaps three or four or five years.

Why should this be? Hartshorn feels such a phenomenon exists in a lot of creative pursuits. For whatever reason, there are periods of time when artists become intensely focused—they find themselves, in today's parlance, "in the zone." With photography in particular, some of this may be circumstantial—for instance, Capa's work during the Spanish Civil War and World War II.

But this sort of work is not going to spring from some accidentally located camera bug. In Hartshorn's view, photography's shining talents are people who combine an intuitive vision with years of experience. "It's like a kind of athleticism," he says—you practice and practice and train and train so that ultimately, without even thinking, you are in tune with the process, and produce consistent, high-level work. On the walls of his ICP office are what Hartshorn deems "generic cultural pictures"—a photograph of his daughter, Annie; a photograph of photographer Man Ray; a picture, from an album, of coffins from a funeral home; four circular postcards of the Eiffel Tower; and a line drawing of the museum itself. Even if he could (and he can't; office conditions are unsuitable for ICP's collected photographs), he wouldn't display museum photos on his wall. It would be too straightforward for someone who, when taking his own pictures, prefers "photographs that try to solve an intellectual game"—photographs that, he acknowledges, are "more theoretical than visual, representative of ideas as opposed to an event or a person or something in the world itself.

"If I were a writer," he says, to illuminate with an analogy, "it would be more interesting for me to write a book about

Hartshorn on Robert Capa, Falling Loyalist Soldier, 1936:

"Capa was the consummate war photographer, covering the Spanish Civil War, World War II, and losing his life at the start of the war in Indochina. This photograph, perhaps his most famous, is so immediate and direct, so lacking in artifice, that the viewer senses only the moment of death. Capa's work is characterized by a simplicity of means and a directness of approach. We are almost never aware of the photographer, which enhances our sense of the event taking place in front of the camera."
Hartshorn on Baron Adolph de Meyer, *Self Portrait*, undated:

"Baron de Meyer worked with great energy and success to find an artistic vision for the new medium of photography as the 19th century came to a close. Later he toiled just as hard to create an image of elegance that for nearly 20 years defined the standards of fashion in the new century. To see his accomplishments now is to appreciate the romantic image of elegance that was his creation, and to understand how clearly they define later styles of photography."

Jeremy Schlosberg frequently writes about alumni for the Review.

the process of writing a book than to write a book to be a story itself." Thus are his pictures best seen as pictures about pictures—"pictures that encourage us to question our assumptions about visual images."

It all gets a little theoretical-sounding, and Hartshorn, actually, is the first to admit it. He notes with more than a little irony that, despite that theoretical bent to his work, those of his pictures that are proving to mean the most to him over the years are the sorts of traditional, personal pictures that most of us take and keep over the years.

But, as with the idea of easy reproducibility, one can take photography's ultimately elusive artistic standard and either back away or, as Hartshorn does, embrace it. One of his favorite types of photographs, in fact, is one in which there is a meeting of high-art aesthetic and mass-culture image, such as is found in the work of Frank Majore.

Photography has always been a captivating but puzzling art form. There is little like a photographic image to rivet the eye and capture the attention; and yet many of us find it harder in a photograph than in, say, a painting, to discern that spark that says "Art." And reading too much photographic theorizing—all these abstract values applied to such a concrete object—tends to make our response more rather than less confused.

Which is, in the end, okay and understandable, says Hartshorn. We are a culture awash in photographs, and by and large we know, by now, exactly what most of what we look at means. "It's very clear that the general public is far more sophisticated about photography than it has ever been"—and that, he says, "is fundamentally more important than understanding when people are being 'aesthetic.'"
don’t think I chose to be a composer. I
think composing chose me,” says the newest
member of the Eastman composition fac­
ty. At age 30, Augusta Read Thomas al­
ready has compiled a formidable oeuvre, in­
cluding a major new commission from the
school. So what makes her tick?

He composes in marathon ses­
sions, 9 to 13 hours at a stretch, dressed
in a T-shirt and sweat pants and down­
ing gallons of herbal tea.

“There’s this whole ritual I go
through,” Augusta Read Thomas ex­
plains, wondering out loud whether we’ll
think it’s funny. “I have a particular
chair that I sit in, a professional chair
with about 18 settings. And I have my
rulers in place and my pens all lined up,
from the softest to the hardest nib.

“My desk is huge—I went to Staples
and asked them for the biggest desk
they sold.” She does most of her work
there rather than at her electronic key­
board, which she uses rarely. Instead,
she imagines her music in sounds and
colors, like a waking dream.

When she’s composing, she’s really
“in the work,” as she describes it.

“Seven hours can go by in a minute. I
love it.”

“There’s a certain part of the creative
process that has to be dogmatic and un­
relenting,” she goes on, speaking of the
“visceral process” of music-making.

“You have to have a vision and you have
to suffer for it. As the Buddhists say, life
is dukkha—life is suffering. And that’s
not always a bad thing.”

“Who IS Augusta Read Thomas?”—
as a reporter for The Boston Globe once

Reading
THOMAS

By Denise Bolger Kovnat

I don’t think I chose to be a composer. I
think composing chose me,” says the newest
member of the Eastman composition fac­
ty. At age 30, Augusta Read Thomas al­
ready has compiled a formidable oeuvre, in­
cluding a major new commission from the
school. So what makes her tick?
asked after hearing her music for the first time.

At 30, she's the youngest, newest, and sole female artist on the composition faculty at the Eastman School of Music—having joined the department when the revered Samuel Adler retired last year after 28 years of teaching. Her credits befit a composer twice her age: The New York Philharmonic, the Philadelphia Orchestra, the National Symphony, the Residentie Orkest of The Hague, the Dallas Symphony, the Rotterdam Philharmonic, and the Minnesota Orchestra, among many others, have performed her works. None other than Mstislav Rostropovich, music director of the National Symphony, commissioned a large orchestral work called Air and Angels and a short piece for orchestra called Ancient Chimes, as well as another work, Ligeia, the premiere of which he conducted at last year's Evian Festival in France. (The American premiere of this last piece—a chamber opera based on a short story by Poe—takes place at the Aspen Music Festival in July.) Works in progress include a commission from the Chicago Symphony Orchestra and a theatrical oratorio—commissioned by the Eastman School—celebrating the 75th anniversary of the 19th Amendment and the 175th anniversary of Susan B. Anthony's birth (more on this later).

Thomas holds degrees from Northwestern (bachelor's in music), Yale (master's in music), and the venerable Royal Academy of Music in London (advanced course diploma). Along the way, she has earned a concert-hall-full of prestigious awards, including a Guggenheim and a Charles Ives Fellowship, the International Orpheus Prize for Opera (based in Spoleto, Italy), and grants from the NEA, Harvard, and the Naumburg Foundation.

Composer Jacob Druckman, her teacher at Yale, praises her artistic growth in the six years since she studied with him. "I'm just totally dazzled by her work and what a wonderful composer she is. I think there is a solidity to her music, and a strength."

When asked to describe her as a student, he recalls a time when she sought his advice about entering a competition. "Do you think I should submit this?" she asked, handing him a list of her compositions. As he remembers, the list "included something like six symphonies and four concerti—numbers that I certainly questioned in someone that young. I said to her, 'You've written all these? Don't submit it—nobody will believe it.'"

So who IS this "unbelievable" young composer, Augusta Read Thomas? For all that prodigious talent and drive, she impresses one as decidedly normal, low-key, and agreeable. (As Ned Rorem, the modern composer, once wrote, "An artist is like everyone else—only more so!") Her speaking voice, mellifluous and aristocratic, could belong to a singer. To look at her, you might think of a Pre-Raphaelite painting. Even her name (the initials are ART) could belong to a 19th-century poet or sculptor—the sonorous equivalent of Alfred Lord Tennyson or Augustus Saint-Gaudens.

As for the late-20th-century artist before us: Clearly, there's little affectation here. She eats sparingly and simply, having been a dedicated vegetarian since the age of 15. Her monk-like devotion to her work is such that she hasn't seen a movie "in years, other than on a trans-continental flight." Was it Flaubert who advised artists, be quiet and measured in your life, so that you may be passionate and violent in your art? Thomas seems to follow this rule instinctively.

She grew up among music lovers, as the youngest of 10 children in a blended family. "My older brothers and sisters were upstairs listening to the Beatles and my parents were downstairs listening to the Goldberg Variations," she recalls. The family would often gather after dinner for a performance by one of the siblings—on trumpet, in her ease. While other households were tuning in to "Bonanza" (we won't mention any names), "that's what we did, many evenings," she says.

Thomas's style—both musical and personal—is a combination of elegance and muscle. You can hear it as she speaks.

On becoming a composer: "I don't think I chose to be a composer—I think composing chose me. It was sort of an inevitable outcome of my curiosity, although I'm not sure that's the right word. I like to think about things. I remember as a child asking myself questions like, why on earth did Bach do that? Why did he turn that phrase upside down?"

On composing: "This is my blood, guts, life. It's my entire breath, life, and death. I want that to come through."

On building audiences for modern classical music: "If I'm true to my deepest musical impulses and imaginings and if I stick by them, then that's what will lead me to an audience. Hopefully, the audience will see that it is sincere and that it is particularly Augusta Thomas and not Bach, Beethoven, or rap. An educated audience will hear that."

On teaching: "I think I'll be teaching even when I'm 85 years old—because, to me, teaching is a never-ending journey of learning. It has to be."

On relaxation: "I like to play tennis—I find it relaxing. When I came to Rochester, one of the first things I did was join a tennis club. Sometimes I play against a ball machine, just wham, wham, wham, hitting the balls again and again. And I like sleeping. I love to sleep.... I like to talk on the phone. I have a colossal phone bill, partly because my husband [Bernard Rands, composer-in-residence for the Philadelphia Orchestra] and I live in different cities. And I like to compose. I really like to compose. That whole visceral experience, sitting at a desk and working, feels really good."

As for her work itself: To lay audiences, Thomas's compositions fall into that grand, aurally uncharted territory known as modern classical music. Where Bach, Beethoven, and Mozart offer the reassurance of hummable melodies and orderly rhythms, new music, in many cases, strives for an entirely
new concept of what music is all about. Classical-music commentator Rob Kapilow '77E (Mas) refers to this as "the breakdown of narrative" that is the essence of modernist experimentation. (From Ulysses to cubism to John Cage, Kapilow adds, the modernist impulse is to "make it mine and make it new. It's got to be different from everyone else's work.")

As such, Thomas's work is complex, abstract, dreamlike, and unfailingly challenging for listeners and performers alike. She describes her music as "highly expressive, very colorful, very dramatic. Those are all general words, but I think they apply. It's music that craves a listener, as opposed to music that pushes listeners away."

In an era dominated by rock and roll—and as fond as she is of pop artists ranging from Frank Sinatra to James Taylor—she draws her inspiration from a long list of classical composers. "Bach is number one, above all... Mozart, late Beethoven, Stravinsky, Debussy, William Byrd and Monteverdi—both before Bach... Berio, Takemitsu... I like pieces," she says, "not necessarily the whole catalog of any one composer. And Mahler is key—how could I forget Mahler?"

Closer to Stravinsky (whose Rite of Spring provoked a near-riot at its 1913 premiere) than to Bach, Thomas's music relies on "fragments and figures" for melody and "sound clusters" for harmony, as a reporter for the Berkshire Eagle observed. One two-minute choral work, Alleluia, evokes the bells of a great cathedral in chiming, chromatic chords that melt into harmony at the end. The poet André Gide could have been thinking of the piece when he wrote, "The sole art that suits me is that which, rising from unrest, tends toward serenity."

Her music is "golden," according to cellist Sara Sant'Ambrogio of the Eroica Trio, winner of the 1991 Naumburg Chamber Music Award. When the group set out to choose a composer for a commission from the Naumburg Foundation, Thomas was the unanimous choice out of 30 whose tapes they heard.

"Her work just leapt out at us as being so fully finished, so polished. It had such a distinct and unique style and voice. Nowadays, so many different styles have been published—from Bach to Beethoven to Stravinsky—that it's hard to find a unique voice that makes sense, that isn't different just for the sake of being different."

The commission resulted in Angel Chant for piano, violin, and cello trio. "We continue to get requests for it," says Sant'Ambrogio. "It's an important part of our repertoire." Surprisingly, the piece appeals to children as well, she says. "We did a residency at the Cleveland Chamber Music Society last year and we performed it for young, young children in our school programs. It was one of the biggest hits—they really loved it, with all the different types of sounds, the power of it."

Angel Chant ... Ancient Chimes ... Vigil ... Air and Angels ... Wind Dance ... Glass Moon ... Echo ... Whites ... The names for Thomas's works have a crystalline, ethereal quality. A glance at her scores reveals estimable craftsmanship and attention to detail. In all of her work, she says, "I am striving for clarity of expression and immediacy, sometimes through simple, sometimes complex means, and also elegance, refinement, drama, and passion—all of which I believe to be qualities of the human capacity."

The reviewers consistently rave. The Philadelphia Inquirer: "Thomas' piece, Glass Moon, opened the concert—as it should, since it was about 11 minutes of boldly considered music that celebrated the sound of the instruments and seemed to reaffirm the vitality of orchestral music in general."

The London Times: "Augusta Read Thomas's Two Klee Pictures was colourful but deeply felt music..." The New York Times: "Ms. Thomas is in full command of the orchestra's textures and colors, and she used them [in Wind Dance] to create a vivid 18-minute work that paints the swirling picture suggested by the title."

The London Independent: "There is a powerful lyrical instinct at work here..."

New York magazine: "The Thomas Sinfonia Concertante is indeed a winner, a one-movement showpiece that begins with a burst of energy from the saxophone, which retires to mull over its options before working up the music materials to a stunning conclusion."

With such accolades, this newcomer to the composition department fits right in. Over the years, the department has netted seven Pulitzer Prizes—three by faculty and four by alumni—while faculty members almost routinely lay claim to Guggenheim, Friedheim, Naumburg and other prestigious awards.

S till, even as a star in this constellation, Thomas is making departmental history as its first female composer ever. Does she find all this—well, disconcerting?

"I wasn't nervous about joining this department," she says without hesitating. "I've worked 30 years of my life to get this job."

As she speaks, she sits in her simply furnished office, waiting for a student—
Anthony having famously in 1900 pledged her life insurance to secure the admission of women here.) The 30-minute piece—which Thomas classes as “music theater”—will feature the Eastman Philharmonia along with a female narrator; a soprano, mezzo, tenor, and bass quartet; and a piccolo, cello, trumpet, and English horn ensemble. Emily Freeman Brown '90E (DMA), director of orchestral activities at Bowling Green, will conduct.

Creating the work “was an enormous challenge,” says Thomas. “My art is not political, it’s abstract. I’ve never done another political piece.” Referring to the site of the pioneering women’s rights convention of 1848, she muses that she might have written a “Seneca Falls Oratorio” based on a collection of famous women’s speeches. “But the subject of women—with a capital W—is far too vast and mysterious to focus on closely in one direction. Better to focus globally.” She and her librettist, Leslie Dunton-Downer, instead have created an oratorio that “deals with big human questions.”

The two met when they were both Junior Fellows at the Harvard Society of Fellows. (Next year, Dunton-Downer will finish the prize fellowship, which is awarded annually to just eight people worldwide, offering them total freedom to pursue their work.) They first collaborated on the Ligeia commission from Rostropovich. After this, says Thomas, “it was a clear choice” to ask Dunton-Downer to collaborate on Conquering the Fury of Oblivion. (They decided on the title after months of struggling. It’s far too vast and mysterious to focus on closely in one direction. Better to focus globally.” She and her librettist, Leslie Dunton-Downer, instead have created an oratorio that “deals with big human questions.”

Conquering the Fury of Oblivion comprises nine movements: “Sail Away,” “Labor and Love,” “Looking Inward,” “Trial and Chaos,” “Rage,” “Awakening,” “Soaring,” “Reflection,” and “Invitation.” The libretto borrows widely from literature and historical documents—including nursery rhymes, work songs, spirituals, personal letters, early radio tunes, suffragist oratory, contemporary poetry, and the proceedings of the trial of Susan B. Anthony, when she was tried and convicted for voting, in Rochester, in the presidential election of 1872. Among those quoted (in no particular order): Abigail Adams, Elizabeth Cady Stanton, Julia Ward Howe, Emily Dickinson, Betty Friedan, Portia, Gertrude Stein, John Adams, Eleanor Roosevelt, Senator Owen of West Virginia (from the Congressional Record upon the ratification of the 19th Amendment), Adrienne Rich, Alice Walker, Florence Cawthorne Ladd (who earned her doctorate from Rochester in 1958 and now directs the Bunting Institute at Radcliffe College), Emma Goldman, Sojourner Truth, and, of course, Anthony herself—along with the hapless Judge Ward Hunt, who presided over her trial.

“You’re not going to believe this,” says Dunton-Downer, “but I spent a year researching this piece. You can imagine that it’s very difficult to start with a historical set of problems and turn that into an art piece.”

Her aim, she says, was to write something “that would be exciting and entertaining for the audience and then, on another level, would give Augusta some interesting problems to develop. I wanted to give her the opportunity to create a work that would add to her
Like the history of women's rights itself, Conquering the Fury of Oblivion has its high points. Early on, in the movement called "Labor and Love," a musical baby is born," says Dunton-Downer. Listeners will hear "a sort of scat singing"—"dot spot dit dat" sounds that evolve into the "ohs and ahs" of sensuous pleasure and then into the cries of a woman in labor. Explains the librettist, "It's the sound of Susan B. Anthony's birth. If you spent a lot of time analyzing it, you'd figure it out eventually."

Further on, in the middle of the piece, she says, "Augusta has made a very interesting decision. During the famous court scene between Susan B.

To lay audiences, Thomas's compositions fall into that grand, aurally uncharted territory known as modern classical music.

Anthony and Judge Hunt, she has taken the orchestra out. The result is "a miniature dramatic performance that accentuates what the orchestra does when it comes back in."

Stepping back to view what they've accomplished, Dunton-Downer says, "We're really trying to deal with the kinds of journeys that people need to make—interior, very emotional, painful, at times exasperated, and sometimes wonderful."

"There are so many voices in me," sings the soprano in the third movement of The Fury of Oblivion, quoting a poem by Lucha Corpi.

There are so many voices in me so many voices going down to drink at dreams' edge on winter nights....

If you listen, you can hear them singing, wordlessly, while the music plays.

Denise Bolger Kovnat, who edits the Alumni Review section of this magazine, profiled Robert Kapilow '77E (Mas) in the Fall 1994 issue of Rochester Review.
Time out for a laugh: Orthopedic surgeon Liza Arendt may be incorrigibly busy, but that doesn't stop her from enjoying a good chuckle. Here she jokes with a patient while checking out her arthritic knee.

On Keeping Fit

"It's an unbelievable honor," says Elizabeth Arendt '75,'79M (MD),'84M (Res), referring to her appointment to the President's Council on Physical Fitness and Sports. "I'm the only physician on the whole 20-member council." Established in 1956, the council, as its name suggests, advises the president and the secretary of health and human services on health and fitness matters.

The incorrigibly busy Arendt has little time for extras in her schedule—it's difficult to know how she fits the "unbelievable honor" in. (She has been known to dictate into a tape recorder on her morning jogs, to save precious minutes.) The phone interview for Rochester Review is a quick one, jammed in among her various responsibilities as:

- The first female director of a Big Ten athletics department—the University of Minnesota's Sports Medicine Institute;
- An orthopedic surgeon with a thriving private practice;
- Member of the NCAA committee on competitive safeguards and medical aspects of sports;
- Physician to Team USA in women's ice hockey;
- Researcher on stress injuries in female athletes;
- Wife to lawyer Jim Hamilton;
- And (by no means least, says Arendt) mother to daughter, Maura, 6, and son, Tim, 8.

It was all those hats she wears that attracted the fitness council's attention to her, says its press secretary, Phillip Wiethorn. "The fact that Arendt is at the University of Minnesota, is head of the department of sports medicine, and is a female orthopedic surgeon—all bring different perspectives that are needed at the council."

"People have this perception that the council is full of doctors, all talking about medicine," Arendt says. "Actually, it's about keeping people fit." One of its major focuses is to promote healthier lifestyles for young people, she says. "We want to make an impact on youth groups, show them the positive effects of not smoking, of eating right, and of getting enough exercise." The former college athlete still vigorously practices what she preaches with that last. In addition to the aforementioned jogging, she also plays squash and has a standing golf game with friends. However, her schedule is becoming increasingly squeezed with meetings, team travel, surgery, lectures, and research papers having to do with her professional life.

Sports medicine is still a pioneering field for women, Arendt admits. "There are certainly more women entering the
field today than ever before. But there are still less than half a dozen visible ones."

Arendt gives credit to the University for her own success ("I owe it a lot"). She came to Rochester on a Bausch & Lomb scholarship, with a big interest both in biology (she already had her sights set on a medical career) and in physical activities, having played everything from volleyball and track & field to ping pong and horseshoes in her hometown of Chicago.

During her sophomore year, Title IX went into effect, guaranteeing women equal access to school sports and opening up new opportunities. Still an undergraduate, Arendt became assistant to the volleyball director, director of men's and women's intramural play in the sport, and a student trainer for female athletes. "Along with medical school, it was the perfect education for a sports physician," she says.

Not surprisingly, her research interests center on women athletes. Typical is a recent study of which she is co-author that found that the knee injury most feared by basketball players—a tear in the anterior cruciate ligament—is suffered six times more often by women than men.

"It hasn't been all that long since Title IX," Arendt says. "We need to look more closely at women in sports—the research is out there, just waiting to be done."

**Caveat Emptor**

In 1908, Wanamaker's department store in New York City opened its "House Palatial": a two-story, 24-room dwelling that extended from the sixth to the eighth floors in the heart of the store's rotunda.

By 1913, more than one million people a year were visiting this dream "home"—replete with its own staircases, butter's pantry, servant's dining quarters, Elizabethian library decorated with tiger skins, Jacobean dining room, Louis XIV salon, and large Italian garden off the dining room.

Such are the mercantile marvels described by William Leach '77 (PhD) in The Land of Desire: Merchants, Power, and the Rise of a New American Culture (Pantheon Books, 1993). "Sell them their dreams," a woman radio announcer urged a convention of display men in 1923. "Sell them what they longed for and hoped for and almost despaired of having. Sell them hats by splashing sunlight across them. Sell them dreams—dreams of country clubs and proms and visions of what might happen if only."

Americans bought, Leach contends, without necessarily knowing what they were buying into. "Beginning at the turn of the century, it was a building, a slow building toward new ways of promoting consumption and new forms of credit, new ways of getting people to part with their money," he says over the phone from his home in Carmel, New York.

His book chronicles the rise of such institutions as Marshall Field's and Carson, Pirie, Scott in Chicago; Macy's in New York; Filene's in Boston; and, at the center of it all, Wanamaker's in Philadelphia. A master of synthesis, Leach also deals with—among many other topics—the founding of Wharton and Harvard business schools; the growth of credit policies, charge accounts, and installment buying; the Great Depression; the careers of L. Frank Baum (creator of the Wizard of Oz books), Maxfield Parrish, and Louis Tiffany; the IWW, Edward Bellamy, and John Reed; Elbert Hubbard and the Arts and Crafts Movement; the original Pollyanna by Eleanor Porter; and the beginnings of the Macy's Thanksgiving Day Parade.

In short, Leach shows us how "the capitalist concept of self, the consumer concept of self" became "the reigning American concept"—bringing us to our modern-day world of consumer credit, pictorial advertising, fashion modeling, and, of course, the Macy's Thanksgiving Day Parade. Leach suggests that this rejects what is also 'human' about human beings: their ability to commit themselves, to establish binding relationships, to sink permanent roots, to maintain continuity with previous generations, to remember, to make ethical judgments, to seek pleasure in work, to remain steadfast on behalf of principle and loyal to community or country... to seek spiritual transcendence beyond the self, and to fight a cause through to the end."

The Land of Desire came out in paperback last year. "The paperback has gone into its second printing—which means 20,000 copies sold, and that's very good," says Leach. The New York Times gave it a favorable write-up, and Harper's carried a glowing three-page review by Lewis Lapham. (Others have not been as kind, he says, recalling that "somebody called me 'a dour Marcusian.' ""

The book's success—it was a finalist for the National Book Award and also won the Hoover Prize from the Hoover Presidential Library—has allowed Leach to devote himself full time to his writing. He formerly taught history at Columbia and before that at NYU, the University of the South, and Wesleyan. His first book—True Love and Perfect Union: The Feminist Reform of Sex and Society—had roots in his doctoral dissertation, he says, which he completed under the late Rochester historian Christopher Lasch. "He was a great figure, a great cultural critic, a great man," Leach asserts. "Of course I was influenced by him."

Currently, Leach is at work on a new book, to be named Country of Exiles. "It's about America at the end of the century," he explains. "The organizing theme is that the culture is experiencing a major transformation that has resulted in the breakdown of boundaries that historically organized behavior." One dimension of this, he says, is "the push toward global markets"—another, the fact that "people are forced to label themselves" in the name of ethnic and racial diversity. The result is "great hostility on the part of many groups to creating stability; a sense of secure well-being."

In any case, he concludes, in the spirit of his mentor and fellow social critic, Christopher Lasch, "I feel that I want very much to write something about modern America. The more voices, the more articulate voices, the more thoughtful voices we have—especially from a countervailing point of view—the better off we will be."

**Minstrel with a Modem**

Take heart, old folkies: Here's a recording company just for you.

Sampler Records, homegrown and family-owned in Rochester, New York, features a catalogue of toe-tapping, hand-clapping releases with titles like "Adirondack Fiddler," "St. Patrick's Day in the Morning," "Shenandoah," and "Dulcimer Daydreams." It's one of the few places on earth where you can find "Greensleeves" on dulcimer and Celtic harp, or Shaker spirituals sung a cappella, or "Elihu Hanavi" performed by a harpist and a cantorial singer, or "Paddy on the Turnpike" played on a genuine button accordion.

Mitzie Collins '63—f a folk singer who knows her way around a hammered dulcimer better than anyone we know—founded the company back in 1977. (Secretary-treasurer of the company is her sister, Eliza Collins."

Rochester Review/Spring-Summer 1995

39
husband, Tom Bohrer, a former teacher and college professor who earned an M.B.A. from the Simon School in 1985.) Today Sampler sells cassettes and CDs to some 600 stores across the country and maintains a customer-mailing list of 30,000 names. This spring, the company's recordings will be marketed in the "Wireless" catalog, originally affiliated with Minnesota Public Television.

"It's a big order," says Collins, "but we're prepared."

Where does her confidence come from? High technology, at least in part. If it weren't for her PC, fax machine, and cellular phone, she insists, "I would have a hard time disseminating folk music."

Computers "made our company happen," she mused. "Where we started out, we used to keep our mailing list in a shoe box."

Another boon of the computer age, she adds, is digital recording, which has opened up new possibilities for folk music. "You get away from tape hiss, which is a killer for any music that has a very simple texture. When you record 'direct to digital,' you can record people singing unaccompanied, for example—you don't need background instruments to make a lot of noise. And the resonant sounds of the dulcimer or the harp come across so much better."

Collins has been well known in the Rochester region as a folk singer and instrumentalist for some 30 years—although she didn't plan it that way. As a child growing up in Texas, she recalls, "I must say that I was a real snob. I thought folk music was for those guys on TV in funny-looking hats and boots. Of course, 'those guys' were legends."

After graduating from Eastman with a major in piano, she learned to play the organ and became a church organist, in part because she enjoyed interacting with the choir.

During the folk-music revival of the 1960s, "when the guitar hit the churches," she says, "a lot of organists were threatened. I was too, but then I thought, why don't I learn to play the guitar? I guess I kind of went off the deep end after that."

The deep end, in her case, meant learning to play not only the guitar—but also the mandolin, banjo, and hammered dulcimer, among other folk favorites. Collins says that she's had "a love affair with the hammered dulcimer for 20 years."

"I'm a liberal," declares James Hadley '62, chuckling a bit when he's reminded that the term can be construed these days as somewhat less flattering. "I'll repeat it then—I'm a liberal. And I enjoy projects with a liberal bent."

An architect (he's an associate partner in the firm Wank Adams Slavin Associates in New York City), Hadley says that—while he has had extensive experience with public buildings, hospitals, schools, and the like—his real passion is designing environmentally friendly housing projects.

And lately he's been getting considerable ink (along with solid kudos) for the Hadley-designed "green architecture" that is rising unobtrusively on lush St. John in the Virgin Islands. From The New York Times and Condé Traveler to Time and "Good Morning America," the media have carried admiring word of his Harmony Resort, which last year was cited among Popular Science magazine's "Best of What's New" and named winner of its Environmental Technology Award.

One of three eco-friendly projects that Hadley has designed on the island, Harmony is an eight-unit, two-level guest condominium near Maho Bay Camps, the 114-tent hillside village he designed in the '70s. Nearby, located on a piece of arid land, is Estate Concordia, his latest project that is an embellishment on the tent concept.

You could call Harmony Resort a green dream: It's built from an ingenious variety of recycled materials that includes laminated scrap timber as framing lumber, vinyl-coated newprint as roofing, and waste glass as flooring—with threadbare tires taking on a new lease on life as fabric for entry mats. The water supply comes from rainwater-capturing cisterns and the electrical power from photovoltaic panels that provide enough solar energy to run a refrigerator, lights, microwave oven, and ceiling fan.

Stanley Selengut, the owner of the projects, is concerned about preserving the delicate balance of natural life on the island, says Hadley, which means that design and construction centered on minimizing their impact on the St. John landscape. The units were kept small to keep "the footprint" of the buildings from destroying more earth than was necessary. Construction damage was minimized by the creation of boardwalk-type walkways even before work began, keeping bulky equipment and heavy feet away from delicate plants.

Estate Concordia, the newest project, is a cross between the Harmony condos and the tents, Hadley says. Constructed with fabric panels stapled over a frame,
each unit has water storage and solar panels for hot-water showers—providing the privacy of the condos, with the informal feel of the tents. They won’t leak, he points out, but they do provide thrills of their own: “There is nothing between you and the elements but a piece of fabric—and there is nothing like experiencing a rainstorm on St. John in a tent.”

Kids’ First Aid

Unable to rouse his family, a 4-year-old calls police in the middle of the night when he sees smoke in the house. After her mother passes out in the bathroom, a 2-year-old tells a 911 operator, “Mommy’s sleeping.” A 5-year-old saves her toddler brother with the Heimlich maneuver after seeing it performed in the movie Mrs. Doubtfire.

Properly trained, children are capable of the life-saving heroics typically attributed to adults, says Beth Kent-Astrella ’71N, “I don’t think we give young kids enough credit,” she adds. “Adults panic in these situations because they know what might happen. But kids don’t foresee the danger; they just do it. They just act.”


“We’re convinced that when children understand the basics, they’re equipped to deal with many first-aid emergencies,” says Kent-Astrella, whose two sons, ages 10 and 15, get their share of cuts and scrapes on the soccer field. “Our goal is to teach kids to do the right thing until an adult arrives on the scene.”

Kent-Astrella, who has a master’s degree in psychiatric nursing from the University of Buffalo, co-owns Creative Inservices, a health-care teaching agency in Buffalo. She says she got interested in first-aid training for youngsters after viewing a number real-life emergency shows on TV featuring children as the quick-thinking summoners of help. She decided to write Kids First after a fruitless search for first-aid awareness books for children under

10. The 20-page book was designed as a “kitchen reference” for older children who are home alone and as a picture book for adults to read with younger children. Half-page overlay illustrations of potentially panicky situations flip up to reveal the correct action to take.

Kids First teaches youngsters how to deal with a range of medical emergencies, such as broken bones, burns, sprains, nosebleeds, and choking.

“Given the material, I tried to use a friendly tone to avoid frightening youngsters,” Kent-Astrella says. “With today’s parents so often away from home at work, children need to know more about dealing with everyday emergencies. For myself—having children in school, teaching about HIV, being a nurse—I am increasingly aware of how kids are being asked to be involved in their own safety.”

Kent-Astrella published Kids First herself, in October. A distributor has since placed the book in Buffalo Barnes & Noble stores, as well as bookstores and toy stores nearer to Kent-Astrella’s Williamsville, New York, home. She also takes mail orders (see the note in Books and Recordings, page 42) and has started receiving orders from school groups around the country as a result of a PTA conference she attended.

“I also sent it to ‘Oprah’! We’ll see what happens.”

What Do You Mean by That?

How ambiguous is language? Consider the following newspaper headlines:

Mrs. Gandhi stoned at rally.

Workers accused of selling stamps to be burned.

The first contains what’s called a lexical ambiguity—a word (stoned) that confuses the reader because it has two meanings. (Unless, of course, you know Mrs. Gandhi.) In the second, the threat of going up in smoke could refer either to the stamps or to the workers—a syntactical ambiguity in which the context is unclear.

Language is filled with countless examples of such linguistic ambivalence, which most of us generally have little difficulty processing. Usually, we don’t even, consciously at least, notice the potential for confusion.

Curt Burgess ’91 (PhD), a psychology professor at the University of California, Riverside, is a cognitive psychologist who pays attention to that confusion. For his groundbreaking research in language comprehension, President Clinton named him one of just 30 recipients nationwide of the 1994 Presidential Faculty Fellow Award, which carries a cash prize of $100,000 a year for up to five years.

His latest, award-winning, research involves a computer program Burgess calls HAL (for Hyperspace Analogue to Language). A computer simulation of human memory, HAL differs from other simulations in that it isn’t given definitions or grammatical information about the words it receives. It learns instead from a vast stream of actual conversations—140 million words of conversation, downloaded from online news-group discussions on the Internet. HAL stores the words according to their meaning, which it deciphers through a set of complex mathematical equations, keeping track of which words tend to occur in proximity to which other words.

HAL has a multi-dimensional hyperspace—its language memory—and each of the dimensions corresponds to aspects of word meaning. After reading a sentence, “HAL locates a word in 200-dimensional space,” Burgess notes. “Some of the dimensions, we’re finding out, correspond to emotional aspects of words.” For example, nouns that share positive or negative connotations are grouped together. “It knows cancer is a bad word. It knows love is a good word.”

HAL is also, it turns out, on a par with humans in the speed with which it discards inappropriate meanings of words that can be taken in more than one sense. Burgess’s research has shown, for instance, that when confronted with the sentence “The businessmen took all their money to the bank,” it took only milliseconds—both for Burgess’s human research subjects and for HAL—to pull up all possible meanings of the word “bank” and to discard all but the financial institution.

HAL’s memory may someday lead to such useful tools as intelligent data-retrieval systems and databases modeled on human memory. Creating a computer that can understand ambiguous language would enable people to communicate with computers in human language, rather than computer code. And a clearer understanding of language comprehension may also lead to treatments that could aid stroke and Alzheimer’s patients who have lost language abilities.

Contributed by Denise Bolger Kovnat, Sally Parker, and Kathy Quinn Thomas
BOOKS

Aaron J. Broder on Trial: Reflections of a Master Litigator by George M. Gold '56. Lawyers Cooperative Publishing.


In 24 provocative interviews spanning several decades, Lessing talks frankly to a variety of interviewers—among them Studs Terkel, Joyce Carol Oates, and Brian Aldiss.

Edutainment Comes ALIVE! by William P. Mann '81. Sams Publishing, Macmillan Computer Publishing. Covers all aspects of PC “edutainment” (education combined with entertainment) software, from types of products through upgrading your hardware to run them.


An insider’s view of the current debates raging in Catholic higher education.


Combines history with Halloween collecting and includes the origin of Trick or Treating and other Halloween customs. Over 850 color photographs of items from 1885 to ca. 1986.


An authoritative examination of the emergence of Jewish studies on the American campus.

Kids First: A Kid’s Guide to First Aid by Beth Kent Astrella '71N and Angela Leonard. Kids First, 41 Wickham Dr., Williamsville, NY 14221. $5.

(See Rochester Gazette, page 41.)

Liberating Memory edited and with an introduction by Janet (Ballotta) Zandy '73 (Mas). Rutgers University Press. The 25 contributors use memory—both personal and collective—to show the relationship between the uncertain economic rhythms of working-class life and the possibilities for cultural and political agency.


(See page 9.)

The Marshes of Southwestern Lake Erie by Louis W. Campbell with Claire Gavin '91M (PhD), research associate in developmental neurotoxicology. Ohio University Press, 1994. Explores both the human and natural history of the marshes between Toledo and Port Clinton, Ohio, among the most mysterious, beautiful, and vulnerable of all the wild lands remaining in Ohio.


The author’s father was a world-renowned scientist involved in humanitarian research (he invented the process of freeze-drying blood plasma and vaccine) that may also have been used by the U.S. government in highly classified defense weaponry, including germ warfare. He was also alcoholic and emotionally and physically abusive. Through poetry, prose, and insightful commentary, Flosdorf explores the psychological and philosophical issues that emerged from this experience.


A compilation of highly evocative prose and poetry focusing on the humanistic side of medicine and published as a regular feature in Annals of Internal Medicine, of which LaCombe is associate editor.


Traces the 19th-century rebirth of the organ profession through the careers of Saint-Saëns, Franck, Gigout, Guilmant, Widor, and other influential figures.


Offers a cornucopia of writings from throughout the world illuminating the pleasures, pains, dreams, and triumphs of later life. Features both religious and non-religious concepts, prose, and poetry, from authors as diverse as Emily Dickinson and Alois Alzheimer.


The Purpose-Driven Organization: Unleashing the Power of Direction and Commitment by Perry Pascarella and Mark A. Frohman, president of Organization Resources, is a consultant to numerous large and small corporations on managing organizational growth, productivity, innovation, team-building, and strategy implementation.


Designed as a pocket-sized reference, the book was written for use by doctors and residents in the field.


The first detailed critical overview of the controversial musical art form popularly known as "gangsta rap." Traces its development, offers insight into what the author refers to as "the commercialization of rap music," and demonstrates the negative impact on black youth.


David Liptak, associate professor of composition, Eastman School of Music

As a composer and teacher, David Liptak spends most of his time at Eastman working with composition students to refine their musical intuitions and language.

Among his recent works are The Sacred Harp, a specially commissioned wind ensemble piece for the inauguration of President Thomas H. Jackson, and Ancient Songs for baritone William Sharp and the 20th Century Consort. His Seven Songs on poems by James Wright, and his composition for clarinet and piano, Illusions, have been released on compact disc by Gasparo Records.

Reading for pleasure almost always takes Liptak away from musical topics, and his usual choice is to read novels. His latest list includes:


"Hobhouse's final work is an eloquent story of family. It is autobiographical and honest, and the sadness of this story goes straight to the core. She was a terrific writer."


"A rich and intricate novel, which weaves its imagi­native way from a contemporary account of Noah and The Ark, as told by a stowaway, through a virtuoso multiple telling of the tale of the 1816 shipwreck of the 'Medusa' and the painting by Géricault that it inspired, to a dream of Heaven in which, after centuries of ultimate gratification, everyone simply elects the option to 'die off.' The work is utterly fascinating."


"A captivating and beautiful romance, this novel brings to life an extraordinary story of love and possession, as by daemons' between two poets from the previous century and the parallel events between the two scholars who research their work. It was impossible to put this book down."


"Pearson has completely identified and captured the voice of Neely, North Carolina. His characters are terrific. The telling of the disaster of the Christmas pageant, with Mayhew the barking camel, is a riot."


"There are some authors from whom I read everything I can get—novelists John Gardner and Julian Barnes, poet James Wright are examples—and Russo is another. His latest book follows two others I have read (Mohawk and The Risk Pool) that tell the stories of the simultaneously ordinary and bizarre lives that inhabit his Mohawk Valley landscape."

From Where We Stand by Deborah Tall, Alfred A. Knopf, 1993.

"Written about the landscape of the Finger Lakes in Upstate New York and about the importance that a sense of place holds for us all, this is a collection of historical descriptions, personal history, and meditations upon the land that the author adopted as her own. As I read, I found myself recognizing the author's voice relating my own experiences of living where I do."


"I began by reading Dove's poetry, some of which I set to music. The words are beautiful and musical, and this novel is distilled, like poetry, into essential story. Her written language is direct and conversational, and the story is brought to life through her writing."


Offers a new framework for the discussion of court literature and middle-class literature in the English Renaissance.


Smith's earlier book, Homosexual Desire in Shakespeare's England: A Cultural Poetics, has been reissued in paperback by the University of Chicago Press.


Lieder in German, never before published, by the equally talented sister of Felix Mendelssohn. Edited from her original manuscripts in the Mendelssohn Archive, Berlin.

The Soul by Adrian Kuzminski '73 (PhD). Peter Lang Publishing, New York. 159 pp, $43.95.

Proposes a philosophy of reality in which we are souls distinct from both our thoughts (or minds) and our sensations (or bodies).


Traditional stories, songs, myths, and sayings—from Native American creation myths to spotted owl jokes—that reveal the full richness of Oregon's oral traditions.


Through a series of vivid biographical sketches of female performers and managers, the author provides a provocative discussion of the conflicting messages conveyed by the early theater about what it meant to be a woman.

Working Toward Freedom by Larry Hudson, assistant professor of history. University of Rochester Press.

An examination of African-American culture in the 18th and 19th centuries.

RECORDINGS

The American Innovator, the third of four solo anthologies recorded by pianist Alan Feinstein, associate professor of piano, featuring solo works by Charles Ives, Henry Cowell, John Cage, Milton Babbitt, and Thelonious Monk. Argo.

Nominated for a 1995 Grammy Award.

The Artistry of the Marimba, featuring arrangements by concert marimbist Linda Maxey '67E (Mas) of Carmen Fantasy, Flight of the Bumble Bee, and other familiar works.

Canzonetta, a collection of 16th-century Italian instrumental and vocal music performed by the King's Noyse ensemble, including lutanist Paul O'Dette, associate professor of conducting and ensembles. Harmonia Mundi France CD.

Chopin: Complete Etudes, performed by Rebecca Penneys, professor of piano. Centaur Records.

Clarion—New Music for Trumpet and Organ, selections from 20th century literature performed by Keith Benjamin '89E (DMA), trumpet, and organist Melody Turnquist.

The Joy of Christmas, performed by soprano Laura Mann '65E, '71E (Mas).

The Saxophone Music of Dexter Morrill, featuring three works for improvising saxophonist and interactive digital music system, performed by David Demsey '89E (PhD). Centaur Records.

LETTERS

(continued from page 3)

I was browsing through some family memorabilia, which included a bound volume of issues of *The Universalist and Ladies Repository*, a publication of the Universalist Church 150 years ago. At that time, it was published monthly and the last page of each issue contained a musical composition of some sort, either a hymn or something else that would be suitable for use in a church service. I thought the enclosed [reproduced above] would be of interest to you. It is from the August 1837 issue.

I don't know where the tune for the University's alma mater came from, but it came from either this hymn, "The Pilot on the Deep," or something written even earlier. There is no information as to its composer.

J. Edward Jackson '47 Rochester

It is said that Rochester church organist Herve D. Wilkins, Class of 1866, arranged the music for "The Genesee" from an old English song *The University of Chicago* possibly through the influence of two of its founders, Rochester alumni Frederick T. Gates, Class of 1877, and Thomas Wakefield Goodspeed, Class of 1863) also adopted the tune for its alma mater. The words for "The Genesee," incidentally, were written by Thomas T. Swinburne, Class of 1892, long before the University actually had a River Campus "beside the Genesee." If anyone knows anything more about the music, we'll be happy to hear of it.—Editor.
REMEMBER ROCHESTER
Beautiful and Practical Ways to Keep Up the Tradition

UNIVERSITY OF ROCHESTER TIE — 100% silk navy tie with multicolor University of Rochester school seal imprint. Available with or without gold stripe.

$35.98

SWEATSHIRTS — 9-ounce, 50/50 polyester-cotton fleece sweatshirt with full athletic cut, set-in sleeves and ribbed trim. Crewneck or drawstring hood with pouch pocket. Available in gray with navy school seal imprint or navy with gold school seal imprint. Sizes medium to double extra large.

Crewneck $24.50
Hooded $36.98

BASEBALL HAT — 100% cotton twill baseball cap with 3-bar embroidery University of Rochester design. Available in white with gold and navy thread or navy with white and gold thread. One size fits all.

$13.98

THE GOLD MEDALLION MEN’S AND WOMEN’S WATCHES — Furnished with custom gold medallion design and finished in 23-karat hard-gold plating. The watches are powered by quality ETA Swiss quartz movements. Manufactured by CSI.

$69.00

Watch

Men’s $89.00
Women’s $129.00
Chair

Black $250.00
Cherry

Black and Cherry $250.00
Rocker

Black $250.00
Cherry

Black and Cherry $250.00

GOLD FUTURES

Save up to $100 on gold. Invest in your future. Buy a college ring. It’s one of the smartest investments you can make this year. Call the Bookstore for a catalog of current styles and prices.

$25.00

THE ROCHESTER CHAIR — A traditional favorite made of select northern hardwoods. Chairs and rockers come in all-black, and all-cherry, and black with cherry arms.

$250.00

UNIVERSITY OF ROCHESTER TIE - 100% silk navy tie with multicolor University of Rochester school seal imprint. Available with or without gold stripe.

THE GOLD MEDALLION MEN’S AND WOMEN’S WATCHES — Furnished with custom gold medallion design and finished in 23-karat hard-gold plating. The watches are powered by quality ETA Swiss quartz movements. Manufactured by CSI.

THE ROCHESTER CHAIR — A traditional favorite made of select northern hardwoods. Chairs and rockers come in all-black, and all-cherry, and black with cherry arms.

Mail to: THE BOOKSTORE, University of Rochester, Rochester, NY 14627-0280
(716) 275-4012, Fax (716) 442-0168

SHIPPING & HANDLING:

All items except chair
$4.00 per order
Chair (call for shipping charges and availability)

Prices effective through February 1996

All prices subject to change without notice
Join Us on an Archeological Adventure in Israel!

July 18–25, 1995

Work side-by-side with students and faculty at the University’s ongoing excavations at Yodefat.

Led by Professor William Scott Green, director of the Center for Judaic Studies, this travel/study program offers the opportunity to assist at an actual dig as well as tours of Jerusalem and the Galilee region.

Yodefat, an important center of resistance in the first Jewish revolt against Rome, has already provided invaluable information about daily life and culture in the development of Judaism and early Christianity. Much remains to be discovered and understood. Come take part in uncovering Yodefat’s story! The price—$2,695 including airfare, lodging, and most meals—is more than competitive for an unforgettable 18-day experience.

For details, contact the Alumni Association at (800) 333-0175 or (716) 273-5888.

Are you planning to sell your home or vacation property?

Before you do, contact the Office of Planned Giving to learn more about the following gift options and their advantages:

- Outright transfer of your home
  - ☑ The highest possible tax deduction
- Bargain sale
  - ☑ Tax deduction
  - ☑ A check from the University for the purchase of your home
- Charitable trust
  - ☑ Tax deduction
  - ☑ Lifetime income from the University
- Gift of residence with retained life use
  - ☑ No change in lifestyle
  - ☑ Tax deduction
  - ☑ Reduced estate taxes

With each of these options, you also have the satisfaction of helping to secure the future of one of the nation’s finest educational institutions. For details, call Jack Kreckel at (800) 635-4672 or (716) 273-5891—or write him at the University of Rochester, Office of Planned Giving, 685 Mt. Hope Ave., Rochester, NY 14627-8993.
UNIVERSITY OF ROCHESTER ALUMNI ASSOCIATION

MEET ANNE REX '96, VOGELSTEIN SCHOLAR

With an avid interest in both science and art, how does Anne Rex plan to combine the two to make a living?

She's hoping for a career as a scientific illustrator—specifically in the fields of biology or medicine. And she appears to be well on her way: With a major in ecology and evolutionary biology, Rex has been a Dean's List student for the past four semesters. Last fall, she served as an academic tutor in biology for the Center for Academic Support, and she's an active member of STING, the University's student-alumni organization. In addition to these activities, Rex is a member of Alpha Phi sorority and enjoys playing intramural volleyball. To help pay for her studies at Rochester, she works several hours a week at the Wilson Commons Information Desk.

Rex holds the Max Vogelstein Memorial Scholarship, honoring a rabbi and highly respected Judaic scholar who came to the United States in 1938—an individual who "perceived education as both a solemn obligation and an irresistible challenge." His daughter is Esther Vogelstein '75 and his wife is Ingeborg Berlin Vogelstein '86 (PhD).

ATTENTION: CLASSES OF 1946–49

Come Back to the River Campus for Your Very Special 50th Reunion

If you're a member of the undergraduate class of '46, '47, '48, or '49, you are cordially invited to your 50th reunion with classmates—the "Late-Forties 50th Reunion," October 25–27, 1996, on the River Campus!

Here's an unprecedented opportunity to rekindle memories of the war years and the first heady days of the postwar era—a time of saddle shoes and ankle socks ... of sugar rationing and soda fountains ... of the Andrews sisters and the Dorsey brothers ... when Joe Louis was heavyweight champion and Ted Williams was at his peak ... when Todd Union and Cutler Union were the centers of social activity and elm trees graced the quad. You'll enjoy a weekend of tribute, celebration, and academic exploration. This one-of-a-kind gathering will offer many chances to learn and reminisce about a dramatic and exciting period in history, both on campus and around the world. You'll also examine the sweeping changes that have taken place—in science, politics, and music, for example—over the past 50 years.

For more information on the Late-Forties 50th Reunion, or to help plan this memorable event, call Diane Jenkins or Mary Jo Ferr at the Alumni Association at (800) 333-0175 or (716) 273-5888.

A special note to all World War II veterans:

This 50th celebration will include a tribute to you and your fellow veterans. More details will come your way soon.

And if you're a V-12 alumni veteran: Please let us know who you are by calling the Alumni Association.

ATTENTION: CLASSES OF 1946–49

Come Back to the River Campus for Your Very Special 50th Reunion

If you're a member of the undergraduate class of '46, '47, '48, or '49, you are cordially invited to

you 50th reunion with classmates—the "Late-Forties 50th Reunion," October 25–27, 1996, on the River Campus!

Here's an unprecedented opportunity to rekindle memories of the war years and the first heady days of the postwar era—a time of saddle shoes and ankle socks ... of sugar rationing and soda fountains ... of the Andrews sisters and the Dorsey brothers ... when Joe Louis was heavyweight champion and Ted Williams was at his peak ... when Todd Union and Cutler Union were the centers of social activity and elm trees graced the quad. You'll enjoy a weekend of tribute, celebration, and academic exploration. This one-of-a-kind gathering will offer many chances to learn and reminisce about a dramatic and exciting period in history, both on campus and around the world. You'll also examine the sweeping changes that have taken place—in science, politics, and music, for example—over the past 50 years.

For more information on the Late-Forties 50th Reunion, or to help plan this memorable event, call Diane Jenkins or Mary Jo Ferr at the Alumni Association at (800) 333-0175 or (716) 273-5888.

A special note to all World War II veterans:

This 50th celebration will include a tribute to you and your fellow veterans. More details will come your way soon.

And if you're a V-12 alumni veteran: Please let us know who you are by calling the Alumni Association.
From
MARTHA EVERY '84S (MBA)
Associate Vice President, Alumni Relations and Development

Help Us Create an 'Alumni Community Service Program'

Many alumni in the Rochester region and beyond are not aware of just how much the University is involved with its local community. In hundreds of programs—both formal and ad hoc—University students, faculty, and staff are serving as volunteers throughout the local community every day. Here are just a few examples of some of the scores of volunteer programs either connected with or sponsored by the University.

• Alternatives for Battered Women: Once a week, students from the Hillel Foundation visit the local center to play with children while their mothers attend group sessions.
• Opera a la Carte: Students from the Opera Department at the Eastman School regularly present workshops to school children in preparation for an opera production at their school.
• Habitat for Humanity: As a community-service project for Wilson Day, University faculty, students, and staff help in building low-cost houses in the City of Rochester.

In discussions with alumni around the country, we have learned that many of you are interested in working on community-service projects like these in conjunction with your regional alumni clubs. Already, members of the Rochester clubs in Boston and New York City have rolled up their sleeves to give their time, energy, and talent to worthwhile community projects. This is a great opportunity for those who would like to become involved in University activities and serve as community volunteers—but don’t have the time to participate in two organizations.

At this point, the Alumni Association is recruiting members for the executive board of a formal Alumni Community Services Program. Initial plans are to start a program in Rochester, through the Meliora Club of Greater Rochester—and then to use this as a model for developing programs with other clubs nationwide.

If you’re interested in taking part in a volunteer program, or if you have any ideas to contribute as we make plans, please call Terry Gurnett ’77 at the Alumni Association at (800) 333-0175 or (716) 273-5792. Thanks, and we look forward to hearing from you!

INTRODUCING GIRLS TO SCIENCE CAREERS: In January at the University, Nefertiti Coleman ’96 (center) talked with two fifth graders from the Rochester City School District during a special program sponsored by the American Association of University Women—part of an ongoing AAUW effort called "Women Helping Girls Make Choices." The day-long event was designed to encourage girls’ interest in the sciences by introducing them to women in science careers. AAUW member Laura Dubin Seligman ’76 helped organize the event. Coleman is the Black Students Union president.

MORE ON ALUMNI SONS AND DAUGHTERS

In the last issue of Alumni Review, we published a list of “Alumni Legacies”—sons and daughters of alumni who are now freshmen at Rochester or who just transferred here. Here are a few corrections and additions to that list.

On the River Campus, D. Aaron Kullman ’98 is the son of Nancy Bekenstein Kullman ’70 and Brian Kullman ’69. At the Eastman School, Alexis Zingale ’98E is the daughter of Paul Zingale ’65. Also, Janice Detar is an undergraduate at SUNY Brockport, and her brother is James Detar ’70.

WANTED: NOMINEES FOR THE TRUSTEES’ COUNCIL

The Alumni Association is seeking nominees for the Trustees’ Council, the governing board of the Alumni Association. The best candidates are alumni who have demonstrated loyalty to the University, have achieved professional success, and want to strengthen their connections to the University. Council members act as advisors to the University and as representatives of the alumni body.

Please submit nominations with brief profiles to: Jerry Gardner ’58, ’65 (Mas), President, Alumni Association, Fairbank Alumni House, University of Rochester, Rochester, NY 14627-8993.
CATCHING UP WITH
DAVID, AMI, SUSI, EMILI, AND WENDI
RUBINOWITZ—
CLASSES OF '89, '90, '91, '94, AND '95,
RESPECTIVELY

Rochester has seen few families like the Rubinowitzes—
with five siblings out of seven who are Rochester alumni. (If
you're aware of any family that meets or breaks this record, by
all means fill us in!) As Wendi Rubinowitz jokes, "They should
name the wing of some building after us—or put up a monument
on the fraternity quad."

For those of you who remember them, here's a look at what
they're doing now.

David works for John Hancock in New York. He was a
psychology major and member of Delta Sigma Phi fraternity.

Ami just graduated from New York Medical School and is
an intern at Lenox Hill, aiming for a career in radiology. At
Rochester, she majored in political science and psychology
and earned a management certificate. A member of Kappa
Delta sorority, she was also a champion diver who captained
the women's swimming and diving team.

Emili, a Health and Society major and a member of the
lacrosse team at Rochester, currently works for MTV in
New York. Like Ami and Wendi, she belonged to Sigma Delta Tau.

Wendi, who graduates in May, is a nursing major and
served as vice president of her sorority. After graduation, she
hopes to get a job in New York in pediatric nursing.

LAST CALL
FOR REUNION '95
June 9–11 on the River Campus

This year's Reunion on the
River Campus features Joseph
Mack '55—who'll give a lively
and engaging talk to his fellow
alumni as the "Distinguished
Alumni Lecturer." Mack will
discuss the role of humor in ad
vertising in his talk, "From Prof
essor Schilling to Clara Peller" (the latter being a reference to
the star of the "Where's the beef?" ad for Wendy's Inter
ational).

Mack is former chairman and
CEO of Saatchi & Saatchi Ad
vertising, the country's second
largest advertising agency. Dur
ing his time with Saatchi &
Saatchi, he worked on accounts
for Procter & Gamble, General
Mills, Sara Lee, and Burger
King—as well as the memo
rable "Where's the beef?" cam
paign. He is currently president
of MT Development Company,
which creates upscale housing
properties on the New Jersey
shore. A member of the Uni
versity's Board of Trustees,
Mack credits Rochester with
giving him "an absolute appreci
ation for the power and
beauty of the English lan
guage."

In other Reunion news: If
you haven't yet received your
registration materials, please
call the Alumni Association
at (800) 333-0175 or (716) 273-5888. And, just in case you
haven't seen it yet, here's a
summary of the schedule for
Reunion weekend.

Friday, June 9
• Breakfast with the provost
• River Campus walking tour
• Faculty forums
• Reception for Greek alumni
• All-alumni processional and
dinner on the quad, including
Alumni Chorale performance
• "After Hours" celebrations
for classes of '45 through '90

Saturday, June 10
• Breakfast with the president
and "State of the University" address
• Seventh annual "Alumni Lecture of Distinction"
• All-alumni picnic lunch under
the tent on the quad
• River Campus walking tour
• Memorial Art Gallery tour
• Mt. Hope Cemetery historical
tour
• George Eastman House tour
• Rush Rhees Library tour
• Class dinners
• "After Hours" celebrations,
including a piano bar and a
party on the frat quad

Sunday, June 11
• George Eastman House tour
• Memorial Art Gallery tour
• All-alumni brunch and class
brunches
YOU'LL FIND A ROCHESTER CLUB IN THESE AREAS

If a club leader isn't listed—or if you'd like information on starting a club in your region—call the Alumni Association at (800) 333-0175 or (716) 273-5888.

CALIFORNIA
Los Angeles: Call the Alumni Association
San Diego: Call the Alumni Association
San Francisco: Call Jim Gebhardt '92 at (510) 930-7259

COLORADO
Denver: Call Jody Morrow Moore '89 at (303) 765-4382

CONNECTICUT
Fairfield County: Call Jane Todd Ross '85S (MBA) at (203) 656-0342 or Helen Calboun Jaeger '63 at (203) 655-1466

FLORIDA
Fort Myers/Naples: Call the Alumni Association

GEORGIA
Atlanta: Call Bill Miller '57 at (706) 579-1215

ILLINOIS
Chicago: Call the Alumni Association

MASSACHUSETTS
Boston: Call John Iovieno '90 at (617) 489-6233

NEW YORK
Albany: Call the Alumni Association
Buffalo: Call the Alumni Association
New York City: Call David Kelson '86 at (212) 628-9135
Rochester: Call the Alumni Association

PENNSYLVANIA
Philadelphia: Call John Doyle '81 at (609) 541-0325
Pittsburgh: Call Karen Rilke '93 at (412) 655-0669

WASHINGTON, D.C.
Metropolitan area and Baltimore: Call Gerry Smith '83 (Mas) at (410) 757-4941

INTRODUCING JIM GEBHARDT '92
Chair, Rochester Club of San Francisco

In a phone interview with Alumni Review, Jim Gebhardt reports that he just happens at the moment to be wearing University colors—a blue and gold striped tie.

"It's strictly coincidental," he says with a laugh, describing his business attire. Coincidence or not, Gebhardt is an avid promoter of his alma mater.

"As a recent graduate, I think it's a lot easier to give your time than your money," he says, explaining why he volunteers his time as a club leader.

"I feel as though I got something out of my education—so I'd like to give something back to the University."

Besides, the job is fun. "You meet a lot of great people from all walks of life. Once, when I was up in a little town called Jenner, on the way to Mendocino, I stopped at a roadside diner for breakfast on a Sunday morning—and the waitress was a Rochester graduate!"

Here's an introduction to a dedicated Rochester volunteer.

Home: Walnut Creek, Calif.
Vocation: Financial analyst
Avocations: Golf, cooking, traveling in the Bay Area

While at Rochester: Double major in economics and psychology, business manager and second tenor for the Yellowjackets, varsity golfer for two years.

What he misses about Rochester:
"The accessibility to friends, the fact that they were within a one- or two-mile radius. And generally I miss academia, the learning environment."

What he doesn't miss: "Tuition. The weather."

Words of wisdom to potential club leaders: "You're going to need some patience. It takes a lot more time to plan an event than anyone would realize. In planning events, try not to go for the obscure. Keep it simple."

FRANCES ZINICOLA '75 AND YELLOWJACKET IAN SANCHEZ '96 are pictured here at the Desmond Hotel in Albany, N.Y., after the Yellowjacket concert there.

ROCHESTER STRENGTHENS ITS OVERSEAS NETWORK
As More and More Alumni Live Outside the States

"I had a great experience at the Eastman School," writes Vivien Goh '89E from Jintan, Singapore. "Great pains were taken to see that international students adjusted to the lifestyle in the United States."

With more than 70,000 alumni, the University counts several thousand who are living overseas—a number that continues to grow as more and more students come to Rochester from outside the United States each year. Like Vivien Goh, these alumni enjoyed their Rochester experience and want to build stronger ties with the University and with their fellow alumni.

In response, the University has begun a formal outreach program to alumni living overseas. The first step was a letter and survey that went out last December to nearly 1,000 alumni living in China, Hong Kong, India, Indonesia, Japan, Malaysia, North Korea, Singapore, South Korea, Taiwan, and Thailand.

The University is also working to increase the number and scope of events it sponsors outside the United States. In February, for example, Hong Kong alumni attended a reception for alumni traveling with the University-sponsored "Oriental Express" tour.

If you're interested in taking part in alumni events or in helping to build international programs (for example, by hosting the University's student theatre group on an Asian tour), please call Maura McGinnity '87, director of international alumni relations and development, at (716) 275-8928. Her e-mail address is: mmcginnit@admin.rochester.edu

If you studied abroad and graduated before 1965... call us!

Before 1965, the University didn't keep records on those who studied abroad. Now, we're seeking to develop a complete list. Please help by calling Jackie Levine '80, '84 (Mas), associate director of the Center for Academic Support, at (716) 275-7532.
AT A RECEPTION WELCOMING VISITORS TO ROCHESTER FROM HAMAMATSU, JAPAN (left to right): Maura McGinnity '87, Eiichi Tohyama, Jim Mills, Edna Claunch '74W (PhD) (who hosted the event), Toshio Akiyama '71M (Res), and Nancy Huppert. McGinnity directs international relations and development for the University; Tohyama is chairman and international director of the J.B.A. Board of Members; Mills is special consultant to President Jackson for international relations and development; Akiyama advises the organization committee of the Hamamatsu International Wind Band; and Huppert is president of Rochester International Sister Cities.

HONORARY ALUMNA MARY MULLEN AND ROBERT GLOWACKY '84, '85 (Mas) joined other members of the Meliora Club of Boston at the Harvard Club last fall for a Yellowjacket concert. Mullen is the widow of George Mullen '41, longtime University trustee and benefactor. Glowacky is a former president of the Boston club.

IN TOKYO LAST FEBRUARY, these alumni and friends gathered for a dinner at the International House of Japan: (left to right) Hiroshi Tanooka '62M (PhD), Yoshiko Nakanishi, Shigeru Saito, Maura McGinnity '87, Mrs. Saito, and Shigefumi Okada '56M (PhD).

ALAN LEWIS '49, '50 (Mas), immediate past president of the Meliora Club of Rochester, received the first Tribute Award from the Brighton (N.Y.) Education Fund in honor of his lifelong devotion to education. Lewis (pictured here with his wife, Sarah Horwitz Lewis '51) served the Brighton School District from 1949 until his retirement in 1985 in a number of posts: as a biology teacher, guidance counselor, assistant principal, principal, acting superintendent, and director of pupil services. His contributions to education in his community and beyond are too numerous to mention (he was president of the Brighton Board of Education, for example, and taught Sunday School at Temple B'rith Kodesh for 37 years). "He is a man whose service cannot be measured, and the Brighton Education Fund is proud to honor him as the first recipient of its Tribute Award," says Jody Siegle, school board president.

IN NEW YORK, AT A LECTURE ON ANCIENT YODEFAT, Emanuel Goldberg '32, '35 (Mas), life trustee of the University (left), is pictured with Miriam and Yechiel Goldberg and Professor William Green. Last November, Green and Professor Mordechai Aviram of the Center for Judaic Studies presented a lecture for alumni and friends of the University in New York, detailing the treasures of the ancient Israeli city of Yodefat. Green, the Phillip S. Bernstein Professor of Judaic Studies, directs the center. Yechiel Goldberg is the grandson of Emanuel Goldberg.
COME DINE AT THE FACULTY CLUB
Take Advantage of Catering Services, Too

Did you know that, as a University graduate, you can enjoy a fine meal at the University's Faculty Club?
The club, located in the Frederick Douglass Building next to Rush Rhees Library on the River Campus, is open to all members of the University community—alumni, parents of students, students, and staff. The facility includes two restaurants, a Grill Room and formal dining area, both open for lunch from 11 a.m. to 2 p.m. Monday through Friday. The Grill Room and bar are also open Friday evenings from 4:30 to 8:30 p.m. (with an Early Bird discount of 15 percent on entrees ordered between 4:30 and 5:30 p.m.).
The menu offers a wide selection, including "Healthy Heart" entrees, and a large salad bar includes three hot entrees, three soups, and freshly baked bread.

As for parking: A Faculty Club alumni parking permit is available for $17 per year, allowing for restricted use of all University parking lots. Additional permits are $6.50. Key cards for parking in "gated" lots are also available with a $10 refundable deposit. Also, single-day parking passes can be purchased for $3.25, and metered parking is available along Wilson Boulevard near Elmwood Avenue.
The Faculty Club also offers catering services for events of 40 to 800 people at the University and throughout Monroe County. Club manager Tony Reale reports that his staff has catered events ranging from Bar Mitzvahs to weddings to memorial services.
For more information on the club and its services—or for reservations—call Reale at (716) 275-4211. For details on parking, call (716) 275-3983.

IN DECEMBER, KICKING OFF HIS NATIONWIDE "INAUGURAL TOUR," President Thomas Jackson visited Washington, D.C., and New York City. In New York, (top photo, left to right) Santo Borruso '94, Eric Moskowitz '92, Karyn Margolis '92, and Dwayne Samuels '93 were among 500 individuals who attended a gathering at Sotheby's. Among the more than 200 alumni, parents of students, and other friends Jackson met with in the nation's capital were Jocelyn Moore Watkins '87 (bottom photo, center) and Nyala Watkins. The inaugural tour, which ends in May, introduced Jackson to members of the University community in major cities across the country.
GREEK ORGANIZATIONS
AND THE UNIVERSITY
REAFFIRM THEIR TIES

Greek Alumni Help Create
a New 'Statement of Relationship'

Last fall, Greek alumni leaders and University officials signed a "Statement of Relationship" between the University and Greek organizations on the River Campus. The document delineates University support of Greek organizations as well as requirements for the organizations themselves—in an effort to make sure that fraternity and sorority "are here many, many years from now," says Marita Labedz-Poll, director of Greek affairs.

Richard Rasmussen '72, '79W (Mas) chaired an eight-member committee that created the document. Rasmussen is executive director of the University Athletic Association and alumni president for Psi Upsilon. Other committee members were Wayne Norton '41, Robert Williams '59, Director of Residential Life Logan Hazen, and Labedz-Poll, along with Megan Henry, Ardist Houde, and Ray Warwick, alumni of Delta Gamma, Alpha Phi, and Sigma Phi Epsilon, respectively.

From his perspective as vice president for Psi Upsilon national fraternity, Rasmussen says that the document is "on the cutting edge of university-Greek relationships, affirming a positive and very supportive relationship. It is unique among Greek systems across the country."

The process began when Hellenic Alumni Council President David Gosling '63 and Vice President and University Dean of Students Paul Burgett '66E, '76E (PhD) requested that a committee be formed to create the new document. Gosling says, "I'm very happy with it. We now understand that we have backing from the University and the University understands what our goals and obligations are. It really is a marriage between the two."

The 13-page document covers University authority, ownership, support, and involvement; Greek responsibilities and involvement; evaluation of Greek organizations; the Hellenic Alumni Council; expansion of the Greek system; and review and modification.

In addition to Gosling and Burgett, the student leaders and alumni advisors of 25 fraternities and sororities signed the agreement. Also signing were the presidents of the Interfraternity Council, the Panhellenic Association, and the Pan-Hellenic Council.

If you have questions on the Statement of Relationship or if you would like to receive a copy, call the Office of Greek Affairs at (716) 275-3167.

LOOKING FOR A JOB?
START NETWORKING

By Kellie Sheldon Hernandez '81, '86W (Mas)
and Ellen Bevan '91 (PhD)
Center for Work and Career Development

National studies show that most job openings aren't announced in classified ads, notices in trade journals, or internal postings. To tap into this "hidden" job market, you must develop extensive informal networks—that is, personal contacts. These people can help you find vacancies before they are listed publicly, and they can offer you a chance to practice "marketing" yourself and your skills.

1. Explore every opportunity for networking. Go to professional meetings, call your old college friends, get in touch with past employers or colleagues, and talk with your neighbors. Take the time to let people know that you are available and have something specific to contribute to an ongoing enterprise.

2. Leave your options open. Often, job hunters want to talk only with people working in the exact field they're interested in—although others may be able to help as well. Gather knowledge about different options. Ask for advice, information, and referrals. Don't call just to ask for a job!

3. Use your contacts to critique your resume and interviewing skills. All the networking in the world won't help if you can't sell yourself on paper or in person.

4. Get organized. It's a good idea to create databases with names, addresses, phone numbers, notes from conversations, and records on follow-ups. Help yourself by systematizing your search so that important leads and referrals don't get lost in the shuffle.

5. Follow up and thank those who have helped you along the way. Make sure to send a note after an interview—it will help people remember you and it leaves a good impression.

6. Persevere. Keep up the good work, even if your first attempts don't meet your expectations. You may need to re-evaluate and refine your approach.

The Center for Work and Career Development sponsors many programs to help alumni and current students in networking. A few examples:

• Through the Career Cooperative at the Hyman J. V. Goldberg Career Library, we maintain a database listing more than 1,200 alumni who are available to discuss career issues with fellow alumni and students and help them with their job searches. The Career Cooperative offers learning experiences that are the crux of networking! If you'd like to become a member—or use the service yourself—call (716) 275-2366. Our e-mail address is: khemandez@macmail.cc.rochester.edu

• Every October, we sponsor Rochester Works, our annual employer fair featuring more than 40 employers and 400 students. There, job hunters can research a variety of companies, inquire about summer or full-time employment, discuss internships, and practice their presentation skills.

• Every February, a Networking Workshop held in conjunction with the Office of Minority Student Affairs gives students a chance to learn and practice networking techniques with some two dozen prominent community members—more than half of whom are Rochester alumni.

If you'd like to know more about networking or if you have any questions on career development, please contact the center for Work and Career Development. Again, the number is (716) 275-2366. We'd like to hear from you!
was fashionable." John is a lawyer and Ann serves on boards and says, "I am forever raising $ for nonprofits." . . . William Ewald is retired and living in Webster, N.Y., with his wife, Elizabeth Lashe Ewald '44, '50 (Mas). The Ewalds have four sons.

'47 John Dinse (see '45) . . . Last fall, William Hart '51 M (MD) received the 1994 Founders Society Award, the highest honor presented by Rochester General Hospital, for his innovations in the care of Rochester's mentally ill.

'50 45TH REUNION, JUNE 9-11, 1995

Clark A. Barrett is an attorney living in San Mateo, Calif., with his wife, Patricia . . . In December the Review caught up with Robert Balme and learned that he had received a medical doctorate in 1952 from New York Medical, interned at Harvard General Hospital, worked in Korea as a physician in 1953, was a plastic surgeon at the Mayo Clinic, entered private practice in plastic and hand surgery in 1961, and is a retired colonel in the Army Reserves . . . The Institute of Physics in London, England, has established the Kenneth J. Button Medal and Prize in Far Infrared Physics to be awarded annually to the scientist who has contributed most to the understanding of the far infrared region of the electromagnetic spectrum. The award, which honors Kenneth J. Button '52 (Mas), includes a medal rendered with his likeness. He is the chairman of Infrared and Millimeter Waves in Florida . . . Irwin Frank '54 M (MD), senior director and medical director of Strong Memorial Hospital and senior associate dean for clinical affairs at the School of Medicine and Dentistry, has been appointed to the Board of Commissioners of the Joint Commission of Accreditation of Health Care Organizations. He is also professor of urology and health services at the school . . . Marion Levering Hubbard and her husband, Herbert, live in Barrington, Ill., where they are enjoying retirement.

'52 As a Citizen of the Year nominee in Tucson, Ariz., Jay Donovan was the subject of a feature in the Oro Valley News. The article detailed the volunteer work he does with cancer patients at a local hospital and with the Association for the Blind. In the article, Jay recalls how he enjoyed playing Dixieland jazz during his days at Rochester . . . Since retiring in 1987, Dan Riley has worked part time for a member of the New York State Assembly. He is secretary of the National LSM Association (World War II Navy Amphibious Forces) and editor and
publisher of its newsletter, *Alligator Alley*. Kathleen M. Diem Warren writes that she spent seven weeks last summer teaching English to middle school teachers at a college in Shijiazhuang, China. She is now back teaching in the nursing department of the College of Eastern Utah.

'55
40th Reunion, June 9-11, 1995
Lois Treadwell Miller '56N (see '56 Nursing). . . Karl E. Nelson writes that he recently joined the administrative staff of The Brooklyn Hospital Center in New York City. He is the site administrator of a satellite hospital, Caledonia Hospital. . .

Robert Stern '56E (Mas), '62E (PhD) is professor of music at the University of Massachusetts at Amherst.

'56
An organ concert by Mary Kate Fenwick opened the concert series at St. Matthew Lutheran Church in Hanover, Pa., in October. Fenwick has served on the executive boards of the Philadelphia and Southwest Jersey chapters of the American Guild of Organists and is past dean of the latter.

'57
Rick Zuegel is serving in retirement as a "Kodak Ambassador," helping children and adults to enjoy and understand more about photography. "Adult learning opportunities are on photo cruises to Alaska, the Caribbean, and the Mediterranean. Youth opportunities are through Project Shutterbug at the Roger Tory Peterson Institute for Naval History. For more information about Project Shutterbug, call (716) 665-BIRD, or photography cruises at (716) 621-9100," he writes. Zuegel is also on the board of directors of the North American Nature Photography Association and chairman of the Annual Forum Program.

'58
Class Correspondents
Valerie Evans Rathbone '58, '60 (Mas) and John Rathbone '58, '59
RD #2, Box 55
Hamilton, NY 13346
(315) 824-3049

Deadline for Class Notes
The deadline for submissions for this issue was February 6. News items received between that date and May 31 will appear in the Fall 1995 issue of Alumni Review.

Class ACTS

PROFESSOR OF THE YEAR AND OTHER HONORS

Seems that Rochester can lay claim to two "Professors of the Year," so designated by the Carnegie Foundation for the Advancement of Higher Education. In addition to Al Clark Jr., professor of mechanical engineering, who was named New York State Professor of the Year (see page 16), the foundation also honored David Mason '89 (PhD), declaring him Professor of the Year for the State of Minnesota. Associate professor of English at Moorhead State University and a widely published writer (poetry, fiction, criticism, and literary translation), Mason in 1989 won Rochester's top award for the outstanding Ph.D. candidate in English or American literature.

OF NOTE(S)
The New York Philharmonic has honored two Eastman School alumni, and two of its principal players, Judith LeClair '79E and Christopher Lamb '81E, by commissioning works for them in commemoration of its 150th anniversary. LeClair, principal bassoon, is performing the world premiere of "The Five Sacred Trees" by John Williams in April of this year. Lamb, principal percussionist, received rave reviews for his premier performance, in January, of Eastman School professor Joseph Schwantner's 150th anniversary commission, Concerto for Percussion and Orchestra. . . Meanwhile, conductor Mitch Miller '32E was honored by the Congress of Racial Equality for lifetime achievement. At a birthday tribute to Martin Luther King Jr., the award was presented by Miller's protégé Leslie Uggams. Uggams remembers that when she first appeared on his "Sing Along with Mitch" program in the '60s, some Southern stations refused to televise it because she was black. "Mitch was told either I go or the show goes," Uggams recalled. "He said, 'Either she stays or there's no show.' He loved that show, and he had been trying to sell it for so long that for him to turn around and do that was heroic."

TO YOUR HEALTH

Barry Hoffer '65M (PhD), '67M (MD) of the University of Colorado Health Sciences Center and a colleague from Stockholm's Karolinska Institute have found a way to stop or reverse Parkinson's disease in mice, reports the journal *Nature*—a breakthrough that could bring hope to more than a million American sufferers. Studies by the Colorado and Swedish research teams have shown that a chemical, GDNF, when injected into mouse brains, helped the mice triple their supply of a natural neurotransmitter that prevents the disorder. . .

Barbara DeBuono '76, '80M (MD)—whom Rochester Review wrote about a couple of years back when she was the state of Rhode Island's health director—is now the New York State health commissioner, appointed in January by Governor Pataki.

#### Class of 1911

**AUTOGRAPH**
L. Frank Baum, author of the *Wizard of Oz*, signs the dedication page of his new book, *The Magic City*.

**Reminiscences**
"I was a member of the first class of the University of Rochester and I am now seventy years old. I have enjoyed the privilege of being a member of this institution and hope to live to be 100." —Tesla Black, Class of 1899

**Angus Macdonald, MD**
"I was graduated from the University of Rochester in 1899. I have worked in the University of Rochester Hospitals and have been a member of the University faculty. I am now fifty years old and hope to live to be 100." —Angus Macdonald, MD

**Barbara DeBuono, MD**
"I was graduated from the University of Rochester in 1967. I have worked in the University of Rochester Hospitals and have been a member of the University faculty. I am now thirty years old and hope to live to be 100." —Barbara DeBuono, MD

**George Abbott, MD**
"I was graduated from the University of Rochester in 1930. In his memory, contributions may be sent to the George Abbott Scholarship Fund, Administration Building, University of Rochester, Rochester, NY 14627." —George Abbott

#### Farewell to Broadway Legend George Abbott, Class of 1911

Abbott at his 1988 Commencement

Receiving an honorary doctorate at the University's 1988 Commencement, George Abbott joked to the graduates, "If you want to be a success, if you want to be honored, to receive applause and standing ovations wherever you go, all you have to do is live to be 100."

Abbott, the Broadway director who may have been the greatest light on the Great White Way for nearly half a century, died on January 31 in Miami Beach, Fl. He was 107. At 8 p.m. the next day, the lights on the marquees of Broadway were dimmed for one minute to mark his passing.

For many years, Abbott had been the University's oldest alumnus, although his centennial status was the least of his achievements. On Broadway, his shows earned 40 Tony Awards between 1948 and 1962. Of those, he could claim five for himself—as writer or director or both. Among the award-winning productions were *Where's Charley*, *Call Me Madam*, *Wonderful Town*, *The Pajama Game*, *Damn Yankees*, *New Girl in Town*, *Fiorello!* , *Take Her, She's Mine*, and *A Funny Thing Happened on the Way to the Forum*. *Fiorello!* also won Abbott the 1960 Pulitzer Prize and the Drama Critics Circle Award.

Abbott's first wife was Ednah Levis '06, who died in 1930. In his memory, contributions may be sent to the George Abbott Scholarship Fund, Administration Building, University of Rochester, Rochester, NY 14627.
Here's the Winner of the Class of '60 Scholarship

Attending the University "has been the greatest experience of my life," writes Steven Harasym '96. "There is not a day that goes by when I do not realize how grateful I am to be here."

Harasym, a political science major from Buffalo, holds the Class of '60 Scholarship. An honor student and a residential advisor in Susan B. Anthony Halls, Harasym also receives the Harry Potter Scholarship. To help support his studies, he holds part-time jobs both on and off campus. Although his plans aren't firm yet, he is considering law school or graduate school in public policy after graduation.

RIVER CAMPUS, cont.
UNDERGRADUATE

Orren Van Orden writes from Ocala, Fla., that he served as master of ceremonies at his 40th high school reunion last summer. Orren wants us to let Kit Kerrigan know that he was up in Quebec and returned with a nice trophy black bear.

Jane and Dick Wiedenmeyer, empty nesters at last, have written that they traveled to China in January of 1994 to meet son Trevor in Beijing and "had a wonderful time" on their own private ten-day tour. In September, Dick and Jane traveled to Albuquerque, N.Mex., where daughter Laura married Dick Hanson in a spot at the foot of the Sandia Mountains. From the photos, it appears that the "uniform of the day" included sunglasses all around! Jane had a record year in real estate and enjoyed her dahlias, real estate and enjoyed her dahlias, and several fun gigs making music. Dick continues to find his work at Performance Advantage interesting, helping organizations improve the efficiency of one-on-one transactions.

Ellie and Dave Peters '66 (Mas) are enjoying the retired life. They have a winterized and enlarged family camp "on the shore of a lovely lake" in northern Vermont, performing a good portion of the work themselves. Daughters Sharon and Cindy have also moved to Vermont and are seeking master's degrees.

Dick DeBrine has retired from Western Allied Corporation and moved to Charlestown, N.H., where he and Joan are operating their bed and breakfast, Maple Hedge. Dick is seeking his M.B.A. from Plymouth State College and hoping for an opportunity to teach small business management.

Dick Vidal has reported upon "European Vacation III," in which he and Margaret traveled to Switzerland to meet their daughter Laura and new son-in-law Daniel and his family. They stayed at Lusanne on Lake Geneva, visited their new relatives in Moutier, and traveled to Zurich and Vienna. Margaret has been engrossed in teaching English as a second language and continuing her study of French. Dick continues to instruct in the field of software and systems engineering at Boston University.

"Have a good summer and keep us posted on your "doings."

'62 James Merkle was elected president and CEO of the newly formed Allied Digital Technologies Corp. in January. Allied Digital, listed on AMEX, manufactures optical discs and video cassettes.

'65 30TH REUNION, JUNE 9-11, 1995

Linda Lewis Canning Jaslow reports that she is director of guidance at Ridgefield (Conn.) High School. When she retires she plans to open a business with Deirdre Ling.

Sandra Dunfield Nashig, after completing an M.A. in applied linguistics at Georgetown University, moved to Berlin, where she married a former exchange student from her high school. They have lived near Basel, Switzerland, for the past 25 years. She and her husband, Tom, have two children, Diana, 20, and Daniel, 7. She taught English as a foreign language for years and since 1990 has been director of the language training program at Hoffman-LaRoche at their Basel headquarters.

Paul Schuler is a professor at Raritan Valley Community College in New Jersey. He and his wife, Doris, have two children, David, 16, and Christie, 12.... Navy Rear Admiral Dick West reports that in 1993 he was promoted to his current rank and assigned to the Pentagon. West is in charge of theater missile defense, working in the office of the Secretary of Defense.

'66 Lawrence Handelsman has been appointed vice president of medical affairs at Chelsea Community Hospital in Ann Arbor, Mich.... Juliana Rothschild writes that she is very proud of her two sons studying contemporary music at the University of Santa Fe, N.M.

'67 Edmund Rucinski's paintings were featured in a holiday exhibit at the Barnard-Bierman gallery in New York City. The show, "Angels, Icons, and Celestial Visions," featured Rucinski's works on wood panels and glass panels, as well as his drawings.

'68 David Pankenan, associate professor of modern foreign languages and literature at Lehigh University, was appointed department chair in July 1994.

'69 Gordon Presher is president and CEO of Ormec System Corp., a leader in the field of industrial motion controllers. Ormec was named to the 1989 Inc. 500 list of the nation's fastest growing private companies. Presher, winner of the 1994 Upstate New York Entrepreneur of the Year award sponsored by Inc., was the subject of a feature in Rochester Business Journal in October.

'70 25TH REUNION, JUNE 9-11, 1995

Harding Dies is currently working for a head-hunter firm. Sandy Pauker is a psychiatrist, psychoanalyst, and couples' therapist in New York City. Sandy and his wife, Mimi, co-authored The First Year of Marriage: What to Expect, What to Accept, and What You Can Change, published by Warner Books in 1987. They have two children, Sarah, 10, and Elizabeth, 7.... Andrew Steinberg is the executive director of Western Massachusetts Legal Services, which was awarded a federal grant to bring legal skills to bear on social ills. Thomas Williams was recently appointed se-
**DANDELION Days**

**Before Nylons and Ball-Point Pens**

*By Susanne Bogorad Dworkin '35*

From the 1936 *Crocus*, a photo of the Marslens of the Class of 1935 (left to right): Susanne Bogorad, Helen Nelly, Claire Meyer, Susan Glover, Monica Mason, Challice Ingelow, Ruth Sittenstaller.

In the fall of 1931, about 100 young women came to the Prince Street Campus, wide-eyed and scared. We were in the midst of a Depression and many of us had to cancel plans to go out of town for college, settling for commuting by streetcar. This was before the transition to buses, before nylon, dacron, and ball-point pens (remember the fountain pens that leaked in our purses?), before panthy hose and drip-dry clothes. Rolling your stockings was “in.” Coeds never wore slacks and jeans were yet to hit the market. We wore Peter Pan collars and thought deep cleavage was something the butcher did.

We came from our high schools with narrow interests, for the most part—Rudy Vallee, radio programs (this was, of course, before TV), boys, lots of movies, boys, learning to dance, boys, learning to dance. And now we were exposed to another world—courses that made us think, made us conscious of a larger world. . . .

We were taught by some real giants in their fields. Dexter Perkins, in spite of the squeaky voice, thrilled his classes with lectures that started and ended exactly on time and without a single note. Dr. French inspired many in science. Professor Slater—can there ever be another? Jim Magill encouraged interest in the game of politics for so many of us. Marian Anderson to sing in our hall because she was black, our class, under the leadership of Ruth Rosenberg and composer Richard Shulman has released his 10th album, *Ascension*, through Music. . . .

In retrospect, it was a good time. We had a great deal of faith that the world would get better. We believed in the dignity of man. At a time when the D.A.R. would not allow Marian Anderson to sing in their hall because she was black, our class, under the leadership of Ruth Rosenberg (Yalowich), founded the Liberal Center and brought together people of all backgrounds to the Class of 73, especially to my friends from Hillel. For the next year our address will be POB 3470, Kitzrin, Israel, phone number 972-696-1821. We would love to host you or anyone visiting the Golan Heights. . . . Keyboard artist and composer Richard Shulman has released his 10th album, *Ascension Harmonics: Sacred Attunements Through Music*. He is just back from St. Croix and is currently touring the southern United States . . . Jack L. Weinberg writes that he married Sharon Lee Saitdman Shamborg on April 24, 1994, and that he performed an English horn solo for the High Holiday Service of Kol Nidre.
RIVER CAMPUS, cont. UNDERGRADUATE

at his synagogue in Cherry Hill, N.J. Weinberg is section chief for the Motions and Appeals Unit of the Camden County (N.J.) Prosecutor’s Office.

'S 74 Scott Dubin is the father of twin two-year-old girls, Julia and Emily. . . . Roberta Kirsch Feldman is a partner in the general-practice law firm of Gray, Feldman, and Rosenbaum, with offices in Brighton, N.Y. . . . Michael Hertz ‘75 (MBA) has been promoted to associate professor of finance with tenure at the College of Business at Arizona State University. Michael and his wife, Karin, live with their daughters Abby, age 13, and Emma, age 10, in Santa Monica. Francisco Slaughter was elected to the Millbrae (Calif.) School Board in November 1993. "I’m married with two sons, and working for the California AFL-CIO as a legislative advocate," he writes. . . . Dennis Moskowitz (see ‘75) has been director at Science Ligand Pharmaceuticals in San Diego, Calif., since 1992, and is married with two daughters. . . . In November, Lee Samowitz won re-election to serve his fifth term as state representative in the 129th district in Connecticut. Samowitz lives in Bridgeport with his wife and two children.

'S 75 20TH REUNION, JUNE 9-11, 1995

Art Aramino is president of BuyNet, Inc. (see ‘74), December 1994, he accepted an offer in Gilbert, N.Y., remarried, and was promoted to LCDR in USNR." . . . Todd M. Brinberg reports that he is a partner in the general-practice law firm of Gray, Feldman, and Rosenbaum, with offices in Brighton, N.Y. . . . Michael Hertz ‘75 (MBA) has been promoted to associate professor of finance with tenure at the College of Business at Arizona State University. Michael and his wife, Karin, live with their daughters Abby, age 13, and Emma, age 10, in Santa Monica. Francisco Slaughter was elected to the Millbrae (Calif.) School Board in November 1993. "I’m married with two sons, and working for the California AFL-CIO as a legislative advocate," he writes. . . . Dennis Moskowitz (see ‘75) has been director at Science Ligand Pharmaceuticals in San Diego, Calif., since 1992, and is married with two daughters. . . . In November, Lee Samowitz won re-election to serve his fifth term as state representative in the 129th district in Connecticut. Samowitz lives in Bridgeport with his wife and two children.

'S 76 Barbara DeBuono (see ‘80 Medicine). . . . Robert Evangelisti is the president of the spring semester course entitled “Environmental Audits” at the University of Wisconsin-Extension. . . . Dawn Marie Hazelhurst has started her own practice as an attorney. . . . In April 1994, Diane Silberstein Killery adopted a daughter, Robin Tamara, born in Russia in 1993. Robin’s pediatrician is Linda Goldstein. Diane currently heads up the communications law practice at Morrison & Foerster in Washington, D.C. . . . Ricki Schwalzer has joined Catch & Snatch Holdings, USA, Inc., as staff attorney. . . . Navy Commander Mark Wisniewski was relieved of command with Patrol Squadron One Detachment in Barbers Point, Hawaii. His next tour of duty will be at the National War College in Washington, D.C. . . . Holly Zimmel (see ‘77 Nursing). . . . Ira Emanuel was named chairman of the 1995 "Walk for the Cure" for the Suffern (N.Y.) chapter of the Juvenile Diabetes Foundation. . . . Navy Lieutenant Commander Mark Wisniewski retired from active duty after 17 years of service and has received the Navy Commandant Medal. . . . Ashar Najmi and his wife, Anjum, had a baby daughter named Saba on September 28, 1994. Ashar Najmi and his wife, Anjum, had a baby daughter named Saba on September 28, 1994. . . . In her Reunion questionnaire, Wendy Caplan Doigan lists her "business title" as "Mom the Great." Doigan and her husband, Lloyd, have three children, Rebecca, 12, Brian, 10, and Nina, 6. . . . Steve Dvoretzky is a psychiatrist living in the suburb of Boca Raton, Fla., with his wife, Cyndy, and their children, Adam, 7, and Jenna, 3. . . . Gary E. Falkoff writes: "After medical school at Albany and residency at Yale, my wife, Paula, and I left the East Coast for San Diego and a fellowship at UCSD. After a few years in Colorado, we returned to California and now live in Salinas. I am the chairman of the diagnostic imaging department at Salinas Valley Memorial Hospital. Paula and I are thrilled to be living on the Monterey Peninsula, enjoying its beauty, including Carmel and Big Sur." . . . Last September, Michael Gagliardi retired as lieutenant commander from the Navy and is starting a second career in law enforcement. . . . Mark D. Kabak represented the U.S. Environmental Protection Agency at the Second Annual Federal Contracting Conference sponsored by Commercial Company. . . . Slaughter and held at Rochester Institute of Technology last October. . . . Rona Orenstein-Moskowitz writes that she is married to dentist David Moskowitz ‘74, and is working as a teacher/writer. Rona and David have two children, Rachel, 10, and Benjamin, 8. . . . Andrea Weiss married Marc Hirsch in July 1991. Amanda, their first child, was born on May 18, 1994.

'S 77 15th Reunion, June 9-11, 1995

Jeffrey Johnson announces the birth of his son, William Michael, on May 18, 1993. . . . Alexander Kutryp has moved from Switzerland to Kharkov in the Ukraine to become the director of finance and administration at a factory recently acquired by Morris Morris. . . . Benjamin Liske and his wife, Alana, are pleased to announce the birth of their fourth child, Elliot, on March 15, 1993. . . . Alfred Loonius married Stephanie Neuhaus in Covington, Ky., on October 15, 1994. . . . James Miller has joined the staff of Saratoga Springs Plastic Surgery as a cosmetic, plastic, and hand surgeon. . . . Lisa Wessman works as a writer and radio talk show producer specializing in health and healing. . . . Jeffrey B. Cohen has been named senior business director of new business for Nabisco. . . . Robert C. Cohen has been appointed chief of medicine for the Group Health Medical Centers in Rochester. . . . Rick Cooper provided the following news: "For those of you who haven’t been in the loop in the last 15 years or so, I (i) live in Greenwood Village, (ii) got divorced in 1992 (no kids, no house, no Volvo; she took the ice-ride trays), (iii) now live with a woman who may have been conceived during an original episode of "The Partridge Family," (iv) work as an attorney for Simon & Schuster, Inc., (v) play squash, and (vi) have traded my post-Rochester Nazi prepster preppy for a fine selection of black t-shirts and biker boots. Cheers." . . . Navy Lieutenant Commander John T. Finch left in December for a six-month overseas deployment with the guided missile cruiser USS Anzio. . . . John Guarascio, an environmental law specialist, became a partner in the law firm of Mendes and Mount in November 1993. . . . Bill Hermance writes: "My wife Sara, our two children, and I have returned to Denmark in a rural area of Northern Europe, with Mobil. I am now a staff geologist with Mobil E&P Technical Center in Dallas." . . . Dennis Kraus (see ‘85 Medicine). . . . William P. Mann writes that he has published a book, Educaimment Comes ALIVE! (see Books & Recordings, page 42), and adds that he is married to Patricia Jones ‘82 and they have a beautiful daughter, Jennifer Michelle, who was 4 in January. . . . Monica Mashner has a new baby girl. . . . Jill Mastel Rauch announces the birth of her son, Bradley, on July 20, 1994, a date which, she notes, is the 25th anniversary of the lunar landing.

'S 82 Donna Dapolito Fasanello and her husband, Vinco, announce the birth of their second child, Diana Christina. . . . Melissa Krasner Kerbel and her husband, Paul, announce the birth of their third son, Misha Elan, who joins Samuel and Judah. . . . Gretchen Olting was married to Lyle Webber on August 19, 1994. . . . Marcie Jacobs Pregulan writes that she is the "proud mother of three children," Alyssa, 6, Madeline, 3, and Jonah, 8 months. . . . Last July, Kathleen Shater married Steven Cali in Danville, N.Y. Kathleen is an English teacher at Charlotte Middle School, while Steven is a production assistant for WXXI-TV in Rochester. . . . Suzie Weaver, a research psychologist with the Veterans Administration and Brandeis University, announces the birth of her daughter, Camilla Weaver Uliaan, on October 3, 1994. Camilla joins three-year-old Chloe.

'S 83 Navy Lieutenant Michael Bourque has completed operations off the coast of Haiti on board the aircraft carrier USS America. . . . Lieutenant Colonel Douglas Duryea writes: "I've transferred to the 'Heartland of America' and
presently am on the staff of the U.S. Strategic Command, Offutt Air Force Base, in Omaha, as the SLBM Communications Systems Discipline Officer." ... Linda Warshal and her husband, Cris Pollack, are happy to announce the birth of their first child, Shoshana Rebecia, born January 13. Linda and Cris live in New York. ... William A. Johnson of Rochester named Jacqueline Turnipseld Whitefield '85 (Mas) to head the city's newly created Bureau of Human Services.

Andrew S. Gordon writes that his company, Gordon Analytic, grew by 40 percent last year and he earned the designation of chartered financial analyst. He and his wife, Christine, are buying a new home in Chelmsford, Mass. ... Cathi Hill married Pote Mehert '90 (MBA) in November 1993 with many classmates in attendance. Cathi writes that she has been hired at a Rochester law firm of Gray, Feldman, & Waters in downtown Rochester. She is working at Xerox as a marketing analyst and says "for my friends Julie, Cindy, & EE Go Bills!" ... Mark McGrath graduated from the University of North Carolina Law School. He is leaving the upstate New York firm of Bond, Schoeneck & King and moving with his wife, Christine, to North Carolina to join the Charlotte firm of Smith, Helms, Mullins & Moore ... Surjana Oey (see '87) ... Navy Lieutenant Richard Sweetman, who received the Navy Achievement Medal for superior performance of duty while serving as a training officer, is currently assigned to the Naval Reserve Center in Pensacola, Fla.

10TH REUNION, JUNE 9-11, 1995
Melinda Broikos has joined the Rochester law firm of Gray, Feldman, and Rosenbaum and is active in the Family Law Section of the Monroe County Bar Association. Volunteer Legal Services Project for Monroe County, and the Pittsford Small Business Association. ... Lauren Emerson (see '88) ... Jacqueline Hoffman writes: "I married Anthony Mottomo of Minnesota in June 1991 and proudly announce the birth of our son, Daniel Frank, on August 7, 1994. I am currently an ... work with adolescents at the Devereux Foundation in Phoenix, Arizona." ... William Jensen writes: "I married Pete Cepero on September 24, 1994. S. Gie Oey '87 was the maid of honor, and Joe Kirk Vartan married Ron Cathey, an airline pilot with Delta. For our honeymoon, we visited Paris and enjoyed a two-week cruise in the Mediterranean, touring the classical archeological sites in Italy, Greece, and Turkey. Due to my recent transfer by Exxon, we are now living in Houston, where I continue to work as a petroleum geologist." ... Swan Eng Oey was married to Stephanie Fagan on September 24, 1994. S. Gie Oey '87 was the best man, Linda Smith '89 was the maid of honor, and Joe Won Kim, Russ McDermott, and Joe Smith '91 were groomsmen. Readings and communiques were performed by Rich Slingerland and Jay Taylor, respectively. Other Rochester alumni in attendance were: Surjana Oey '84, Chris Olandhat, Eric Carlson, Mike Thomas '89, and Sheila Dwyer '94. The couple honeymooned in the Caribbean. I am currently working for Merck, and enrolled in a two-year executive MBA program at Suffolk University. We are still living in the Boston area and would enjoy having anyone in the area drop by." Swan Eng writes.

Eric Cooney and Dawn Davidson (see '88 Nursing). ... Meghan Daly married Evan Lippman in Atlanta, Ga., on May 29, 1994. Jennifer Siedman was the matron of honor and Eric Fill was a groomsman. "Other Rochester alumni in attendance were Susan Tellini, Tracey Gundermann Golini, Barbara Bliss Mahnke '86, and M.D. student Lauren Emery, whose fiancé Brett Merge and Evan, who live and work in Atlanta. ... Lori Kahn Diggory reports that Roger Wolkoff and his wife, Cathy, had a baby girl, Bethany Nicole, on January 15. ... Jane Greenslade (see '88 Nursing) ... Navy Lieutenant Carolyn Luce recently reported for duty in Yokosuka, Japan. ... Roger W. Ozmun completed his Ph.D. in clinical psychology at Temple University in December and is doing clinical work with adolescents at the Devereux Foundation. ... Aimee Maxwell Parenti (see '88). ... Jim Sauer (see '88 Nursing). ... Kirk Vartan has joined NBC Desktop Video in New York City as manager of technical services. Vartan is a certified network engineer. ... Alan and Shari Greenberg (see '88 Nursing).}

Alumni Review/Spring-Summer 1995

59
married Sarah Webb on July 24, 1994, at Rochester’s Interfaith Chapel. Michael is a third-year student at the University of Medicine, while Sarah is pursuing a master of fine arts degree at the Visual Studies Workshop. 


Faith Rothermel (see ’85). Linda Smith and Mike Thomas (see ’87).

'90 5TH REUNION, JUNE 9–11, 1995

Cecilia Bonaccio writes: “I graduated from Case Western Law School in 1993, and currently practice law in Cleveland, Ohio. I married Scott Clark, a graduate of General Motors Institute, on October 1, 1994.” Last fall, Demetrio Cozzari married Gretchen Clauss in Buffalo. He is living in the Playhouse GeVa Theatre, while Gretchen works at Strong Memorial Hospital.

Cesar DelTorrre (see ’92). Navy Lieutenant Garrett Farman has completed a six-month deployment to the Persian Gulf aboard the guided missile frigate USS Thach, which has returned to its homeport in Yokosuka, Japan.

Christopher Franzek reports that he is living in Philadelphia with Eileen Lynch ’91. Patricia Yuderka Frias-Colon is married to Robert Colon and has two children. Lidania and Nairobi Makeba. Frias-Colon is an assistant district attorney with the Brooklyn District Attorney’s Office. Thomas J. Fucillo is in law school in Queens, N.Y. He is in the labor and employment law class. “I have learned to ice skate and have been playing ice hockey. I hope to eventually get off SSI and be able to work. Best wishes to all in the class of 1990.” John Noble (see ’92). Robert Nolan is currently working on his Ph.D. in anatomy and cell biology and still playing rugby with the Syracuse Chargers.

In December, David Pascaul was promoted to junior technical analyst at PaineWebber. “I’m loving life in New York City,” he adds. Salvatore Albert Pavone is working as an assistant district attorney for Onondaga (N.Y.) County. He and his wife, Sherene Shadman-Valavi ’91, announce the birth of their son, Angelo A. Pavone, born in December 1994. (see ’92). In August 1994, Michael Sandler married Sarah Wood. Michael received his M.B.A. from the University of North Carolina, Chapel Hill, and Sarah received her J.D. in May of 1994. Sandler reports that a large group of Rochester alumni joined

in the wedding celebration: Chuck Battochio, Kevin Bennett, Stacie Bianco, Alex Bodnar, Julie Chang, Mary Ann Cole, Sumilie Cue, Maria Darro, Doug Foster, Karen Jaskolka ’91, 92 S (MBA), Lee Kaufman, Glen Manglapus ’92, Glenn Rappaport, and Rick Zimmerman. 

Marny Jolly Skinkd is teaching a sixth-grade class on the Flathead Indian Reservation in Poison, Montana. “I live within view of some truly amazing country—if anyone needs a break from urban life!” she writes.

Jeff Blum reports that classmate Tom Seatham was on the U.S. National Team at the 1994 World Rowing Championships in Indianapolis. “I’ve joined Fuccillo in law school in Queens, and married Gretchen Clauss ’94.”

Lori Lyman Brum is now a member of the Maryland bar and will spend one year working for the U.S. Immigration and Naturalization Service. Brian Buttars (see ’93). Tom Caplan (see ’92). Robert Caselli expects to receive her M.S.W. from Syracuse University in May and will marry Mark Dimino on August 12. Christine Ellison and Richard Colalucci announce “to all Rochester friends past and present” that their wedding date is set for June 15, 1996. Their daughter, Melinda, is married to Robert Rine and graduated from law school in May and will marry Mark Dimino 1996.

Having graduated from law school, Lori Lyman Brum is now a member of the Maryland bar and will spend one year working for the U.S. Immigration and Naturalization Service. Brian Buttars (see ’93). Tom Caplan (see ’92). Robert Caselli expects to receive her M.S.W. from Syracuse University in May and will marry Mark Dimino on August 12. Christine Ellison and Richard Colalucci announce “to all Rochester friends past and present” that their wedding date is set for June 15, 1996. Their daughter, Melinda, is married to Robert Rine and graduated from law school in May and will marry Mark Dimino 1996.


(see ’90). Sherene Shadman-Valavi (see ’91). Joe Smith (see ’87). Jennifer L. Sosa has joined Watt, Roof & Company as an associate. 


Class Correspondent Elizabeth Lawthey 110 Adams St. Apt. 1 Rochester, NY 14608 (716) 454-7772

Brian Bowes is engaged to marry Elizabeth Dugan in December 1995. Bowes is an ensign in the U.S. Naval Reserve, attending George-town University School of Medicine. Dugan, who recently completed the Basic Surface Warfare Officer’s Course with the Navy in Newport, R.I., expects to begin service to the Pacific fleet. Melissa N. Deutch and Mark Bonifacio are engaged to marry in July. Deutsch is a alumna of Teach for America and a first-grade teacher in New Jersey. Bonifacio is an accountant for Societe Generale. Megan Hanushech has been named assistant women’s soccer coach at Rochester Institute of Technology. An All-American midfielder while at the University, Hanushech recently returned from Europe, where she played two seasons for a German soccer team. In 1994 she was instrumental in helping her club win the German Cup. Marine 1st Lieutenant Amy R. Karam returned in December to her base in Norfolk, Va., from duty assisting in a humanitarian mission in Haiti. Glen Manglapus (see ’90). Navy Lt. j.g. Stephen Marcinkiewicz was promoted to his present rank while serving aboard the guided missile cruiser USS Bunker Hill, forward deployed to Yokosuka, Japan. Jamie Bees, a first-grade teacher in New Jersey, is currently enrolled at Massachusetts College of Pharmacy. 

Jivan Datta, and Bob Dorman (see ’92). Marine 2nd Lt. Jonathan F. Dunn served with a task force providing humanitarian aid in Haiti in December. Akiva Elias writes that he expects to finish his master’s in electrical and computer engineering at Carnegie Mellon in February and then to begin working for Morgan-Stanley in New York City. Heather Hands married Stephen Steinfield in Boston on November 5. Jennifer (Russell) Chomicki and Brett Goldfarb were honorable attendants. Also in the wedding party were Jenni Czekaj, Laurie Ferguson ’94, Gail Speckman, Steve Faraci ’93, Tom O’Connor ’95, and Brian Buttars ’91. 

Navy Ensign Deborah Hart has reported for duty aboard the multiple-purpose amphibious assault ship Essex, whose home port is San Diego, Calif. Michele A. Locurcio is currently studying in Rome, Italy, as part of her master’s degree in law at the University of Rome. She expects to receive her degree in May. Gail Speckman reports that she plans to marry her high school sweetheart next September. 

Darren Rosser Walp has joined Catalyst Direct in Rochester as an account coordinator, responsible for Eastman Kodak projects.

Marine 2nd Lt. Derek J. Bresek and Marine 2nd Lt. Brian G. McAvoy graduated in January from The Basic School, a program for newly commissioned Marine officers, recently returned. 

Sheila Dwyer (see ’87). Laurie Ferguson (see ’93). Dennis Tucker writes, “Please thank my classmates and other UR students for their support during my years as art editor of Ur.” Portland. I’d be remiss if I didn’t mention that I’m still drawing cartoons and illustrating in the Syracuse area.”

An article on baseball by Drew Washburn appeared in September in the Ulica (N.Y.) Observer Dispatch.
Piersall, a licensed marine engineer, is president and CEO of Amadis, Inc., an engineering management firm. He is also active in standards development activities with the International Organization for Standardization and is a recipient of the Gold Medal from the American Society of Naval Engineers.

'69 Bonnie Conrad Knutsen W (Mas) is director of communications for TrimMaster and serves on the board of trustees for the Lancaster (Pa.) Country Day School. Knutsen and her husband, Carl Knutsen '68S (Mas), are the parents of Christian and Elisa.

'70 In November, Bob Milligan S (MBA) defeated the 20-year incumbent to become the state comptroller in Florida. After 35 years in the Marine Corps, Milligan retired as a three-star general in 1991. He directed 62,000 troops during Operation Desert Storm and earlier commanded U.S. forces in the Caribbean. . . . Charles H. Piersall, Jr. S (MBA) has been elected to a three-year term on the board of directors of the American Society for Testing and Materials. Piersall, a licensed marine engineer, is president and CEO of Amadis, Inc., an engineering management firm. He is also active in standards development activities with the International Organization for Standardization and is a recipient of the Gold Medal from the American Society of Naval Engineers.

'71 Bruce Smith (Mas), '73 (PhD), professor of English at Georgetown University, is currently serving as president of the 500-member Shakespeare Association of America. (See also Books & Recordings, page 44.)

'73 Janet Balotta Zandy (Mas), assistant professor of language and literature at Rochester Institute of Technology who speaks frequently on class issues, has been a guest speaker at the University's Susan B. Anthony Institute for Women's Studies and on the radio show “WXXI 1370 Connection.” In January she presented a Gannett lecture on class consciousness at R.I.T. Zandy will keynote a working-class studies conference at Youngstown State University in June. (For news of her most recent book, see Books & Recordings, page 42.)

'74 Sung Neel (George) Chu (Mas), '78 (PhD) was named a 1994 Electrochemical Society Fellow for his research on the relationship between compound semiconductors and the performance and reliability of photonic devices.

'75 Carl E. Sassano S (MBA) has been named president of Bausch & Lomb’s contact lens division.

'77 Michael Hertzel S (MBA) (see ’74 undergraduate). . . . Louis L. Wilde (PhD) has been admitted to the Arthur Andersen partnership, specializing in environmental, anti-trust, and entertainment economics. Wilde and his wife, Cynthia Boyd, are the parents of Alexandra, S, and Maxwell, 3.

'78 Sue W. Ballman S (MBA), budget director of Johns Hopkins University, has been named co-chair of the Maryland Planning Board of the American Council on Education/ National Identification Program for the Advancement of Women in Higher Education Administration. . . .

'79 In January Bernice Weiss Skirball (Mas) received the Athena Award, given annually by the Rochester Chamber of Commerce to a woman who has been an outstanding contributor to her organization, has served as a community leader, and has promoted the professional development of women. Skirball is founder and head of Compeer Inc., a nonprofit organization that matches volunteers with children and adults receiving mental health treatment. . . . Joan Spada (Mas) has been promoted to associate professor of sociology and anthropology at Lehigh University.

'80 James Cronkright S (MBA) has been named vice president of sales and marketing at Erdie Perforating Co. He was previously president of the Gleason International Marketing Corp. . . .

'81 Roy Janson (Mas) is the executive director of American/International Racing (AIR), the newly formed sanctioning body for major supercross racing events. Janson had been the director of professional racing for the American Motorcycle Association.

'82 Sandra Mark W (EdD) has been named vice president of academic affairs at Keane College in New Jersey.

'83 John Brennan (PhD) has been appointed a director for Resource Associates Corp. Brennan’s company, The Cenporal Development, Inc., is a consulting company specializing in helping businesses achieve their goals by developing their people. . . . Peter Cleveland S (MBA) (see ’71 undergraduate).

'85 Jacqueline Turnipsseed Whitfield (Mas) (see ’83 undergraduate).

'86 Michael Henderson S (MBA) has been named vice president of business development for Rochester Telephone Corp.

'87 Stuart Wright (Mas) (see ’86 undergraduate).

'88 Timothy A. McLees S (MBA) and his wife, Joanne, join Timothy, 7, and Elizabeth, 4, in announcing the birth of Anna Kate on January 3. The family lives in Califon, N.J. Tim works nearby in the treasury department at the headquarters of Merck & Co., where he is director of cash operations and domestic investments in the Global Capital Markets Group.

'89 Linda Kay Karel (Mas) received her Ph.D. in English literature at the University in June 1994. . . . David Mason (PhD), ’86 (Mas), professor of English at Moorhead State University, has been named 1994 Minnesota Professor of the Year by the Carnegie Foundation for the Advancement of Teaching. Before joining Moorhead in 1989, Mason worked as a crab boat unload er in Alaska, a gardener in New York; a writer in Greece, and a screenwriter in Los Angeles. Mason is married to photographer Anne Lennox. . . . Richard Olshak S (MBA) has been named vice president of product planning for Rochester Telephone Corp.

'90 Pete Mohner S (MBA) (see ’84 undergraduate), . . . Rob Robbins (Mas) (see ’88 Nursing). . . . Last September, Lisa Stigner (Mas) married Michael Reeder ’93 (Mas) in South Bend, Ind. Both Lisa and Michael are currently pursuing doctoral degrees in chemistry at Rochester. David Thomas S (Mas) is a program manager at Hewlett-Packard in Sunnyvale, Calif. He is engaged to marry Amy Jo Walsh on May 26. . . . Norman Ungerer (Mas) writes that he has started a new environmental engineering position at
62

Philharmonic featured Eloise Guy ’52 at a tea at the Rock Island Public Library in Davenport, Iowa.

‘91 David S. Arvan S (MBA), M (Mas) married Frances C. Knight on May 28, 1994, in Rochester. Arvan is a market research analyst at Lederle Laboratories. . . . Keli Andrystiak Kaege W (Mas) is assistant director of alumni relations at Williams College. Kaege moved to Williamstown last summer with her husband, Tom. . . . Michele L. Porziale W (Mas) married Gary C. Hughes on July 23, 1994, in Canandaigua. Michele is a counselor for the West Irondequoit School District.

‘92 Karen Jaskolska S (MBA) (see ’90 undergraduate). . . . John Pilek S (MBA), ’88 (Mas) has been named vice president of marketing for Rochester Telephone Corp.

‘93 Wayne Dunham (Mas) is a visiting professor of economics at St. John Fisher College. . . . Matt Hanley writes: “Since September, I have been working as a legislative aide for the Michigan Treasury, and was previously working with the Michigan Department of Management and Budget.” . . . Jennifer Poe (Mas) and Christophe Faugere (Mas) have announced wedding plans for July 1995. . . . Michael Reeder (Mas) (see ’90 undergraduate). . . . Celeste Schantz W (Mas) married David J. Kovachi on October 22, 1994, in Rochester. She works for Chase Manhattan Bank in the telephone access division. . . . Julide Woodward (Mas) is a visiting professor of psychology at St. John Fisher College.

EASTMAN SCHOOL OF MUSIC

‘38 John Weinzeig (Mas) is the subject of a new biography by Elaine Keillor. John Weinzeig and His Music: The Radical Romantic of Canada was published by Scarecrow Press in 1994.

‘49 Last September, pianist Ronald Jesson (Mas) performed at an opening reception and Victorian tea at the Rock Island Public Library in Davenport, Iowa.

‘51 An article on the 50th anniversary of the Fort Wayne (Ind.) Philharmonic featured Eloise Guy ’52 (Mas), assistant principal violinist. Guy has been with the orchestra for 42 years.

‘52 In October, the Schenectady (N.Y.) Symphony Orchestra premiered a concerto for violin written by George Green ’53 (Mas). A former concertmaster for the orchestra, Green is a member of the first violin section. His wife, Gene Marie, is the orchestra’s principal oboist and their daughter, Katharyn, plays in the second violin section. A son, Michael, sometimes plays bassoon in the orchestra. A member of the Skidmore College music faculty, Green also performs in a baroque group with his wife and son.

‘56 Ronald Bishop, principal tuba with the Cleveland Orchestra, was the featured soloist when the orchestra performed John Williams’s Tuba Concerto in October. He has also been a featured performer in the orchestra’s Key Concerts and Musical Rainbow programs for families. In February 1994 Bishop was the guest artist in a “Salute to Percy Grainger” at the Cleveland Institute of Music, where he is a member of the faculty . . . . Robert Stern (Mas), ’62 (PhD) (see ’55 RC undergraduate).

‘57 Phyllis Rochow Tektonidis ’59 (Mas) has been named artist-in-residence at Greensboro (N.C.) College, where she teaches voice. Tektonidis also teaches at Duke.

‘59 In January, Merkin Concert Hall in New York City was the scene of a concert celebrating bass player Ron Carter. The concert featured 30 or so of his friends recognized as the most accomplished players in jazz. Carter was featured in the December Bass Player article comparing upright bass to electric bass. . . . In March 1994, Katherine Hoover received a grant and a subsidy for a recording when she was named a winner of the American Academy of Arts and Letters 1994 Composer Academy Awards.

‘61 Joyce Hansen Colotti (Mas) was honored by the Minnesota Music Teachers Association (MMTA) Centennial Heritage Commission as the only teacher in Honors Concert history to have both a Young Artist High School winner in piano and a winner in voice in the same year. She has been a clinician for contest material education classes plus an active adjudicator for MMTA in piano, voice, and theory. Last year she was certified for piano by the Music Teachers National Association.

‘65 Soprano Laura Dexter Mann ’72E (Mas) was featured in a recital at the Embassy of Mexico in April 1994 in a program commemorating the signing of the NAFTA agreement. Her new CD, The Joy of Christmas, was released in the 1994 holiday season. Mann is currently performing in schools in the Prince George County area under a grant from the Maryland Arts Council and also working under a separate grant to create a new program to teach music to young children. She was one of the featured artists on First Night Annapolis’s New Year’s Eve celebration. Her accompanist was Concorde jazz recording artist Stefan Scaggsian ’68.

‘67 Linda Maxey (Mas), concert marimbitist, is in her 13th year of touring for Columbia Artists’ Community Concert Series and is an artist on the Mid-America Arts Alliance Regional Touring Program. Last fall she released her new recording, “The Artistry of the Marimba” (see ’95 Recording, page 44). . . . Profiled last September by the Chicago Tribune, maestro Paul McRae is music director and conductor of the Lake Forest Symphony and Greensboro (N.C.) Symphony Orchestra. McRae has also been guest conductor of the Royal Philharmonic Orchestra, the London Symphony Orchestra, and the English Chamber Orchestra.

‘68 Nexus, the percussion ensemble co-founded by William Cahn, has released a new CD, Voces. The recorded features compositions by Cahn, who is principal percussionist with the Rochester Philharmonic Orchestra. . . . Vivien Goh ’69E writes from Singapore to correct a note in the Winter 1994-95 issue of the Review that listed her and Ruth Cahn as members of NEXUS. Our apologies for the error. The members of the internationally acclaimed percussion ensemble are Bob Becker ’71E (Mas), Bill Cahn, John Wyre ’83E, Robin Engelman, and Russell Hartenburg. . . . Anthony Pasquale presented solo clarinet recitals in New Brunswick, N.J., and in Riverhead, N.Y., during November. He is currently a faculty member at Rutgers University’s Mason Gross School of the Arts. . . . Stefan Scaggsian (see ’65).

‘69 David Levy ’72E (Mas), ’80E (PhD), teacher of music history and literature at Wake Forest (N.C.) University, has been named chairman of that university’s music department. As a violinist, Levy has performed with the Winston-Salem Symphony, the Syracuse Symphony, and the Wake Forest Orchestra.

‘70 New-composer music Don Freund (Mas), ’73E (DMA) was featured in a concert at the University of Alabama School of Music. Freund also participated in a series of residencies, titled “Through the Eyes of the Composer,” at the school. He has received two grants from the National Endowment for the Arts and several commissions, including one from the Tennessee Arts Commission.

‘73 Ted Moore (see ’74).

‘74 George Damp (DMA), associate professor of music at Lawrence (Wis.) University, was featured in a newspaper article on the installation of the university’s 660,000 tracker organ. . . . Phil Markowitz co-produced, recorded, and toured with The Dave Lieberman Group, appearing in Istanbul, Israel, Kyoto, and Vienna. Spring 1995 releases include a new recording with Ted Moore’s (’73) Brazilian Project. Markowitz, who received a NEA performance grant in 1994 for an April 13, 1995, trio performance at Greenwich House in New York City, recently recorded his fourth disc as a leader, In the Woods. . . . Margaret McClain (Mas) performed last summer in the St. Andrew’s Concert Series in Providence, R.I.

‘75 Andrea Kapell Leevey writes: “I am acting as interim department head for the 1994 academic year at the University of Northwestern Louisiana. In addition, I am doing a lot of playing with the Acadia Symphony and Chamber Ensembles.” . . . Classical marimbitist Leigh Howard Stevens presented master classes and a concert at the Flint (Mich.) Cultural Center in October.

‘76 Deborah Chodacki was featured clarinetist in a recital at the University of Michigan School of Music in September. A teacher at the school, Chodacki has performed with the Spoleto Festival, Monterey Summer Music, the Colorado Philharmonic, the American Chamber Symphony, and the Grand Rapids Symphony. . . . Toni Lipton, second bassoonist in the Metropolitan Opera orchestra, was the subject of a featured article in The New York Times in October. Lipton, who suffers from ligament strains in her hands, is studying occupational therapy at New York University. She hopes to play full time in the orchestra while conducting private practice in hand therapy. Married to Scott Temple, who plays the French horn at the City Opera, Lipton has been playing at
**Following the Stellar Path of Maria Schneider '85E (Mas)**

*George Kosel '51M (Mas)* writes to us from Park Ridge, N.J., with more news about his friend and fellow jazz artist Maria Schneider '85E (Mas).

"Maria and her jazz orchestra, Visiones, recently celebrated their first anniversary, having performed every Monday night for more than a year. In New York City, this is an almost unheard of accomplishment. . . ."

"Another triumph took place on December 1, 1995, at Carnegie Hall. A program was presented on women in jazz and featured the late Mary Lou Williams, Melba Liston (68 years old), Toshiko Akiyoshi (64), Carla Bley (56) and Maria (34). This is damn good company. Both Toshiko and Maria conducted the Carnegie Hall Jazz Band (headed by Jon Faddis), and Maria wrote a composition for the occasion, entitled 'El Viento' ('The Wind'). It was excellent."

Kosel adds that probably the most important recent event in Schneider's career is her new CD, "Evanescence," for which she received a Grammy nomination.

The Met for 15 years. . . . Joan Wright is principal oboe for the Fort Wayne Philharmonic in Indiana.

"77 Frederick Hohman '79E (Mas), '90E (PhD), an internationally acclaimed concert organist, performed at the Cathedral of the Immaculate Conception in Portland, Maine, in August 1994. Hohman was hailed by critics for his "The Diapason" called a "Renaissance man" in an article featuring the concert violist, cellist, and jazz instructor at the University of Alabama."

"84 The Baltimore Sun called Clay Purdy "a Renaissance man" in an article featuring the concert violist, cellist, and jazz instructor at the University of Alabama."

"85 Jeff Beal and Joan Sapiro Beal '84RC are happy to announce the birth of their first child, Henry Forrest Beal, born January 8, 1995, in Glendale, Calif. . . . Caroline Park (Mas) is in her sixth season as the principal oboist with the Omaha Symphony Chamber Orchestra. . . . Michael Ross (PhD), associate professor of composition and coordinator of composition and theory programs at Vanderbilt University, was the subject of a feature article in *Vanderbilt Magazine*. Ross, who has received nine ASCAP awards, is working on an opera, *The Mayor of Casterbridge*, to be performed under the auspices of Nashville Opera. . . . Stephanie Sant'Ambrogio (Mas) has been named concertmaster of the San Antonio (Tex.) Symphony. In 1994, Sant'Ambrogio toured Italy in a string quartet collaboration with Mikhail Baryshnikov's White Oak Project. . . . Adrian Walker is the new concertmaster for the Southeast Missouri State University Orchestra. Walker has played with the St. Louis Symphony since 1985 and teaches viola and violin at Southeast Missouri State University. Walker was asked to perform at the St. Louis Symphony Community Music School. In September, Walker was the featured soloist with the Mississippi Symphony in his hometown of Jackson."

"87 Thomas Wolfe (Mas) is now a jazz instructor at the University of Alabama."

"88 Compositions by Lee Gannon were performed at Ball State University in Indiana in October and at the New Paltz (NY) Methodist Church in November. Gannon's orchestra commission for the Nashville Symphony, entitled *Peste Noire*, was performed by the symphony on January 20-21. Another composition, *Triad-O-Rama*, was featured in fall concerts at the University of the South (Sewanee, Tenn.), Berry College (Mt. Berry, Ga.), Macalester College (St. Paul, Minn.), and at the Lesbian and Gay Community Services Center in Manhattan. Gannon's *Mediation on *Peste Noire* was featured in a concert at Middle College Church in New York City in December as part of a benefit for the United AIDS Relief Fund."

"89 Trumpet player Keith Benjamin (DMA) and the Los Angeles Times. Benjamin participated along with 13 other outstanding pianists in the Santa Barbara Symphony/Esperson Foundation Young Artists' 1994 Competition. Harding is working on a master's degree at Indiana University in Bloomington. . . . Rochester Philharmonic principal trumpeter Paul Merkelo was featured in the Philharmonic series titled "Vive la France" in December. . . . David (DMA), Janet, and Phillip Ying (Mas) (see '91)."

"90 Soprano Rebecca Karpoff (Mas) was the featured soloist in the Robert Kapilow '77E (Mas) program "What Makes It Great?" at the Eastman Theatre in November. . . . Brant Austin Taylor (see '95)."

"92 Christopher Harding participated along with 13 other outstanding pianists in the Santa Barbara Symphony/Esperson Foundation Young Artists' 1994 Competition. Harding is working on a master's degree at Indiana University in Bloomington. . . . Rochester Philharmonic principal trumpeter Paul Merkelo was featured in the Philharmonic series titled "Vive la France" in December. . . . David (DMA), Janet, and Phillip Ying (Mas) (see '91).

"93 The Everest Quartet performed in the Village Bach Festival in Cass City, Wis., in November. The quartet is comprised of Jeanne Preucil Rose (Mas), Stephen Rose (Mas), Joan DerHovsepian '91E (Mas), and Brant Austin Taylor '93E. Also in November they premiered Paul Schoenfield's "Tales from Chelm" with the Midland-Odessa Symphony, where they are all principal players. Jeanne Rose was the subject of a feature article in the Saginaw (Mich.) News, which noted that the 25-year-old violinist has been going to the Village Bach Festival since she was 10. . . . Dennis B. Taylor (Mas) is an accompanist for the Soldiers' Chorus of the U.S. Army Field Band in Washington, D.C. He is also pianist for the Concert Band and the Chamber Music Recital Series and accompanies the Vocal Arts Ensemble."

"94 The Everest Quartet performed in the Village Bach Festival in Cass City, Wis., in November. The quartet is comprised of Jeanne Preucil Rose (Mas), Stephen Rose (Mas), Joan DerHovsepian '91E (Mas), and Brant Austin Taylor '93E. Also in November they premiered Paul Schoenfield's "Tales from Chelm" with the Midland-Odessa Symphony, where they are all principal players. Jeanne Rose was the subject of a feature article in the Saginaw (Mich.) News, which noted that the 25-year-old violinist has been going to the Village Bach Festival since she was 10. . . . Dennis B. Taylor (Mas) is an accompanist for the Soldiers' Chorus of the U.S. Army Field Band in Washington, D.C. He is also pianist for the Concert Band and the Chamber Music Recital Series and accompanies the Vocal Arts Ensemble."
SCHOOL OF MEDICINE AND DENTISTRY

'51 William Hart (MD) (see '47 RC undergraduate). ... Now retired from his job as a research chemist, George Kosel (Mas) performs in the New York City region as a jazz artist. "Wherever the gig is, I'll go," he says.

'54 Irwin Frank (MD) (see '50 RC undergraduate).

'55 Erling Johansen (PhD), dean of Tufts University School of Dental Medicine, has been named a Distinguished Professor there.

'60 William A. Peck (MD) is executive vice chancellor for medical affairs and dean of the Washington University School of Medicine. He and his wife, Patricia, have six children.

'63 After leaving the University in 1960, Bob Patton (MD), '69M (Flw) spent two years with the Public Health Service before leaving for Liberia to start a department of internal medicine there. In 1978, he returned to the United States to work in a group practice with Christian physicians in Michigan. Meanwhile, two of his children became missionaries and in 1986 he joined his daughter in the jungles of Surinam, where he taught in the medical school. Over the last two years he has curtailed his medical work and concentrated on translating the Bible into the local language and on starting a Bible institute. Bob plans to stay in Surinam as long as his health permits, "perhaps another 10 to 20 years."

'64 Joseph Scibetta (MD), '71M (Res) married Deborah Cuiociti-Rogers on October 1, 1994, in Rochester.

'65 David Clark (MD) is currently clinical professor of medicine (cardiology) at Stanford University School of Medicine, co-director of the Cardiovascular Interventional Training Program, and president of the international Society for Cardiac Angiography and Interventions, which has a thousand-plus members.

'70 J. Franklin Richeson (MD), '72M (Res), '76M (Res), associate professor of cardiology at the School of Medicine and Dentistry, has been appointed associate dean for student affairs. ... Ollie Jane Zagrinski Sahler (MD) has been named the new director of the Department of Education at the American Academy of Pediatrics in Elk Grove Village, Ill. Prior to joining the academy, Sahler was a professor in the School of Medicine and Dentistry at Rochester.

'72 Bernard R. Gifford (PhD), '68M (Mas), is founder, president, and chief executive officer of Academic Systems Corp. in Mountain View, Calif. The company develops software to be used by under-prepared college students to improve their skills.

'78 Holly Atkinson (MD), '79M (Res) presented a lecture on "Women and Fatigue" at the University of Tennessee Medical Center in Knoxville in October. Since 1984, Atkinson has co-hosted the PBS health show "Bodywatch." ... Fred G. Bromberg (MD) is in a primary care practice with Paul Zukoff in New Providence, N.J. Bromberg and Zukoff recently entered into a partnership with Overlook Hospital in Summit, N.J.

'79 Mary Lou Meyers (Res), associate professor of psychiatry at the School of Medicine and Dentistry, has been appointed associate dean for admissions. ... Carl Patow (MD), associate professor of otolaryngology at Johns Hopkins University School of Medicine, has been named to the Malcolm Baldrige Quality Award Board of Examiners. He serves as an evaluator for the newly created Health Care Pilot Evaluation Team.

'80 New York Governor George Pataki named Barbara Ann DeBuono (MD) the state's health commissioner in December. DeBuono had been Rhode Island's health director.

'81 Buddhi Shrestha (PhD), '70M (Mas), '78 (Flw) has been appointed director of the Community School Dental Health Program and associate professor in the Department of Community Dentistry at the Eastman Dental Center in Rochester. Shrestha is an attending pediatric dentist at Geneseo Hospital, a consultant to the ABC Head Start Program, and a representative on the Northeast Neighborhood Alliance Council and on the Monroe County School Health Advisory Committee.

'83 Richard Schneider (Res), a member of the Internists of Central Pennsylvania in Lemoyne, Penn., achieved board certification in geriatric medicine in April 1994.

'84 Dennis Michalak (Res) has been named chief of the Hamot Medical Center Division of Cardiovascular and Thoracic Surgery. He is an associate at the D'Angelo Clinic, specializing in cardiac, thoracic, and vascular surgery.

'85 Dennis Kraus (MD) and his wife, Daryl, announce the birth of their third child, Collin Dakota, on November 3, 1994. Collin joins twins Cameron and Devon.

'86 Steven Roberts (MD) has finished an angioplasty fellowship in Philadelphia and joined the Heart Center of Northern Virginia in Alexandria.

'87 Ted Behar (MD) has joined the staff of Baptist Hospital's Institute for Aesthetic and Reconstructive Surgery in Nashville, Tenn., as an associate member.

'88 Jen Teahan (Mas) (see '86 undergraduate).

'89 Jane Salamone (MD) married Michael Holodnick on September 10, 1994, in Rochester.

'90 Theresa Datz Westhay (Mas) is a visiting professor of biology at St. John Fisher College, where she teaches microbiology and molecular genetics.

'91 Erik Daly (MD) (see '86 undergraduate). ... Michael Trombley (MD) has joined Mount Pleasant Family Physicians, P.A. and the medical staff of Cabarrus Memorial Hospital.

'93 Stephen P. Strasser (MD) married Susan G. Emerson on June 4, 1994, in Granby, Conn. He is an internal medicine and pediatrics resident at Baystate Medical Center in Massachusetts.

SCHOOL OF NURSING

'56 Lois Treadwell Miller '55 writes that she has retired and is in the process of moving with her husband, William, to Florida. The Millers plan to spend summers on Manasota Lake in the Finger Lakes region.

'73 Susan J. Griffey Brechin and her husband, Frank Brechin, are still with CARE. They have moved to Tbilisi (Republic of Georgia), where Frank is finishing his third year with CIS-CARE. Their son, Chandra, graduated in June from Kalamazoo College. Susan writes, "I have continued to consult on various maternal-child health and family planning projects for the past year, working in old and new countries (for me); old being Turkey and Bangladesh, where I have lived and worked before, and new being Zimbabwe and Mongolia."

'77 Judy A. Zimmet '77 has been selected by the American Nurses Credentialing Center as an item writer for the Nursing Informatics certification exam, which is being given for the first time in 1995. She has also qualified as a certified network administrator and certified network engineer on the NetWare 3.1X platform.

'88 Jackie Shapiro '90 RC (Mas) married Rob Robbins '89 RC (Mas) on October 19, 1994. Alumni in attendance were Dawn Davidson '88 RC, Cory Kieren, Jane Greenslake '88 RC, Susan Brockman Zaner, Alan and Shari Greenberg Wladis '88 RC, Eric Cooney '88RC, and Jim Sauer '88RC. Jackie writes "It was great to see everyone. Let's get together again soon!"

'90 Teresa Moore reports that she married Ken Mulligan, a policy analyst for the Free Congress Foundation (a think tank), in May 1994. She is currently working on a coronary care unit at George Washington University Hospital.
Helen Wood Hall Campaign Progresses

In the last issue of Alumni Review, we reported on the fundraising campaign for the $1.9 million renovation of Helen Wood Hall.

Since then, alumni, faculty, and friends of the School of Nursing have responded enthusiastically—and the gifts continue to come in! A “kick-off” gift of $25,000 came from Kathleen King ’76 (mas), ’84N (PhD), ’86N (Flw) and her husband, John Laing ’76 (Flw). The gift supports the creation of the Dr. Jean E. Johnson Research Library/Conference Room in the third-floor research wing of the hall.

Many naming opportunities like this exist for those who contribute $10,000 or more. Special plaques will recognize donors who fund offices and equipment, while a “donor recognition board” will bear the names of all who give to the general fund. For details on naming a classroom or conference room or purchasing equipment or furniture, please call the School of Nursing Development Office at (716) 275-7060.

Dr. Kathleen King (left) and Dr. John Laing (center) have provided a generous gift toward the creation of the Dr. Jean E. Johnson Research Library/Conference Room at Helen Wood Hall. Dr. Johnson appears at right.

IN MEMORIAM

Doris J. Lamoree ’20 on November 18, 1994.
Beatrice Ballinger ’24, ’45W (Mas) on November 11, 1994.
Catharine Fleming Palmer ’27 on October 6, 1994.
Geraldine Carrol Cunningham ’28 on October 12, 1994.
Oliver H. Hutchinson ’29 on November 27, 1994.
Avery D. Pratt ’33M (PhD) on October 13, 1994.
Marian K. Carr ’34, ’35 (Mas) on November 22, 1994.
Everett J. Mann ’34 on August 22, 1994.
Blondel H. Carleton ’35M (PhD) on August 18, 1992.
Julia Moran Coyne ’35 (Mas) on November 10, 1994.
Eugenia Sproat Gutekunst ’36, ’49 (Mas) on November 28, 1994.
Arnold N. Vick ’37 on November 2, 1994.
Phil M. Chamberlain ’38 on October 11, 1994.
Marvin L. Jacobstein ’38 on October 19, 1994.
Carl E. Adams ’40M (MD) on September 7, 1994.
Charles H. Miller ’45 on December 22, 1994.
Martha Davala Morris ’45 on September 15, 1994.
Henry G. Senko ’45 on November 26, 1994.
Earl R. George ’46E, ’47E (Mas), ’59E (PhD) on September 15, 1994.
Albert M. Gregory ’47E (Mas) on November 1, 1993.
Frances Galvin Miles ’47 on October 12, 1994.
Bonnie Thomas Slepka ’47 (Mas) on October 11, 1994.


Alumni Association activities

Please contact me about the following activities:
☐ Planning my upcoming reunion in 1996
☐ Joining the Volunteer Admissions Network (to help recruit prospective undergraduates)
☐ Offering students and alumni advice on my profession through the Career Cooperative
☐ Participating in a Rochester Club
☐ Providing internships for students through the Reach program

Mail to: Rochester Review, 147 Administration Building, University of Rochester, Rochester, NY 14627-0033. Fax: (716) 275-0359.
Helen Matthews '49E (PhD) on December 30, 1993.
Marvin J. Renner '50 on November 2, 1994.
H. Sol Cersovsky '51M (MD) on April 16, 1994.
Robert A. Sievert '51 on November 8, 1994.
Barbara Byrne Vair '51 on October 23, 1994.
Marjorie Snell Bartwell '52 on November 30, 1994.
Frank O. Beuckmann '53 on November 10, 1994.
Louis Hawes, Jr. '53 on November 1, 1993.
Kenneth A. Wendrich '53E, '56E (Mas) on November 9, 1994.
Helen Mcinerney Meinhardt '56 (Mas) on October 22, 1994.
Edward T. Wong '56 (PhD) on December 26, 1993.
Thomas C. Yalanis '56E, '58E (Mas).
John M. O'Connell '57 (Mas) on October 29, 1994.
Owen F. Sprague '60W (Mas) on November 3, 1994.
John W. Woodworth '60 on October 6, 1994.
James R. Verwey '63 (Mas) on November 21, 1994.
Malcolm Drimmer '65 (PhD) on June 17, 1992.
Robert J. Ingersoll '65, '73E (Mas) on October 30, 1994.
Robert A. Lytle, Jr. '68S (Mas) on September 10, 1994.
Susan Sutter Smith '72 (PhD) on November 17, 1994.
Gary K. Conrow '81S (Mas) on October 29, 1994.
Matthew L. Taradash '85 on September 11, 1994.
Timothy J. Bennett '87 (Mas) on November 16, 1994.

FACULTY/Administration

George Ford, an internationally known Dickens scholar who taught at the University for 26 years, on December 6 in Rochester. Ford was the Joseph H. Gilmore Professor of English from 1967 to 1984. He was widely respected as an authority on Victorian literature, particularly Dickens. Ford also was an original editor of The Norton Anthology of English Literature, an influential textbook for which he edited the Victorian section in six editions. According to M. H. Abrams, the anthology's general editor and Professor Emeritus of English at Cornell, "It is fair to say that his influence on what people know and think about English literature of the Victorian period is felt all over the world. The anthology is used wherever English literature is taught, and it has practically no rivals." Ford received many honors for his work, including the Wilbur Cross Medal from Yale, where he earned his Ph.D. in 1942.

Robert Fullagar, who oversaw the creation of the University's elementary education program in the early 1950s, on January 10 in Chapel Hill, N. C. She began teaching at Rochester in 1952 on the Prince Street Campus, specializing in the teaching of reading. When the University merged its colleges for education in what is now the College of Education and Human Development, she resigned her tenured position because her husband, William Fullagar, had accepted an appointment as founding dean of the College of Education and she believed that to stay might pose a conflict of professional ethics. She then joined the faculty at SUNY Brockport, where she taught until she retired in 1976.

John J. Montean, professor emeritus of education, on August 25, 1994, in Scottsville, N.Y. He taught science education at Rochester in 1952 on the Prince Street Campus, specializing in the teaching of reading. When the University merged its colleges for education in what is now the College of Education and Human Development, she resigned her tenured position because her husband, William Fullagar, had accepted an appointment as founding dean of the College of Education and she believed that to stay might pose a conflict of professional ethics. She then joined the faculty at SUNY Brockport, where she taught until she retired in 1976.

Robert Fullagar, who oversaw the creation of the University's elementary education program in the early 1950s, on January 10 in Chapel Hill, N. C. She began teaching at Rochester in 1952 on the Prince Street Campus, specializing in the teaching of reading. When the University merged its colleges for education in what is now the College of Education and Human Development, she resigned her tenured position because her husband, William Fullagar, had accepted an appointment as founding dean of the College of Education and she believed that to stay might pose a conflict of professional ethics. She then joined the faculty at SUNY Brockport, where she taught until she retired in 1976.

John J. Montean, professor emeritus of education, on August 25, 1994, in Scottsville, N.Y. He taught science education at Rochester in 1952 on the Prince Street Campus, specializing in the teaching of reading. When the University merged its colleges for education in what is now the College of Education and Human Development, she resigned her tenured position because her husband, William Fullagar, had accepted an appointment as founding dean of the College of Education and she believed that to stay might pose a conflict of professional ethics. She then joined the faculty at SUNY Brockport, where she taught until she retired in 1976.

It will go a lot further than you think.

As always, we are attempting to bring you a livelier, more readable, better alumni magazine.

Even a modest gift—say $10 or $15 from our loyal readers—will go a long way toward helping us reach that goal.

Support your favorite university magazine.
Send money. And accept our heartfelt thanks.

Voluntary subscription to Rochester Review
Enclosed is my tax-deductible voluntary subscription.
Name ____________________________
Address ____________________________________________________________

☐ Alumnus/a ☐ Class ________ ☐ Parent ☐ Friend

Amount enclosed $ ____________

A voluntary subscription is just that—purely voluntary. A subscription to the Review is a service given to Rochester alumni, parents of current students, and friends of the University.

Mail to: Rochester Review, 147 Administration Building, University of Rochester, Rochester, NY 14627-0033
Rochester TRAVELERS

University of Rochester Alumni Association Tours are designed to provide worry-free basics—transportation, transfers, accommodations, some meals, baggage handling, and professional guides—and still allow you time to pursue your individual interests. Escorts drawn from University faculty and staff accompany most tours to provide special services and educational enrichment.

Alumni Association Tours are open to all members of the University community and their immediate families. Other relatives and friends are welcome as space permits (these unaffiliated travelers are requested to make a $100 gift to the University).

DANUBE RIVER
JUNE 29-JULY 1
(INTRAV)

The Danube River adventure combines the ease and comfort of a river cruise with the intimate, behind-the-scenes experiences of an overland journey, and includes stays in sophisticated Zurich and charming Salzburg. You’ll board the privately chartered M.S. Ukraine in Passau, Germany, and set out for an eight-day cruise through Austria, the Slovak Republic, and Hungary before disembarking to sightsee in Budapest.

RUSSIA
JULY 25-AUGUST 7
(ALUMNI HOLIDAYS)

Experience the historic Imperial Russia of Peter the Great while traveling in the comfort of the M.V. Alexei Surkov. Cruise from St. Petersburg, Peter’s celebrated capital and “window on the West,” all the way to Moscow while enjoying European cuisine prepared by a Swiss chef. As you explore Russia’s two great cities, the unspoiled beauty of the lake region of Karelia, and the picturesque and historic towns of the upper Volga River, the M.V. Alexei Surkov will be your floating hotel.

JEWELS OF THE MEDITERRANEAN
AUGUST 10-22
(ALUMNI HOLIDAYS)

Discover the Mediterranean as never before with this spectacular travel program that features the French, Spanish, and Italian Rivieras. The adventure begins in Cannes, the sparkling jewel of the Cote d’Azur, and continues aboard the Regent Spirit to explore the chic resorts and picturesque ports that dot the hills and golden ribbons of sand from Spain to Italy—Portofino, Livorno, Florence, Barcelona, Menores, and Sardinia. Complete this remarkable mixture of cosmopolitan destinations and Mediterranean seaside towns with two nights in Paris, the “City of Lights.”

IN THE WAKE OF LEWIS & CLARK
OCTOBER 4-10
(SPECIAL EXPEDITIONS)

This voyage, along the Columbia and Snake Rivers, explores the grand gateway to the West pioneered by Lewis & Clark. Travel through the Pacific Northwest on small ships that feel more like large private yachts—and can maneuver from the mouth of the Columbia in Portland all the way inland to Idaho, more than 450 miles upstream. Along the way, learn more about the history and natural beauty of the area from our staff of historians and naturalists on board. All in all, it will be a fascinating voyage of discovery to a magnificent region indelibly linked to epic events in America’s past.

ALUMNI REVIEW/Spring-Summer 1995

Brochures with full details on each of these tours are available on request to the Alumni Association, Fairbank Alumni House, 685 Mt. Hope Ave., Rochester, NY 14627-8993, (800) 333-0175 or (716) 273-5888.
AFTER Words

SANDOR SLOMOVITS '71 AND LASZLO SLOMOVITS '71

1995: Twin Troubadours

If you’re ever at Zingerman’s deli in Ann Arbor, Michigan, make sure you order a “Number 55”—tomatoes and fresh mozzarella cheese topped with pesto and grilled on rye, the special known as “Gemini Rocks the House.”

This blockbuster sandwich honors Sandor and Laszlo Slomovits, the children’s folk-song duo known as “Gemini”—who love the food at Zingerman’s so much that they wrote a rollicking klezmer-style song about it:

Cream cheese, Swiss cheese, muenster and Dutch gouda.

Where else have you seen so much good fooda?

Bagels, pumpernickel, onion rolls, and rye,

Could go elsewhere … can’t imagine why….

Such are the simple delights of childhood that the Slomovits twins have written and sung about for nearly two decades: riding a bike without training wheels, playing with a new puppy, losing a tooth, wondering what to write to Grandma and Grandpa, snuggling under the covers at night.

Gemini has released three recordings and one video, all featuring their own songs along with traditional folk music. (Their 1988 recording, “Pulling Together,” received a Parents’ Choice Magazine Award, as did their next release, “Growing Up Together!”)

The latter was cited by the American Library Association in 1990 as a Notable Children’s Recording. Their first video—“Fancy That!”—was voted one of the top 10 children’s videos by the American Library Association and Random House in their book 1992 Best of the Best.) In 1993, the brothers published The Gemini Songbook with Hal Leonard Publishing Corporation, one of the world’s largest music publishers. And there’s more to come, they say—a tape of lullabies and maybe even a television show.

The twins have performed in 33 or 34 states (they’ve lost count) and in Canada—including big-time gigs as the 92nd Street Y in New York, the Toronto International Festival, and the Chautauqua Institute. They’ve even sung the national anthem at Tiger Stadium in Detroit. Still, they like their small-scale family concerts best. “I find that I can thoroughly enjoy a concert in a very unremarkable setting,” says Sandor. Speaking “in stereo” with his brother over the phone from Ann Arbor, Laszlo agrees: “I think we focus on the people more than on the setting.”

From the looks of their video, the two seem to enjoy themselves as much as the audience does. Their performances are theatrical as well as musical—when Laszlo “signs” the words to a song, for instance, or when Sandor plays the “bones” or the Appalachian dancing doll known as a limberjack. They both play guitar, while Laszlo plays lead and Sandor specializes in percussion (the bodhran, bones, and limberjack). Laszlo also plays the fiddle, pennywhistle, mandolin, harmonica, and Pan pipes.

Gemini’s act has an international flavor—“Hello” features greetings from around the world. “Pizza” has a tarantella beat, and “A Fiddle” is a traditional Yiddish tune, for example—and it’s for good reason. The brothers were born in Budapest, Hungary, and emigrated with their parents in 1959 to Israel. Three years later they moved to Kingston, New York. Their father was a cantor who taught them religious music, Italian opera, and Hungarian and Yiddish folk songs. Their mother, they say, gave them what it takes to get up and put a song across to an audience.

Although neither was a music major at Rochester (Laszlo majored in English, Sandor in history, and both took voice lessons at Eastman), the twins got their start here. “We played our very, very first concert at the University after we graduated,” says Sandor. “They thought it would be educational for their students to hear the variety of music we were playing.”

They learned by doing, he says. “It’s as if the kids taught us. We were inspired by their enthusiasm.” By the mid-1980s they were performing entirely for children and families. “I found that I had more fun at the children’s concerts than I did at the grownup concerts,” says Sandor.

His brother adds: “I feel as if I lighten up when I play for children. I enjoy being uninhibited and having fun—and that comes out in working with kids.”

As Wordsworth wrote, “The child is father of the man”—or, as Gemini sings, “Every once was a kid.”


Sandor and Laszlo Slomovits came to Rochester with plans to become an engineer and a doctor, respectively—although “it became obvious after about year that this was not the direction we were going in,” says Laszlo.

“The reason it became clear to me,” his brother adds emphatically, “was that I was getting D’s in all my science courses and A’s in history!” Sandor was “pretty unhappy” about his own grades and remembers his freshman roommate, David Markowitz, commenting, “The only time you’re happy is when you’re singing.” “For some reason I still remember that,” he says.

College was a formative time in many ways, both brothers attest. Laszlo met his wife, Helen Forslund Slomovits ’72, during the second semester of his senior year—in a course called “The Divine Lover,” he recalls with obvious amusement, taught by Professor Diran Dohanian. (Helen, who majored in art history at Rochester and studied flute at the Eastman School, plays flute on all of the duo’s recordings.)

Laszlo also praises his track coach, Everett Phillips, as “a person who supported me in a very changing time. Coming to college sort of threw everything up in the air for me. He was a supportive father figure—he taught me about growing up as a man.”

Denise Bolger Kovnat
Save the Date for
THE LATE-FORTIES 50TH!!!
The 50th Reunion of the Classes of 1946, '47, '48, and '49

OCTOBER 24–27, 1996

Join us for a reunion weekend of tribute, celebration, and academic exploration of an unforgettable time in Rochester's past...the undergraduate experience of the war years and of the first heady years of the postwar era. This is a special combined 50th reunion for the Classes of '46, '47, '48, and '49 and an opportunity for all of us to learn more about this unprecedented period on campus. World War II veterans from all classes will also be invited.

For more information, or to get involved with planning this memorable event, we invite members of the Classes of 1946-49 and World War II veterans of all classes to call Mary Jo Ferr or Diane Morrell Jenkins '58 at the Alumni Association at (800) 333-0175 or (716) 273-5888. Also, if you're a V-12 alumni veteran, please call us and let us know!
What do you do if it's six o'clock at night, you're waiting for a gel electrophoresis to get done, and the pizza hasn't come yet? Well, if you're biology professor Stan Hatlman, you get out your antelope-skin djembe and offer up an impromptu drum roll or two. Hatlman, who has been taking djembe lessons for about a year and a half now, says his Bio 268 students "just freaked out" when he started playing—the sound of this traditional African drum, he admits, is "pretty awesome." So is that what they mean by "biorhythms"?