

Summer 1980
WPJournal





Alumni term trustee nominations being received

EACH YEAR the WPI Alumni Association has the opportunity to nominate alumni for consideration for positions on the WPI Board of Trustees. Candidates are selected through a balloting process conducted by the Alumni Association's Alumni Council, and a Trustee Search Committee of the Association is responsible for assuring that there are enough candidates each year for the positions available. Paul W. Bayliss, '60, chairman of that committee, has recently announced that his committee is now receiving

petitions for consideration for nomination for terms beginning in July 1981.

Alumni may submit petitions which contain the appropriate number of verified signatures on or before October 3, 1980. They should be mailed to Mr. Bayliss c/o the WPI Alumni Office, Boynton Hall, Worcester, MA 01609. Questions regarding the procedures for the formal submission for proposals should be directed to Stephen J. Hebert, '66, Alumni director, at WPI, telephone (617) 753-1411.



Editor: I found the article, "A room at the top," about Boynton Hall's clock tower (in the Winter 1980 *Journal*) very refreshing. I'm glad to see that the wall of graffiti was left untouched during the recent renovations, at least so far. I sincerely hope it will be left as is. Nearly everyone has left his name and date of visit on some obscure landmark at some time in his life, secretly hoping it will be found and recognized, hopefully years later. I suppose it's a way of immortalizing some small part of ourselves. To paint over these "fossils" of WPI students would be truly sad. Obviously that small piece of wall has brought some happiness (perhaps sadness) to some, and someone felt it could touch more people (hence the publication of the article in a prominent place in the *WPI Journal*.) Please help see that this small unobtrusive spot is left as it has been for these past years, to be enjoyed by future sentimentalists. Thank you for your concern and the article.

— WALTER A. PERKINS, '75
Keene, NH

Editor's note: The graffiti are still there, and probably will be for the next century or so. In a related vein, someone recently asked why WPI had gone to all the trouble and expense to put sheet-rock on the walls of that nearly inaccessible and unusable room in the tower. Building code requirements, that's why.

- 2 **On Gossamer Wings**
Paul MacCready, this year's Commencement speaker and designer/builder of the Gossamer Condor and Gossamer Albatross aircraft, discusses the consequences of research into human-powered airplanes.
- 7 **"The Electric Disco Chicken ... ?"**
The story of one man, twenty chickens, and more than five thousand photographic exposures, all in 4½ minutes.
- 8 **The long ride of Edward Delano**
Roger Perry tells the tale of this remarkable alumnus who rode his bicycle 3100 miles to attend his class's 50th reunion.
- 17 **Reunion 1980**
A brief look back at that wonderful weekend.
- 24 **Your class and others**
- 32 **The Peep Toad Potter**
How not to stay a physicist: the story of Dick Farrell, '64.
- 43 **What handicap?**
John Pavao's success.
- 45 **How much is it worth?**
American Appraisal's Lee Hackett, '61, either knows or can find out fast.
- 46 **Completed careers**

Editor: H. RUSSELL KAY

Alumni Information Editor: RUTH S. TRASK

Designer: H. RUSSELL KAY

Typesetting: COUNTY PHOTO COMPOSITING, INC., Jefferson, Mass., and DAVIS PRESS, INC., Worcester, Mass.

Printing: DAVIS PRESS, INC., Worcester, Mass.

Alumni Publications Committee:
DONALD E. ROSS, '54, chairman; ROBERT C. GOSLING, '68; SIDNEY MADWED, '49; SAMUEL W. MENCOW, '37; KATHLEEN MOLONY, '77; STANLEY P. NEGUS, JR., '54.

Address all correspondence to the Editor, *The WPI Journal*, Worcester Polytechnic Institute, Worcester, Massachusetts 01609. Telephone (617) 753-1411.

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The WPI Journal (USPS NO. 0148-6128) is published five times a year, quarterly plus a catalog issue (identified as no. 2) in August. Second Class postage paid at Worcester, Massachusetts.

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On Gossamer Wings ~

by Paul B. MacCready

The discipline of seeking high-performance on puny human power lets you see and understand just how efficient vehicles can be.

HUMAN-POWERED FLIGHT has been a goal of mankind from as early as man had developed to where he could envy the birds. However, once the Wright brothers mastered powered flight in 1903, people realized that this old aviation goal of human-powered flight was not all that important. Engines, as powerful as 100 or 1000 men, were then available to move aviation to achievements which were never conceived of except by science fiction writers. A few enthusiasts kept the dream of self-powered flight just barely alive.

Then in 1959 a remarkable, creative event occurred. A British industrialist, Henry Kremer, put up a prize for the first sustained controlled human-powered flight (i.e., the human-powered analog to the Wright brothers' 1903 flight). During the 18 years the prize stood unclaimed, it was increased to nearly \$100,000, the largest prize in aviation. Once Kremer established the prize, it was inevitable that someone would win it. But it was not inevitable that anyone would put up such a prize — that was a unique and creative event.

In the summer of 1976 I got the idea of how to win the prize and, with a team of a dozen friends and relatives, created the Gossamer Condor. It won Kremer's prize a year later. To our astonishment, the aviation establishment showed great enthusiasm for this esoteric and impractical feat — and the vehicle went to the Smithsonian National Air and Space Museum in Washington, where it hangs next to the Wrights' aircraft and Lindbergh's Spirit of St. Louis.

We had found Gossamer Condor was a fun airplane to fly. You don't have to be either an athlete or a pilot; a 60-year-old woman flew it, as well as a 10-year-old boy. The dark side of having the aircraft hang in the Smithsonian, for us, was that we could no longer fly it. So I calculated what an improved version would do if made more accurately. The computations showed that our primary pilot, Bryan Allen, could probably keep it aloft for five hours, while we ordinary, out-of-condition mortals could fly it five or ten minutes. This sounded like fun, but we were too lazy to start work on Gossamer Albatross immediately.

Paul B. MacCready, president of AeroVironment, Inc., and winner of the two Kremer prizes for human-powered aircraft, gave this address at WPI's Commencement in May. Since then, he has unveiled the next aircraft in the Gossamer series — the Gossamer Penguin, powered by solar cells and batteries.



Mr. Kremer announced a new prize: £100,000 (more than \$200,000) for a human-powered flight across the English Channel. We suspect he thought winning this one would take another 18 years; we felt winning it quickly would be a piece of cake! The basic design of our aircraft was already calculated on the back of an envelope. I should mention that a WPI 1951 alumnus, my brother-in-law Kirke Leonard, was a key member of the Gossamer Condor/Gossamer Albatross teams, and in fact did the primary development work on the use of advanced composite materials in the Gossamer Albatross. In 1979 the DuPont company sponsored our efforts, we got to England, and Bryan Allen successfully flew the Gossamer Albatross across the Channel, miraculously doing it on the first try.

Incidentally, this cross-Channel flight was the human-powered analog to Louis Bleriot's first flight across the English Channel in 1909 — a flight which greatly stimulated aviation in Europe, and which is regarded by many Europeans as a more important milestone than the Wright brothers' flight. The next early milestone of powered flight, which everyone agrees to, was Lindbergh's Atlantic crossing. (However, neither Henry Kremer nor Bryan Allen has evidenced the slightest interest in continuing with human-powered analogs to early aviation milestones!)

While working on these projects, we focused single-mindedly on the simple goal of winning the prizes. Since the events, we have had time and occasion to try to view the projects from a broader perspective. We're beginning to realize that our projects were pretty special. They demonstrated approaches to solving technical problems and handling management tasks which may be applicable elsewhere. They gave, to us and others, perspectives which may be rather important. All this does not mean we are unusually bright or efficient. In fact, one of the important perspectives which emerges is that rather ordinary people, with a bit of luck and a strong drive, can literally "reach for the stars" and succeed.

AS I THINK BACK over the Gossamer aircraft programs, there are several main points which stand out. The first of these is this: *You can do amazing things in efficiency and energy conservation when you are really pushed* — and the things you can do may be very important in these days of non-infinite energy resources.

In 1976, before the vacation when I thought up the Gossamer aircraft, it had never occurred to me (or others) that a person could fly on just 1/4 horsepower — or that you could make a 96-foot wingspan airplane that weighed only 55 pounds. But I was pushed by the lure of Kremer's prize money, because I was in the uncomfortable position of having guaranteed a friend's debt which couldn't get paid. I think Kremer put up his prize money for just this reason — to push (or lure) people to reach the goal he had in mind. (Our project turned out to be more expensive than hoped, so much of the profit was an illusion. But the initial push was there.) And now I am delighted to have had that negative pressure of the debt — it caused the launching of a unique program. It's one more example that almost any circumstance can eventually be turned to benefit.

You can certainly make a better human-powered airplane than the Gossamer Albatross, but any human-powered airplane will probably be so large and flimsy that it will not have an adequate margin of safety. We now find that our thoughts about future developments do not concern human-powered aircraft. Our aviation thoughts are about vehicles operating on two or three horsepower — 10 times what a human puts out, but still small enough power output that it can be derived from battery or solar power, or even from a large model airplane engine. My dream is for a silent electric plane, battery or solar, with which I can soar with hawks, fly with migrating ducks, and cruise the shoreline at 100 feet.

But there is another area of development which is of greater interest and greater importance — ultra-efficient surface transportation. Virtually everyone on the Gossamer Condor/Gossamer Albatross team is also involved in the development and racing of streamlined bicycles. Each year, in a competition in southern California, the International Human Powered Vehicle Association sponsors exciting races for these exotic vehicles. The vehicles all involve enclosing the occupant (or occupants) in a streamlined fairing, rolling on bicycle-type wheels, with bicycle pedals and sprockets or equivalent mechanisms. And each year you see man moving faster across the surface of the earth under his own power than he has ever moved before.

A year ago, a two-person machine first exceeded 55 mph — and, in a touching ceremony, the drivers were awarded honorary speeding tickets by the California State Highway Patrol. This year, a single-person machine went faster than 55 mph, while a tandem machine exceeded 100 kph, almost 63 mph. That same two-person machine, in a long-distance hour race, went 46 miles — a mind-boggling feat (whether feat or feet!). These bikes make an ideal university project; I'm surprised that so far only three schools have gotten involved.

These vehicles at present are no more "practical" than our human-powered aircraft, but in these surface vehicles you can see the rudiments of something very practical. The discipline of seeking high-performance on

Once Kremer established the prize, it was inevitable that someone would win it. But it was not inevitable that anyone would put up such a prize — that was a unique and creative event.

puny human power lets you see and understand just how efficient vehicles can be — and with this understanding you are free to use various power sources, such as human pedaling, an electric motor powered by a battery or solar cells, a tiny gasoline engine, wind-aided motion, even a large rubber band, or combinations of these. In mass production you could have an all-weather vehicle, retailing at just a few hundred dollars, which protects you in a crash-resistant cocoon, powered say by an eight-pound battery/electric motor system augmented by pedaling as desired, in which you could commute at about 30 mph while maintaining your body in good physical condition. You may think such a Mickey Mouse device would never fit into our present transportation system . . . but just wait until OPEC turns off our oil imports for three or four months. Our perceptions can then change very quickly.

The mood of the country now seems to be evolving toward a willingness to go to war in the Middle East in order to maintain our dependence on the oil and on the volatile politics and religions of that area. It seems more rational, to me, to play with new techniques in transportation, and with new life styles, rather than go chasing so hard after a vanishing resource (and, incidentally, one which pollutes our atmosphere).

THE SECOND MAIN POINT I learned from the Gossamer aircraft is that *it is useful to approach a problem with a knowledge of fundamentals but without the deadening influence of prior detailed expertise and prejudice.*

As I look back at the Gossamer Condor/Gossamer Albatross projects, I see that the main factor which made them work was the vehicle's structure — and the main reason that we came up with the right structure was that I had no background in aircraft structures. Every other serious team had excellent credentials in



You or I have the best chance of thinking clearly in new areas, where there is little precedent. Such areas are the most fun to work in, because you can make a significant impact without years of effort.

aircraft structural design, and what every team built looked, structurally, like a regular airplane or glider. But that was not the right approach for this sort of pioneering vehicle. My background included some fundamentals in beam bending and buckling, and those fundamentals were helpful. But basically this design was started with a clean slate (and with some knowledge of wire-braced indoor models and wire-braced hang gliders).

I would rather fly in a jet airliner designed structurally by members of these other teams than by anyone with my poor credentials in structures. There is, of course, a vital role for the experts, but if they are getting into a new area they have to recognize that their expertise may inhibit their search for solutions. After thinking about the role of structures experts in human-powered airplanes, I began noting various instances where knowledge stifles solutions, and noting that this happens rather more often than expected.

For example, I was discussing with a 10-year-old how you put a needle on water and have the surface tension keep it afloat. The question was, how to set on the water the largest possible needle which could stay afloat. How would you lower it and release it delicately? With your fingers? With tiny wire hooks? With an electromagnet? After a little discussion, the 10-year-old said, "freeze the water, set the needle on it, and let the water melt." Would that really work? I suspect so. But I realized that I could not have thought of that solution because in my youth I had set needles down with my fingers, and my mind was blocked toward ingenious ways of setting the needle down carefully. The 10-year-old, even though afflicted with dyslexia, did not have my blinders on. He understood what question I was asking better than I did — the question was how do you get the largest possible needle to be floating on the water, not how do you set it down. I had introduced an unnecessary constraint.

A Nobel laureate in physics told me recently that he noted the greatest creativity is found in young physicists, and this creativity usually involved ignoring a presumed constraint which their elders had always assumed necessary. As a last note on the needle incident, when I told the story to a friend, he said that when he was 10 he set the needles down on the water with a strap of toilet paper, which quickly dissolved away.

10-year-olds have another attribute. They ask questions and are perfectly happy to ask "dumb" questions (which may not turn out to be so dumb). As you get older, you think maybe you should know the answer and so you are ashamed to ask a question which might label you stupid. Many of the most effective grownups feel secure in themselves and are comfortable asking those "dumb" questions . . . which helps their effectiveness.

Now, when confronted with a new problem, I find myself asking, "What would a 10-year-old say?" But I know in most cases I cannot come up with the 10-year-old's approach because of the years of experience which

have coated over my originality. You or I have the best chance of thinking clearly in new areas, where there is little precedent. Such areas are the most fun to work in, because you can make a significant impact without years of effort. After a field is established, and particularly after it is so established that they teach it in college, the excitement is lessened, even though the importance of the field may have grown larger. To prepare yourself for the new areas, the exciting subjects which have fallen through the cracks of established fields, you want a good background in fundamentals and in how to get jobs done — things which the WPI Plan has had clearly in mind during your years here.

The early morning flights at remote airports, watching the big, miraculous bird slip silently through the still air — these represented magic moments.

THE THIRD MAIN LESSON of the Gossamer aircraft is that *technical aspects usually make up only a small percentage of a total program*. Business management, determination, media interaction, timing, and luck may represent the major factors. The rule that invention is 2 percent inspiration and 98 percent perspiration is surprisingly accurate. I won't belabor this point except to note that, in the Gossamer Albatross program, probably 90 percent could be called business management — finance, personnel, hangar leases, logistics, backup boats, communications, etc. The goal was to win the prize, so I did whatever moved the project best toward that goal — and that meant only a little new technology but a lot of project management.

I MAY HAVE GIVEN you the feeling that the Gossamer Condor/Gossamer Albatross projects were just work. The work came first (my time was actually spent playing hooky from my company, AeroVironment), but there was much more to the project than work. It was fun at all times. It didn't take me away from my family; rather my family got deeply involved in it, with my sons being the main test pilots. It got me involved with many new friends.

The early morning flights at remote airports, watching the big, miraculous bird slip silently through the still air — these represented magic moments. There was a flavor of pioneering throughout, which I've only come to appreciate recently since I've had time to read about the history of aviation in the first 30 years of this century. Then there was success, even some small financial reward, and an appreciation for the feat by the public which still seems to us more than is deserved.

All this introduces my last point, which is that *work can be fun if you pick a challenge you are excited about*. I recently heard Edwin Link, an aviation and oceanography pioneer, quoted as saying he never worked a day in his life — meaning it was all just fun. I think you too will find this to be true. Eventually you will find that everything you have learned and will learn in the future will have value. Politics, exercise, physiology, history, art, etc. — it's all as important as engineering . . . eventually.

Your WPI Plan experience has given you a unique start; you are emerging into a period when there are great challenges. You have merged academic technology, humanities, and real-world industry. It will be an exciting next half-century, the most exciting and best there has ever been.

WPI

"The Electric Disco Chicken"... ?

BOB GOODNESS, '70, is a man of many facets. From 1973 through 1976 he designed and manufactured hang gliders. Currently he is a tool designer for General Motors in Framingham, Mass. But you'd never guess what his latest venture is.

For the past year or so, Bob has spent a major part of his spare time making an animated film entitled "The Electric Disco Chicken." Honest. It premiered February 1 at the Boston Film/Video Foundation, and its outrageous comic appeal generated, within a few weeks, two offers to air it on Boston TV stations. It has won prizes at both the New England Film Festival and at the Toronto Film Festival.

A year may seem like a long time to produce a 4½ minute film, but that's not uncommon for animation by an independent filmmaker. According to Bob, "there's actually about three minutes of animation, where chickens dance a 'Saturday Night Fever' type line dance, and that three minutes required over 5,000 individual moves of the chickens."

Perhaps we should make it clear here just what kind of chickens these are that Bob is talking about. They're the kind you find living at the neighborhood supermarket — plucked, dressed, and without benefit of heads or claws. Frank Perdue would understand.

"I found myself spending about three hours," Bob continues, "to film each ten seconds of animation. Not only did this require a lot of patience, but it also took a high tolerance for discomfort. The filming sessions frequently went late into the warm summer nights, and having four uncooked chickens under hot spotlights for hours at a time stretched my tolerance to the

limits. (Editor's note: Now how does that commercial go? 'It takes a tough man to make a tender chicken'!!) One night I even tried spraying them with Lysol; but I quickly changed to washing them in hot soapy water between scenes. I used about 20 chickens and ate maybe 6 of them.

"The other major time consumer, besides the filming and construction of a chicken-scale disco dance floor and lighting, was producing an original disco song. I had to locate a musician who would work within my limited budget, and unfortunately he turned out to be somewhat temperamental. We spent about 12 hours in an 8-track recording studio in Newton between Christmas and New Year's 1979 — a full month behind schedule. The music did turn out very professional, but the delay hurt my distribution efforts. Gary Shapiro, '73, and his wife Pam helped out with the background vocals. The music was the most expensive part of the film, bringing the total cost up to \$800, not counting the cost of driving into Boston three to four days a week."

What would motivate Bob to spend that kind of time and money to make a 4½ minute film? Basi-



cally, it was art for art's sake. "I don't bowl, watch TV, or follow sports," Bob says. "I've maintained an interest in the arts for many years. In the past I've done some sculpture and furniture design.

"Animation has had a major increase in attention as a medium of expression in the last ten years, with independent filmmakers like myself working all over the world. Some of those filmmakers have given up their independence and joined government-funded studios like the National Film Board of Canada, or Zagreb in Yugoslavia, because generally there are very few sources of financial support for independents.

"PBS in this country recently presented an opportunity which could have returned me about \$10,000 for my film. Unfortunately, because of the delay with the music, I didn't have enough time to get the film through PBS's screening process. And even though this sounds financially promising, it was a pretty rare opportunity, and PBS program directors have the final say on which films are selected. Independents generally complain that the selection process is not democratic enough for what is supposed to be the 'Public' Broadcasting System.

"There are two other possibilities for making my money back," continues Goodness. "The first is cable TV. The second is a lead I've got about the owner of a fast-food chicken restaurant chain in California, who has wanted an animated TV commercial for years. Neither of these promises to pay more than PBS. And beyond those opportunities, there are only film festivals and the two Boston TV offers — all of which pay only a small portion of my expenses. They're just token payments, really."

But making money from the film isn't everything. "The real satisfaction I've received has been in the creative process . . . and being in an audience when they get hysterical watching the Electric Disco Chicken do his thing — that's payday for the psyche!"

WPI

The long ride of Edward Delano



by ROGER N. PERRY, JR., '45

AT FIRST LIGHT on the morning of May 1, Edward R. Delano kissed his wife goodbye, climbed on his bicycle, and headed eastward from his home in Davis, California. Just over a month later, he ended his trip. He had bicycled 3100 miles to attend his class reunion at Worcester Polytechnic Institute.

THIS WOULD HAVE BEEN quite an accomplishment for any person. But Ed Delano is a member of the class of 1930, and he had ridden a bicycle across the united states to attend his 50th college reunion, at the age of 75. Little wonder that he was seen off by television crews and newspaper photographers at that early hour.

He had little doubt that he would complete the trip. After all, he'd returned to his 40th reunion in 1970 on the same 15-speed bicycle. When his classmates jokingly asked him then if he'd return for the 50th by the same mode of transportation, he said, "If I can throw my leg over the saddle, I'll do it." And Ed is a man who keeps his word.

AS A YOUNG MAN, Ed had a passion for long-distance bike riding, but gave it up when he went to college. When he was 58, he decided to go back to the bike. He joined one of the many bicycle clubs on the West Coast and entered serious competition in road races and time trial races. By the time he retired in 1970, after 37 years as a California highway superintendent, Ed was deeply involved as a serious bicyclist. That spring, he got himself into condition for his first cross-country ride. "It was something I had to try. I wanted to prove to myself I wasn't too old to do something I really wanted to do," he said, looking back at his 1970 ride.

Just to keep in shape for his planned ride back to his 50th, Ed rode to Quebec in 1975, a distance of 3400 miles. That same year, he competed in the Over 60 class in the European Veterans World Road Cycling Championships, placing 15th out of 60 entrants. The following year, he finished 9th in the same race. He has a habit of bettering his time as he gets older.

Along the way, he acquired a nickname on the bicycle racing circuit, the same name given to a Stockton, California, bank-robber who escaped by bicycle. When Ed shows up for meets on the West Coast, everyone knows him as Foxy Grandpa. "The name stuck," he commented, "and I kind of like it. I even have it stitched on my racing shirt."

About his real name, Ed comments, "my family has always pronounced it de-LAY-no, with the emphasis on the second syllable. That fellow who lived in the White House for a few years, the one who had this for a middle name, must have come from another branch of the family, or else he never learned how to pronounce it.

"Rosamond, my wife, is very supportive of my passion for bike riding, but she's not a rider herself. When we go out together, we drive the car. But I prefer the bike, and I ride about 20 miles a day year-round, just to keep in shape."

ED HAD PLANNED HIS TRIP to cover the same route he'd followed in 1970, and he figured on covering the 3100 miles in 31 days.

He left home that May-Day morning, picked up Interstate Route 80, and headed toward the Rocky Mountains. I-80 was to be his route for the next two weeks, halfway across the country. "Bicyclists are allowed to ride the shoulder of that road through the West, and it

Roger N. Perry, Jr., '45, is director of public relations at WPI. After writing this story, he and his wife went on vacation in Canada — and took their bikes along with them.

makes a beautiful trail for cyclists," he noted. "The road is new and in good condition, and the grades are long and gradual through the mountains."

Ed made the first of many long-distance calls to me on his third night out, reporting that he'd reached Lovelock, Nevada, a distance of 272 miles. From then on, I began to feel he was part of my family. I kept an atlas near the telephone at home to chart his progress. In the office, we began sticking pins into a map of the country, with little flags to indicate the town, date, and distance covered with each telephone report. Another map was hung in Gordon Library so others on campus could follow his progress.

In those first calls, Ed reported taking time out to repair flat tires. He had a total of six flats, and they all occurred in the first week. He encountered a minor delay while crossing the Continental Divide. "The grade wasn't bad on I-80 but, three miles from the top, the road surface was glazed with ice and I had to walk to the summit. Then there was another three miles of ice on the down side before I could ride again. But from there on, it was almost all downhill to Iowa."

Calling from Kimball, Nebraska, he reported a delay when three inches of snow fell and kept him in Laramie, Wyoming, for a day. "It gave me a chance to rest up, but it put me behind schedule," he said. On his next call, Ed told of leaving a Nebraska motel at dawn with a cold rain falling. By the time he reached the next town, 15 miles along the route, he'd decided it wasn't worth riding in the cold rain all day, so he checked into the first available motel, losing another day. "Riding in the rain doesn't normally bother me. In fact, it's a lot more comfortable than riding through a heat wave. But that day in Nebraska it was just too cold and raw to take a chance."

BEFORE THE TRIP, Ed had indicated his willingness to capitalize on the publicity value of a man riding a bicycle 3100 miles to his 50th reunion. "After riding this distance twice before," he observed, "I'm not trying to prove anything to myself. So if the ride can help publicize WPI, I'm glad to pitch in."

Taking our cue from Ed, the WPI public relations office alerted news media. They were indeed interested in hearing about his trip. The wire services covered his departure from Davis, and WPI's clipping service soon began returning news items from all over the country. Once he reached the plains, where the population is more concentrated than in the western mountains, he began meeting reporters and TV crews again.

At WPI we were concerned that news coverage enroute might slow him down and put him further be-



hind schedule, so we were somewhat cautious in pacing the interviews, arranging, whenever possible, for interviews to be held only after he'd checked into a motel for the night. News media along his route were alerted a few days before he was scheduled to pass through their area. If they were interested, and most were, I'd give Ed the reporters' names and telephone numbers when he called me periodically to report his progress. Then he'd call ahead to the reporter and either give an interview by phone or set a meeting point along the way.

"I became a pretty good judge of reporters after a while," said Ed. "Of course, they all asked about the same questions, but some were a lot better at it than others."

At Ed's request, we specifically did not arrange any alumni welcoming committees enroute. He was concerned that these could slow him up and perhaps keep him up too late in the evening. And since he never knew where he'd be staying until he arrived, it would have been difficult in any case to set up special events.

EXCEPT FOR THOSE half-dozen flat tires in the early part of the trip, he had no mechanical troubles. Ed carries a tire patching kit, a spare tire, a pump, and a few specialized bicycle tools which he knew he wouldn't be able to borrow from a friendly mechanic's tool box in case of trouble.

He credits his lack of mechanical trouble to foresight. "I took my bike to the best bicycle mechanic on the West Coast, Spence Wolf of the Cupertino Bike Shop. I told him to go over the whole thing and replace any part that wasn't in first-class shape.

"My touring bike is the best money can buy," Ed continues. "The frame was made by Ciano Cinelli of Italy, who has now retired. I bought it in 1969 for just under \$300. Today it's probably worth about \$1300, and if I hang on to it long enough it will become a collector's item. The complete bike weighs about 28 pounds. It's one of three I own. For competition racing, I have a lightweight bike, which weighs only about 19 pounds. The third bike I use to get around town."

One of the features of Ed's bicycle which distinguished it from every other on the road was a plastic bubble mounted on the handlebars. "That's a Zipper fairing, which I'm trying out for the first time. It's supposed to cut down the wind resistance by a few percent. Since it only weighs 14 ounces, I figured it was worth a try on a 3100 mile trip. Perhaps the value is mostly psychological, I don't know. It's a fact, though, that most of a bicyclist's energy is expended overcoming wind resistance."

He travels light. "I'm an executive traveler. Besides my emergency spares, I carry a tooth brush, enough clothes to keep warm, and a lot of travelers checks," was a story he gave frequently to reporters along the way. "I always stayed in motels. When I was lucky, I'd find a motel in the middle of town where I could find a restaurant, a laundromat, a place to buy a newspaper, and a telephone."

The newspaper did double duty. After he'd caught up on the news of the world, he'd spread the paper on the floor of his room so that, when he oiled the bicycle chain and mechanical linkages each night, he wouldn't drip on the carpet. "I always kept my cycle in my room so I could know it was safe," he said. "I'm not much of a television watcher, so usually I'd lean the bike up against the tv set."

AFTER FOLLOWING HIS PROGRESS across country, I wanted to see firsthand how Ed lived as an 'executive tourist.' As he approached New York State, I made arrangements to drive out and meet him on the road. He told me the route he'd follow from the Pennsylvania-New York border, where he was spending the night.

I left Worcester early the next morning. By mid-afternoon, I'd left the New York Thruway and picked up U.S. Route 20, then Alternate Route 20. I knew that he'd be somewhere along this stretch. I passed through towns named Geneseo and Warsaw without seeing him. Realizing that we'd need a motel along the route, I began noting the mileage as I passed each one, mentally sizing up its quality.

After driving through Varysburg at about 5 p.m., I began to wonder if somehow I'd missed him. Perhaps Ed had been stopped at a store just as I'd passed by. But no, things were just fine and, five miles beyond the town, there he was, pedaling up a slight grade through the beautiful upstate New York farm country.

It was a happy reunion there beside the road. Mine was the first familiar face Ed had seen in three weeks. For my part, I was delighted to see how well he looked after riding 2700 miles since he left home. We compared mileage figures and found that his estimated distance to go was only 5 miles more than my trip that day. (Ed figures his distance by adding up the little numbers printed between towns on a road map.)

He was happy to learn that the Varysburg Hotel was only five miles ahead of him, because he was ready to call it a day. I drove back, and he arrived nearly as quickly, because it was all downhill to the town. But we were in for a disappointment. The hotel was completely filled with construction workers from a nearby highway project. The next motel was 16 miles farther on, and I recalled that it hadn't looked very promising. Also, the road was mostly uphill at that point.

"Tell you what," I said. "Put your bike in the back of my pickup truck and let's go find a good motel. I can bring you back to this same starting point in the morning." As we drove north, we saw a sign for a Holiday Inn at the Thruway in Batavia. "I always like to stay at Holiday Inns," commented Ed. "They have everything I need, and they treat me royally." We had better luck here, and they had two rooms available for us.

"Do you ever have trouble getting a room?" I asked, looking over Ed's functional cycling attire and three-week-old beard. "No," he said, "but I do have a specific technique I usually use. I put on a tired look — but with a sort of wistful smile — and I ask, 'Would you have a room for a weary cyclist who's been on the road since dawn?' It hasn't failed me yet."

After we'd checked into our rooms, both of us were ready for dinner. "First, I could go for a nice cold beer,"

"The grade up to the Continental Divide wasn't bad, but three miles from the top the road surface was glazed with ice, and I had to walk to the summit. There was another three miles of ice on the down side before I could ride again. But then it was all downhill to Iowa."

said Ed. "Then we'll take a look at the menu."

"What does a cross-country bicycle rider eat?" I asked. "I eat everything," was the prompt answer, "but not too much of anything. I like a big breakfast. That's really the best meal of the day because it has to last me a long time. Then during the day I usually stop at a store and buy an apple, a banana, some grapes, and sometimes I just sit on the curb and eat them right there. When you ride a bike, you lose all your dignity. I can't carry much with me, so I just buy what I can eat right away. I snack that way about every two hours."

For dinner that night, Ed had soup and a salad. There was a salad bar, and he tried a little of everything except the hot peppers. "A salad is really a well-balanced meal. It's got everything you need."

As we discussed food, it became clear that he understood the nutritional value of everything he ate and that, on the road, he was careful to eat what he needed for strength and stamina. "I'm not a health food nut," he said. "I enjoy just about everything. While I'm riding, I don't eat much beef, though. I never use sugar out of the bowl, and I don't add salt to my meals. There's enough in most food, anyway."

As we returned to our rooms on the second floor, Ed ran up the stairs, two at a time. "Always run up stairs," he said. "It's good for you." This from a man who had pedaled nearly a hundred miles that day!

He called California, a nightly ritual, to tell Rosamond where he was and to check on the news of home. Then he oiled his bicycle. Once he'd completed his evening routine, he relaxed in a chair and we talked a bit. I commented on his beard, which was beginning to look distinguished. "I don't like beards," snorted Ed. "But on a trip like this, I carry only the essentials, and even a razor adds weight. Now the beard is starting to itch, and one of the first things I'm going to do when I get to Worcester is go to a barber shop and get a shave, a hot-oil shampoo, a haircut, and a facial . . . the works! But you know, even though I don't like beards, I find having one on this trip is an asset. Somehow the beard seems to give me credibility."

"How many people do you find in your age bracket in bicycle competition," I asked, when the conversation turned to his other bicycling activities.

"There's one guy from Florida who's 84, and he still rides in competition. If he ever decides to retire, then I guess I'll be the oldest competitive rider in the country. But there are a lot of riders not too much younger than I am, and each year there seem to be a lot more.

"When you think about it, bicycle riding is one of the best things you can do to keep in good physical condition. There's no danger of damaging your legs and feet, like you can do in running. Besides, you can go about three times as fast and see three times as much on

a bike. If you ride hard, you give the old heart a good workout. It's like any muscle in your body, the more you make it work, the stronger it gets."

Does he smoke? "I used to smoke, but I guess you could say I didn't do it for a living. It would take me three or four days to finish a pack of cigarettes. Then one day I just decided I didn't want to smoke any more, and I haven't touched one since. Now I find the smell of tobacco repulsive."

Once he was back on the highway, our brief visit was over. Ed quickly disappeared from sight in my rear-view mirror. It would take him five more days to reach where I'd be at dinnertime.

HAD ED NOTICED any changes since 1970 as he retraced his earlier route along the old U.S. numbered highways in the eastern half of the country? "I hardly recognized the same route. There have been a lot of changes in the buildings along the roads. But the biggest change was the condition of the roads themselves. Some of our Midwestern states should be ashamed of what they call highways. And I speak as someone who spent 37 years in the highway business!"

Safety is a matter of vital concern to a bicycle rider in an automotive society. "My professional highway experience makes me particularly aware of hazardous situations, and I just don't let myself get into them," he said. "Intersections are the most dangerous, and you have to keep your wits about you. I always ride on the shoulder of the road, even though in many places it's a pretty rough ride. I wear protective headgear to keep the old head in one piece if I should take a spill. I never ride at night; that's suicide.

"Dogs are about the only hazard you can't anticipate. There's something about dogs and bicycles. They must think you're running, and they want to chase anything that runs. When I see a dog, I size up the situation. If I can beat him on a sprint, I pour it on. If he's got the lead on me, I'll sometimes coast without moving my legs and maybe he'll ignore me. I've been pretty lucky so far."

Ed wasn't so lucky a year and a half ago. He was hit by a truck. His bike was demolished and one leg broken in two places. "Fortunately it happened near a hospital with an excellent orthopedic surgeon, and he put me back together real fine. When I told him I wanted to get back on the bike as soon as I could, he had me come back so he could graft on some extra bone to give my leg more strength."

Up to this point, I had considered Ed a remarkable person to have already ridden a bike so far at his age. But to do it after just recovering from a bad leg-break? My admiration grew.

He looked at his watch. It was nine o'clock. Time to turn in. Ed's day, and mine too the next morning, began at 5 A.M. "I like to start as early as I can, but most dining rooms don't open until six," he said. This one was no exception. We were the first customers.

I was interested to see what Ed's biggest meal of the day would be. First he had a large glass of orange juice. Then a bowl of cereal. "I try to get raisin bran, because it has a lot of bulk to it," he said. The next course was a plate of eggs with coffee.

We struck up a conversation with the waitress, who didn't have many other customers that early. "I'm riding a bicycle from California to attend my 50th class reunion at Worcester Polytechnic Institute," he announced to her, carefully enunciating the name of his alma mater. "Now be sure you spell that right," he added with a twinkle.

As we both finished, he noticed that I'd left a sprig of parsley on my plate. I never eat parsley. "It's good for you," he said. "You should always eat everything."

Ed speaks like a man who means what he says.

I ate it.

By 6:30, with breakfast behind us, Ed was chafing to be on his way. Checking out was easy for him because, except for the bike parts on a carrier, his luggage is spread throughout the seven pockets in his cycling shirt.

Once he was back on the highway, our brief visit was over. He quickly disappeared from sight in my rear-view mirror. It would take him five more days to reach where I'd be at dinnertime.



SOME OF THE PHOTOS I'd taken of Ed were used by the *Worcester Telegram* the next morning. This was one of several reports on Ed's cross-country progress printed by the Worcester newspapers. As he neared Worcester, it seemed that everyone I met knew about his trip and was rooting for him. Perhaps he had kindled that spirit of adventure which lies dormant in most of us as we become entwined in life's normal routine.

Fair skies and tailwinds blessed the final leg of his journey, and by Sunday evening, June 1, he was in Springfield, just 60 miles short of his goal. However, the official welcoming ceremonies were scheduled for noon on Tuesday, based on earlier estimates of the time he'd need to cover the remaining distance. "No problem," said Ed. "I'll just loaf along to Sturbridge, and that will give me plenty of time to do the last 20 miles on Tuesday morning."

For more than a month Ed Delano had ridden alone. "That's the only way to ride. No two people ride at the same rate of speed, so one is always lagging behind the other and making it hard to keep up a comfortable pace." But he did not ride alone for those last seven miles.

In Auburn, he was met by Alumni Secretary Steve Hebert, '66, and News Bureau Manager Steve Donahue, '29, who had known Ed in his college days. They were driving a restored 1953 Buick convertible with signs taped to the sides identifying the grizzled bicyclist. Also in the entourage was Douglas Thompson, '78, supervisor of the WPI television studio, who videotaped the last leg of Ed's trip and in the next two days prepared a 15-minute documentary of Ed's trip for showing at Reunion. Together with a Worcester Police Department motorcycle officer, they escorted him right through downtown Worcester, past City Hall, to the WPI campus.

According to Steve Hebert, people on the sidewalk waved and drivers beeped their horns as they recognized that man on the bike they'd been reading about in the papers.

When radio reports from the escort indicated that Ed's arrival was imminent, the bell atop Washburn Shops was rung to let everyone on campus know it was time to gather in front of Boynton Hall for the grand finish of this historic ride.

At 11:40 on the morning of June 3, 1980, Ed Delano rode up the long sweeping drive from Boynton Street, passed under a banner marking the official end of the line, and waved his hand in a happy salute. Whatever words he may have said in that moment of personal triumph were lost forever in the cheers of the crowd.



In 1970 he said, "If I can throw my leg over the saddle, I'll ride back for the 50th Reunion." And Ed is a man who keeps his word.

PRESIDENT CRANCH, in his official welcome, noted that Ed Delano obviously had the physique of a Tarzan and the instincts of a homing pigeon. Alumni President Jack McCabe, '68, presented Ed with a plaque showing his cross-country route superimposed on a map of the United States. City Councillor Sara Robertson, representing Mayor Jordan Levy, presented Ed with a key to the City of Worcester. She mentioned that, as a native Californian, she was particularly pleased to be part of the welcoming ceremonies. And to prove her sincerity, she planted a big kiss right on his month-old beard!

Rick Ferron, '82, presented Ed with a certificate proclaiming him an honorary member of the WPI Commuter's Association. He next gave Ed a tee-shirt bearing, on the front, the official symbol of the group and, on the back, the words **FOXY GRANDPA, HONORARY COMMUTER**.

Ed's response was brief, but heartfelt. He had kept the promise he'd made to his classmates ten years earlier. This was probably his last cross-country ride, because there's no real challenge left when you've done it three times. He was proud of his alma mater and hoped that perhaps his trip had helped make more people across the country aware of WPI. And perhaps, too, his trip might have been an inspiration for a few retirees to take up bicycling.

THEN Food Service Manager Scott Migala stepped forward with a huge cake, appropriately decorated, to be shared by the whole welcoming crowd. After posing for TV cameras and newspaper photographers, there was a small, informal luncheon in Morgan Hall. Among the guests were Professors Jim Matthews and Harold Hilsinger, both of whom had made more leisurely cross-country rides on bicycles. "You fellows who ride with packs on your backs and camp out, you're my real heroes," exclaimed Ed. "I didn't even work up a good sweat as an executive tourist."

Ed was driven to the Holiday Inn, where he was welcomed by innkeeper Maranes Nikitas himself, who had been eagerly awaiting his celebrated guest. The signboard in front carried the message, "Welcome to WPI's Ed Delano, '30."

Even before he'd had a chance to shower and change into the conventional clothes he'd shipped ahead, reporters were waiting to talk with him. *Boston Herald-American* writer Joe Heaney started his interview in Ed's hotel room. He was interrupted by a call from the *AARP Newsletter* editor. Joe finished his interview while Ed was realizing his month-long dream of "getting the works" at Barber's Crossing, the barber shop I use. Heaney's article concluded with the fact that

"Always run up stairs," he said. "It's good for you." This from a man who had pedaled nearly 100 miles that day!

proprietor George Bamikas wouldn't take any money for his work. "How many customers come 3100 miles for my services? This one's on me," said George.

For two days, Ed was besieged by writers who wanted his story. Even though he said much the same to each, he patiently answered all questions. Within hours, his story was carried by the wire services and on radio stations. He even had calls at his hotel room from radio stations in North Carolina and Los Angeles, from all-night talk shows who wanted him to share his experiences with their listeners.

By June 5th, when the Class of 1930's three-day reunion officially began, Ed was finally able to call his time his own again. Clean-shaven and wearing a business suit, he could pass through a crowd without being recognized as the bearded bicycle rider who had captured everyone's imagination two days earlier. And that's the way he liked it. At his reunion, Ed was happy to be just one of the class, reliving those great days on campus in the pre-depression era and bringing each other up to date on personal events of the past half century.

When the class held a dinner at the Plaza Club, located on the top floor of the Worcester County National Bank Building, Ed did slip back into character. Instead of taking the elevator, the way everyone else did, he climbed the stairs — up 24 floors!

When he made the final notes in his travel log, Ed noted that he had made the trip in 33½ days, almost three days better than his time ten years earlier; but still he missed his planned schedule by two and a half days. Ed is a purist who counts total elapsed time. But to everyone else who had become a part of his cross-country ride, Ed was right on schedule in terms of riding time. Weather had kept him indoors for two days, and the final day he delayed in Sturbridge in order to synchronize his campus arrival with the planned ceremonies.

Everyone wanted to know if he planned to ride back home. No, one way was plenty. Another frequently asked question was whether he would be riding his bike to his 60th reunion.

"Well," Ed commented by way of an answer, "I've ridden across the country three times now, and the novelty is beginning to wear off. I don't believe I'll make any promises about the 60th."

HE TOOK APART his bicycle, packing it away in a canvas bag for shipment home. When he left Worcester at the end of the Reunion, he stopped at St. Louis for two days of physical evaluation at the Washington University Medical School. A team of research people there have followed him for the past ten years, for Ed is one of their subjects in a long-term study on aging.

In a letter to Ed after the visit, Dr. James Hagberg wrote:

"We would like to express our thanks for your visit; it was inspiring for all of us and, on top of that, simply a lot of fun.

"Your body weight this time was 1.5 pounds lower (175.6 pounds) than during your 1978 visit. Your body fat was also very similar to the 12.5% measured on your first visit. Your . . . oxygen consumption was . . . substantially lower than measured earlier, and is probably indicative of the lower intensity riding experienced during the last month. It would be higher following your training for the national time trials, I'm sure.

"Your maximal voluntary ventilation (where you breathed as much as possible in 15 seconds) was 185 liters per minute, which is exceptional. Predicted normal for your age would be 80. Your vital capacity was 18 percent above predicted normal.

"Your heart rate, blood pressure, and electrocardiographic response to the treadmill test were perfect."

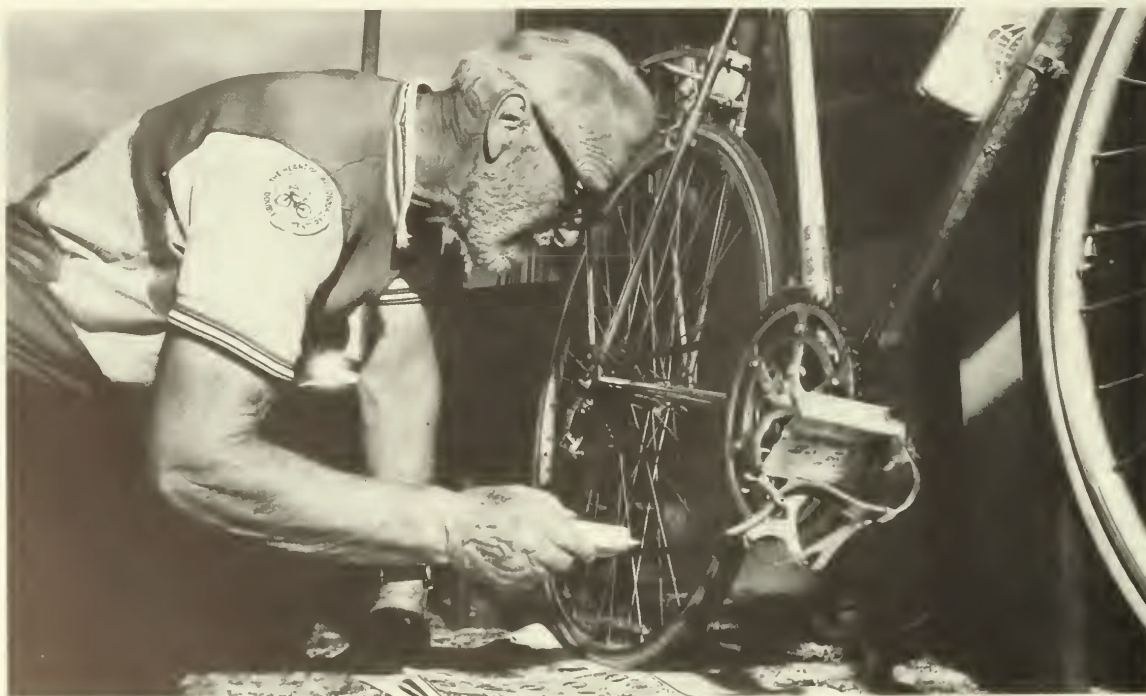
On Ed's first Saturday back in California, he participated in the district 25-mile time trial championship, covering the distance in one hour, nine minutes, and seventeen seconds. Of the five riders in the Grand Masters Class (55 and older), he placed second. All his competition was under 60. This finish qualified him to enter the national championships later in Bisbee, Arizona.

LOOKING BACK at Ed's ride, I can recall few events in recent years that have stimulated so much genuine interest in, and affection for, one man. I think there could be several reasons for this.

Each of us looks to the future with some concern, for we see too much evidence that old age is not really a golden period of happy and healthy retirement for many people. But even those who never met him can see in Ed Delano the hope that maybe, just maybe, they too have a chance to enjoy their later years with as much gusto.

The formula he lives by is essentially simple. Eating sensibly in moderation, doing what he enjoys, getting plenty of exercise, and enjoying his friends. To those who have the pleasure of knowing him, Ed has other endearing attributes. He's essentially a quiet man, who listens more than he talks. In spite of his notable accomplishments, he is humble. And although he believes passionately in his way of life, he chooses to teach it by example rather than by preaching. Ed Delano is a gracious and considerate gentleman, the kind of man we'd all like to have living next door . . . or as a classmate. Just ask anyone from the Class of 1930.

WPI





REUNION-1980



AT RIGHT: *The Class of '55 enjoying themselves at Higgins House.*
 ABOVE: *Winners of this year's alumni awards. From left, Herbert F. Taylor Award recipients (for service to the Alumni Association) Peter H. Horstmann, '55; Plummer Wiley, '35; and Leonard G. Humphrey, Jr., '35. Robert H. Goddard recipient for professional achievement, Raymond J. Forkey, '40; (not shown is Robert C. Stempel, '53, also a Goddard winner). Recipient of the WPI Award, for service to the college by a non-alumnus, is Robert W. Stoddard.*



1955's 25th

TWENTY-FIVE YEARS certainly flew by. They must have, because everyone looked the same and it seemed like nearly yesterday we had been together. 37 members of our class, along with 30 wives and guests, returned for the reunion, which was certainly festive and one that we will always remember. It was a great weekend!

It all started with the opening of our Hospitality Suite in the Fuller Residence complex, which became the focal point for all our activities. Frank and Madeline Horan, Pete and Barbara Horstmann, and Ray and Ginnie Sansoucy served as the hosts. The suite was a busy place and made an ideal place to meet. Several times we had about 70 people in the suite, and we never ran out of beer or good conversation.

Friday night the early arrivals spent several hours in the suite renewing fond memories of their four years at WPI and in Worcester.

The group comprising Jerry and Charlotte Backlund, Earl and Pat Bloom, Bob Holden, Hank and Donna Manseau, Bob and Rose-Marie Neunherz, Hal and Shirley Sauer, Bob Schultz, Dick and Hella Sieron, Chuck and Barbara Walters, and the hosts went to dine at Maxine's, a new restaurant in downtown Worcester. They later returned to the Hospitality Suite and closed it at about 3:00 A.M.

The reunion luncheon gave Ray Sansoucy, our class gift chairman, the opportunity to present our \$35,600 gift, which with matching funds approached \$56,000 to the College. Our goal was \$35,000. Our gift represented an excellent gift for a 25th-year class, both in terms of dollars and the percentage participation by members. It appears that our interest and enthusiasm for WPI has not changed. By a vote of the members of the class, the funds will be used for the new main entrance-way in the now-being-renovated Atwater Kent electrical engineering and computer science laboratory. Also at the luncheon, our own Pete

Horstmann and Bob Stempel received two of the six coveted awards: Pete the Herbert F. Taylor Award for distinguished service to WPI, and Bob the Robert H. Goddard Award for outstanding professional achievement. Unfortunately, Bob was, at the last minute, unable to join us for the reunion.

President and Mrs. Ed Cranch served as hosts in their home for a reception for the class. This gave us an opportunity to meet them and discuss WPI and to socialize. The banquet was held at the Higgins House, and the class picture was taken inside . . . and getting everyone assembled proved to be quite a task in itself. The banquet was superb, thanks to the Alumni Office, the caterer, and more particularly to Frank Horan, John Calhoun, Pete Horstmann, Ray Sansoucy, and Ralph Mongeon, who planned it. Frank also served as master of ceremonies and presented very smoothly a brief program that highlighted members of the class, the personalities of the class, things that happened while at Tech, and



the events leading up to the reunion. We even resurrected the Goat's Head for the occasion.

Frank announced that Tarek Shawaf presented a very generous gift to the class, which pushed us over our goal. Tarek had a number of kind words to say about WPI and about all his friends in this country.

Ralph Mongeon recognized Ray Sansoucy and Frank Horan for their efforts as chairmen of the Reunion Gift and Reunion committees. Both Ray and Frank thanked their committees for their efforts in making both programs highly successful. The Reunion Gift Committee included Ray, Frank Horan, Paul Brown, Bob Olson, Art Rudman, and Ed Bouvier. The Reunion Committee included Frank, Ralph Mongeon, Pete Horstmann, John Calhoun, and Ray Sansoucy.

Our special guests for the weekend and banquet were Carl and Arlene Koontz and Merl and Sandy Norcross. Merl reflected back on some members of our class, like Earl Bloom, Ed Bouvier, Don Grenier, Pete Horstmann, and Bob Schultz, the 'jocks' of the class. Bob Holden presented Merl with a 'gift,' borrowed from WPI, that he had been using for the past 25 years. Carl Koontz recalled his memories of the civil engineering graduates by highlighting Lou Axtman, Paul Brown, Jocko Conlon, Frank Horan, Bob Schultz, and Tarek Shawaf. Merl and Carl brought back many fond memories.

The yearbook was distributed at the banquet, along with appropriate comments by Ralph Mongeon, who assembled the information and oversaw its publication with the help of the Alumni Office. From the stats, it is obvious that members of our class have been very successful. They have also been successful in marriage, family, and commitment to Tech. They also average 3.2 children per family... a very productive class.

Those that traveled some distance to attend the reunion were Tarek Shawaf, who came from Riyadh, Saudi Arabia; Bob Schultz, from Corvallis, Oregon; Bob

Holden, from San Diego; Howie Dworkin, from Detroit; and Don Zwiers, from Joliet, Illinois. Tarek received the gift for traveling the longest distance from abroad — a round-trip ticket on the self-propelled Gossamer Albatross. Bob Schultz traveled the farthest from within the country, and he received a can of dust from Mt. St. Helens.

President of the Class, Brian Kelly, was unable to make the reunion, and he suggested that we elect new class officers. They are Pete Horstmann, president; Frank Horan, vice president; Ray Sansoucy, treasurer; and Ralph Mongeon, secretary.

In summary, when you add the familiar names of Roger Bardwell,

Larry Dennis, Larry Henschel, Ray Lemieux, Jim Mathews, Walt Power, George Robbins, Gerrit Swart, Al Twitchell, John Welsh, Dick Butterworth, Dave Dayton, John Edfors, and Bob Sechrest and their wives and guests to the list, then combine Tech stories, exchanges about family and friends, discussions of professional, world, and business situations, and factor in good fellowship, it all equates to an outstanding and memorable reunion.

It was a great twenty-fifth, thanks to the Committee, the Alumni staff, and above all those who came. We will be seeing you all soon.



LEFT: Peter Horstmann, '55.

BELOW: The Class of 1950 showed a remarkable turnout for their 30th reunion.





1940's 40th

AFTER MONTHS of planning by the Class of 1940 Reunion Committee and three years by the Gift Committee, the Friday morning of Reunion finally arrived. 48 classmates plus their wives took part in our best reunion ever. Everything could be described with superlatives, starting at the moment we signed the registration cards in Morgan Hall with the pleasant, helpful hostesses assisting our obtaining 1940 caps and 1940 tote bags, answering all our questions, and pointing the way to our Ellsworth Residence rooms and our own 1940 Hospitality Suite nearby. Hospitality was ably captained by John and Laurel Peters, assisted by Ken and Judy Blaisdell.

That afternoon some enjoyed golf and tennis with classmates and wives at the Worcester Country Club, while others attended campus talks and tours, while at the same time catching up on old time-topics and friendships.

The evening program, entirely as guests of the Institute, started with a truly cordial reception at President and Mrs. Cranch's home at One Drury Lane. Those bacon-

wrapped shrimp tidbits were very tasty and so nicely served along with other morsels and cocktails. We then crossed over Park Avenue to the Higgins House and a very brief, informal, and breathless tour of the mansion and grounds. It was followed by an elegant roast beef dinner. We are noting now that, next time back, we would like to spend more time studying the house and grounds. We also wish to point out that this was the first time we have enjoyed strawberry shortcake a la two-long-stemmed-roses for dessert! Place setting favors, thanks to Clark Goodchild, were 1940 nickels sealed in a plastic coated 1940 sign card. President Cranch was the key speaker, officially welcoming us for the weekend. Class president Ray Forkey highlighted the coming activities, and Steve Hebert, '66, alumni director, was the master of ceremonies.

We then adjourned to our Dorm, our Hospitality Center, and then to the Goats Head Pub in Sanford Riley for a very excellent evening of dancing and listening to old-time numbers by a Banjo Band. Many 1940 classmates participated here!

Saturday came with heavy rain. Breakfast in Morgan was abundant

and delicious, and we have to point out the outstanding difference in food service the entire weekend — the difference being our memories of being served as students as compared with our now being guests, with food and service to match the occasion. We split up the the Art Museum tour, the WPI Today panel discussion, the nuclear power topic, and shopping in the bookstore. Oh! we wish the store had been open earlier, because there were too many conflicting demands on our time. The lecture by Professor Leslie Wilbur — *nuclear power: where are we headed?* — was outstanding, very broad in scope, and we hope it will be printed for all to study and discuss back home. Others were excited by the WPI Today panel.

Then came the alumni luncheon, indoors at Morgan due to the rain. Again a good meal, but the excitement of our class participation dimmed the excellence of the food. Our class president Ray Forkey received one of the prized Goddard awards for outstanding professional achievement. Good work, Ray! Our own Howie Freeman, as a member of the Board of Trustees, made presentations of other awards. And then our Merrill Skeist raised the roof when he pre-

sented the Institute with our class gift, more than double any prior 40th reunion class gift at \$160,247.66 plus corporate matching gifts of \$12,919.75, Dana qualifying payments of \$37,669.28, plus two separate special additional gifts from class members totaling \$362,500.00, for a grand total of \$573,336.69. *Half a million dollars!* The \$160,247.66 official class gift has been voted by the class to go for scholarship aid. Wow! That was some reunion luncheon!

That afternoon we relaxed a bit, some took the campus tour, others visited their fraternity, and still others enjoyed the class Hospitality Center. We all congregated at the Sheraton Lincoln Inn for class picture-taking, cocktails, dinner, band music, and dancing between courses — just a beautiful evening.

Ed Hafey, although running for King of USA, proved to be king of amusement and pun. Ray Forkey got in a business session to announce the tracking down of an old class bank account of \$399.00. Fritz Johanson gave the 1940 class historical overview, reserved a minute of silence for our 17 deceased members, announced the results of the questionnaire now published in the new biographical yearbook. Ray then introduced our guests: Tom Denney, WPI vice president, who reported on the high qualifications of the entering freshmen; and Prof. Emeritus Al Schwieger and Prof. Don Zwiep, head of the mechanical engineering department and national president of A.S.M.E., both of whom spoke of their worldwide travels. Clark Goodchild announced that the two door prizes, very nice gift sharpening sets, were won by Jack Leach and Howie Freeman. Clark also took small group pictures at each table during the evening. Yearbooks were passed out to all, which resulted in many a light in the dorm being turned out late, while we digested those 73 reported careers. Music and dancing was enjoyed by all.

Sunday morning Break-Up-Brunch at Morgan was another super meal, along with the sincere

good-byes and vows to "see you in five at our 45th." Special thanks go to Clark Goodchild for design and procurement of Class Caps and Bags; to Clark and Fritz Johanson for editing the Yearbook; to Merrill Skeist for carrying the ball on the Class Gift; to President Ray Forkey for calling the signals; and to all the members of the committees who put in many hours of work to make it all come to pass. Citations for long distance traveling for the occasion should go to D. Bates, R. Bates, M. Ross, L. Behrent, E. Hafey, and W. Brooks.

The complete list of those attending follows.

— *Bob Dunklee, Secretary*

Mr. & Mrs. Howard L. Anderson
 Mr. & Mrs. Donald R. Bates
 Mr. & Mrs. Ralston E. Bates
 Mr. Lewis F. Behrent
 Mr. & Mrs. Max Bialer
 Mr. & Mrs. George S. Bingham
 Mr. & Mrs. Kenneth R. Blaisdell
 Dr. & Mrs. Roland S. Brand
 Mr. & Mrs. William S. Brooks
 Prof. & Mrs. Malcolm S. Burton
 Dr. S. Carlton Dickerman
 Mr. & Mrs. Robert E. Dunklee, Jr.
 Mr. & Mrs. Raymond J. Forkey

Mr. & Mrs. Howard G. Freeman
 Mr. Clyde L. Gerald
 Mr. & Mrs. Richard Flencross
 Mr. & Mrs. Leonard Goldsmith
 Mr. & Mrs. W. Clark Goodchild, Jr.
 Mr. Willard T. Gove
 Mr. & Mrs. Frank G. Gustafson
 Mr. & Mrs. Edward E. J. Hafey
 Mr. & Mrs. Joseph M. Halloran, Jr.
 Mr. & Mrs. Franklin D. Hayes
 Mr. & Mrs. Robert W. Hewey
 Mr. & Mrs. Fritz E. Johanson
 Mr. & Mrs. Rolfe G. Johnson
 Dr. & Mrs. Stanley W. Kimball
 Mr. & Mrs. David A. Kuniholm
 Mr. & Mrs. John A. Leach, Jr.
 Mr. & Mrs. Russell A. Lovell, Jr.
 Mr. & Mrs. Zarch Martin
 Mr. & Mrs. Charles C. McDonald
 Mr. & Mrs. Richard T. Messinger
 Mr. & Mrs. Peter A. Muto
 Mr. & Mrs. John H. Peters III
 Mr. & Mrs. Donald Ramaker
 Mr. & Mrs. Marcus A. Rhodes, Jr.
 Mr. & Mrs. Milton E. Ross
 Mr. & Mrs. M. Michael Sadick
 Mr. & Mrs. S. Merrill Skeist
 Mr. & Mrs. Everett P. Smith
 Mr. & Mrs. Francis E. Stone
 Mr. & Mrs. Lawrence R. Sullivan
 Mr. & Mrs. Harry Terkanian
 Mr. & Mrs. Frederic S. Waekerbarth
 Mr. Randall Whitehead
 Mr. & Mrs. Thomas S. Wingardner
 Mr. & Mrs. David B. Zipser



*Merrill Skeist presents President Cran-
 ch with the 40th anniversary gift of the
 Class of 1940 — more than half a mil-
 lion dollars in all.*

1930's 50th

ACTUALLY, THE 50TH REUNION for the Class of 1930 started on Tuesday, June 3rd, with the arrival of Ed Delano on the completion of his 3,100 mile bicycle ride from Davis, California to WPI. As he crossed the finish line about noon at Boynton Hall, he was greeted by President Ed Cranch and a crowd of 300 faculty members, students, office workers and friends.

Fran Kennedy and I met him at the Yankee Drummer Inn on the Auburn-Worcester line, whence we followed him the last seven miles by car. This section of his ride was also filmed by the WPI television crew. He received the key to the city, a plaque from Jack McCabe, President of the Alumni Association, and I presented him a pair of roller skates from the Class of '30, suggesting he may want to try these for his 60th. Any way you look at it — it was a remarkable feat.

On Thursday afternoon, June 5th, we started to assemble at the Sheraton-Lincoln Inn, and at 5:45 P.M. most of us boarded a bus that took us to the President's house for

a welcoming reception. At seven, we moved over to the Higgins House for a delicious roast beef dinner.

At the dinner, President Cranch spoke about the school, and then presented 50-year diplomas to those present, followed by the premiere of the 15-minute TV presentation of Ed Delano's ride of the last few miles, with the finish up the hill to Boynton Hall, and the various short speeches of welcome and congratulations.

Friday A.M., Steve Hebert, Alumni Secretary, escorted our class on a 1½ hour walking tour of the campus, pointing out the many new buildings and changes of the past twenty years. This was followed by a very nice buffet lunch in Morgan Hall.

During the afternoon, many of us attended seminars on the WPI Plan, and another on Estate Planning. The bus took those staying at the hotel back, so they could get ready for our 50th banquet which was held on the 24th floor — the Plaza Club — in the Worcester County National Bank building, opposite Worcester City Hall. The class picture was taken during our

social hour, but with all the mirrors, windows, space, who knows if it will come out?

Following a very fancy dinner, Gardner Pierce, head of WPI's plant facilities, gave us a slide show of WPI old and new. Dan O'Grady, the Master of Ceremonies, read several letters from people in the class who could not attend for one reason or another. I announced that we had 100 living members out of a graduating class of 141; 76 members had contributed to our Fund; \$15,000.00 had been raised during 1970-77; and, \$39,677.55 was raised in the last three years. We also had matching gifts to the College of \$3,061.25 and \$9,684.00 in Dana matching funds. So our total effort was \$67,422.80. (Actually, a late gift of \$1,224.38 has arrived, so our total is now \$68,647.18.)

The class voted that the College use our 50th Reunion Gift for the new student lounge area in the renovated Atwater Kent building. A suitable plaque will be put in the room informing all that this room was given by our class.

Gene Center, Class President for the last five years, thanked the various committees for work done





Steve Hebert, '66, presents Gene Center, '30, with the champagne and the Class of 1917 Attendance Cup. As usual, the 50th anniversary class outdid everyone else!

on arranging everything for the reunion. Pete Topelian gave a short talk on working (for money) after age 72.

Charlie Fay, Chairman of the Nominating Committee, presented the following slate for the next five years: President: Dan O'Grady; Vice President: Fran Kennedy; Secretary/Treasurer: Carl Backstrom. Nobody objected, so we were voted in. Once again, the bus was there to take the hotel people back, and our class really enjoyed this means of travel.

Saturday morning at 10:00 A.M., we were voted into the 50-Year Associates group, and we listened to a very interesting talk on energy by Prof. Leslie Wilbur.

Due to the rainy weather on Saturday, our reunion luncheon had to be moved inside to Morgan Hall, rather than the Higgins lawn. After lunch, the Goddard, Taylor, and WPI awards were presented to six people.

Due to the fact we had 42 percent of our living members there, we beat out the class of 1940, so we will have "Class of 1930" inscribed on the large silver attendance cup donated by the class of 1917. The best percentage of returning alumni from a class wins this honor, and also a bottle of champagne.

After the reunion luncheon, about 35 of our group of 75 went to Charlie Fay's home in Sterling, where we celebrated with the champagne. We finished with ham-

burgers, hot dogs, cookies, and coffee, which put everybody in a good frame of mind for their trip home, saying, "See you in five years." Thanks Charlie and Ingrid for opening up your house to us!

The following people were at the reunion:

Mr. & Mrs. Carl W. Backstrom, Mr. & Mrs. Roscoe H. Bowers, Mr. David K. Bragg, Mr. & Mrs. C. Eugene Center, Mr. & Mrs. Joseph H. Coghill, Mr. & Mrs. Charles H. Cole, Mr. & Mrs. William D. Davidson, Mr. & Mrs. Herbert W. Davis, Mr. Edward R. Delano, Mr. & Mrs. Charles R. Fay, Mr. & Mrs. Stanley H. Fillion, Mr. & Mrs. Leland H. Fisler, Mr. Thomas F. Flynn, Mr. & Mrs. Walter H. French, Mr. & Mrs. Albert M. Goodnow, Mr. & Mrs. Carmelo S. Greco, Mr. & Mrs. Allan L. Hall, Mr. Robert

E. Hollick, Mr. & Mrs. Irving Joseph, Mr. & Mrs. Francis E. Kennedy, Mr. & Mrs. Raymond C. Lewis, Prof. & Mrs. William W. Locke, Mr. & Mrs. Percy F. Marsaw, Mr. & Mrs. George A. Marston, Mr. & Mrs. Edward C. Milde, Mr. & Mrs. William J. Newbold, Mr. Daniel F. O'Grady, Mr. & Mrs. Christos Orphanides, Mr. John R. Parker, Mr. Henry A. Pearson, Mr. & Mrs. Fred P. Peters, Mr. & Mrs. Paul E. Reynolds, Mr. & Mrs. Wilson H. Rice, Dr. & Mrs. Philip M. Seal, Mr. & Mrs. George W. Stratton, Dr. & Mrs. Joseph T. Tawter, Mr. & Mrs. Alvin E. Thrower, Mr. Paul J. Topelian, Mr. & Mrs. John H. Wells, Mr. & Mrs. Harold G. Williamson, Mr. Charles L. Wright, and Mr. & Mrs. Arthur Zavarella.

It was a great Reunion!

— Carl W. Backstrom



MIDDLE: Members of the 50-year associates relaxing at the Worcester Country Club.



1913

William Stults writes: "I still drive my 14-year-old car, and will probably spend the summer in North Carolina."

1914

Secretary:
Ellwood N. Hennessy
680 Mechanics Bank Tower
Worcester, MA
01608

The following information was sent to me by the vice president of our class, Earl Hughes. While it is true that his fraternity has been informed of this information, certainly the rest of our class have not, and I am submitting it exactly as it was sent to me.

Earl C. Hughes, '14, 98 Lighthouse Drive, Jupiter Inlet Colony, Florida 33458. Earl received a WPI honorary Doctor of Engineering Award on June 7, 1963, and the WPI Herbert F. Taylor Award on June 7, 1975. He is currently retired and is still married to Mary B. Hughes (54 years). Earl has one daughter, Mrs. Philip A. Peterson, who lives at 350 Salisbury St., Worcester, two sons living in California, and a total of nine grandchildren and two great grandchildren. Earl has enjoyed visits in Florida from President and Mrs. Cranch; Vice President and Mrs. Bolz, who live in Hughes House which he gave to WPI; and also from his very good friend, Tom Denney. Earl writes that he will be 88 in September and is beginning to feel it.

Earl has done a lot for our class and for Worcester Tech. As most people know, he gave his own home to the College. One other thing that is not generally known is that Earl lives in Florida next to the home of Perry Como. Whether Earl gets free beautiful music at home, such as Perry Como gives on television, I do not know.

I had another interesting letter from **Mike Dufault**, our president, and I also spent some more money on the telephone talking to him personally as before. Neither Mike or Chris, his wife, is presently very well, but they get around and occasionally go out to lunch at the Pillar House, which is my favorite eating place in New England.

I also hear from **Eddy Bartlett**, who still lives contentedly alone in Tryon, North Carolina. Last year he said he was very busy raking up an extra crop of leaves.

Tilly and **Al Crandon** and my wife, Dorothy, and I keep in touch every so often with each other by telephone. They are very busy living a social and farming life in their lovely home in Compton, Rhode Island.

1915

The **Frederick Churches** will be celebrating their fiftieth wedding anniversary in October.

1917

Married: Brigadier General **Hermon F. Safford** and Mrs. Annemarie Logsdon on March 15, 1980, in La Jolla, California.

1921

Secretary:
Robert E. Chapman
26 High St
Oakdale, MA
01539

The **Edward Roses** celebrated their 58th wedding anniversary in February.

REUNION

JUNE 1981

Representative
Robert E. Chapman

1925

Secretary
Daniel L. Hussey
81 Whitney Rd.
Short Hills, NJ
07078

John Fitzmaurice of Wellesley, Mass., a retired assistant traffic engineer from the Massachusetts Department of Public Works, is currently a self-employed traffic engineering consultant. . . . **Leonard Sanborn** writes that he is retired, healthy, and has completed three two-year terms in the New Hampshire legislature.

1926

Secretary
Archie J. Horne
1 Hunter Circle
Shrewsbury, MA
01545

Archie Horne spoke on the topic, "Growing Up to Be A Man" at the annual district Men's Communion Breakfast held at the First Church in Sterling, Mass., on March 23rd. He is well known for his talks about land development, management, counseling and consulting. A member of the American Institute of Real Estate Appraisers, he also belongs to the Society of Real Estate Appraisers and the American Right of Way Association.

Armand Paquette writes, "We are celebrating our golden wedding anniversary on June 2, 1980."

REUNION

JUNE 1981

1904

Loyalty to WPI often transcends a generation. Such was the case with the daughter of **Edward C. Perry** who shared his pride of this alma mater with his family as she grew up. Had Miriam been a boy, she might well have followed her father to WPI. Instead, she graduated from Simmons college and entered military service in World War II. She became the first Chief of the U.S. Air Force's Woman Medical Specialists Corps and later retired with the rank of colonel, by then the wife of Lt. Col. Moxie Goll, U.S. Army, now retired. Miriam Perry Goll died in January, 1979, but in her will she left a substantial bequest to WPI in memory of her father. Col. Goll recently visited the campus for the first time to see the college of which his wife often spoke fondly.

1911

An early thesis on wind power, "The Construction and Test of a Windmill Electric Lighting Plant," by the late **Ralph Goddard** has been acquired by the Rio Grande Historical Collections in the New Mexico State University (NMSU) archives. Goddard wrote the thesis while an undergraduate at WPI. He was dean of the NMSU engineering college from 1921 to 1929, until his accidental death in the campus radio station. The current NMSU engineering dean says that the thesis "was an excellent piece of work for that time."

1912

Ruth Taylor, widow of **Herbert Taylor**, was named the 1979 Red Cross Volunteer of the Year for Worcester County.

1927

Secretary
William M. Rauha
4 Whittletree Rd
West Yarmouth, MA
02673

The **Nathan Southwicks** celebrated their 50th wedding anniversary on October 5, 1979.

1928

Secretaries
Gifford T. Cook
Rte. 3 Box 294
Keyes Perry Acres
Harpers Ferry, WV
25425

Theodore J. Englund
70 Eastwood Rd.
Shrewsbury, MA
01545

Since the **Paul Henleys** moved to Spain eight years ago, they've done a lot of traveling. They have journeyed to Belgium, Italy, France, Luxembourg, Germany, Portugal, Morocco, the Canary Islands, Madeira, the Balearic Islands, Monaco, and "many of the wonderful places in Spain." Memorable trips include a cruise from Alicante to Genoa to Tunis on a Dutch ship; a canal barge trip to Carcassonne; a visit to the caves of Altemira (before they were closed); and trips to the Alhambra, Sevilla, and Cordoba. Other points of interest have been the Costa del Sol ("similar to Miami Beach") and Barcelona. "Madrid you can have. The weather is like Cleveland, Ohio."

The town where the Henleys live is on the Costa Blanca, off the beaten tourist path. "An artist's paradise. We have a villa halfway up the mountains against the sea." Fishing and farming are the most prevalent vocations in the area.

"As for the American bases (here), they are more of an advantage to the U.S. than to Spain. Spain managed to stay out of World War I and World War II, and I believe it will stay out of the approaching World War III."

Ralph Lundberg says that he's so busy he wonders how he ever had time to work. He enjoys swimming, hiking, biking, golfing, bowling (two leagues), bocchia, and tennis. He also travels and belongs to three men's clubs. Inga and he like to dance and belong to a club where they dine and dance. About every other year Inga visits her family in Sweden. Ralph has accompanied her on the family trips four times.

1929

Secretary
Holbrook L. Horton
120 W Saddle River Rd.
Saddle River, NJ
07458

Representative
Holbrook L. Horton

Wayne Berry and his wife are tutoring slow learners in the West Side Elementary School near Spring Hill, Fla. Last fall, Wayne taught a course in fundamental economics for adult education at the local high school and used his booklet, "Progress and Poverty" as a textbook. He also teaches Sunday school at the Methodist Church, is a lay speaker, and coaches children's soccer. . . . **Arthur Knight** has returned from a week-long exploratory checkup at Mary Hitchcock Hospital in Hanover, N.H. He resides in Lower Waterford, Vt.

1930

Secretary
Carl W. Backstrom
113 Winifred Ave.
Worcester, MA
01602

Representative
Carl W. Backstrom

John Burt recently moved to Melbourne, Fla., to enjoy retirement. . . . **Joseph Coghill** was robbed at gunpoint at the Centerville Variety Store in Warwick, R.I., in June, but not before he tried to disarm the gunman with his bare hands. When first confronted by the robber, Joe grabbed the barrel of the gun, before it was finally pulled out of his grasp. The gunman demanded money from the cash register. Joe offered the man two tens, but he didn't leave until he got about \$45. . . . **Sherman Dane** is still working in Boston at Welch and Forbes (Fiduciaries and Trustees) and commuting each day from his home in Marshfield, Mass. The Danes have three children: Bob, 27; Chris, 21; and Nancy, 19, a junior at Plymouth (N.H.) State College. "I expect to work full time until Nancy graduates," Sherm writes. "After that, I hope to slow down a bit and semi-retire."

Herb Davis says that he, like **Jim McLoughlin**, collects sand samples. Currently, he has a collection of about 100 samples from around the world. In the 1950's he helped design and test a beach cleaner, and during the testing he discovered that adjustments had to be made to allow for the large variations in sand from beach to beach. The project got him interested in sand collecting. Among his samples are those from the USA, Tahiti, Bora Bora, England, Wales, and Scotland.

Armando "Ed" Greco retired in June 1979. He left May 9th for a two-month trip to Western Europe. This was planned a year ago, so he was unable to attend the 50th. . . . **Jim McLoughlin** was sorry to miss the 50th, but he had just gotten back from

the hospital recovering from an attack of angina. It was one of the few reunions he wasn't able to attend. . . . **Ted Mesh** enjoys his big vegetable garden and his camellias, roses, azaleas, magnolias, and gardenias in Greensboro, N.C. Louise and he live quietly and do no entertaining. Ted does some volunteer interviewing for the Greensboro Urban Ministry and is involved with church projects. His daughter and family live next door and his son and family live in Indianapolis. . . . Mr. and Mrs. **Fred Peters** of Springfield, N.J., were named the recipients of the Archbishop's Award during the annual fund-raising gala held to benefit Catholic Community Services in the Archdiocese of Newark, on April 27th. They are members of St. Rose of Lima Church in Short Hills, where Fred serves as a parish trustee. Peters, who is the former executive vice president of Reinhold Publishers in New York, is a past president of the Heart Institute at St. Michael's Hospital in Newark. He also serves on the advisory council of the Seton Hall University School of Business and on the editorial board of The Advocate, the archdiocesan newspaper. Mrs. Peters, a past officer of the ladies auxiliary at St. Rose of Lima, is a volunteer worker at St. Ann's Villa in Convent Station, a home for retired nuns, and at a nursing home in Totowa operated by the Little Sisters of the Poor. . . . **Phil Seal** has started a three-year term as a town assessor in Gouldsboro, Me. (Prospect Harbor, his home, is part of Gouldsboro.) He has been busy for several months getting all the information together for sending out the bills. Phil says that **Ken Gleason**, '33, has a summer home in his area. . . . **Vern Wade's** grandchildren graduated in June, so graduations kept him from the 50th reunion. He sends regards to all his classmates.

1932

Representative
Howard P. Lekberg
RFD 115 Main St
East Douglas, MA
01516

Paul Nelson was named a co-recipient of the 1979 Outstanding Conservation Farmer Award at the Caledonia Extension Advisory Board and Conservation District meeting held in Danville, Vt., in May. He and Raymond and Donna Nelson have operated Hillside Acres Farm in Barnet following conservation management practices in the use of their woodland. They produced maple syrup from 1300 maple taps. Paul served as town selectman for a number of years.

1934

Secretary
Dwight J. Dwinell
Box 265
Brownington, VT
05860

Representative
Edward R. Markert
1 Elf Hill
South Amherst, MA
01002

Harold Greeney has retired from Sandy Hill Corp., Hudson Falls, N.Y., where he was a sales engineer.

1935

Secretary
Raymond F. Starrett
Continental Country Club
Box 104
Wildwood, FL
32785

Representative
Plummer Wiley
2906 Silver Hill Ave.
Baltimore, MD
21207

Walter Blau, who retired over a year ago, writes, "Can't find the time to do all the things I planned for retirement. Enjoying every minute." He had been with Wallace Silversmiths in Wallingford, Conn., where he was plant engineering manager. . . . **B. Austin Coates** says that he has gone blind, but with extensive surgery and laser treatment his eyesight is coming back slowly. . . . **Phillip Dean** still enjoys skiing several times a week in the winter. In summer, he sails on Long Island Sound or works in his vegetable garden. . . . **Sam Hakam's** son just graduated from Long Beach University.

1937

Secretary
Richard J. Lyman
10 Hillcrest Rd.
Medfield, MA
02052

Representative
Gordon F. Crowther
20 Bates St.
Hartford, CT
06114

Correspondent
Samuel W. Mencow
189 Parker Ave.
Holden, MA
01520

In June, **Allen Benjamin** retired from teaching urban and environmental planning at WPI, although he still may be involved with an occasional course. He expects to do some consulting and writing. His wife, Eleanor, works at Wayland Public Library, but they will take a short trip during her vacation. Meanwhile, they are establishing a "farm" in Wayland. They grow blueberries, strawberries, raspberries, peaches, and pears. During his career, Benjamin was an urban planner in Costa Rica, Nicaragua, El Salvador, and various U.S. cities and towns, as well as a planning engineer for the Massachusetts State Planning Board. Civic-minded, one of his awards was the Distinguished Service Award of the New England Chapter of the American Institute of Planners.



Continuing as a professor in applied physics at Stanford University, **C. Chapin Cutler** says, "We are loving our new life in California, but it is not really relaxing." Recently, he bicycled 68 miles on the Coast Highway. He is active with the IEEE (Fellow), the church, and the Boy Scouts. Earlier, he had been with Bell Labs in New Jersey for 41 years, and retired as director of the Electronic and Computer Systems Research Laboratory. He was involved with "Echo," "Telstar," and the Picturephone computer applications, and was awarded over 70 patents. A member of the National Academy of Engineering, he also belongs to the National Academy of Sciences, AAAS, and Sigma Xi. WPI awarded him an honorary doctorate.

Wesley Holbrook retired in February as safety engineer in the technical support section of the Boston regional office of the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). Recently, he and Betty got together with Dot and **Bob Powers** on their way back from Florida. Last year, Holbrook taught a course in industrial safety one night a week at Northeastern, and expects to teach again this year. "The students are all from industry — and striving to obtain a degree the hard way by going to school nights," he explains. He hopes to do some consulting on fire protection and safety engineering. During his career, he had advised industrial firms and building contractors on fire protection and safety standards and requirements. . . . **A. Hallier Johnson** is still retired, and shooting, hunting, and boating. He lives in Chesapeake City, Md., on the Elk River.

David La Field serves as president of Shipyard Crafts in San Lorenzo, Calif. . . . The **Dick Lyman's** are visiting China this summer. Dick says, "Have always wanted to know whether you drink or chew bird's nest soup!" In a year he expects to retire, but presently is vice president and director of personnel at New England Electric. . . . **Billings Mann** of George Mann & Co., Inc., Providence, R.I., has retired. He was president and director of the firm. . . . **Francis Marchand** is keeping busy with the Visiting Nurse Association and a social service agency in Torrington, Conn. He is retired, has five grandchildren, and enjoys sailing and tennis.

A. Hamilton Powell has returned from a 6-week volunteer stint in Kenya (near Nairobi) with the Africa Inland Mission. He planned and installed the electrical system in the 56' x 90' shop that the technical services branch of the mission is constructing. From the new building, technically trained personnel will go out to build houses, water projects, and electrical systems for the 450 missionaries across central Africa.

1938

Representative
Francis B. Swenson
599 Common St.
Walpole, MA
02081

Paul Murphy, a consultant for GE in San Jose, Calif., is now retired and living in Anacortes, Washington. . . . **Henry Ritz**, president of R&R Plumbing Supply Corp., Worcester, was recently elected president of the Association of the Plumbing and Heating Wholesalers of New England. He has served as president and treasurer of R&R Plumbing for 42 years. He holds a degree from Northeastern and took a management course at the Harvard School of Business Administration. Active in fraternal and civic groups, Ritz has also served as vice president and director of the New England Wholesalers Association.

1939

Secretary
Charles H. Amidon, Jr.
636 Salisbury St.
Holden, MA
01520

Representative
C. John Lindegren, Jr.
21 Prospect St.
Shrewsbury, MA
01545

Roger Iffland retired May 1st. from the Torrington Co., where he had been chief of mechanical engineering. . . . **Carl Lewin**, a WPI trustee, has been appointed manager of the Melbourne, Australia, office of Austin-Anderson Pty. Ltd., the Australian subsidiary of the Austin Company, international designers and builders. He joined the firm in 1940 as a field engineer in Austin's Eastern District. Later, he moved into sales, and in 1965, he was appointed sales manager for Austin's international companies. In 1975, he was elected a corporate officer of the company, maintaining his worldwide sales responsibilities as vice president for international sales and development.

He belongs to the ASCE, the Cleveland Engineering Society, the American Management Association, and Tau Beta Pi. The Lewins are moving to Australia from Detroit, where Lewin has been responsible for the operations of the Detroit office of the Austin Company.

I940

Secretary:
Robert E. Dunklee, Jr.
Rocky Hill Rd
North Scituate, R.I.
02857

Representative:
Russell A. Lovell, Jr.
Jonathan Lane
Sandwich, MA
02563

Honeywell, Inc., Minneapolis, has named **Willard Gove** vice president of corporate real estate and field administration. In his new post, he is responsible for corporate real estate operations and the administrative functions in Honeywell's U.S. branch sales and service offices. Since 1978, Gove has been director of corporate real estate and field administration. In 1951, he joined Honeywell's Commercial Division as a sales representative in Boston, and two years later he became a marketing manager. He has also been manager of markets and products and director of corporate field administration. . . . **P. Warren Keating**, chairman of the board and treasurer of the P. J. Keating Co., Fitchburg, Mass., has been elected to the Burbank Hospital Board of Trustees. . . . **Zareh Martin**, an aircraft instruments engineer at GE in Wilmington, Mass., also teaches evening courses in management at Northeastern. He is a member of the Nahant School Committee.

I942

Representative:
Norman A. Wilson
17 Cranbrook Dr
Holden, MA
01520

McGraw-Hill is publishing Dr. **Frank Bodurtha's** book, *Industrial Explosion Prevention and Protection*. The book is concerned with the principles and practice of explosion control in the chemical and allied fields. Dr. Bodurtha, who has been with du Pont for 27 years, is now a principal consultant in the engineering department. . . . **Win Munyon** works for Whitman & Ransom in New York City. . . . In April, **Rodney Paige** was named vice president of corporate engineering at Pfizer, Inc., New York City. He had been director of construction and plant services. He joined the Groton plant in 1951, and transferred to corporate engineering in 1964 as assistant director of engineering. He is a licensed professional engineer in New York and Connecticut. The brother of "**Hilly**" **Paige**, '41, he is also a member of the Steering Committee for the Class of 1942's 40th reunion gift program. . . . Dr. **Ray Wynkoop**, formerly director of the corporate research department at Sun Oil Co., has retired.

I943

Representative:
Robert S. Schedrin
RFD #1
Brookfield, MA
01506

Richard Bonnet has retired from AVTEX Fibers after 32 years of service. . . . **Harry Merkel** holds the post of president of Mercury Company of Norwood, Inc., which is now located in Brockton, Mass. The firm is a subsidiary of Fischbach and Moore, Inc. . . . **Frank Szel** took early retirement from Dow Chemical, and is presently residing in Sun City West, Arizona.

I944

Secretary:
John G. Underhill
6706 Barkworth Dr.
Dallas, TX
75248

Representative:
Harrison E. Holbrook, Jr.
Holbrook Drop Forge, Inc.
40 Rockdale St.
Worcester, MA
01606

John Underhill is currently distribution coordinator for the western marketing region of Exxon Company, U.S.A., in Dallas, Texas.

I945

Representative:
Robert E. Scott
Indian Hill Rd.
Little Compton, RI
02837

James Breed writes from Richland, Washington: "So far, only a slight dusting from Mt. St. Helens, but many friends were caught further north in the thick of the dust." . . . **Burt Hinman** is currently vice president of Varco with responsibilities for international operations, purchasing, R&D, and the manufacturing of equipment for sorting and coating forms which Varco manufactures. The company manufactures forms for all purposes, including those for computer printing and machine reading. . . . **Ed Swanson** is "unloading" a big house for a smaller one with more land. He likes gardening and finds Washington an increasingly interesting place to be.

I946

Secretaries:
M. Daniel Lacedonia
106 Ridge Rd.
East Longmeadow, MA
01028

REUNION

JUNE 1981

George H. Conley, Jr.
213 Stevens Dr.
Pittsburgh, PA
15236

Judge **Ernest Hayeck** has been elected to membership in the American Antiquarian Society, which is headquartered in Worcester. He is a justice in the Commonwealth of

Massachusetts Trial Court, District Court Department, Central Worcester Division. The AAS is the first historical society that has national collections and serves scholars and researchers worldwide. The library holds examples of over 2/3 of all American material printed before 1821 and its collection covers material up through 1876.

In February, the Rev. **John Knibb, Jr.**, was elected president of the Virginia Christian Ministers Conference (Disciples of Christ). He has been pastor of the Hampton (Va.) Christian Church since 1967. . . . Currently, **Jack Laffey** serves as vice president of marketing for worldwide major accounts at Clark Equipment Corporate Headquarters in Benton Harbor, Mich. He travels a great deal and is responsible for the full Clark product line to major accounts. The product line covers construction equipment including loaders, scrapers, cranes, graders, and skimmers.

Thomas Lempges has been named to the newly-created post of vice president of nuclear generation by the Niagara Mohawk Power Corp., Syracuse, N.Y. Previously, he was head of nuclear generation. In 1949, he joined the firm at the Dunkirk steam station. A total of 22 years of his experience has been in nuclear generation. He was concerned with the Enrico Fermi fast breeder reactor in Michigan, a jointly sponsored reactor project in Vallecitos, Calif., the design and supervision of Nine-Mile Point and the functions of the FitzPatrick plant. He is a licensed professional engineer.

Donald Nichols has retired. Formerly, he was associate technical director of engineering and technical supply at Naval Underwater Systems Center, New London, Conn.

I947

Representative:
Allan Glazer
20 Monadnock Dr.
Shrewsbury, MA
01545

Norman Feldman holds the post of vice president of operations at The Three Phoenix Co., Phoenix, Arizona.

I948

Secretary:
Paul E. Evans
69 Clairmont St
Longmeadow, MA
01106

Representative:
James G. McKernan
516 Brook Forest Ln
Charlotte, NC
28211

Thomas Hess is director of engineering for fuel injection equipment at Stanadyne/Hartford Division of Roosa Master. . . . **Richard Horne** continues with Cincinnati Milacron Co., and is presently regional administrator in St. Louis, Mo. . . . **Gordon Keller** writes that he is retired from AVCO

and is "messaging around with solar do-it-yourself to keep in touch with the engineering philosophy." Recently he participated in a Total Environmental Action Seminar in Harrisville, N.H. . . . **Arne Kellstrom** is leaving New Jersey this summer for Houston, Texas, where Ingersoll Rand is setting up new headquarters for the Gas Compression Group. He has been with the company for 32 years, and is now vice president of product management, a post related to all oil field and process industry products.

Daniel Sheingold edited *Transducer Interfacing Handbook* (a Guide to Analog Signal Conditioning), which was recently published by Analog Devices, Inc., of Norwood, Mass. The manager of technical marketing at Analog Devices, Inc., Sheingold is also editor of "Analog Dialogue." In the course of a long career in analog computing and data-acquisition, his major publications include the *Analog Devices' Analog-Digital Conversion Handbook*, and *Nonlinear Circuits Handbook*, and earlier, the *Philbrick Applications Manual for Operational Amplifiers*, and *The Lightning Empiricist*.

1949

Secretary:
Howard J. Green
1 Kenilworth Rd
Worcester, MA
01602

Representative:
Sidney Madwed
215 Crest Terrace
Fairfield, CT
06432

Dean Amidon, commissioner of the Massachusetts Department of Public Works, was named one of the top ten Public Works Leaders-Of-The-Year during the observance of National Public Works Week in May. He directs 4,500 DPW employees and is responsible for an operating budget of \$100 million. He originated a useful life replacement schedule for DPW equipment to increase efficiency and reduce maintenance costs and has developed a caravan/masspool program to assist private firms in the development of commuter van and car pools for their employees. Under Amidon's direction, the DPW had surpassed its goal of advertising \$200 million of various types of construction projects for the first time in history, and has streamlined operations to operate more efficiently with available resources.

Phil Buffinton continues as chief operating officer for State Farm Fire & Casualty Co. and State Farm General Insurance Co., wholly-owned subsidiaries of State Farm Mutual. He serves on the board of directors of both subsidiaries. Since his companies are among the largest writers of homeowners insurance, he is very interested in construction standards, windstorm resistance, and arson detection. He belongs to the American Academy of Actuaries and the Casualty Actuarial Society. . . . **Richard Hawie** has retired. . . . **Bill Julian** has acquired a Vermont real estate license and

plans to sell some condominiums and lots at Burke Mt. . . . **Daniel McQuillan** serves as a broker for South Coast Realty, Mattapoisett, Mass. He is also a general management consultant doing business under the name of McQuillan Associates.

Edward Randall was elected a director of Morgan Construction Co., Worcester, and was simultaneously promoted to vice president of rolling mill engineering administration and purchasing. Since 1954, he has been with the company, which he has served as vice president, project administration and purchasing. He belongs to the ASME and is a director of the Purchasing Management Association of Worcester.

1950

Secretary:
Lester J. Reynolds, Jr.
15 Cherry Lane
Basking Ridge, NJ
07920

Representative:
Henry S. Coe, Jr.
3 Harwick Rd
Wakefield, MA
01880

Dan Harrington, Jr., president of Sunnyside Motor Co., has been reelected a library trustee in the town of Holden, Mass. . . .

Kenneth Muccino, an employee of Peter Paul Cadbury in Naugatuck (Conn.) since 1957, is currently director of engineering. He has two sons: Kenneth '73, who works for Northeast Utilities in Berlin, Conn., and Keith, a second-year medical resident at St. Francis Hospital in Hartford. . . . **James**

O'Connor holds the post of program manager at Hazeltine Corp., Greenlawn, N.Y. Presently, he is working on a NATO E-3A program at Siemens for Hazeltine. . . .

Charles Seaver is an energy conservation engineer at Ball State University in Muncie, Indiana.

During the past ten years, some 6,000 people have settled in Guilford, Conn., most of them in subdivisions engineered by **Russell Waldo** and Associates. (Waldo's son, Jonathan, '78, is with the firm.) The Waldo company has also handled the engineering end of nearly 80% of the town's residential and commercial development, and about 1/3 of Madison's (Conn.), as well as numerous jobs along the shoreline. A self-described conservationist, Waldo likes to build multi-family housing projects to save energy and keep land open. He also likes to provide affordable modern rental housing, and points out that 40% of the residents of the apartments in his Strawberry Hill complex are retired.

Philip Wild has been elected a director by the board of directors at Stone & Webster Engineering Corporation. He was also appointed director of engineering. In his new post, Wild is responsible for engineering in the firm's Boston headquarters, as well as engineering and design throughout the international corporation. A vice president since 1972, during his 24 years with the company, he has engineered and designed major power projects, headed the

marketing department, and most recently has held the post of senior engineering manager. Wild, a professional engineer, belongs to the U.S. Committee of the International Commission on Large Dams and the International Society of Soil Mechanics and Foundation Engineering. He is also a member of the ASCE and holds a master's degree from Princeton. He is a town meeting member in Walpole, Mass.

1951 REUNION

JUNE 1981

Secretary:
Stanley L. Miller
11 Ashwood Rd.
Paxton, MA
01612

Representative:
Duncan W. Munro
59 Brigham St
Northboro, MA
01532

Capt. Ralph Auerbach, Jr., Civil Engineer Corps, U.S. Army, retired on July 1st following 26 years of Navy service. His final assignment was as executive officer of the Western Division, Naval Facilities Command, San Bruno, Calif. This fall he will enter the DBA program at Florida State. . . . **Leo Lemere** has transferred to The Badger Co., Inc., as vice president of project controls. . . . **Jack Reid's** company, Diversified Metals Products, which he headed as president, recently merged with Koch Engineering Company, Inc., Fairfield, N.J. Currently, he holds the post of general manager of the Divmet Division at Koch.

1952

Secretary:
Edward G. Samolis
580 Roberts Ave.
Syracuse, NY
13207

Representative:
John M. Tracy
15 School St
Northboro, MA
01532

Lee Tuomenoksa, executive director of the Data Communications Division of Bell Labs, has been elected a fellow of IEEE. He was cited for his "contributions to the development of telephone electronic switching systems."

1953

Secretary:
Dr. David S. Jenney
109 Wilbrook Rd
Stratford, CT
06497

Representative:
George T. Abbow
35 Forest Glen
West Springfield, MA
01089

►**Married:** **Daniel W. Furman** and Marcia Brandwein on May 4, 1980, in New York. Mrs. Furman graduated from Pratt Institute. She is director of styling for M. Lowenstein and Sons in New York City. The groom, who has an industrial engineering degree from Columbia, is in business in the U.S. Virgin Islands.

Dave Beach is still with Kodak, now working in the medical products field as program manager for automatic blood analyzers. Two of the four Beach children are through college (St. Lawrence and Russell Sage), and the third is at Michigan. The youngest is in high school. Dave stays active with a "strong bug" for ski racing. He has entered the New York State Senior Race Circuit and won his age group in '78 and was second in '79. This year he raced on the women's Olympic downhill course at Whiteface Mt. in the Senior Nationals. Among Dave's other interests are the Ski Patrol and tennis. Last year, he reached the semi-finals in the Rochester Senior (tennis) Districts.

Tom Bellew celebrated his 27th year with IBM in June. Currently, he is a staff engineer in packaging and distribution of large scale computer systems. Daughter Diane is a teacher; Lynne, a speech therapist; and Jody, a college graduate. David continues at Clarkson. Tom has served as an officer and/or chief of the Hyde Park (NY) Volunteer Fire Department for over 20 years. He and his family enjoy downhill skiing. Recently Tom completed his 20th year as secretary-treasurer of his 10-pin bowling club.

Mike Cariglia is presently an engineering analyst with New England Power in Westboro, Mass. He says that a WPI/NEES Corporate Contacts Program has been set up for the purpose of keeping WPI alumni-employees informed about activities taking place at WPI.

Ed Diamond writes from Cutchogue, N.Y., that he's working on electronic warfare systems for Grumman on almost a 60-hour week. He reports, "It's almost fun, something like working out puzzles all the time. We are not far from the Star Wars concepts." The Diamonds have four children aged one to twelve. Ed and the oldest enjoy sailing on Peconic Bay. Ed's "checked career" includes a tour as a project engineer on Ranger at NASA, design of a solar system for an energy house for Grumman, and a spare time stint as editor of "Mensa." He says that he considered working in energy as a career, but came to his senses in time.

Ed should compare notes with **Dave Elovitz**, whose letterhead carries the logo, Energy Economics. (Dave's new business venture was outlined in the winter *Journal*.) He writes that his consulting business is busier than he ever intended. With the three Elovitz offspring through college, his wife, Franny, is more free to travel with him when his consulting takes him to interesting places like Guam and Truk. Their son, Ken, a materials science graduate of Lehigh, is a process engineer at Texas Instruments in Attleboro. Daughter Sara went to Syracuse and Curry and teaches multiply handicapped children at Little Peoples School in Newton. She also does some typing for her dad. Gary just graduated from Dartmouth and is in

graduate school in Israel. Although the senior Elovitzes are involved with Dave's business, they still sing in the Temple choir, and Franny helped with the Sisterhood cookbook fund-raising project. Dave has finished a chapter for a McGraw-Hill handbook, and is writing a magazine article on ventilation for *Plant Engineering*. He teaches seminars, sails, and is involved with the American Field Service. His AEPi roommate, **Arthur Shepard**, lives right around the corner from him.

Your secretary, **Dave Jenney**, proudly reports he finished his fourth Boston Marathon in April with a closing "sprint" to break three hours by ten seconds — good for 1536th place. . . . **H. G. Stanton** is the controller for DiEugenio Tool Center, Inc., Phoenix, Ariz. After retiring from the USAF in 1972 as a lieutenant colonel, he was an industrial engineer with Black and Decker Corp. (McCulloch Corp., Lake Havasu, Ariz.). Recently, Stan was an honor student at Arizona State University and graduated with a BS in accounting.

Wildt, who holds a diploma in structural engineering from the Imperial College, University of London, England, belongs to the ASCE, American Concrete Institute, National Fire Protection Association, and the American Society for Testing and Materials. He is a registered professional engineer in Massachusetts.

1955

Secretary:
Kenneth L. Wakeen
344 Waterville Rd.
Avon, CT
06001

Representative:
Edouard S. P. Bouvier
123 Beechwoods Dr
Madison, CT
06443

Raynald LeMieux holds the post of manager of licensing sales at Atlantic Richfield Company, Philadelphia. . . . At the present time, **Richard Lucey** is president of Intrex, Reading, Mass. . . . **Donald McNamara** is the president at Tara Chemical Co., Pittsburgh, Pa.

1954

Secretary:
Roger R. Osell
18 Eliot Rd.
Lexington, MA
02173

Representative:
Edwin Shivel
64 Woodland Dr
Portsmouth, RI
02871

Neil Gleberman has been appointed manager of operations for the chemical division of Koppers Co. He supervises and directs operations at plants located in Bridgeville, Oil City, and Petrolia, Pa., and Chicago, Ill. . . . **Douglas MacLaren** was recently promoted to plant engineer at the Torrington Company (Heavy Bearings) in South Bend, Ind. He joined the firm in 1954 and went to South Bend in 1974 as assistant sales manager. Later, he was named sales manager for several domestic sales offices. . . . **Milton Meckler's** firm, the Meckler Energy Group, has begun a complete survey of the air conditioning systems at the Naval Air Station at Lemoore, Calif. Twenty-nine major buildings are involved.

The sales engineering division of Bethlehem Steel Corporation's sales department has appointed **Roger Wildt** to the newly created post of project manager. Formerly a structural consultant, Wildt will have responsibilities in the area of new products, particularly the coordination of interdepartmental market development teams. He will continue serving Bethlehem and the steel industry in the fields of building codes and structural fire protection. Prior to starting at Bethlehem Steel in 1960, he was an associate professor of civil engineering at WPI. From 1963 to 1967 he served the steel company as an assistant research engineer. In 1967, he was transferred to the engineering department. Two years later he was named a structural consultant in the sales engineering division.

1956

Secretary:
Rev. Paul D. Schoonmaker
325 North Lewis Rd.
Royersford, PA
19568

REUNION JUNE 1981

Representative:
John M. McHugh
431 Beacon Hill Dr
Cheshire, CT
06410

Donald Behringer was elected as a one-year member of the Ashburnham (Mass.) Municipal Light Board last spring. He is a senior engineer at GE in Fitchburg, Mass. . . . **Robert Farrar** has been elected to the board of directors of the Keene (N.H.) Co-operative Bank. He is president of Frederick A. Farrar, Inc., and Farrar Engineering, Inc., and vice president of P.B. Alford Associates, a snowmaking consulting engineering firm. Before returning to Keene to join his father, **Frederick A. Farrar**, '31, in the electrical repair, sales, and service business, Farrar worked as a design engineer for Westinghouse. He and his wife, Jeananne, have four children. . . . **Norman Fischer** holds the post of associate director at Vanderbilt University in Nashville, Tenn.

Prof. **Raymond Hagglund** of the WPI mechanical engineering department was the featured speaker at an ASME meeting held at the Old Mill in Westminster, Mass., in May. His topic was "Products Liability in Engineering." . . . Still with Ebasco Overseas Corp., **Charles Healy** is now residing in San Juan, Puerto Rico. . . . **Anthony Scancelli** serves as plant manager for du Pont in South San Francisco, Calif.

1957

Secretary:
Dr Robert A. Yates
11 Oak Ridge Dr
Bethany, CT
06525

Representative:
Alex C. Papanou
15 Birch Tree Rd
Foxboro, MA
02035

John Braley is national account manager at Information Handling Services in Dallas, Texas. . . . **Audrey Carlan**, a professor at Southwest College in Los Angeles, currently serves as chairman of the mathematics department. . . . **Thomas Kohanski** has been doing design work on submarines for over 20 years. He was with Electric Boat from 1959 to 1968 and with Mare Island Naval Shipyard since. Tom and Ellie's children are: Karen, 21, a student at the University of California-Davis; Tim, 19, at the University of California-Berkeley; and Mark, 17, a high school senior.

Wilson Sellar holds the position of president at R&M Stampings, Inc., Westboro, Mass. . . . **Carl Uretsky** is employed as regional manager at Unitrode Corp., Dallas, Texas.

1958

Secretary:
Harry R. Rydstrom
132 Sugartown Rd.
Devon, PA
19333

Last October, **Jasper Freese** sold his business to Otto & Culver of Storm Lake, Iowa. Currently, Freese works as manager of the Greeley, Colo., office of the architectural-engineering firm. . . . **Stewart Gentsch** continues with Rexnord, and is now president of the Roller Chain Division in Springfield, Mass. . . . **David Helman** holds the post of vice president of administration at Institutes of Medical Sciences, San Francisco. He has an MS in management from RPI.

William Hopf, vice president and general manager of Walworth Co., has received the "Man-of-the-Year Award" from the Valve Manufacturers' Association. His award read in part: "William H. Hopf — for years of meritorious service to the valve industry." . . . Presently, **Sheldon Kesslen** serves as plant manager at Alton Shoe Co., a division of Shaer Shoe, Inc. . . . **Douglas Todd** was co-author of "A Mechanism for the Development and Use of Synthetic Fuels" which appeared in the April 24th issue of *Public Utilities Fortnightly*. He is manager of steam and gas for power generation business development, gas turbine marketing department, at GE in Schenectady, N.Y. He joined GE in 1966 and has worked in heat transfer products and the medium steam turbine and gas turbine division. Earlier, he was with Alco Products, Inc., in nuclear, petrochemical and utility services. . . . **Richard Wiinikainen** is presently a sales repre-

sentative at Metropolitan Life in West Palm Beach, Fla. He is also a realtor-associate at New Era Realty II Corp.

1959

Secretary:
Dr Frederick H. Lutz, Jr.
110 Camelot Court NW
Blacksburg, VA
24060

Representative:
Dr Joseph D. Bronzino
Trinity College
Summit St.
Hartford, CT
06106

Burnham Baker holds the position of president at PenCept, Inc., in Waltham, Mass. . . . **Frederick Costello** was promoted to vice president of sales for the ethylene oxide derivatives division of Union Carbide Corp. and is now headquartered in Moorestown, N.J. He began work as a sales trainee in New York for the company following graduation. He was advanced through the chemical field sales organization and was named district sales manager in St. Louis, Mo. In 1971, he was named market sales manager in New York. Later, he became the EOD division director of sales in Moorestown. The Costellos and their three daughters and three sons live in Moorestown.

Wayne Gass continues as director of physical facilities and assistant business manager at Mount Holyoke College. He is responsible for 800 acres and 100 buildings, including 50 major structures and 40 faculty houses. He directs a corps of 250 people whose talents include pruning, carpentry, and cooking. With the college since the early 1960's, Wayne has seen the campus expand considerably with a number of new buildings being built and older ones being renovated. In the 1970's, the school caught its breath with reduced building activity, and in the 1980's is looking ahead to energy conservation. Says Gass, "It's the route we have to walk." He holds an MS from MIT and is active with the Holyoke Rotary Club's Foreign Student Program.

Michael Hertzberg, president of Michael A. Hertzberg Consulting Engineers, Inc., Waitsfield, VT, was recently elected vice president of the American Consulting Engineers Council (ACEC) for 1980-82. The Council represents 3,600 independent engineering firms. Previously, Hertzberg served as a member of the ACEC Engineering Education and Scholarships Committee, the Business Practices Committee, the Interprofessional Committee, the AIA-ACEC Liaison Committee, and the Planning Cabinet.

His own firm, established in 1967, specializes in mechanical, electrical, alternative energy and energy conservation engineering services. Formerly, he had been president and national director of ACEC-Vermont and had held posts in three companies. In 1978, Hertzberg received an ACEC-Vermont engineering excellence honorable mention for the mechanical en-

gineering design of the Vermont State Hospital in Waterbury. He has studied at NYU, CCNY, and the University of Illinois. A member of the National (and Vermont) Society of Professional Engineers, he also belongs to the American Society of Heating, Refrigerating, and Air Conditioning Engineers.

Norman Monks serves as division operations manager at Rexnord. . . . Still with the Army Corps of Engineers, **Leo Price** continues his involvement with the construction of two airbases in Israel. He expects to be back in the U.S. next year. . . . **Phil Puddington** has joined P.T. Brake Lining Co., Inc., Lawrence, Mass. He is a member of the WPI Fund Board.

1960

Secretary:
Paul W. Bayliss
170 Wyngate Dr
Barrington, IL
60010

Representative:
John W. Biddle
78 Highland St.
Holden, MA
01520

Still with IBM, **William Firla** is now senior market support center representative in the Data Processing Division, Waltham, Mass. . . . **Paul Honer** is employed as marketing and sales manager at Kennedy Engineering Co., Tulsa, Okla. He is an ordained deacon in the Tulsa Diocese of the Catholic Church, assigned to St. Ann's in Broken Arrow. He and his wife, Ruthann, have two children. . . . **Irwin Jacobs** is vice president of the commercial OEM group at Digital Equipment Corp., Maynard, Mass. . . . **Robert Kandall** holds the post of commercial vice president at Pullman-Kellogg, Hackensack, N.J.

Continuing with Polaroid, **Richard Loring** is presently a senior manager of technical manufacturing in the film division, in Waltham, Mass. His wife, Pat, is active in the Massachusetts Association of Conservation Commission and serves as chairwoman of the Town of Westford Conservation Commission. The Loring's have two children in high school.

Kenneth Matson was named vice president of the Public Service Electric & Gas Research Corporation, where he began as a cadet engineer in 1960 in New Jersey. He has an MBA from Rider College and attended the program for management development at Harvard Graduate School of Business. He is married and has four children. . . . Formerly a field sales manager for the Rubber Chemicals Division of Monsanto Co., **Harry Ray** is now plant manager of the Detergents and Phosphates Division, Monsanto, in Trenton, Mich. Son Tim is a student at Cornell; Kevin a high school student; and Susan is in elementary school.

David Willard, a group leader at the Mitre Corporation, Bedford, Mass., has been awarded a patent as co-inventor of a digital bus communications system. The device is a time-division multiple-access communications system that includes a number of terminals coupled to a common signal path or "bus." It operates more than seven times faster than an earlier version developed at the system engineering firm, for which Willard had previously received a patent. With Mitre since 1960, he had also been associated with Crompton & Knowles, and had served as an independent consultant. He has a BS from the University of Vermont and a master's from WPI.

Bradford Cushing has been promoted to manager of engineering design at Weston Designers-Consultants. He is responsible for all design activities in the engineering and construction management division. With Weston since 1975, he was a project engineer and project manager, and has had 13 years of experience in the industrial and municipal markets. During his career, he has also been with Enviroengineering, Inc., and GE's Knolls Atomic Power Laboratory. Weston is a 500-person international environmental energy design-consulting organization headquartered in West Chester, Pa. . . . **Richard Davis**, who holds an MBA from Pepperdine University, Los Angeles, presently serves as manager of strategic planning for the military products group at Intel Corp. in Santa Clara, Calif.

1961 REUNION

JUNE 1981

Secretary:
John J. Gabarro
8 Monadnock Rd
Arlington, MA
02174

Henry "Hank" Alessio is presently a vice president and member of the board of directors of Hayes/Hill Incorporated, New York. He had been with William E. Hill & Company for over ten years before it merged with Robert H. Hayes and Associates in 1979. He holds an MS in management from RPI. Prior to joining Hill, he was with New York Telephone and Geon International. Hayes/Hill is an international management consulting firm.

Roger Borden, associate professor of mechanical engineering at WPI, is taking a one-year leave of absence from his teaching duties to join other top engineers from around the world to "shape the vehicle of the 1980's." In June, he left for Boston to work with the U.S. Department of Transportation's Transportation Systems Center. Says Roger, "The car of the 80's will be practical, not a thing of beauty. It is certainly going to have to last a lot longer than our present cars, since it will undoubtedly cost a good deal more." He expects that the biggest change in automobiles will be a move away from metals as the primary material for car bodies. "Metals corrode, are heavy, and cut down on mileage." He believes there will be a switch in the industry from metals to composite materials or plastics, and that the use of the diesel and gas turbine engines will be more widespread. Along with the advances in auto construction, Borden envisions the growth of mass transit as one of the better hopes in solving our transportation problems.

James Dunn is president of Dunn Engineering Co., Inc., Foxboro, Mass. . . . **Daniel Geller** works as a senior environmental consultant with the Maryland Environmental Service in Annapolis. He and his wife, Susan, and two children live in Alexandria, Va. . . . **Allen Johnson** holds the post of district sales manager at Lambda Semiconductor in Tampa, Fla. . . . **G. Leonard Johnson** was recently promoted to director of generation engineering at Northeast Utilities (NU). Previously, he was director of reliability engineering and quality assurance. In 1961, Johnson joined the Hartford Electric Light Company. In 1966, he transferred to NU. From 1968 to 1975, he was project engineer and acting project manager for Millstone II. Johnson belongs to NU's Nuclear Speakers' Bureau, the ASME, and the American Nuclear Society. He is a registered professional engineer in Connecticut. He, his wife, Lauretta, and son and daughter live in Glastonbury.

Stephen Klein is a senior staff scientist at Science Applications, Inc., La Jolla, Calif. . . . Still with Malcolm Pirnie, Inc., **Peter Kuniholm** is now resident project manager for the environmental consulting firm in Cairo, Egypt. He is concerned with wastewater systems rehabilitation and expansion in the Suez Canal region, including the cities of Port Said, Ismailia, and Suez. . . . **Merrill Rutman** continues as an electronics engineer for U.S. Army CERCOM, Ft. Monmouth, NJ. . . . **Conrad Matuzek** has been honored by New England Telephone Co. for his sales achievements. He is recognized by the company for doing an outstanding job developing his segment of the business market for 1979. Matuzek received a personalized plaque from the company president, and was named a member of the New England Telephone President's Club. The club is comprised of top sales performers in each company division. Matuzek is marketing manager in Waltham. His organization is responsible for electronic and electrical industries in the five-state area served by the company. . . . Currently, **Charles Mello** serves as plant engineer at Coppus Engineering in Worcester.

1962

Secretary:
Harry T. Rapelje
1313 Parma Hilton Rd
Hilton, NY
14468

Representative:
Richard J. DiBuono
44 Lambert Circle
Marlboro, MA
01752

Robert Cassanelli has been promoted to laboratory manager of the General Foods plant in Dover, Delaware. Since 1974, he has been managing the starch and instant pudding programs at Dover. He started with the firm in 1964 in the Tarrytown (N.Y.) technical center. He holds an advanced degree in food science from the University of Massachusetts. . . . Dr. **Keyren Cotter** is assistant director at the Center for Fracture Mechanics at Washington University in St. Louis, Mo. . . . **Paul Cultrera** serves as director of the Cooperative Education and Placement Department at Manatee Junior College, Bradenton, Fla. . . . **Arthur Dobreski** is employed as a facilities operations manager at the Signetics Division of U.S. Phillips in Sunnyvale, Calif. The Dobreskis have three children. . . . **John Rupprecht** is a president at Sullair Corp., Michigan City, Indiana.

1963

Secretary:
Robert E. Maynard, Jr
8 Institute Rd.
North Grafton, MA
01536

Representative:
Joseph J. Mielinski, Jr
34 Pioneer Rd.
Holden, MA
01520

Albert Brodeur is employed as manager of engineering computing at Pratt & Whitney, West Palm Beach, Fla. . . . Dr. **Robert Desmond, P.E.**, former head of the mechanical engineering department at Rochester (N.Y.) Institute of Technology (RIT), has been named director of RIT's new Institute for Applied Energy Studies. He will be responsible for the institute's energy research and development programs, including a \$483,089 federal grant to reduce energy consumption on the Rochester campus. The new institute will conduct research and development programs in applied energy for the private industrial sector and study alternative sources of energy. Energy House, a solar powered energy efficient home built through cooperative efforts, will come under the authority of the institute. Dr. Desmond was appointed to the directorship because of his extensive experience in energy research. He has taught at RIT since 1970, and he served as a consultant to the Swedish State Power Board while on sabbatical leave in 1976 and 1977. He belongs to Pi Tau Sigma, Sigma Xi, ASME, Rochester Engineering Society, and ASEE, among other societies. He has a PhD from the University of Minnesota. The Desmonds live in Lima, N.Y.

In May, Dr. **Allen Hoffman**, associate professor of mechanical engineering at WPI, was selected as the WPI Outstanding Teacher of 1980. He received a \$1,000 award and a citation from the college trustees. He holds a PhD from the University of Colorado. In 1964, he joined the WPI faculty as a teaching assistant. His professional interests are in vibrations, fluid mechanics, biomechanics, and the environment, including pollution abatement of Lake Quinsigamond. Since his student days as a co-captain of track and cross country, he has maintained his interest in running and has entered many races, including the Boston Marathon.

Presently, **Russell Hokanson** serves as area supervisor at du Pont's Savannah River plant in the reactor department. "I am still trying to qualify for the Boston Marathon. It will be a little easier now since I'll be 40 at the time of the next race." . . . Dr. **Richard Iacobucci's** firm, Roctronics Entertainment Lighting, Inc., recently developed a new light dimming package that can control up to 9000 watts of power without creating excessive interference with sound systems nearby. It makes life easier for touring performers because the dimmer pack can be hung at the top of lighting towers adjacent to the lighting fixtures. . . . **Joe Mielinski, Jr.**, operations manager at WPI's Alden Research Laboratory, has been elected to a three-year term on the Holden (Mass.) School Committee.

The Power Systems Group of Combustion Engineering, Inc. (C-E), has appointed **A. Edward Scherer** as director of nuclear licensing, Nuclear Power Systems Division. He will be responsible for assuring compliance with Nuclear Regulatory Commission regulations, as well as developing responses to proposed licensing criteria. After serving in the Army Corps of Engineers' nuclear power program, he joined C-E in 1968. At C-E he was most recently licensing manager. He has an MS from Pennsylvania State University, and an MBA from RPI's Hartford Graduate Center. He is a registered professional engineer, and belongs to the C-E Nuclear Speaker Service and the Atomic Industrial Forum's Steering Committee on Reactor Licensing and Safety. He also is a member of the American Nuclear Society, the ASME, and the Society of Sigma Xi, an honorary scientific research society.

Timothy Shea has been appointed service manager in the newly formed Service Department of the Westinghouse Power Systems Projects Division (PSPD). The new service department will work more closely with other Westinghouse divisions' service operations to coordinate the total service support for PSPD operating plants. Recently, Shea completed an assignment in Egypt as project director, Cairo West Unit No. 4. Previously, he was site manager for Kori Unit No. 1. Since joining Westinghouse in 1971, he has held increasingly responsible assignments.

1964

Secretary:
Dr. David T. Signori, Jr
6613 Denny Pl.
McLean, VA
22101

Representative
Barry J. Kadets
26 Harwich Rd
Chestnut Hill, MA
02167

►**Born:** to Dr. and Mrs. **Gary Goshgarian** a son, Nathan, recently. Gary is a professor of English at Northeastern University. This year his first novel, *Atlantis Fire*, was published by Dial Press (see spring *Journal*), and he is now working on his second, which was inspired by another real life experience. (While at WPI, a classmate developed a system to beat the numbers game. Gary is weaving that system into his new novel which concerns the rip-off of the state lottery.) He was the commencement speaker at Northeastern in June.

Christopher Almy continues in his mechanical engineering post at Knolls Atomic Power Laboratory, Schenectady, N.Y. He is chief of Indian Princess Nation, treasurer of the Boy Scouts, a YMCA baseball coach, and a Sunday school teacher. He is also a major in the U.S. Army Reserve and occasionally does a two-week stint at Ft. Monmouth, N.J. Wife Marge is a Brownie leader and does volunteer work in the school library. She and their son, Chris, Jr., are jogging companions. Daughters Jen and Katherine enjoy acrobatics, baton-twirling, and piano playing.

In January, **Peter Dornemann** accepted a new position as director of marketing at Digilab, Inc., Cambridge, Mass. . . . **Don Ghiz** remains as director of steel purchases in the purchasing department at Conoco, Inc., in Houston, Texas. . . . **Terry Harris** is now the marketing manager at Texas Olefins Co., Houston. . . . **Ron Lubowicz**, the former vice president and chief operating officer of L & T Builders, Inc., Pampa, Texas, has been elected a director and the chief executive officer of Achievement Homes, Inc., of Lubbock. Achievement Homes is active in single and multi-family construction throughout west Texas and eastern New Mexico largely through its franchising operations and various limited partnerships.

Dr. **Bruce Maccabee** has received a \$2,000 award from the *National Enquirer* for his investigation of a New Zealand UFO case in which a strange object was filmed from an airplane as well as tracked by radar. The *WPI Journal* ran a story describing Maccabee's investigations in fall 1979.

Harold Monde will be chairman of the Milwaukee section of the ASME next year. . . . **Frederic Scofield** holds the post of superintendent of construction at Northern Liquid Fuels Co., Omaha, Neb. . . . Presently, **Thomas Spargo** is employed by Stanley Works in New Britain, Conn. The Spargos, who reside in Terryville, have three children.

The Peep Toad Potter

FROM PHYSICIST to pottery partner, that's a thumbnail description of the vocational life of Dick Farrell, '64, over the past few years.

Describing the advantages of his current life, Dick says, "my wife and I have a lot of freedom. We have a very rich life in many ways."

Until seven years ago, Farrell, who has a master's degree from Brown University, worked as a career physicist at NASA Electronics Research Center and at Tyco Corporate Research Center. His wife, Sandra, a graduate of Massachusetts School of Art, was art director for the Jewish Community Center of Brookline and later headed the Boston YWCA pottery department.

In her spare time, Sandra made pottery in a basement studio at home. Dick became interested in the craft as he watched her turn out wares that she later sold to shops and galleries. He became so interested, in fact, that he decided to join her in the pottery business full-time.

"We made a six-month commitment to see if we could make a living out of pottery and to see if we could share our lives on a 24-hour-a-day basis," Dick reports. The commitment meant that they would have to move into larger quarters. They hoped they wouldn't have to leave New England.

A friend's suggestion eventually led them to a run-down mill by a waterfall on the Whetstone Brook in East Killingly, Connecticut. The valley surroundings were picturesque, and the mill affordable. Sandra fell in love with it immediately. "It was so romantic," she thought. "It will take a lot of work," Dick



The May exhibition at Peep Toad Mill included works of 15 highly recognized craftspeople, mostly from southern New England. "We make an effort to show works that integrate well, and our approach to exhibition is one where environments are created by displaying groupings of pieces as they might be used to enhance living environments." The show was attended well, though never crowded, and was appreciatively received.

During the last decade, many serious artists have turned to craft media for creative expression, and the craft movement has been widely recognized as an important direction in American art today. "It has been exciting and gratifying for us to be part of this trend," the Farrells say.

Farrell has served on the local zoning board of appeals for the past five years, and has recently taken a central role in a citizens action group working to re-outfit a series of large local damsites for hydroelectric generation — a project whose profits are to be dedicated to public service.

Dick Farrell says of his unusual lifestyle, "at the time we decided to make this change in our lives, many people were baffled by what they saw as the sacrifice of a promising research career for uncertainty and struggle as a 'starving artist.' For me, the choice arose out of a feeling of personal incompleteness. Through my years of education and research, I had accepted an identity with my analytic mental function. The left-brain-hemisphere functions of definition and analysis tend to be developed in the world of technology at the expense of the integrative, flowing, creative functions of the right brain. Looking back, I now recognize that the initial feeling of incompleteness was actually my right brain creative function demanding inclusion in my person. Working through this identity crisis, and all its attendant changes, has certainly been difficult, but it has also been fully worthwhile."

thought. But the Farrells were young and had plenty of elbow grease. They decided to buy it.

It takes time to renovate a 200-year-old mill that was once a tannery, a blacksmith shop, and a plastics storehouse, into a livable home, workshop, and gallery. The new owners did all the cleaning and construction work themselves, in spite of the fact that for six months Dick continued to commute to his job in Waltham. Still, they managed to make progress. They lived in a small partitioned area on the third floor while creating their permanent living space on the second floor. "Aesthetically speaking, it was the pits," says Farrell, recalling the plastic-covered insulation that served as the partition.

In the early stages, Dick and Sandra had to lug water and cook on an electric hot plate. A coal stove from an old Pullman train car was their only heat source. Gradually they added plumbing and other creature comforts. Farrell engineered their water power to provide

the mill with a portion of its electricity for free. His wife stripped the ancient beams with a torch until they regained their original nut-brown beauty.

Today the 30 by 40 foot living space is partitioned with white insulated panels and weathered boards. The central part of the space soars to a double-layer Plexiglass roof. There are lots of plants about, but little furniture. Adjacent to the living space is a studio-workshop with pottery wheels. The gallery and kiln and glazing room are located on the first floor.

Before moving to Connecticut, Sandra had sold her pottery to shops and galleries and at craft fairs. Now clients come to the Farrell's gallery at Peep Toad Mill. Since 1974 they've had two shows a year, on Labor Day and Thanksgiving weekends. This year, for the first time, they held a major spring exhibition in May, and they have plans to extend their other shows through weekends in September and December.

1965

Representative:
Patrick T. Moran
100 Chester Rd.
Boxboro, MA
01719

Robert Asplund, a GTE Products Corporation research and development engineer, has been named a recipient of the Leslie H. Warner Technical Achievement Award for the conceptual design of the Flip-Phone telephone, the first GTE phone designed expressly for retail consumers. Asplund, who shared the award with a collaborator, helped design the internal electronic circuits to fit the phone's compact size. He was awarded \$5,000 by General Telephone and Electronics Corporation at world headquarters in Stamford, Conn. . . .

David Bank holds the post of manager at Servall Mfg. Corp., Fall River, Mass. . . . **Dr. Michael Boyd** works as a senior programmer at Sperry Univac, Roseville, Minnesota.

Wayne Eddy serves as a manufacturing information systems analyst at GE in Hooksett, N.H. He and his family reside in Concord. . . . **Robert Edwards** is employed as a senior geophysicist at URS/John A. Blume & Assoc., San Francisco. He has an MA from Berkeley. . . . **Robert Hawes, Jr.**, has been named director of business development for Liquid Paper Corporation, a Gillette Co., in Dallas, Texas. Most recently, he was product manager for commercial products for the Paper Mate Division of the Gillette Co. In his newly created post, he will coordinate marketing, sales, manufacturing, research and development, and engineering activities between Liquid Paper and Paper Mate. He will also look for new business opportunities. Hawes has an MBA from Boston College. Previously, he served Gillette as director of operating planning for Paper Mate and as administrative assistant to the president of the Safety Razor Division.

James Heinrich is employed as regional engineering manager at Elliott Co., Chicago, Ill. . . . **Charles Hunnicutt** has been promoted to head of the Rural and Suburban Switching Department at the Bell Telephone Laboratories Indian Hill facility in Naperville, Ill. His department is responsible for development of maintenance software, testing and field support of electronic switching systems that are part of Bell's national telecommunications network. Earlier, Hunnicutt was involved in software development of a new electronic switching system now being developed at Indian Hill. He started to work for Bell Labs in 1968, and holds an MSEE from RPI. A member of Tau Beta Pi, he also belongs to Eta Kappa Nu and Sigma Xi. He is past president of the Tri-City Hockey Association and of the Wild Rose Elementary School Parent-Teacher Organization. The Hunnicutts have two sons, David and Douglas.

Last fall, **Amar Kapur's** company, American Industrial & Medical Products, Inc. (AIM), moved from Worcester to Auburn because more space was needed for future expansion. The firm manufactures and distributes specialty gases primarily for the food, hospital and computer industries. Recently, AIM opened a welding store offering a complete line of welding products, and it continues to offer expertise in cryogenic engineering and design. . . .

George Lemmon is a chief engineer for EBASCO Services, New York City. . . . Still with Bell Laboratories in Whippany, N.J., **David Luber** is now supervisor of the engineering planning group. He also teaches part-time in the Fairleigh Dickinson graduate business program. . . . **Martin Soja** holds the post of manager at Price Waterhouse & Co., New York City.

wife, Mala, have two children. . . . **Gerald Lucas** is employed as staff manager at AT&T Co., Bedminster, N.J. . . . Presently, **Paul Peterson** works as manager of technical support at Software AG in Lakewood, Colo. . . . **John Petrie** serves as senior applications engineer at ITT North Microsystems, Deerfield Beach, Fla.

Robert Rapp is assistant area superintendent at du Pont in Aiken, S.C. . . . **Peter Sommer** writes that he and his wife have just adopted two beautiful children. . . . **Robert Sternschein** is employed as a manufacturing superintendent at Colt Firearms, Hartford, Conn. He has an MSIE from Northeastern, is married, and has three children.

1967

Secretary:
John L. Kilguss
5 Summershade Circle
Piscataway, NJ
08854

Representative:
Douglas W. Klauber
10 Alice Dr.
Nashua, NH
03060

1966

REUNION

OCTOBER 3-5

Secretary:
Gary Dyckman
29 Skilton Lane
Burlington, MA
01803

► **Born:** to Mr. and Mrs. **Stephen E. Anderson** their first child, a daughter, Nora Ellen, on March 21, 1980. Steve is the chief engineer at the Lee Company, Westbrook, Conn. . . . to Mr. and Mrs. **Robert W. Trefry**, a son, Brian, who joins sister, Jennifer, 4. Currently, Trefry is a project engineer at Rust Engineering, Birmingham, Ala., where he is working on the solvent refined coal project.

Gary Cassery is employed as an accounting and inventory control manager at Texas Instruments in Attleboro, Mass. . . . Still with Torrington Company, **Robert Coates** presently serves as district sales engineer in Charlotte, N.C. He is associated with the Torrington Special Products Division. . . . **Kendall Cowes** works as a senior engineer in advanced development at Datatrol, Inc., Hudson, Mass. . . . Earthquake Engineering Systems, Inc., Boston, employs **Gary Dyckman** as a project manager. The Dyckmans have two children and live in Burlington. . . . **Hank Flynn** holds the post of manager of test engineering at Nixdorf Computer Corp., North Reading, Mass.

Raymond Gallant works as a district service manager at Waters Associates, Inc., Medford, Mass. . . . **Robert Holt** has joined Ocean Data Systems, Inc., Rockville, Md., as senior technical associate. . . . **Philip Hopkinson** holds the position of manager of engineering in the specialty transformer department at GE in Fort Wayne, Ind. He is a professional engineer in North Carolina. . . . **David Jorzak** has a new post as senior mechanical engineer at Kollmorgen Corp., Electro-Optical Division, Northampton, Mass. . . . **Stephen Kaiser** serves as president of Kaiser Sales Corporation, Los Angeles. . . . **Robert Levine** is manager of product planning and business development at GE in Warren, Mich. He and his

► **Born:** to Mr. and Mrs. **Lawrence R. Gooch** their third child, Erin Margaret, last August. Presently, Gooch serves as engineering manager in the contract-engineering division of the Farrel Machinery Group in Ansonia, Conn. He works with **Jim Haury**, '69; **Fred Bartkiewicz**, '63; and **Bob Bennett**, '64.

Charles Blanchard has been named manager of the R&D department of CPC Engineering Corp. He also continues as manager of the environmental products division. In addition to nationwide responsibility for the environmental product line, he will be responsible for research and development. Since 1971, Blanchard has served CPC as project engineer, engineering manager of the pneumatic ejector division and manager of the environmental products division. He belongs to the ASME and the New England Water Pollution Control Association. The chairman of the Sturbridge (Mass.) Water & Sewer Commission, he is active as a scout cubmaster, too. . . . **John Cahalen** is employed as superintendent of process engineering at Schweitzer Division in Lee, Mass.

Currently, **Richard Court** is the chairman of the Greater Danbury (Conn.) Section of the American Society for Quality Control. In June of 1979 he passed the exam and is now an ASQC certified quality engineer. . . . **Ronald Dill** has been promoted to the position of manager of fiber materials development and evaluation at Goodyear Tire and Rubber in Akron, Ohio. He has been with Goodyear since graduation. . . . **Dr. Francis Gay**, who received his PhD from Northwestern last year, now serves as supervisor of software engineering at Siemens Corporation in Boca Raton, Fla. He, his wife, Susan, and two children reside in Coral Springs. . . . **Stephen Lak** received his PhD from UMass last year. He is a reliability engineer in the Ambac Division of U.T.C. . . . **Jack Rahaim** holds a post in

corporate training at DEC, Maynard, Mass.

Sudhir Shah was appointed director of engineering at Purcell Associates, Hartford, Conn. He is also a vice president of the firm and has been chief structural engineer. In his new role, he will be responsible for the technical quality of all engineering projects at Purcell. Shah, a registered professional engineer, attended the University of Gujarat, where he earned his BSCE. He holds an MSCE from WPI. He belongs to the ASCE, the National Society of Professional Engineering, and the American Concrete Institute. . . . **Giri Taksali** serves as a senior project engineer for the Kaiser Transit Group in Miami, Fla. . . . **Fred Turcotte** is with Wood Structures, Worcester, Vt.

1968

Secretary:
Charles A. Griffin
2901 Municipal Pier Rd
Shreveport, LA
71119

Representative:
William J. Rasku
33 Mark Bradford Dr
Holden, MA
01520

►Born: to Mr. and Mrs. **John H. Holmes**, a son, David, on August 18, 1979. . . . to Mr. and Mrs. **George Landauer** a son, Brian Howard, on December 13, 1979. . . . to Mr. and Mrs. **Raymond Racine** their third child and second son, Bryan, on March 8, 1980. On April 1, Racine was appointed unit supervisor for the engineering projects procurement unit of Aramco Services Company in Houston. He is responsible for contracting matters related to Aramco's engineering and construction activities in Saudi Arabia. In May, he graduated from South Texas College of Law. In July, he was slated to take the bar exam. . . . to Mr. and Mrs. **Kenneth R. Blaisdell, Jr.**, their first child, Michael Eric, on March 20, 1980.

Arnold Antak was promoted to office administrator for the Boston office of Howard Needles Tammen & Bergendoff, Engineers-Architects, in January. He is responsible for personnel administration, budgeting, insurance, financial administration and general office administration. . . . **Donald Bergstrom** serves as assistant project manager at Walsh Construction Co. in Longview, Washington. Presently, he is managing construction of a new paper machine complex for North Pacific Paper Corp. . . . Major **John Caprio**, U.S. Army, is stationed at Ft. Bragg. He and his wife, Susan, have three children. . . . Dr. **John Cryanski**, who has a PhD from the University of Wisconsin, is with the Theoretical and Physical Chemistry Institute of the National Hellenic Research Foundation in Athens, Greece.

Ronald Cummings has joined the law firm of Delio and Montgomery, New Haven, Conn. He holds an MS from Northeastern and a law degree from Suffolk. Currently, he is a candidate for a master of law degree in trade regulation at New York University School of Law. Formerly, he was

associated with the law firm of Zarley, McKee, Thomte, Vourhees and Sease in Des Moines, Iowa. . . . **Richard Dubsky** is chairman of the departments of mathematics and science at St. Albans School in Washington, D.C. Also, he serves as an instructor of mathematics at the University of Maryland. He is working on his PhD. . . .

Robert Gosling has been named the 1980 New Hampshire Young Engineer of the Year. He is a staff engineer in the civil engineering department at the Public Service Company of New Hampshire. A member of the New Hampshire Society of Professional Engineers, he is the Society's current secretary and co-editor of its publication, *The Observer*. He is a director of the Bow Athletic Club and belongs to the Bow Rotary Club. He serves as chairman of the Bow Industrial Development Committee and as a member of the WPI Alumni Publications Committee and a WPI Alumni Fund volunteer.

Richard Hampson is a staff engineer at IBM in Charlotte, N.C. . . . **John Korzick** owns Korzick & Company in Concord, Calif. . . . **Eugene Murphy** holds the position of sales applications manager at Vanzetti Infrared, Canton, Mass. He is associated with EIT-Massachusetts Board of Registration of Professional Engineers. Last year he received his MSMSE from WPI. . . . **William O'Neil** is now a senior cost engineer for Gilbert-Commonwealth Associates, Inc., Oak Ridge, Tenn. . . . Recently, **Ronald Porter** was appointed to the finance department faculty at Boston College. He is a real estate investment-trustee for hundreds of apartments throughout Massachusetts. His article, "Calculating Holding Period Returns for Real Estate Investments," was published in *Real Estate Review*, the journal of the New York University Real Estate Institute.

Frank Posselt works for DICOA in Savannah, Ga. . . . Since graduation, **James Powers** has been with Metcalf & Eddy. Last year, he was in Egypt. He has worked on numerous water supply projects in the U.S. and abroad. . . . Continuing with Perkin Elmer Corp., **Arnold Schwartz** is now a senior engineer headquartered in Norwalk, Conn. . . . Formerly with Reed and Prince, Jaffrey, N.H., **Richard Seymour** presently serves as production superintendent at New Hampshire Ball Bearings, Inc., Peterborough, N.H. He has an extensive background in all phases of design, production, and plant engineering. . . . **Greg Sovas** is now chief of the Bureau of Mineral Resources in New York state.

1969

Secretary:
James P. Atkinson
41 Naples Rd.
Brookline, MA
02146

Representative
Michael W. Noga
West Bare Hill Rd.
Harvard, MA
01451

►Born: to Mr. and Mrs. **Gerry A. Blodgett** their first child, Sarah Katharine, in December. Gerry recently received his LLM degree in patent and trade regulation law from the George Washington University Law School and is practicing patent law in Worcester. . . . to Mr. and Mrs. **Andrew DiLeo** their first child, Maria Rose. Andy, for the last year, has enjoyed self employment as a free-lance structural engineer.

Still with Raytheon, **Dennis Agin** now works as software program manager for the firm in Sudbury, Mass. He and his wife have three children. . . . **Anthony Baglini** owns Turn of the Century Brass Co. in Providence, R.I. . . . **Arthur Evans III** serves as corporate market manager at Goulds Pumps, Inc., Seneca Falls, N.Y. . . . **Andrew Heman** works as process engineer at Union Carbide Corp., Jacksonville, Fla. . . . **Curtis Kruger** is a sales engineer at Dresser Industries, Walnut Creek, Calif. . . . **Anthony Leketa**, assistant area engineer with the U.S. Army Corps of Engineers, Ft. Devens, Mass., is currently responsible for contract administration of over \$40 million worth of construction contracts in the New England-Plattsburgh, N.Y., area. He is a registered professional engineer in Massachusetts and belongs to the Society of Military Engineers.

Ronald Lewis is with the Civil Engineer Corps, U.S. Navy, in Japan. As senior activity civil engineer, he supervises five Civil Engineer Corps officers. He is concerned with facilities planning and programming maintenance, repair, construction planning, and budgeting. Recently, he received his MS from the University of Florida and was elected to Tau Beta Pi. He enjoys running and racquetball. . . . **Daniel Lipcan** has designed and constructed a new home in Sandwich, Mass. He holds the post of plant manager at Boston Insulated Wire & Cable Co. in Plymouth. The Lipcans have two children, Daniel and Nancy. . . . **Daniel Lorusso** is a consultant for Lorusso Associates, Pittsfield, Mass. He is involved with digital electronic design and micro-processing. An instrument-rated pilot, he belongs to the Pittsfield Airport Commission. . . . "**Sandy**" **Malcolm**, after ten years in New Jersey, has returned to Massachusetts, where he is manager of quality assurance for Johnson and Johnson in Weymouth. He is a member of ACS and ASQC.

Chris Masklee is an associate materials and research engineer for the state of California in Sacramento. He is also a real estate broker. . . . **Robert Mayer** holds the post of chief engineer, electronics, for Control Products Division, Hackettstown, N.J. . . . Spare time activities for **Tom McAuliffe** include coaching Little League baseball and soccer, advising a church youth group, and engaging in marriage encounters. An area supervisor in production for du Pont near Houston, he has 29 people reporting to him. He supervises operation of utility supply facilities and sulfuric acid production facilities. The McAuliffes have two children.

Edward Mierzejewski works as a transportation planning consultant for Chase, Rosen & Wallace, Inc., Alexandria, Va. He is active in church groups and in various professional societies. . . . **Roger Miles** holds the post of president of Doten Management Corp., Plymouth, Mass. The firm manages nine weekly newspapers and a tourist publication, and also does commercial printing. Not long ago, Miles started a new publication in Maine. . . . **Eric Nickerson** is presently employed as a production engineering manager at Teradyne Components, Nashua, N.H., where he is responsible for all products shipped out of the plant. For two years, he helped develop a new connector product line at Texas Instruments. He has built a new house and is landlord for two houses in Connecticut. . . . Continuing with Stone & Webster, **Michael Noga** directs the development of equipment and plant arrangements for fossil fired and advanced technologies electric generating plants. He and his wife designed and subcontracted the construction of their house in Harvard, Mass. They have two children.

Paul Norkevicius serves as a product development engineer at Ford Motor Co., Dearborn, Mich. He is responsible for a portion of the development and certification testing of passenger car tires. . . . **Michael Nowak** is a chemist at Decotone in Westminster, Mass. . . . **Joel O'Rourke** works as a district education specialist at Computer Sciences Corp., Rosslyn, Va. . . . **John Paolillo** holds the position of senior associate programmer at IBM in Endicott, N.Y. . . . Still with United Illuminating Co., **R. Craig Pastore** applies protective relaying on the transmission and distribution systems for an electric utility. He is a golfer and bowler and is located in Guilford, Conn. . . . **Mahendra Patel** enjoys gardening and every summer grows some vegetables from his native India. He likes photography, too. With Boston Edison since 1969, he is involved with power plant design and construction. A registered professional engineer, Massachusetts, he also is an active member of the ASME, and served on the Boston section executive committee as chairman. Presently, he is committee chairman for honors and awards, ASME, Region I. . . . Running, car rallies, and pho-

tography are just a few of **Al Pauly's** hobbies. He is a senior research engineer at Michelin America's Research & Development Corp., Greenville, S.C. The Paulys are the parents of Benjamin and Justin.

Andy Perreault, a nuclear engineer at Knolls Atomic Power Lab., has been active with the American Nuclear Society attempting to educate the public on the benefits of nuclear power. At Knolls he helps to ensure that the nuclear reactors the lab designs, and sometimes operates, for the Naval Reactors branch of the DOE, are functioning properly. He is a professional engineer. His wife is pursuing an MBA at RPI. . . . **Stephen Phillips** continues as the owner of Phillips Associates, Boston, which is concerned with graphic and industrial design and communications, as well as product design and development. Recently, he's been developing toys and games and plans to form a product development company. He belongs to the Art Directors Club of Boston. . . . **David Pietraszewski** is still with the U.S. Coast Guard Research & Development Center in Groton, Conn., where he works on instrumentation and data communications system design and development. He was named the recipient of an award for outstanding contributions to the Center. Presently, he is designing a heat efficient house for his family. . . . **Donald Rapp** continues at du Pont and is now located in Lexington, Ky., where he is a sales and technical representative in explosives. He and his wife, Elaine, have two children, Bryan and Derek.

Bidyut Rath is an associate at BD/International in Houston. . . . **Robert Reidy**, a senior application engineer at Megatherm, East Providence, R.I., works closely with consulting engineers and architects on commercial and industrial projects involving building load management in conjunction with thermal storage designs. "Play a lot of golf, but can't shoot my age yet!" Reidy belongs to the Providence Engineering Society and the ASME. . . . **James Richey** is employed as manager of power supply design engineering at Data General, Westboro, Mass. He has an antique clock business, "The Olde Tyme Shoppe," where he buys, sells, and repairs antique clocks. The Richeys have a baby son, James Jacob. . . . **Ronald Roberts**, still with Western Electric, Inc., presently serves as senior test development engineer in North Andover, Mass. As engineering group leader he is responsible for development of manufacturing tests on data and switching communication systems. He has an MS from Northeastern and is an instructor at Northern Essex Community College. Also, he is involved with Resource Parents for Boston Children's Hospital Developmental Evaluation Clinic.

Charles Robinson, Jr., is manager of operational planning for customer services at Foxboro (Mass.) Company. A member of the Foxboro Soccer Association, he also coaches and referees local soccer teams. He enjoys cross country skiing, tennis, and bikes to work every day. . . . A senior engineer at Raytheon-Missile Systems Division in Bedford, Mass., **Rene Roy** is responsible for missile borne computer programming on the Patriot missile system, as well as the automatic test software. The Roys have three sons. . . . **Robert Scott**, director of planning for the City of Virginia Beach, Va., coordinates the physical development of the city, "The fastest growing city on the East Coast." . . . **Steve Selinger** is senior design engineer, chassis, at Volkswagen of America in Warren, Mich. He has design and release responsibility for suspensions and exhaust systems on U.S. built Rabbits. For seven years he has been involved with racing sports cars. He likes photography and amateur radio. . . . Continuing with Polaroid, **Joseph Senecal** does chemical process R&D as required to transform laboratory procedures to viable full scale systems. He lives in Worcester and commutes to Polaroid in Cambridge by train. While commuting, he enjoys reading serious fiction. He has started a small wine tasting group.

Vinubhai Shah works as senior mechanical engineer at Commonwealth Associates, Jackson, Mich., where he is concerned with nuclear and non-nuclear piping system analysis. . . . While not on duty as a staff engineer at IBM in Endicott, N.Y., **Barry Shiffrin** may be found developing pictures in his recently finished dark room. He takes pictures and makes color prints from the slides. Currently, he is turning the basement into a family room area, as well as pursuing his interest in magic. . . . **Tom Starr** (Gwazdauskas) holds the post of technology manager of nuclear processes at Helix Process Systems in Westboro, Mass. He manages the process design effort for pollution control systems for nuclear power plants. In the community, he is assistant soccer coach for Southboro Youth Soccer and president of the neighborhood civic association. Also, he is a local section officer of AIChE. . . . **Robert Stessel** is living on board a 1910 classic boat that he is rebuilding in Beverly, Mass. Originally, the boat was a Harbor Ferry from Marblehead. In 1978, Stessel survived the blizzard aboard the "Kelpie" in Beverly Harbor. A technical consultant to the Northeast Surf Patrol, he occasionally engages in search and rescue with the group. He belongs to the National Marine Electronics Association. He is the proprietor of Advanced Marine Electronics in Beverly.

Still with Bechtel, **Martin Surabian** presently supervises mechanical engineers in the design of mechanical systems for nuclear-coal power plants. He is located in Gaithersburg, Md., and serves as a church trustee and as a baseball and football

coach. . . . **John Taylor** belongs to the Technical Association of the Pulp and Paper Industry, which he serves as a member of the coating process committee. He is a member of the Research Committee at the University of Maine. His hobbies include jogging, photography, and building HO scale train layouts. He continues as a group leader in coating process development at St. Regis Paper Co., West Nyack, N.Y. . . . **John Thompson, Jr.**, holds the post of vice president of finance and chief financial officer at SW Ind/Stowe Woodward Co. in Newton, Mass. The Thompsons have three children and reside in Wellesley. . . . **Charles Trent** serves as technical services manager at Crompton & Knowles Corp., Reading, PA. One of his duties is to establish procedures and specifications for products. He introduced computer color control for textile dyes. Trent has an MBA from Lehigh and belongs to the American Association of Textile Chemists and Colorists and the American Chemical Society. . . . **Kimball Watson** has been designing and building hydrofoil sailboats. A staff engineer at IBM in Essex Junction, Vt., he is concerned with reliability analysis of integrated circuits. . . . **Phillip Wilsey, Jr.**, enjoys a wide variety of outdoor activities: hiking, canoeing, kayaking, cross country skiing, and snowshoeing. Since 1971, he has been with Pratt & Whitney Aircraft, East Hartford, Conn., where currently he is a product support engineer. His present responsibilities include monitoring field problems in a high pressure compressor and using the data to provide customer input to new engine design or proposed modifications. The Wilseys have three children and reside in Newington, Conn. . . . **Steven Zieve** plays golf and is a life master in bridge. He is a programmer-analyst for the Hartford (Conn.) Insurance Group, for which he provides support for operations research and property casualty actuarial departments.

1970

Secretary
F. David Ploss III
208 St. Nicholas Ave.
Worcester, MA
01606

Representative
Garrett G. Graham
150 Brookside Rd.
Needham, MA
02194

►**Married:** Dr. **Lee C. Malbon** and Ann M. Murphy in Boston, Massachusetts, on April 11, 1980. The bride graduated from Salem State College and received a master's degree in English from Boston College. She is an English teacher at Malden Senior High School. The groom received a double master's degree in physics and education and a doctorate in education from Boston College. He serves as vice principal of Burrellville (RI) Regional High School and also teaches computer science at Bentley College, Waltham, Mass.

Richard Abrams holds the post of director of nuclear product development at Helix Systems in Westboro, Mass. . . . **Bernard Belouin** teaches at Mt. Greylock Regional High School, Williamstown, Mass. . . . Dr. **Mark Brown**, who has a PhD from the University of Minnesota, is a senior research engineer at American Can Co., Neenah, Wisconsin. . . . **John Cattell** is now project manager at Riley Stoker Corp., Worcester. . . . **Donald Colangelo** works as a consultant for Stone & Webster Management Consultants in New York City. . . . **Dom Forcella** currently serves as executive director of the Council on Environmental Quality at the state office building in Hartford, Conn. . . . **Frank Gardner** is employed as a senior plant engineer at Nuclear Energy Services in Danbury, Conn. . . . **Robert Greenwald III** is a design engineer at Auditronics, Inc., Memphis, Tenn.

Stephen Johnson has been promoted to group supervisor of the Chemical Engineering Section at the Babcock & Wilcox Co. Alliance (OH) Research Center. His group (combustion technology) is researching the clean combustion of coal in utility and industrial steam generators. He joined the firm in 1976 as a research engineer and has been a senior research engineer since 1978. Earlier, he had been with Riley Stoker Corp., Worcester.

The Boston section of the American Society for Quality Control (ASQC) has elected **Kent Lawson** of Norwood, Mass., its publicity chairman for 1980. He will serve as a member of the executive committee and will be responsible for the monthly publicity in the national *Quality Progress Magazine*, the *Engineering Societies of New England Journal*, *Newsletter*, the meeting notices, and the media exposure campaign. He is a senior quality engineer for the new products development group of the Polaroid Corp., Cambridge. Also, he is vice president of the board of directors of the Nassau Gardens Cooperative Housing Association, Inc., of Norwood, a senior member of ASQC, a member of the ASME and an officer of the Polaroid bowling league. He has an MS from Northeastern. The ASQC has over 32,000 members nationwide. It is a society of professionals engaged in the management, engineering, and scientific aspects of quality and reliability. The Boston section, founded in 1945, is the second largest with nearly 900 members.

Paul Lee continues as principal engineer at Lockheed Electronics Co. in Plainfield, N.J., where he and his wife, Lily, reside. . . . **Bradford Myrick** works as a project engineer at Ingersoll-Rand Co., Allentown, Pa. . . . **Girish Patel** is employed as a structural engineer at Bechtel Power Corp.,

Gaithersburg, Md. . . . **John Sztuka, Jr.**, holds the post of product supervisor at Hercules, Inc., Wilmington, Delaware. He has an MBA from Western Michigan University. . . . **Philip Warren** was recently promoted to production manager-finishing for the Graphic Products Division of Nashua Corporation in Merrimack, N.H. . . . **Louis Zitnay** is an environmental engineer at IBM Corp., Rochester, Minn.

1971

REUNION

OCTOBER 3-5

Secretary
Vincent T. Pace
4707 Apple Lane
West Deptford, NJ
08066

►**Married:** **Thomas A. Pandolfi** and Pat Hendrix on March 29, 1980. The groom is a senior software engineer. . . . **Frank W. Steiner** and **Elizabeth C. Poulin**, '73, in Montego Bay, Jamaica on April 9, 1980. Beth is a project engineer for Foster-Miller Associates in Waltham, Mass.

►**Born:** to Mr. and Mrs. **Carlton E. Cruff** their first child, a daughter, Melanie Augusta, on February 17, 1980. . . . to Nancy and **Ben Katcoff** a daughter, Rebecca Suzanne, on March 16, 1980. The Katcoffs also have a son, Gregory, 2. . . . to Mr. and Mrs. **Robert Trachimowicz** a son, Matthew Neil, on July 9, 1979. Matthew joins brother Timothy, 3. Trachimowicz was recently promoted to resident engineer for EBASCO Services, Inc. . . . to Jacquelyn and **Urmias Volke** a son, Erik, on April 11, 1980.

Don Baron serves as industrial sales manager at Logetronics, Inc., Springfield, Va. He and his wife live in Alexandria. . . . **Russ Batson** of Wells, Me., builds custom designed, solar-heated homes through Green Mountain Homes of Royalton, Vt., **James Kachadorian**, '61, president. . . . **Avanish Bhagat** holds the position of managing director at Corrosion Control Services, Ltd., Bombay, India. He and his wife, Minal, have one child. . . . **Richard duFossé** is currently employed as a telecommunications analyst at Data General Corp., Westboro, Mass. The duFossés and their two children live in Northboro. . . . **Robert Gazda** is vice president at K&W Machine & Tool in Springfield, Mass. . . . **Alan Gradet** works as a senior environmental engineer at ERT in Houston, Texas.

Paul Grady teaches in Waltham, Mass. . . . **John Griffin** holds the post of district manager of real estate operations at New England Telephone, Boston. . . . Continuing with Riley Stoker Corp., **William Helliwell, Jr.**, is now district service manager in Northglenn, Colo. He and his wife live in Westminster. He has an MBA from the University of Denver. . . . **Louis Howayeck** serves as system effectiveness manager at Stencel Aero Engineering Corp. in Arden, N.C.

Bruce Leffingwell is a market manager at Olin Corp., Stamford, Conn. . . . **John Lind** works as a field engineer at General Telephone Co., Sumter, S.C. . . . A senior sales engineer at Westinghouse, El Monte, Calif., **Richard Pace** is also studying for his MBA from the University of Redlands. The Paces and their three children reside in Diamond Bar. . . . **Gerald Parrott** has been promoted to the post of chief engineer at Rock of Ages Corp., Barre, Vt. He is responsible for all phases of engineering within the Barre company and all of its subsidiaries. He joined the Graniteville firm in 1976 as a staff engineer and has performed in all functions of the engineering department since that time. He has taken numerous engineering and management courses and he is a member of the Mechanical Engineering Honor Society. Previously, he was with Westinghouse.

Abbas Salim is a staff engineer for Martin Marietta in Denver, Colo. Presently, he is responsible for power distribution and control for a 350 KW solar power plant for Saudi Arabia. He, his wife Zubeda, and two children live in Littleton. . . . **Francis Scricco** holds the post of manager of strategy development in the consumer products and services sector at GE in Fairfield, Conn. . . . **Daniel Smith** works for Morgan Construction in Worcester. . . . **David Winer** is employed as a senior engineer at Orion Research, Inc., Cambridge, Mass.

Richard Logan, CPA, is president of Positron Computer Corp., Ashland, Mass. He is concerned with EDP consulting, business management consulting, and business software. . . . **Richard Podolny** has been certified as a Rolfer by the Rolf Institute of Boulder, Colo. . . . **Michael Rapport** has been promoted to actuarial associate in the Penn Mutual Life Insurance Company's pension department. He is responsible for assisting with actuarial certifications of defined benefit pension plans, reviewing pension valuation reports, and developing actuarial procedures. With the company since 1978, Rapport is an associate of the Society of Actuaries, a member of the American Academy of Actuaries, and the Philadelphia Actuaries Club.

James Tarpey was promoted to manager of transportation for Orange-Rockland Utilities of Pearl River, N.Y. He is in charge of the company's transportation policies and oversees the selection and maintenance of passenger vehicles, trucks, and other construction equipment. In 1972, he started work as an assistant electrical engineer at the firm. In 1975, he was named general supervisor of line technical services, and in 1979, he was promoted to eastern division assistant superintendent of overhead lines. He is a registered professional engineer in New York, and has a degree from New Jersey Institute of Technology in Newark.

Thomas Tracy has been elected to a three-year term on the Uxbridge (Mass.) School Committee. Recently, he was promoted to marketing engineer in the proposal group at Stone & Webster, Boston. A life-long resident of Uxbridge, Tracy belongs to the Uxbridge Historical Society, as does his wife. He is an assistant scoutmaster, a member of Phi Kappa Theta, and serves as the editor of the national alumni newspaper, the *Temple*. Tracy, who has a master's degree from Northeastern, believes that inflation is the most serious problem facing schools in the 1980's. He has two children, Joanne, 6, and Michael, 3. . . . **Richard Wallace** is employed as a senior civil engineer at Daniel Construction Company, Greenville, S.C. He, his wife, Diana, and child live in Greer.

1973

Secretary
Jay J. Schnitzer
322 St. Paul St.
Apt. #3
Brookline, MA
02146

Representative
Robert E. Akie
33-8 Sheridan Dr.
Shrewsbury, MA
01545

► **Married:** **Gene L. Franke** and Arlene L. Bremer on September 22, 1979. The bride attended Essex Community College and is a credit investigator for First National Bank of Maryland. The groom is a metallurgist and project engineer at the David W. Taylor Naval Ship R&D Center in Annapolis. The couple resides in Severna Park. . . . **Robert J. Nacheman** and Jessica R. Eth in Teaneck, New Jersey, on May 25, 1980. Mrs. Nacheman graduated from the University of Pennsylvania and holds a master's degree from Columbia. She specializes in product safety and public health at Mobil. Her husband is a project engineer with Lev Zetlin Associates, Inc., of New York. He is studying for his master's degree in structural engineering at City College of the City University.

► **Born:** to Mr. and Mrs. **Timothy A. French** their first son, Timothy John, on April 3, 1980. Tim graduated from New England School of Law with a Juris Doctor degree in June. He will join the Boston patent law firm of Fish & Richardson as an associate. . . . to Mr. and Mrs. **William E. Henries** a second daughter, Elizabeth Ann, on March 21, 1980. Henries has a new job as senior structural engineer with Yankee Atomic Electric Co., Westboro, Mass.

Robert Akie works as a sales engineer at Pat Jenks Assoc., Wakefield, Mass. . . . **Dennis Beliveau** is involved with production scheduling and analysis in GE's Gas Turbine Division, Schenectady, N.Y. . . . **Jeffrey Blaisdell** holds the position of project manager at George B. H. Macomber Company (builders), Boston, Mass. The firm is concerned with large construction in the New England area. . . . With Control Module, Inc., for over four years, **Chris Broders** was recently promoted to chief engineer. He is located in Enfield, Conn. . . . **Richard Brontoli** writes: "Enjoying many large construction projects throughout Germany." He is still stationed at Baumholder where he is a commander for B Company. . . . **Paul Brown, Jr.**, is general foreman of mechanical maintenance at RSR Corp., Dallas, Texas. . . . **Michael De-Collibus** currently holds the post of sales manager at Dynamac, Inc., Marlboro, Mass. He, his wife, Cheryl, and two children reside in Nashua, N.H.

1972

Secretary
John A. Woodard
101 Putnam St.
Orange, MA
01364

Representative
Lesley E. Small Zorabedian
16 Parkview Rd.
Reading, MA
01867

► **Married:** **Theodore A. Martin** and Cindy Jarvenpaa on April 12, 1980, in Westminster, Massachusetts. The bride graduated from Mount Wachusett Community College and was employed at Central Veterinary Supply of Westminster. Her husband is with MacDermid, Inc., of Connecticut.

► **Born:** to Mr. and Mrs. **William Kamb** a daughter, recently. Kamb is a class agent. . . . to Mr. and Mrs. **T. Richard Price** a son, Jamie, on March 3, 1980. Sister Sheila is eight.

Gary Dunkleberger is an IBM systems programming manager at Aerospace Corporation in El Segundo, Calif. . . . In June, **Jim Hall** was appointed director of marketing, Construction Products Division, at Norton Company in Gainesville, Ga. Previously, he was with the Safety Products Division in Cranston, R.I. . . . **Paul Lavigne** was named plant superintendent for the Roller Chain Division of Rexnord, Inc., Worcester, which he joined last year as manager of industrial engineering. He belongs to the American Production and Inventory Control Society and the Society of Manufacturing Engineers.

Richard Filippetti, along with several other family members, won a total of \$24,505 on the television game show "Family Feud," which was aired in May. He participated in the California-based show with his sister, Frances Morast, and her husband, and another sister, Nancy Scharland, and her husband. The family was one of 150,000 families who responded to a recruitment drive by the show's producers a year ago. Only 21 families from New England were selected to compete. Filippetti says his family taped seven shows: two on one day and five on another. "We were tired. We had only ten minutes to relax and change clothes between tapings." The group discovered it was considerably easier answering questions in front of the TV set at home instead of in front of the camera. "I developed cramps from nerves," Filippetti confides.

All expenses for the family, including plane fare to Hollywood, meals, and hotel accommodations were paid for by the show's producers. Dick, a manufacturing manager at Goddard Valve Corp., Worcester, says, "I expect to be hearing from the IRS shortly."

Filippetti has two other news items: his second child, Gregory Michael, was born on March 2nd; and he was recently promoted to varsity status in the Collegiate Basketball Officials Association.

Presently, **Michael Greenbaum** is a patent attorney with Wigman & Cohen in Arlington, Va. . . . **George Harris** is now a senior support engineer with Gould-Modicon, a post he has held since April. . . . **Ed Jamro** has been elected chairman of the New Jersey Chamber of Commerce South Jersey Environmental Committee. Ed was the main force behind the organization of the committee which consists of environmental representatives from all major oil and chemical companies located in the southern New Jersey area. . . . **Subhash Johar** serves as a senior engineer at Bechtel Corp., San Francisco, Calif. . . . **Charles Kavanagh** works as a project coordinator at Value Line Construction Corp., Huntington, N.Y. . . . **Kenneth Makowski** is employed as a training engineer at the Power Authority, State of New York, New York City. He resides in Stamford, Conn.

During his recent travels as national president of the ASME, Prof. Donald Zwipmet with **Firdosh Mehta** in Edmonton, Canada. . . . **Bruce** and **Allison Huse Nunn** are currently located in the state of Washington, where Bruce serves as assistant superintendent for the Boise Cascade pulp mill in West Tacoma. The Nunn's and their two children moved to Gig Harbor right after Christmas. They write: "We're enjoying the Northwest scenery. We survived having our moving van overturn en route to Washington and a month's motel stay with two preschoolers." Allison keeps busy with the children and their animals. She and Bruce would welcome a visit or note from alumni passing through the area.

. . . **Maryann Bagdis Pace** holds the post of senior consultant at Peat, Marwick and Mitchell in Dallas, Texas. She works in the energy regulatory group for the oil and gas industry, and has done some independent consulting. . . .

James Risotti was recently awarded his MBA under the executive MBA program conducted by the Suffolk University Graduate School of Administration. He belongs to Delta Mu Delta National Honor Society and is employed at GE in Lynn, Mass. The executive program is offered exclusively on Saturdays for those in middle or upper level management positions. . . .

Peter Runyon works as a technical training instructor for GE in Schenectady. He is associated with the GE Field Engineering Development Center. . . . **Ali Shafiq**

serves as an assistant professor at the College of Computer in Tehran, Iran. . . . **Ken Therrien** holds the position of service engineer at Hamilton Standard, Windsor Locks, Conn. . . . Presently, **Tom** and **Kathy Zawislak Dagostino** are employed by Tektronix in Beaverton, Oregon. Tom is a market segment manager doing market research and Kathy is a software engineer designing the operating system for a real-time debugging option for a microprocessor development aid. They are both class agents.

1974

Secretary

James F. Rubino
18 Landings Way
Avon Lake, OH
44012

Representative

David G. Lapre
P.O. Box 384
Tunkhannock, PA
18657

►**Married:** **Mark E. Ostergren** and Charla J. Cottone of Marion, Illinois on May 19, 1979. Mrs. Ostergren serves as supervisor of Southern Illinois Christian Academy. Her husband is with Babcock & Wilcox. . . .

Michael W. Pontbriand and Cynthia D. Stafford in Billings, Montana. The bride graduated from Woodlawn High School in Baton Rouge, La. She is employed at Busch Gardens in Tampa, Fla. The groom works for Badger Company in Tampa. . . . **Jay K. Thayer** and Pauline Blois in Westboro, Massachusetts, on February 2, 1980. Mrs. Thayer graduated from Salter Secretarial School and is an executive secretary at Management Decision Systems, Waltham. Her husband is a senior mechanical engineer at Boston Edison Co., Nuclear Division, Boston.

►**Born:** to Dr. and Mrs. **Duane R. Arsenault** a son, Kevin Duane, on October 10, 1979. Kevin joins his sister, Crystal Lynn, 2. In December, Arsenault received his doctor of electrical engineering degree from RPI. Currently, he is a full staff member at MIT Lincoln Laboratory, where he is doing research on a surface-acoustic-wave chirp

transform processor — work that is similar to that found in his doctoral thesis. One of the other full staff members at the Lab is Dr. **Victor Dolat**, '64. . . . to Mr. and Mrs. **Michael S. Martowska** their first child, Michelle Margaret, on March 16, 1980. Martowska has been promoted from supervisor of incoming quality assurance to supervisor of package research at Clairol, Inc., in Stamford, Conn.

Dennis Antcil holds the post of design engineer at O'Brien & Gere Engineers, Inc., Syracuse, N.Y. . . . **Ann Anderson** works as an analyst in the software department at Computervision in Bedford, Mass. . . . **Paul Boulrier** serves as a project leader in the research and development group, Borden, Inc. — Thermoplastics Division, Leominster, Mass. . . . **Chuan-Ju Chen** is employed as a senior engineer at Monsanto Plastics & Resins Co., Indian Orchard, Mass. . . .

Wayne Chepren was commissioned a second lieutenant in the U.S. Air Force upon graduation from OTS at Lackland AFB, San Antonio, Texas. He is now at Norton AFB in California. . . . **David Clew** is a weatherization specialist at Pacific Gas & Electric in San Jose, Calif. He and Mickie have two children. . . . **Todd Cormier** serves as a project engineer at Halliwell Associates, Providence, R.I. The company is presently contracted to 14 firms to redevelop their hydroelectric facilities.

Steve Dacri, who appeared at WPI this spring, entertained at the Speidel national sales meeting in Newport Beach, Calif., in May. Summer engagements are slated aboard the MS Princendam and New York to Bermuda cruises aboard the Rotterdam and Volendam. . . . Capt. **Robert Flanagan, Jr.**, serves as company commander for Company C, 2d Battalion, 4th Infantry, in the U.S. Army, Germany. He has an MS in physics from MIT.

Gary Golnik is a member of the technical staff for TRW Defense & Space Systems Group, Redondo Beach, Calif. . . . **Edward Gordon** holds the position of senior development programmer at Decision Data Computer Corporation, Horsham, Pa. . . . **Gordon Gover** works as a senior development chemist at Clairol in Stamford, Conn. . . . **Michael Graham** has been named corporate director of compensation and benefits at Bausch & Lomb, Inc. Formerly, he was with Albany International Corp. He holds a degree from RPI. . . . Continuing with Bell Laboratories, **Howard Greene** is now located in Murray Hill, N.J. He has received his MSEE from the Columbia School of Engineering. . . . **Gary Hills**, who has an MSCE from Berkeley, is a cost engineer for Stone & Webster, Wading River, N.Y. . . . **Lawrence Hunter** is with Westinghouse Electric in Baltimore, Md. . . . In March, **Vijay Kirloskar** and his wife, Meena, visited WPI from India. . . . **Michael Kosmo** is employed as a project engineer at Schofield Brothers, Framingham, Mass.

Paul Nordstrom is a principal sanitary engineer for the Rhode Island Department of Environmental Management in Providence. . . . **Stanley Piekos** holds the position of project engineer at Riley Stoker in Worcester. Last year, he received his MSCE from Stevens Institute of Technology in Hoboken, N.J. . . . **Stephen Powlishev** now works for Hewlett-Packard Co. . . . Bechtel Power Corp. employs **Michael Rollett** as a field engineer in San Clemente, Calif. . . . **John Stopa**, who has his JD from BU School of Law, serves as an assistant legal counsel at Orion Research Incorporated, Cambridge, Mass. He is a chess master. . . . **Stephen Williams** is working as an inventory and production control specialist for GE in Ft. Wayne, Ind. He has completed a three-year assignment as a quality control engineer.

1975

Secretary:
James D. Aceto, Jr.
70 Sunnyview Dr.
Vernon, CT
06066

Representative
William F. George
27 Old Farm Rd.
Spencer, MA
01562

►**Married: Bruce E. Keith** and **Laura E. Gardosik**, '77, on April 12, 1980, in West Warwick, Rhode Island. Mrs. Keith is a design engineer at Polaroid Corp., Cambridge, Mass. Her husband is with Teradyne Corp., Boston. . . . Capt. **Michael L. Parker** and Brenda S. Harkins on December 29, 1979 in Fort Knox, Kentucky. Currently, they are residing in Killeen, Texas. Mike is stationed at Ft. Hood as a cavalry squadron maintenance officer. . . . **David T. Shopis** and Patricia A. O'Sullivan on March 15, 1980 in Windsor, Connecticut. Mrs. Shopis, a graduate of Hartford Hospital School of Allied Health, is a nurse at Hartford Hospital. Her husband is with F.I.P. Corporation in Farmington, Conn., where he is construction manager.

►**Born:** to Mr. and Mrs. **David H. Kingsbury** their third child, first son, David Joseph, on March 11, 1980. . . . to Capt. and Mrs. **Douglas Sargent** a daughter, Amber Marie, on September 8, 1979. Sargent, who was promoted in December, is still serving in Portland, Me., with the U.S. Army.

Dr. **Andrew Armstrong** has received his Doctor of Optometry degree from the New England College of Optometry. He has a BS and MS in mechanical engineering from WPI. While at optometry college, he had extensive clinical experience at the Boston Eye Clinic and at Dorchester House Multi-Service Center. He had a three-month residency at Rutland (Mass.) State Hospital. At a pre-graduation awards dinner, he received the Bausch and Lomb contact lens award, which is given to the graduate displaying the highest proficiency in the field of contact lenses.

Clifford Ashton has been promoted to engineer at Northeast Utilities (NU). Last year, he joined NU as associate engineer in the generation engineering department. He belongs to the ASME, Pi Tau Sigma, and Sigma Beta Pi. . . . **John Balint** serves as a sales engineer for GE in Oakland, Calif. . . . **John Batt**, a staff engineer in the Customer Service Group of Union Carbide, has been transferred to the Linde Division at the Distribution Technical Center in Springfield, N.J. . . . **Michael Blaszcak**, an engineering recruiter for General DataComm Inc., is headquartered in Danbury, Conn. . . . **Erik Brodin** is a project engineer at GM in Framingham, Mass. He holds a master's degree from the University of Rhode Island and an MBA from Western New England College. . . . Still with the Lee Co., **Raymond Cibulskis** is now product manager for the firm in Westbrook, Conn. . . . **Robert Cummings** is employed as a system planning engineer at Central Vermont Public Service Corp., Rutland, Vt. . . . **Mark Deming** serves as a senior planner for the County of Santa Cruz, Calif.

Judy Nitsch Donnellan has been named a registered professional engineer in Massachusetts. She continues as vice president and director of Schofield Brothers, Inc., and as manager of the Attleboro branch office, Freeman Engineering Company. . . .

Robert Fair holds the post of project engineer at Connecticut General in Hartford, Conn. . . . **Robert Hart** is employed as an operations researcher for the U.S. Army Communications Research and Development Command in Ft. Monmouth, N.J. . . . **Daniel Lapen** works as a research chemist at Coulter Biomedical, Concord, Mass. He has an MS from UMass. . . . **Ronnie Materaniak** has obtained registration as a professional engineer in Delaware. He is being transferred to du Pont's Construction Division at the Richmond (Va.) plant on a two-year rotational assignment. He is working on his MBA "between job transfers." . . . Continuing with the Veterans Administration, **James McKenzie** is presently with the Office of Construction as a resident engineer in Washington, D.C. . . . **Paul Menard** has received his PhD in chemistry from Ohio State University in Columbus.

Laurence Michaels is now a senior systems programmer-analyst at Applied Data Research, Inc., Princeton, N.J. Previously, he was with Whitlow Computer Systems in Englewood Cliffs. . . . **Ralph Miller** works as a nuclear equipment operator at Southern California Edison in Santa Ana. . . . **M. Graham Noll** is with Analogic Corp., Danvers, Mass. . . . **Toby Reitzen** serves as a gas process engineer for Mobil Oil in Chickasha, Okla. . . . **Michael Schultz** is a graduate research assistant at MIT.

1976

Secretary:
Paula E. Stratouly
1804 Windsor Ridge Dr. t
Westboro, MA
01581

REUNION

OCTOBER 3-5

Representative:
Richard P. Predella, Jr.
40 Hawthorn Rd.
Braintree, MA
02184

►**Married: Karl S. Johanson** and Miss Shalene Nayar on February 2, 1980, in Bombay, India. The bride attended schools in Bombay, New Delhi, and England. The groom has been a customer support representative for Pratt & Whitney Aircraft since 1976. He was based at Air India from 1977 to 1980, assisting with B-747 operations. This May, he relocated to Garuda Airlines at Jakarta, Indonesia, to assist in their B-747 operations. . . . **John V. Bucci** to Susan K. Dillen on December 29, 1979. The groom was recently promoted to manager of materials at GE Datacom in McAllen, Texas.

►**Born:** to Mr. and Mrs. **James R. Cullinane** a son, Jason Stephen, on April 16, 1980. Jim is with Grinnell Corp. in Providence, R.I. The family resides in Norfolk, Mass.

Richard Allen works as a project engineer at Dufresne-Henry, Manchester, N.H. He holds an MSCE from the University of Washington. . . . **Charles Bellemer** is a chemist at Janco in Dover, N.H. . . . **Keith Bennett** serves as a project engineer at Air Products & Chemicals in Paulsboro, N.J. He, his wife, Kim, and one child live in Bellmawr. . . . **Charles Bohling** is employed as a computer programmer at Mission Research Corp., Albuquerque, N.M. . . . **Mark Coulson** holds the post of nuclear shift test engineer at General Dynamics-Electric Boat, Groton, Conn. . . . **Richard Crafts** is a process engineer at Occidental Chemical, White Springs, Fla. . . . **Thomas Descoteaux** is with the estimating department at Della Construction Co., Inc., Enfield, Conn. . . . Presently, **Les Erikson** is employed as general manager at Norton Co. in Arden, N.C. He and Carol have three children. . . . **Ed Floyd** serves as a design engineer at Dufresne-Henry in North Springfield, Vt.

Riley Stoker, Worcester, employs **James Galvin** as a construction engineer. He has an MSCE from Stanford. . . . Still with Eastern Utilities Associates Service Corporation, Lincoln, R.I., **Robert Grande** was recently transferred to the system planning section. . . . **John Grenier, Jr.**, works as a programmer II at Norton Co., Worcester. The Greniers have a son, Michael. . . . **Raymond Houle, Jr.**, continues as general manager of Precision Products, the family business located in North Smithfield, R.I. The firm produces calculator keyboard assembly equipment, precision welding fixtures, automatic choke inspection gauges, and was certified to work on the Apollo program. Recently, the company moved

into larger quarters with room for expansion. . . . **Benjamin Jacobs** is a self-employed actor and acting teacher in Portland, Oregon. . . . "B. J." **Johnson** is now associate group manager for Prudential Insurance in Boston. He is chairman of the WPI Homecoming Committee. . . . **Steven Landry** serves as a chemical officer with the U.S. Army in West Germany.

Andrew Marcus writes: "It appears that the WPI plan works. I've been working for the same firm, F. L. Smidth & Co., for three years." Presently, he is assistant contract manager. Earlier, he had been a project engineer, then project manager. His firm, based in Copenhagen, is a manufacturer-designer of Portland cement equipment and plants. "One of the reasons I picked WPI was that there wasn't a language requirement. Because of the fact that most of our plants are in Mexico and South America, I now know Spanish!" . . . **Robert Milk** is director of data processing at Electronic Data Systems, Raleigh, N.C. . . . In February, **William Ruoff** joined Gas Service, Inc., in Nashua, N.H., as a gas distribution engineer.

Craig Self is with Polaroid Corp., Cambridge, Mass. . . . **Thomas Stowe** is a test engineer at Pratt & Whitney Aircraft, East Hartford, Conn. . . . **Lance Sunderlin** holds the position of supervisor of the insulating department at Anaconda Industries in Watkinsville, Ga. . . . Albany International Corp. of Glens Falls, N.Y., employs **Thomas Vaughn** as a sales engineer. He covers New England paper mills in his sales territory and is located in Nashua, N.H. . . . Currently, **David Wolff** works for ASA, Inc., a software house in Southboro, Mass. As a programmer-analyst and project leader, he heads a group of 75 people. . . . Recently, **Neal Wright** was assigned as maintenance officer for the 642d Engineer Equipment Company (CS) at Fort Devens. He is responsible for over 140 pieces of engineer equipment. The 642d Engineer Company has been commanded by two other WPI alumni, **Thomas Beckman**, '73, and **William Baker**, '76. . . . In May, **Brian Young** received his MBA from Widener University, Chester, Pa.

1977

Secretary:
Kathleen Molony
6 Aiken St
Norwalk, CT
06851

Representative:
Christopher D. Baker
11 Boston St.
Lawrence, MA
01841

Michael Abrams, who is studying for his MSEE at Vanderbilt University, works as an electronic technician at Northern Telecom in Nashville, Tenn. . . . **Carol Sigel Baran** is with Charles T. Main, Boston. . . . **Jeffrey Baumer** works as a manufacturing engineer at Pratt & Whitney Aircraft in North Berwick, Me. . . . **Brian Belliveau** is employed as a division sales engineer at Westinghouse-Sturtevant Division in Hyde Park, Mass. . . . **Greg Cipriano** is a project engineer at Instrumentation Laboratory, Lexington, Mass.

Leonard Clow, a graduate student at Kansas State University, Manhattan, Kansas, is affiliated with the biochemistry department. . . . **Lawrence Coel** is a sales administrator at Interex Corp., Natick, Mass. . . . When the tall ships visited Boston at the end of May, **Bill Cunningham** was again on hand as he had been in 1976 with his silk-screening business. His temporary business cards read: "Tall Ships Marketing, Boston-crafted silk-screened apparel." Bill says he sold most of his stock before the event was over. . . . **Michael DiMascio** serves as vice president of Briggs Engineering in Norwell, Mass. . . . **Paul Hajec** has accepted a new post as senior transportation planner for the Merrimack Valley Planning Commission in Haverhill, Mass. . . . **Barbara Hatch** is employed as a production engineer at Thiokol/Specialty Chemicals Division, Newell, West Virginia.

1/Lt. **William Lee** is currently a battery commander with the U.S. Army in Europe. Later this summer, he will be located in San Antonio, Texas. . . . **Jerry Melcher** serves as an application engineer at Moore Systems in San Jose, Calif. . . . **Eric Paulson** holds a post as commander with the U.S. Army at Ft. Stewart, Ga. . . . 1/Lt. **Marc Richard**, who recently received his MSEE from MIT, is now with the Joint Tactical Communications Office in Tinton Falls, N.J. . . . **Peter Rudman**, a first lieutenant in the U.S. Army, transferred from the Signal Corps to the Finance Corps in March. He is stationed in Germany. . . . **Andrew Sayles** is with Walsh Construction Company, Darien, Conn.

Mike Sullivan writes: "Finally back in New England after two years in 'Frostbite Falls,' Minn. [Rochester, Minn.]" Presently he is with IBM in Essex Junction, Vt. . . . **Ted Tamburro** serves as a 1/Lt.-ADP officer for U.S. Army Management Systems Support Agency in the Pentagon, Washington, D.C. He and his wife Judy live in Alexandria, Va. . . . **Robert Ware**, who has an MS from Cornell, is a graduate student and research assistant in the chemical engineering department at MIT.

1978

Secretary:
Cynthia Grynick
303 Wolcott Ct.
Waterbury, CT
06705

►**Married:** **Robert A. Brown III** and Gail M. Beaugard in Gardner, Massachusetts, on April 19, 1980. The bride, a graduate of Bay Path Junior College and Rivier College, teaches at Gardner High School. The bridegroom serves as a design engineer at Harris Corp., Westerly, R.I. . . . **Joseph Maslar** and Wanda Wells on December 21, 1979. The groom is a sales manager at Datametries, Inc., Wilmington, Mass. . . . **David T. Markey** and Regina A. Carcieri on April 26, 1980 in Providence, Rhode Island. Mrs. Markey attended Rhode Island College and works for Almac's Inc. Her husband is with Sikorsky Aircraft, Stratford, Conn. . . . **Stephen W. Robichaud** and Colette M. LaChance in Gardner, Massachusetts, on November 24, 1979. The groom will finish the GE Manufacturing Management Program in July. He has been serving as a buyer and is now working with solar-wind-nuclear energy. . . . **Alan E. Simakauskas** and June Carroll on October 20, 1979, in Spencer, Massachusetts. The bride, a medical secretary at Cape Cod Hospital, Hyannis, graduated from Becker. Her husband is with Butler Automatic, Inc., Canton, Mass.

►**Born:** to **Robert** and **Robin Paisner Chapell** their first child, a daughter, Melanie Ann, on April 22, 1980. Chapell is a project engineer at Linenthal Eisenberg Anderson, Inc., Engineers, in Boston.

Anthony Allis holds the post of president of Microwave Systems Engineering Corp., A&J Marketing, and National Idea Development. He is secretary of A. J. Allis Dairy Co., Inc., and is located in Scarsdale, N.Y. . . . **Paul Avakian** is with NEC Micro-Computer, Wellesley Mass. . . . **Paul Cody** is employed as a field service engineer at Westinghouse Electric Corp. Engineering Service, Framingham, Mass. . . . **Wallace Davis III** is supervisor of environmental sciences for the Washington Public Power Supply System in Richland. . . . **Adrienne Dill** is with Haley & Aldrich, Inc., Cambridge, Mass. . . . **Raymond Dunn** starts his third year at Albany (N.Y.) Medical College this fall. "From then on it's full time till May 1982." . . . **Mladen Eic** serves as technical manager for "Jugoinspekt" in Yugoslavia. . . . **Bryce Granger** now works for Akron Standard as a project engineer. . . . **William Heberling III** is employed as production engineer for Zachary Organs in Parsippany, N.J. Recently, he oversaw the design of a one-man band type of instrument with drums, bass, guitar, and violins.

What handicap?

JOHN PAVAO, '79, has a lot going for him, according to his boss at the Naval Underwater Systems Command (NUSC) in Newport, Rhode Island. Another colleague says, "we'd greatly appreciate having other graduates like John referred to NUSC. They make fine professionals."

Pavao, a computer specialist, has demonstrated proficiency in his profession and devotion to duty on his various job assignments, in spite of what many would consider unsurmountable odds.

John was born blind. Blindness, however, has never deterred him from reaching his goals. Currently he works as a permanent employee deeply involved in developing a computer software program for the Acoustic Range Tracking (ART) system which will be used at AUTEK, the Atlantic Undersea Test and Evaluation Center, located on Andros Island in the Bahamas.

To facilitate his work, John uses a teleprinter that prints Braille; a Braille writer; a telewriter; and a talking calculator. He can read normal print by using an optacon, which uses an electronic system to scan letters and numbers and translate them into impressions he can read with his fingertips.

John, a graduate of Perkins Institute for the Blind, Watertown, Mass., has been interested in computer science for a long time. At WPI he became adept at programming many of the popular computer languages, including FORTRAN, BASIC, COBOL, and microprocessor machine languages.

Following his graduation from WPI, Pavao was interviewed by a number of company recruiters through the Office of Graduate and Career Plans, but he was unable to

secure a position because of economic considerations. "I discovered," he explains, "that companies were unwilling to hire me unless I could provide my own Braille terminal. They didn't have Braille terminals available, and I couldn't afford to buy one myself."

Before finally joining the staff at NUSC, where equipment for the handicapped is available, John received a 700-hour temporary appointment which he passed with flying colors. John is very happy with his permanent post at the Sound Laboratory, which was offered to him after the trial period.

"Actually, it was a hobby that eventually led me to NUSC," John reveals. "I enjoy operating ham radios, and several years ago I became friendly with another ham radio enthusiast, Tom Riley, who is my current boss. It was through his efforts that I was able to take advantage of the job opportunity at the laboratory."

Able-bodied, well-trained, and capable, John displays a great deal of self-confidence. His co-workers feel that he has no handicap whatsoever. He routinely walks unassisted from his office in Building 111 to Building 103 for negotiations on computer technology. Every day he rides to and from his job in a carpool from Dighton, Mass., where he lives with his parents.

After hours, his interests are varied and many. He's an avid sports participant and regularly engages in swimming, jogging, bowling, and shooting baskets.

Carl Klein has accepted a new job as production supervisor of switch assembly and molding in the GE Wiring Device Dept., Middletown, R.I. He will attend Harvard Business School this fall. . . . Presently, **Ken Kummins** holds the position of principal engineer for E.D.S. Nuclear at the Commanche Peak Site in Fort Worth, Texas. Also a consulting engineer, he is working in a group that's doing safety analyses on the plants. He expects to be in Texas for a couple of years. E.D.S. Nuclear, a consulting firm, has offices in San Francisco, New York, Atlanta, and Paris. . . . **Scott Lentz** serves as process control engineer at the Foxboro Co. in Chamblee, Ga. . . . **Kathryn Lyga** is a design engineer at CE-KSB Pump Co., Portsmouth, N.H. . . . Advent Corp., Cambridge, Mass., employs **Brian McLane** as a television design engineer. He is involved in the design of economy projection television. . . . **Edward Menard** is a firmware engineer at Qantel Corp., Hayward, Calif.

Stephan Mezak holds the post of computer resources manager at Eaton Corp. in Sunnyvale, Calif. . . . **Richard Ruscito** is employed as a process supervisor at W. R. Grace-Davison Chemical Division, Baltimore, Md. . . . **Philip Scarrell** is a first line supervisor with du Pont in South San Francisco, Calif. . . . **Gregory Smith** works as a sales engineer at F. K. Smith Co., Inc., Hamden, Conn. . . . **Andrew Tannenbaum** is now an information systems staff member in the Sonar Systems Development Department of Western Electric, Whippany, N.J. . . . **Jeff Toran** is employed by du Pont's R&D facility in Wilmington, Delaware. He just received his master's from WPI. . . . In February, **Bettina Tuttle** transferred from GE in Ohio to GE-Plastics in Pittsfield, Mass., where she is a process engineer. While in Ohio, she coached a YMCA swim team (12 to Nationals). In Pittsfield she teaches handicapped children skills and sports. She is taking night courses for her MBA.

1979

Secretary
James Manchester
625 Main St.
Reading, MA
01867

Representative
Donald O. Patten, Jr.
27 French St.
Hingham, MA
02043

►**Married: A. Michael Blaney** and Marlene M. Livingstone in Southboro, Massachusetts on April 12, 1980. The bride attended Aquinas Junior College. . . . **Anthony Doornweerd** and Elizabeth A. Rivers on May 16, 1980, in Branford, Connecticut. Mrs. Doornweerd graduated from Becker.

Edward Anderson, Jr., has joined Megakit Corp., Santa Clara, Calif. . . . **Rick Bonci** serves as a process engineer at Monsanto Textiles Co., Decatur, Alabama. . . . **Stephen Caputo** is taking a GE technical program in Auburn, N.Y. . . . **Douglas Clark** works as a design engineer at Pratt & Whitney Aircraft, East Hartford, Conn. . . . Dewey & Almy Chemical Division of W. R. Grace & Co., Lexington, Mass., has employed **John Craffey** as a process engineer in new product development. . . . **Thomas Dinan, Jr.**, is at the University of Illinois at Urbana-Champaign. He belongs to the Electrochemical Society and the American Institute of Chemical Engineers. . . . **John Etrie** serves as a purchasing agent at Coghlin Electric Co., Worcester. . . . **Mary Farren** was promoted to associate engineer at IBM.

Ken Fast is employed as a junior engineer at Engineering Incorporated in Hampton, Va. . . . **Michael Gabriella** works as a water quality control engineer for the Division of Water Pollution Control in Westboro, Mass. He is a member of the chorus and quartet of the Society for Preservation of Barbbershop Quartet Singing in America. . . . **Steven Gottschalk** has accepted a post as associate engineer at Perkin-Elmer Optical Technology Division in Danbury, Conn. . . . **Robert Hart** has joined the sales office in Trane Company's Commercial Air Conditioning Division, Los Angeles. Recently, he completed the Trane Graduate Engineer Training Program, a six-month course concentrating on specialized heat transfer theory and practice. Trane is a leading manufacturer of air conditioning, refrigeration, and heat transfer equipment for commercial, residential, industrial, transport and special process applications and has facilities worldwide.

William Herman serves as a systems analyst at Arthur Andersen, Hartford, Conn. . . . **Lorraine Kikuta Hunt** is a quality control engineer at DEC, Westfield, Mass. . . . **Brian Johansson** is employed as a development engineer at Motorola, Inc., Plantation, Fla. . . . **Paul Keary** is a composite structural engineer at Boeing Co., in Washington. . . . **Leonard Kleczynski** is employed as a project engineer at Markem

Corp., Keene, N. H. . . . **Peter Kujawski** is a chemical staff officer with the U.S. Army at Ft. Ord, Calif. . . . Procter & Gamble, Mehoopany, Pa., employs **Douglas La-Brecque** as a team manager. . . . **Stephen Lefemine** works as a sales application engineer at Warren Pumps, Warren, Mass. . . . **Lawrence Leduc** serves as a project engineer at Carl Gordon Industries, Worcester. . . . **Sheng Lung Lien** is now with Monsanto in St. Louis, Mo. . . . Presently, **Ian Mair** is employed as a research metallurgist with Lukens Steel Company, Coatesville, Pa.

John Moses is with A. D. Little in Cambridge, Mass. . . . **Peter Mullarkey** holds the post of project engineer at CTL/Thompson, Inc., in Denver, Colo. . . . **Paul Norton** serves as a junior engineer at Gannett-Fleming, Camp Hill, Pa. . . . **John Osborne** is employed as a field sales engineer at GE in Schenectady. . . . **Chris Ratti** (not "Patti" as erroneously printed in the spring issue of the *Journal*) continues as plant supervisor at Engineered Plastics Products, Inc., in Stirling, N.J. . . . **Kenneth Sawyer** holds the post of analytical engineer trainee at Pratt & Whitney Aircraft in East Hartford, Conn. . . . **John Skliutas** is working for his master of engineering in electric power at RPI. . . . Currently, **Timothy Spera** is with Honeywell EOC in Lexington, Mass. . . . **Joseph Spinn** is employed as stability engineer at Pratt & Whitney Aircraft in West Palm Beach, Fla. . . . **Michael Tabaczynski** has accepted a post at Raytheon in Wayland, Mass. . . . Marine 2/Lt. **Gregory VanHouten** recently graduated from Basic School located in the Marine Corps Development and Education Command in Quantico, Va. The school prepares newly commissioned officers for assignment to the Fleet Marine Force and emphasizes the duties and responsibilities of a rifle platoon commander. Training included instruction in land navigation, marksmanship, leadership, and teamwork in the 26-week course. . . . **Felix Vargas** is with CHU Associates in Littleton, Mass. . . . **Douglas West**, an MSEE student at WPI, serves as a teaching assistant in the EE department.

SCHOOL OF INDUSTRIAL MANAGEMENT

John Greenaway, '54, holds the post of chairman at Peterson Steels, Inc., Avon, Conn. The firm is a division of SKF Steel.

Richard Seymour, '75, has been named production superintendent at New Hampshire Ball Bearings, Inc., Peterborough, N.H. Formerly, he was with Reed and Prince Company in Jaffrey. He has an extensive background in all phases of design, production, and plant engineering, and has a BSME from WPI.

Ronald Butler, '76, was promoted to chief engineer at CPC Engineering Corporation. During his 18 years with the firm, he has served as project engineer, quality control manager, plant engineer, and production manager. He is a graduate of Worcester Junior College, and is on the advisory boards of three vocational high schools: Tantasqua, Worcester Vocational, and WITI. The Sturbridge resident is vice chairman of the American Welding Society and a member of the board of the Tri-Community YMCA, where he serves as chairman of the house committee. He also belongs to the U.S. Coast Guard Auxiliary.

Bay State Abrasives, Westboro (Mass.) has announced the appointment of **Everett Peterson, '79**, to the post of manager of manufacturing control. He graduated from Northeastern. With Bay State since 1965, he most recently served as senior industrial engineer. He is a past president of the American Institute of Industrial Engineering, Worcester chapter.

NATURAL SCIENCE PROGRAM

Robert Kelley, '60, an associate professor in the natural science-physics department at Worcester State College, was recently named the first "Science Educator of the Year" by the Massachusetts Association of Science Teachers. The new award is designed "to recognize persons making outstanding contributions to science education in the Commonwealth of Massachusetts." Kelley earned his EdM in science education at Boston University. He was chairman of the founding committee of the Massachusetts Association of Science Supervisors and has been president of the Association, and chairman of the 1977 eastern convention of the National Science Teachers Association. He has received awards for outstanding work from the M.A.S.S., the Civil Air Patrol, and the National Aeronautics and Space Administration.

Jim O'Brien, '60, is currently a professor at Boston State College, Boston.

Dr. **Jerry Jasinski, '68**, presented a Citizen's Workshop on Energy and the Environment on May 7th in Newport, N.H. The highlight of the presentation was the use of the energy-environment simulator, a specially designed electronic computer which enables workshop participants to play the roles of energy decision makers. In the game, they allocate the world's energy resources to meet growing demands. The program was given under the auspices of DOE. Dr. Jasinski is assistant professor of chemistry at Keene State College. He belongs to the ACS, Sigma Xi, and the American Association for the Advancement of Science.

Ernest DiMicco, '74, was chosen by the National Association of Student Councils to present a workshop at its national convention in Arizona in June. DiMicco is a science teacher, and adviser to the Coventry (R.I.) High School Student Council. A graduate of Providence College, he holds a master's from WPI and has studied at Penn State and URI. Under his leadership, the Coventry High School Student Council has become one of the most active and respected in the country.

Michael O'Keefe, '74, is senior associate at Management & Advisory Services, Burlington, Mass. He, his wife, Donna, and one child live in Pelham, N.H.

How much is it worth? Well, I don't know, but I know someone who does

HE'S APPRAISED EVERYTHING from the Empire State Building to the Golden Gate Bridge.

Lee P. Hackett, '61, president of American Appraisal Co., the world's biggest tangible and intangible property appraiser, seems to have touched all bases. "Along the way, we've appraised professional baseball, football, and hockey teams." Hackett's firm has also evaluated the worth of the bankrupt Penn Central Railroad, an ITT space communications satellite, the Alaska pipeline, steel mills in South America, and the Lincoln convertible limousine in which President John F. Kennedy was riding when he was assassinated in 1963.

"As a rule, we stay away from art objects and private residences," Hackett continues, "but we have done work for 60 percent of the firms on the Fortune 500 list."

Hackett, a Vermont native, joined the Milwaukee-based firm after receiving his BS in electrical engineering from WPI and serving as a lieutenant in the Army Signal Corps. In 1974, he received his MBA from the University of Chicago, and he now discusses investment tax credits and component depreciation as easily as watts and volts. And after years of traveling around the world, appraising everything from sole proprietorships to huge copper mines, he has scarcely a trace of his New England accent left.

His Yankee trader savvy, however, is still intact. Hackett doesn't allow American Appraisal to rest on its laurels. He continues to beat the bushes around the world looking for ways to make a buck. He is forever coming up with new ideas to better serve his clients, while still maintaining the image of an easy-going,

"plain-folks" individual. Easy-going or not, Lee Hackett is not one to come out second-best in a business deal. For example, not long ago he charged the State of New York \$800,000 for appraising the state university system, the largest in the country.

"We put a value on every desk, building, and piece of land in the system," he says. The company also offered the state a continuing update service so that it could make accurate budget forecasts. "That was my biggest assignment. It took two years to complete."

American Appraisal is a subsidiary of American Appraisal Associates, Inc. It accounted for half the parent company's revenues last



year. Hackett predicts that his firm will be earning \$40 million annually by 1984. A Milwaukee financial analyst familiar with American Appraisal agrees with that forecast. He says the company does a good job of selling its services: "It's a people company. It doesn't make anything, but it thrives on expertise."

American Appraisal is a well-established business, which originated in Milwaukee purely by

accident. "Back in 1896," Hackett explains, "the founders left Minneapolis to go to Chicago, where they planned to set up a company staffed by experts who could make impartial property valuations that could stand up in court. They traveled by night train and mistakenly got off at Milwaukee instead of Chicago. Unruffled, they decided to set up shop where they were. The Joseph Schlitz Brewing Company was their first customer."

Soon the company was recognized as a leading expert in the areas of insurance, mergers, and property tax matters. Today, American Appraisal has 250 appraisers and 500 staff members, including salesmen, engineers, financial analysts, economists, and other specialists skilled in the collection and interpretation of knowledge. Data flows through the computer system 24 hours a day from the field force, from information services, and from staff calculations servicing tens of thousands of clients.

Hackett notes that his company spends \$1 million a year on subscriptions to publications and other data collection services, plus another \$1.5 million on travel expenses, all in the name of adding services. "Our aim is to provide the client with a complete package of information and assistance that will tell him how much he is worth, how well he is doing, and how much he can improve his situation."

Lee Hackett has spent nearly half his 40 years with American Appraisal. He has helped to make it prosper, and he hopes to lead it to greater heights in the future. Although business keeps him busy, he does manage to find time to do other things. For example, he serves on the enrollment committee at Milwaukee School of Engineering; he's finance director for the Milwaukee Tennis Classic; and he's a member of the University Club and the Association for Corporate Growth. During the summer he escapes to the Arctic, fishing, and in the winter he can be found skiing in Colorado and Utah.



George H. Ryan, '08, a retired head chemist for White & Bagley Co., Worcester, died on May 11, 1980 in Millbury, Massachusetts. He was 93 years old.

A Millbury native, he lived there all of his life with the exception of 16 years (1908-1924) which he spent in Montana as a sheep rancher. He graduated from Worcester Academy in 1904. In 1908 he graduated as a chemist from WPI. For 34 years he held the post of head chemist at White & Bagley Co. from which he retired in 1956.

He belonged to Sigma Xi, the Millbury Baptist Church, and was a 50-year member of the American Chemical Society. He was a past president of the Worcester chapter of the ACS and a life member of the Meridian Lodge of Masons in Cascade, Montana.

Winfield S. Jewell, Jr., '15, of Grosse Pointe, Michigan, died on March 24, 1980.

He was born on August 29, 1893 in Indianapolis, Ind. In 1915 he received his BSEE. During his career he was with GE, Studebaker, Jewell-Bassett-Jewell, Ready Power Co., Jewel Motors, and White-Haines Optical. For a number of years he was self-employed and associated with Maxon, Inc., as a real estate agent.

Mr. Jewell belonged to Phi Gamma Delta and the Senior Men's Club of Grosse Pointe. He was a veteran of World War I. At one time he was president of the Detroit chapter of the Alumni Association.

John P. Comstock, '16, internationally known naval architect, died of a heart attack in Newport News, Virginia, on January 29, 1980. He was 85.

The former chief naval architect at Newport News Shipbuilding, he was honored in 1960 by the National Society of Naval Architects and Marine Engineers for notable achievement in his field throughout his career.

He was a life member of the Society, belonged to Sigma Xi, and was also a life member of the Royal Institution of Naval Architects, United Kingdom, and a life member and past president of the Engineers Club of the Virginia Peninsula. He published over 70 technical papers in the naval architecture field.

In 1916, he received his BSCE from WPI. In 1919, he earned a BS in naval architecture from MIT. Following graduation, he was employed at the old Cramp's Shipyard until 1927. Later, he was with the Marine Engineering Corporation, and the New York Shipbuilding Corporation in Camden, N.J. In 1929, he became associated with the naval architectural firm of Theodore E. Ferris, New York City. He joined the well known Newport News Shipbuilding and Dry Dock Company in 1931, starting out as a draftsman and retiring as naval architect in 1960.

Mr. Comstock helped with the development of the towing tank at Newport News, and channeled its activities into the most productive fields. His colleagues have said of him, "His contributions to naval architecture on a worldwide basis have been magnificent."

Since his retirement in 1960, he had been a lecturer at the Mariners' Museum and a reading instructor with the Peninsula Literacy Council. For many years, he was a ruling elder in the First Presbyterian Church of Newport, and more recently a member of the Hidenwood Presbyterian Church. He was born on Jan. 12, 1895 in Waterford, Conn.

Frank J. Murphy, '18, who graduated from WPI as a mechanical engineer, died on February 26, 1980.

Chester A. A. Peterson, '18, died in Brockton (Mass.) Hospital on March 1, 1980, following a long illness.

He was born on Sept. 12, 1896, in Brockton, and later studied civil engineering at WPI. During his lifetime he had been principal at Vanceboro (Me.) High School, and had also been employed by the Maine Central Railroad; the city engineer's office in Quincy, Mass.; and the Town of Stoughton (town engineer). Prior to his retirement in 1961, he was the home office representative of the Prudential Life Insurance Co. for 30 years.

Mr. Peterson belonged to Sigma Phi Epsilon. He was a member of the Congregational Church of North Easton, where he was editor of the church paper, "Tidings." A former deacon, he was a past president of the church Friendship Club.

Ralph F. Tenney, '18, passed away in Summit, New Jersey on March 16, 1980.

A native of Leominster, Mass., he was born on March 12, 1897. In 1918 he received a BS in chemistry from WPI, and in 1920, his professional degree in chemical engineering. He belonged to Sigma Xi and Tau Beta Pi.

After serving as a private in the Chemical Warfare Service of the U.S. Army, he briefly joined MIT as a chemical engineering instructor. He was then a works chemist for Worcester Gas Light Co., and a gas production manager for the Long Island Lighting Co. From 1947 to 1953, he was chief of the operating section, coal gasification and gas synthesis, at a coal-to-oil demonstration plant for the U.S. government. From 1953 until his retirement in 1964, he was a chemical engineer at a government anthracite experiment center.

Mr. Tenney belonged to the American Gas Association and the Masons. He was the brother of **Harry Tenney, '20**.

Rear Admiral **Richard S. Morse, U.S.N.** (retired), '19, of Sea Ranch, California, died on December 2, 1979, at the age of 82.

He was born on Feb. 22, 1897, in Marlboro, Mass. After attending WPI, he entered the U.S. Naval Academy from which he graduated in 1920. He spent his entire career in the Navy, starting out as a midshipman and retiring in 1947 as a rear admiral. From 1948 to 1965 he served as secretary and assistant treasurer of the Argonaut Insurance Co.

Admiral Morse received the Defense Ribbon, one star, in World War I and World War II, and he was cited for his service in the 1919 Haitian campaign and the Asiatic Pacific campaign. He received the Legion of Merit in the invasion of southern France and the Bronze Star in the Iwo Jima and Okinawa campaigns.

He belonged to Phi Gamma Delta and the Masons.

Homer E. Stevens, '20, of Augusta, Georgia, died on April 23, 1979.

For many years he was with the Worcester Fire Department, which he served as captain. He was born in Worcester on Dec. 26, 1896, and later became a member of the Class of 1920.

Prior to joining the Fire Department, he worked for Savage Arms Corp., Sharon, Pa., and Crompton & Knowles, Worcester.

Carroll A. Huntington, '21, a founder of and a partner in Huntington, Goodnow, Connors, Inc., died at his home in Wellesley, Massachusetts, on March 31, 1980. He had been incapacitated from a stroke suffered ten years ago. He was 81.

In 1945 he helped establish his insurance brokerage firm in Boston. In 1973, the offices were moved to Wellesley. The company specializes in commercial property coverage. Prior to founding the company, he was a salesman-engineer for Improved Risk Mutuals of Boston.

A member of the Naval Reserve in World War I, Mr. Huntington also belonged to Phi Sigma Kappa, the Masons, and the 76 Club of Boston. He was born in Barre, Vt., on Sept. 1, 1898. In 1921 he graduated as a mechanical engineer.

Luther C. Small, '22, a former member of the Worcester Housing Authority, died March 3, 1980 in Hyannis, Massachusetts.

He was with the Worcester Housing Authority (WHA) as executive director for public housing and management from 1954 until he retired in 1970 and moved to Cape Cod. As executive director, he was responsible for the maintenance, management, and budgets for over 200 buildings run by the WHA. He was also concerned with the construction and renovation of buildings.

Prior to his WHA appointment, Mr. Small had served as clerk of the works in the restoration of Great Brook Valley and Curtis Apartments which were heavily damaged by the 1953 tornado. Earlier posts had been with R. L. Whipple Co. and Fiske-Carter Construction Co., Worcester.

Mr. Small, a member of the Class of 1922, was born on Dec. 8, 1900 in Westbrook, Me. He graduated from Lee Institute, Boston, where he studied to be a licensed, registered and bonded real estate broker. He was a registered civil engineer. During World War II, he was a lieutenant commander with the 56th Battalion of the Seabees, and formed the first Seabee unit in Massachusetts.

He was a 50-year Mason, and belonged to the Congregational Church, the Massachusetts Retired State, County, and Municipal Employees Association, the AARP, and the American Legion.

Kenneth E. Hapgood, '23, retired director of power and design with the Tennessee Valley Authority, died in a rest home in Chattanooga, Tennessee, on January 9, 1980.

He was born in Hudson, Mass., on March 31, 1899. In 1923 he graduated as an electrical engineer from WPI. During his lifetime, he was with GE, Allied Engineers, and the Tennessee Valley Authority. While with the TVA, he made a number of business trips to Europe and Taiwan. In 1964, he was appointed to the Federal Power Commission.

A fellow of IEEE, Mr. Hapgood also belonged to CIGRE (the Conference International des Grandes Reseaux Electrique) and NSPE. He was a registered engineer in Tennessee, and a member of the Chattanooga Engineers Club and the Congregational Church. He had been listed in "Who's Who in Engineering" and "Who's Who in America." At one time he served as president of the Schenectady chapter of the Alumni Association.

Edward B. Johnson, '23, of Garden City, New York, passed away recently.

A native of Wethersfield, Conn., he was born on Aug. 16, 1899. He graduated in 1923 as a civil engineer. From 1925 to 1927 he was with Western Union. In 1927, he joined Franklin Society Federal Savings and Loan Association, and retired as assistant vice president in 1964. He belonged to Theta Chi.

Richard L. Kimball, '24, of Ocala, Florida, formerly with Gibbs & Hill, Inc., died on January 10, 1980. He was 77 years old.

Following his graduation as an electrical engineer, Mr. Kimball was an employee of Westinghouse Electric & Mfg. Co. for ten years. For the next three years he worked for the Federal Power Commission. He then joined Gibbs & Hill, Inc., New York City, from which he later retired as chief systems engineer.

He was a professional engineer and a member of AIEE, the American Railway Engineering Association, and ASME, as well as CIGRE (the Conference International des Grandes Reseaux Electrique). He served on the Elmer A. Perry Board of Awards.

Mr. Kimball was born on March 8, 1902 in Springfield, Mass. He was a member of Lambda Chi Alpha, Tau Beta Pi, and Sigma Xi. His grandfather was Alonzo Kimball (deceased), an early WPI faculty member who planned the interior of the magnetic laboratory (Skull Tomb); designed the WPI seal; and founded the Electrical Engineering Department.

Thomas D. Perry, '24, retired mechanical engineer for Atlas Design Co., passed away on February 12, 1980 in Holyoke, Massachusetts.

He was born on Dec. 17, 1902 in Chicopee, Mass., and was a member of the Class of 1924. He belonged to Sigma Alpha Epsilon, the Massachusetts Society of Professional Engineers and Engineering Societies of New England. Other affiliations were with Associated Engineering Co. and United Engineering Co., both of Springfield, and with A.G. Spaulding & Bros. of Chicopee.

Waldo E. Tillinghast, '24, of Brooklyn, Connecticut, died recently.

He belonged to Sigma Alpha Epsilon. A member of the Class of 1924, he later became a funeral director in Moosup, Conn., and then a partner in F.W. Tillinghast Sons in Danielson, Conn.

Arthur R. Brown, '26, of Sun City, California, is deceased.

He was born in Gardner, Mass., on July 25, 1904. In 1926, he received his BSEE from WPI, and in 1928, his professional degree. For many years, he was a senior engineer at Westinghouse Electric Corp., Columbus, Ohio.

Mr. Brown was a registered professional engineer in Massachusetts. He belonged to the Franklin County Chapter of the Ohio Society of Professional Engineers.

Salvatore F. Marino, '28, WPI senior class president and business manager of the first *Peddler*, died on February 23, 1980 in Bristol, Connecticut. He was 77.

He was born in Plainville, Conn., on June 15, 1902, and received his BSME in 1928. Before entering WPI in 1924, he was a draftsman at Marlin-Rockwell in Plainville. After graduation, he worked in New York and Boston on the design and installation of steam power plant equipment. From 1935 to 1957, he was with the New Departure Division of GMC of Bristol, where he became chief product engineer and was granted several patents. From 1957 until his retirement in 1965, he was senior application engineer for the Fafnir Bearing Company of New Britain, Conn.

Mr. Marino had been a Republican selectman in Plainville, had belonged to St. Joseph's Church, and was an honorary life member of the Knights of Columbus. He also belonged to Tau Beta Pi. Interested in music, he started playing the organ and the piano at an early age. He sang in several choral groups and glee clubs in Connecticut. Besides traveling extensively with his wife, Helen, he found time to compile a family tree and to write a family history dating back to 1800.

Joseph E. Totas, '31, a retired industrial engineer from the former Worcester Works, died on March 13, 1980 in St. Vincent Hospital, Worcester, at the age of 71.

With Worcester Works, U.S. Steel, for over 30 years, he retired when the company closed. He was born on Jan. 11, 1909 in Worcester, and was a member of the Class of 1931.

Mr. Totas was a registered professional engineer and land surveyor in Massachusetts. He was a member of the Greendale Retired Men's Club, Lithuanian Naturalization and Social Club, and St. Joan of Arc parish and its Goodtimers Club.

Curtis A. Hedler, '34, of Norwich, Connecticut, passed away recently.

He was a former assistant to the superintendent of production operations at the Northeast Utilities Service Company in Berlin. Also, during his career, he was assistant plant superintendent for Connecticut Light and Power in Uncasville, Conn., and former plant superintendent for the utility at the Montville generating station.

A member of the Society of Professional Engineers, Mr. Hedler's other affiliations were with Sigma Phi Epsilon, the Masons, and the Boy Scouts. He had served as a WPI class agent. He was born on May 16, 1911 in Taftville, Conn. In 1934 he received his BSEE from WPI.

Robert B. Keith, '38, who retired eight years ago from U.S. Steel Corp., died in Key West, Florida, on February 5, 1980.

He was born in Quincy, Mass., on Nov. 22, 1915, and later graduated as an electrical engineer. He was associated with American Steel and Wire and U.S. Steel during his entire career. In 1972, he retired as an industrial engineer.

Mr. Keith was a registered professional engineer in Ohio. Active with the Boy Scouts, he had also served as treasurer of the Cleveland chapter of the Alumni Association.

Dr. Roland W. Ure, Jr., '46, was killed in a light plane crash in Utah on January 24, 1980. He was 54 years old.

After studying at WPI, he received his BS from the University of Michigan, his MS from the California Institute of Technology, and his PhD from the University of Chicago. For nearly twenty years, he was a physicist at Westinghouse. In 1969, he became a professor of electrical engineering, materials science, and engineering at the University of Utah, a post he held at the time of his death.

Dr. Ure was an authority on thermoelectricity. He played a key role in establishing the Hedco Micro Electronic Laboratory in the College of Engineering at the University of Utah. He had served as editor of "Thermoelectric Devices, Energy Conversion."

He belonged to Lambda Chi Alpha, Sigma Xi, Phi Kappa Phi, Tau Beta Pi, and IEEE (senior member). Other affiliations were with the American Physical Society and the American Association for the Advancement of Science.

A native of New York City, Dr. Ure was born on June 22, 1925. He held two patents, and was the author of numerous technical and scientific papers, as well as a textbook on thermoelectricity.

During World War II, Dr. Ure was with the Naval Ordnance Laboratory. He was active with the Cooperative Christian Camping Group for which he led numerous backpacking and four-wheel drive trips. He belonged to the United Church of Christ, and served as president of the Hercules Fliers.

Bernard Siegel, '48, of Ipswich, Massachusetts, died on March 4, 1980.

He was born on May 12, 1926, in Brooklyn, N.Y. In 1948, he graduated as a mechanical engineer from WPI and received his MSME from Columbia in 1949. For many years he was with General Electric in Lynn, Mass. He was a member of AEPI, ASME, and ASNE.

James D. Wilson, '49, a former chairman of the Board of Selectmen in Andover, Massachusetts, died on February 19, 1980, at Lawrence General Hospital following a short illness.

Born in Worcester on April 24, 1920, he later became a student at WPI. In 1949 he graduated with his BSME. For a number of years he worked for Laird deVou, Inc., of Cambridge, which he served as salesman, treasurer-clerk, and engineering consultant.

A registered professional engineer, he was past president of the Merrimac Valley Society of Manufacturing Engineers. He was a Navy veteran of World War II, and he was active with the Episcopal Church, the March of Dimes, and the Boy Scouts. He belonged to the Masons, the American Society of Tool and Manufacturing Engineer, and Phi Gamma Delta.

Richard C. Gillette, '52, president of Star Datacom, Inc., McLean, Virginia, recently passed away.

He graduated as an electrical engineer in 1952, and then received his MA from Trinity College. Among his employers over the years, were Aries Corp., U.S. Industries, Lewis Dobrow & Lamb, Wilson, Haight & Welch, Inc., the Bristol Co., United Aircraft Corp., Motorola, and Telecheck.

A member of the American Economic Association, he also belonged to the Association of Industrial Advertisers, Phi Kappa Theta, and Pi Delta Epsilon. He was a former president of the Washington (D.C.) chapter of the Alumni Association.

Mr. Gillette served as an ensign in the U.S. Navy from 1952 to 1954. He was associated with the U.S. Naval Institute, the U.S. Navy League, the American Platform Association, and the National Yacht Club. He was named to "Who's Who in the South and Southeast."

Francis G. Scarbeau, SIM '63, passed away in St. Vincent Hospital, Worcester, at the age of 53.

He was comptroller at NYPRO, Inc. in Clinton, Mass. Earlier, he had been assistant controller at Riley Stoker, which he joined as an accountant in 1953. In 1956 he was named accounting supervisor and in 1957, accounting manager.

Mr. Scarbeau was a native of Worcester, and graduated from New England School of Accounting.

Raffi H. Hollisian, '77, died of heart failure in Boulder, Colorado, on March 1, 1980.

After WPI, he went to the University of Colorado, where he was studying mathematics and history. Last summer he toured several foreign countries including Armenia, which enriched his strong attachments to his Armenian heritage.



