

■ Winter 1981
WPI journal





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On the cover: A restful wintry scene at Higgins House

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Designer: H. RUSSELL KAY

Typesetting: COUNTY PHOTO COMPOSITING,
INC., Jefferson, 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.

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

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HOMECOMING

for 1980 was a rather special weekend. Scheduled earlier in the season than in previous years, it was blessed with good weather and entertained by a WPI football team that could do the job! Here are some of the highlights of Homecoming 1980, as seen through the eyes of several of the participants.

PLANNING A PARTY can be a lot of fun, especially when your guests pay their own way and a professional staff is in place to help with the details. So when Jim Fee, chairman of the Class of '65's 15th Reunion, asked if I would like to serve on his committee, I was quick to say yes. This was our class's first big reunion since graduation.

Jim, my old fraternity brother and present-day jogging buddy, has a reputation for cutting red tape—lengthwise. But he did a good job of putting together a Reunion Committee, with Ron Greene, Jake Jacobson, Bill Lightfoot, Steve Rudnick, himself, and me. Starting in the fall of 1979, the committee planned, plotted, and worked to make our 15th live up to what people might expect from WPI's centennial class. And judging by the turnout and the reports that filtered back to me, no one was disappointed.

Any report of the day would have to center on Higgins House, the stately 'tudor' mansion, next to the soccer field, that only Mrs. Higgins got to enjoy during our undergraduate days. Now it is part of the campus, and on Homecoming Saturday was headquarters for the Class of '65 Reunion. Guests registered in the lobby, drank bloody marys on the sun porch, and had brunch beneath the high-beamed ceiling of the great hall. There were straw hats for classmates, flowers for their guests, Reunion yearbooks for everyone, and balloons for whomever got to them first.

Higgins House was also the scene for the brief program that followed brunch. Jake Jacobson, who had mailed a questionnaire to class members over the summer, presented the results, some of which were surprising: 64 percent of our classmates are still employed as engineers; 85 percent would, if they



had it to do over again, get their undergraduate education at WPI; 55 percent married their high school or college sweetheart; 81 percent do not smoke; and 83 percent are for Reagan *Editor's note: this was written prior to the 1980 election.*

All Jake's statistics, plus the autobiographies of 86 classmates, are bound into the Reunion yearbook. (If you weren't there and didn't get one, a few copies are still available from the Alumni Office for \$5.00.)

Jake also made a few awards: to **Phil Ryan**, for losing the most hair since graduation; to **Gene Dionne**, for traveling the farthest (from Los Angeles) to attend; to **Phil Bachelder** and **Jack Kelley**, tied in the category of most children, with four each; and, special awards to the two faculty members cited most often in

the questionnaire responses as 'most memorable': **William Grogan** and **John van Alstyne**.

Next, Jim Fee and I became the 'Not Ready For Skull Players,' presenting the highlights and lowlights of our freshman year. Not all the lines were memorable, but the water balloons were a hit, and we decided not to use the fire crackers. The skit proved once again that, although you are only young once, you can be immature all your life.

From Higgins House, people filed down to the football game and the Class of '65 tent, which stood near the field and offered complimentary drinks. There, more than anyplace else, people got to mix, greet old fiends and faculty, and, under a beautiful autumn New England sky, get caught up on 15 years of experiences.

What is most amazing, perhaps, is the positive attitude this class displays toward life in general. Evidence of that seems to jump from almost every page of the Reunion yearbook, where classmates describe their hobbies, travels, professional achievements, patents, families, community and church activities, and advanced degrees. Almost to a man, they testify to their satisfaction with the way things have worked out. Nils Ericksen wrote it one way: "very proud to be a graduate of WPI." But Charles Dufour may have said it best: "We believe the times have been good to us."

—Pat Moran, '65

Memories of the days when
.....

..... You met hundreds of new people during Freshman Orientation, and were overwhelmed trying to remember all their names.

..... You entered the cage ball game, and were trampled by your own team.

..... You attended your first class at WPI and panicked because your professor wrote mathematical formulas on the board with his right hand as he erased them with his left.

..... You placed your first frantic phone call to your parents to say, "send me some **money!** I already spent everything I had."

..... You sat down to take your first exam, and had no idea what the *questions* meant.

..... You ran your first computer program, and then spent all night trying to correct the mistakes before your 8:00 A.M. computer class.

..... You decided to relax on the quad instead of studying for your fluids exam; after all, you didn't need to study since fluids is just common sense.

..... You participated in the Paddle Rush and the Rope Pull, and then wondered why every muscle in your body ached.

..... You attended a concert and some athletic events during a weekend the alumni called Homecoming, and then asked why they called it that!

..... You went home for Thanksgiving and ate enough food to keep you from starving for six months.

..... You shivered as you trudged across the campus during a snow storm, and wondered if the unmerciful wind would push you off the top of the hill. Then you called home to find out how to unlock your car doors once the locks had frozen.

..... You slept day and night for the first week of winter break, and then woke yourself only because you thought you had missed a class.



..... You attended Intersession and had a chance to enjoy such 'intellectual' courses as "Magic in Chemistry," "Belly Dancing," "Mountaineering," and "Ballroom Dancing."

..... You returned for the spring semester and vowed, "THINGS WILL BE DIFFERENT THIS SPRING. I WILL STUDY LESS AND ENJOY CAMPUS LIFE MORE." (And who were you kidding?)

..... You attended Spree Day, and all your course work left your mind.

..... You began to plan your sufficiency, IQP, and MQP: you even set up a timetable which you would later find difficult to follow.

..... You attended Junior Prom Weekend and suddenly realized three years at WPI had passed.

..... You finally accepted the fact that your Sufficiency, IQP, and MQP had to be completed—**SOON.**

..... You began to prepare for your Competency Exam, and then suddenly Commencement drew near.

..... You walked across campus for the last time with your calssmates, received your diploma, and realized your undergraduate days at WPI were over.

..... You attended your first Homecoming as an alumna, and finally understood the meaning of Homecoming.

CERTAINLY each of us has our own individual answer to the question "What Is Homecoming?" Our view of Homecoming may depend on whether we are alumni, faculty, staff, or students of WPI. As an alumna, I feel that Homecoming is a time to meet with many friends from my days at WPI and reminisce about our lives here.

For me, Homecoming is more than a deluge of activities that take place from Friday to Sunday. Each year, the anticipation and excitement of Homecoming begins long

before October. My first thoughts of Homecoming focus on the many people I met while at WPI, and the experiences I shared with them. I think of the valuable friendships formed, not only with my fellow students but also with administrators, faculty, and staff. All of these people gave me a great deal, not of what they *have* but of what they *are*. Because each experience shared with these people had its own special charm, I cherish every memory and draw joy from the thought of every adventure.

From our days at WPI, all of us take more with us than the intellectual part of our lives here. When we meet at Homecoming, we recall all the academic as well as the social bonds we shared. We talk about keeping in touch during the years between Homecomings, and many of us make promises to see each other frequently in the future. Hope we are able to keep these promises.

— Patty Graham Flaherty, '75





Anni Autio, a junior from Norwood, Massachusetts, works part time during the year in the Alumni Office, from where she has a bird's eye view of Homecoming activities. She offers these thoughts:



HOMECOMING alumni returning to their alma mater football game reunions rope pull and more. Is this what it is all about?

Homecoming is a weekend full of activities for both alumni and students. For those who are involved in the preparation of any activity during the weekend, Homecoming becomes a real occasion—extensive planning, suspense as the weekend draws near, running around getting things done, and finally taking part as things happen.

When it finally comes together, Homecoming is really a time to remember: picnic groups spread out around the quadrangle at noontime on Saturday, the Wedge bustling with activity throughout the day with alumni registration, road-race sign-up, reunions, a pre-game celebration party, and much more.

Being a junior at WPI, I have experienced two previous Homecoming weekends. Freshman year I decided to go home, and sophomore year I worked at the registration desk. It was only then that I realized Homecoming was not just a semi-formal dance on Saturday night; it is a weekend for enjoyment! This year, Homecoming was more meaningful because I had a chance to see many of the activities that I had previously overlooked. (And I even found out that, yes, WPI does have a football team!)

—Anni Autio, '82

Glee Club Recordings Available

The WPI Glee Club, which enjoys a high reputation for its musicianship, has, over the past decade, toured and performed in Europe, England, and California. It has also made a number of recordings which have been occasionally available to students and alumni.

Although those past records are out of print, the Glee Club is now planning to distribute tape recordings of their work. These new issues will be available either on cassette or reel-to-reel tape. The sound quality is quite good, the performance level high.

Here are the works which will be available:

From 1970

- Two Christmas Carols—arr. Lefevre
1. Quite Pasteur (The stars looked down)
2. Entre le Bocf (Here between ox and ass so calm)

From 1972

The WPI Glee Club with the Skidmore College Chorus, Louis Curran conducting, recorded at Skidmore
Mass for winds, soloists, and chorus—Igor Stravinsky

Come Again Sweet Love—John Dowland
Soon Ah Will Be Done—arr. Dawson
Er est ein Kindike (tenor J. J. Homko)

The Tour to California

WPI Glee Club with the Wheelock College Glee Club
Saints Bound for Glory—anon.

From 1975

The Tour to England recording

WPI Glee Club with the University of Massachusetts Brass Choir, recorded at Trinity Lutheran Church, Worcester

- Air de Trompette (Walter Chestnut, trumpet) — Giuseppe Torelli
Missa Salve Regina (tenor P. Arcoma, baritone R. Cummings, bass C. Skinner) — Jean Langlais
Crucifixus—Antonio Lotti
Ain'a That Good News—William Dawson
Sister Mary Worc (baritone C. Skinner)—arr. Marshall Bartholomew

The Baker's Dozen:

- All Kinds of Women—Brachell
Vive l'amour—arr. Shaw
Done Made Mah Vow—Whalon
Good Night Little Girl—Shepherd
Skye Boat Song (tenor P. Arcoma, baritone C. Skinner)—Fenno Heath

From 1976

WPI Glee Club with the Smith College Glee Club, Louis Curran conducting, recorded in Alden Memorial Auditorium, WPI.

- Cantata No. 106, Gottes Zeit (God's time is the best time)—J. S. Bach
Ave Verum Corpus—W. A. Mozart
Sancta Maria (Iva Dee Hiatt conducting)—W. A. Mozart
Keep to the Middle of the Road — arr. Bartholomew

The Baker's Dozen:

- Hooda Day—arr. Bartholomew
Landlord Fill the Flowing Bowl—arr. Knox
Where Did You Prcp—arr. Shepherd
Charlic (bass W. Davics)—arr. Knox
Gonna Build a Mountain—Knox

From 1977

The Tour to Germany and Austria recording
WPI Glee Club, Louis Curran conducting:

- Drink to Me Only with Thine Eyes—arr. Bartholomew
Keep in the Middle of the Road — arr. Bartholomew
Roll, Jordan, Roll (bass W. Davis) — arr. Bartholomew—Curran

WPI Glee Club with the Regis College Glee Club

- Cantique de Jean Racine (Sheila Vogt conducting)—Faure
Jubilate Deo (Sheila Vogt conducting)—Peeters
Saints Bound for Heaven (L. Curran conducting)—arr. Dawson
Every Time I Feel the Spirit (bass R. Vaz, L. Curran conducting)—arr. Dawson
Exckiel Saw de Whcel (tenor J. Willemain, Sheila Vogt conducting)—arr. Dawson
Muss I Denn (Sheila Vogt conducting)—traditional German folk song

WPI Glee Club with the Regis College Glee Club, Louis Curran conducting, recorded in Mechanics Hall, Worcester:

- Ecce Enim Ex Hoc Beatum, from the Magnificat—J. S. Bach

From 1979

- Let Us Break Bread Together—arr. Heath
The Summer Day—Brahms
Cantate Domine—Hassler
Laura Lee—arr. Jennings
Steal Away—arr. Bartholomew
Wake Freshman

From 1980

Inter-Collegiate Musical Council Convention held at WPI

- Forget Not My Law (J. Minasian conducting)—Effinger
Kantata, B.W.V. 21, Ich hatte viel Bekummernis (WPI Glee Club with the Regis College Glee Club, Louis Curran conducting)—J. S. Bach
Three Black Songs (tenor J. Palmer)—arr. Heath
The Heart Worships (tenor W. Guilfoile, Jr.)—Gustav Holst
Yonder (tenor J. Palmer)—old Russian melody
Black Is the Color of My True Love's Hair—anon.
The Stars Brightly Shining
Wake Freshman

If you would like to obtain one of these tapes, please return the coupon below:

Name: _____

Address: _____

I am interested in obtaining recordings of the following works as performed by the WPI Glee Club (please indicate year):

Please send me more information on price and availability.

I would prefer my tapes on

cassette reel-to-reel.

Return this coupon to:

Louis Curran, director
WPI Glee Club
Worcester Polytechnic Institute
Worcester, MA 01609

Sinkholes!?

BILL MURPHY, '22, has only one real problem these days. Sinkholes. You'd think that an 80-year-old Florida resident would be rightfully concerned with more frivolous things, like playing shuffleboard or catching the breezes on a tropical patio. But not Bill!

You see, Bill Murphy is vice president of heavy construction at Gilbane Mills Jones, and currently he's supervising a major project, the Orlando International Airport. He's concerned with all site work, which includes earthwork, canals, all underground piping, bridges, tunnels, roads, parking areas, pile driving, airside concrete aprons, taxiways, extensive refueling systems, and environmental control. So far, there have been few difficulties with construction. Not much rain. Tough, but tolerable summer heat. "We never stopped work," Bill allows. "Even though the sinkholes have been kind of a headache."

Workers at the sprawling airport site firmly believe that Murphy has set his foot on every square foot of ground on the property at least once during construction. He probably has. He's "on duty" daily from early morning into late evening. And he loves every working minute.

"Working is my life," he declares. "I never wanted anything else. When I was 65, nobody mentioned retirement, including me."

At Orlando International, Gilbane Mills Jones' job is construction management. Should a problem crop up, Murphy gets the gist of it on the telephone, then rolls off in his jeep to help solve it. Basically, in such an assignment, he is responsible for the managing of the work listed previously, plus the estimating of the cost and time involved in the project.



His on-site responsibilities last from Monday through Saturday. On Sundays, he does job-related paper work at home and writes many letters to friends and relatives.

By this time, Mrs. Murphy is used to her husband's full-time schedule. "All construction wives are up against it because the hours are so irregular," Bill says.

During their marriage, he and his wife have had only short vacations in the U.S. and Canada. "Years ago we took a two-week trip to Cuba," he reveals. "We have a house in New England, but we don't get up that way very often." Murphy has gotten around, just the same. He has visited five continents and 17 countries on bidding and negotiating trips. For the last 13 years, he's been out of the bidding business. He's too busy getting the company projects completed, then moving on to the next job. Just prior to going to Orlando, for example, he worked on plants in New York, North Carolina, and Georgia.

Bill Gilbane, a college champion boxer and president of the Providence-based firm, believes that Murphy "will keep on going forever." A few years back it was suggested that Murphy might be better off financially if he retired and did consulting work, Gilbane says. Tom Gilbane, chairman of the board and a college wrestling champion, voiced the same opinion. Murphy's response was to keep right on the job.

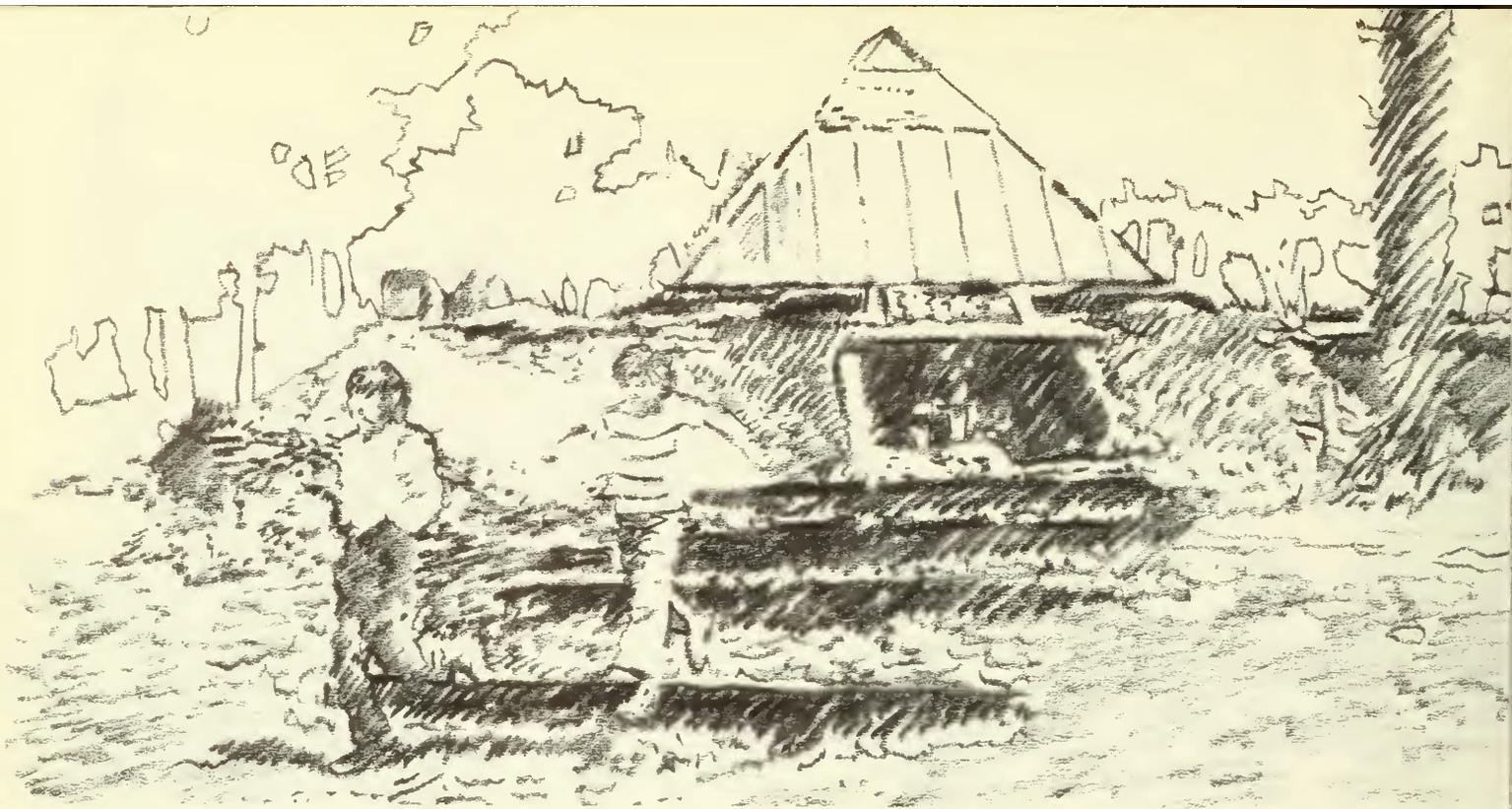
Except for an old knee injury ("torn cartilage from sliding bases") and a bout with a hernia, which Murphy, of course, won, he has virtually never been sick. He claims that the fact that he doesn't smoke or drink, harks back to his days at WPI when he played baseball and basketball.

That trick knee, his legacy from baseball, has kept him in construction all these years. "Now I don't want to leave," he says. "Work and my wife. That's all there is. I don't want to retire and be miserable like so many of my friends."

He confides, "Just between you and me, I would like to keep working as long as I can produce for the company."

It looks like Gilbane Mills Jones will be having its current vice president on the payroll for some time. Murphy comes from hardy stock. His uncle, William "Kitty" Bransfield, was considered to be the strongest man in major league baseball. A more distant relative, Sir Edward Bransfield, was knighted by the Queen of England after he became the first white man to set foot on the Antarctic Continent.

With that kind of ancestry, it's no wonder that Bill Murphy, at 80, can still set a torrid pace.



People who live in glass houses . . .

PRACTICALLY NOBODY gets to live in a glass pyramid. The exception? **Aroon Shah, '67**, of Weston, Mass., who recently moved into a glass pyramid with his wife and two children.

Although Shah's pyramid would be dwarfed beside the Great Pyramid, it is a massive private dwelling according to today's standards. Over 4,500 square feet of futuristic living space.

Shah, a senior energy engineer at Polaroid, got together with Architect John Hagan a couple of years ago to plan his dream house. "We wanted a geo-solar house," Shah explains. "And Hagan knows how to design a home that relates to the people who live in it, to the environment, and to the earth."

The first step in construction was to ram earth up against the structure, giving it all the advantages of an underground house with none of the disadvantages. The technique allows the building to take advantage of two natural sources of heat and insulation—earth and sun. (geo-solar)

The house, which is filled with light and views, is designed so that one always feels on ground level. Skylights softly light interior rooms. All rooms ring the central living room which includes a large conversation pit, planters, and is topped by a lofty 32-ft. glass pyramid. The family room, kitchen, four bedrooms, utility room, and two baths are set into a man-made hill. This sunken arrangement takes advantage of the cheapest insulation, earth, which helps keep the house at a steady 55 degrees. Active and passive solar systems contribute to higher temperatures.

The glass pyramid, itself a passive collector, is the cornerstone of the solar heating system. Wall ducts force the hot air by fans into the floor where it radiates heat into the first floor. The tile and concrete floor contains two inches of styrofoam insulation and eight inches of rocks to trap heated air. This heating system will be run by a computer (to be installed this year) which also will open the vent at the top of the pyramid and adjust the giant shades that line the expansive glass area.

A back-up system of a gas heater and a wood stove is available for use if necessary. Heavily insulated walls and an earth-covered roof are part of the unique, energy-saving design.

Not only does Shah's geo-solar home heat and cool its occupants, it will eventually provide them with year-round food. Cold frames for starting garden plants are built in glass enclosures over the front and back entrances. Besides the cold frames, there are a planter fence surrounding the conversation pit and five sunken planters big enough to house future exotic trees. There are auxiliary planters on the second floor.

After tending plants in their new home, the family can take turns relaxing in their whirlpool bath, which has a south-facing view and a 150-square-foot window. In spite of this, and other built-in luxuries, Shah feels that the house will ultimately cost no more than others in his area, because of the annual savings in maintenance and heat.

Bottom line: The Aroon Shaha sleep on water (bed) and live in a glass house sunk into a hill and set on stones. They love it.

WPI ALUMNI ASSOCIATION

Class Secretaries and Representatives

1914

Secretary
Ellwood N. Hennessy, CLU
The Phoenix Companies
680 Mechanics Bank Tower
Worcester, MA 01608

1916

Secretary
C. Leroy Storms
135 West 6th Avenue
Roselle, NJ 07203

1918

Secretary
John F. Kyes, Jr.
40 Holden Street
Holden, MA 01520

1919

Secretary
Edwin W. Bemis
10 Dryden Road
Brick, NJ 08723

1920

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228 Burncoat Street
Worcester, MA 01606

1921

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26 High Street
Oakdale, MA 01539

1922

Secretary
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Needham, MA 02192

1925

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Daniel L. Hussey
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Short Hills, NJ 07078

1926

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

1927

Secretary
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1928

Secretary
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Rt. 3 Box 294 Keyes Perry Acres
Harpers Ferry, WV 25425

1928

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Shrewsbury, MA 01545

1929

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

1930

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

1931

Representative
Oliver R. Underhill, Jr.
PO Box 281
Franconia, NH 03580

Secretary

Edward J. Bayon
45 Pleasant Street
Holyoke, MA 01040

1932

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

1933

Representative
Dr. Raymond B. Crawford
RFD Coldbrook Road
Oakham, MA 01068

Secretary

Sumner B. Sweetser
100 Pine Grove Avenue
Summit, NJ 07901

1934

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

Secretary

Dwight J. Dwinell
RFD #1 Box 56H
Orleans, VT 05860

1935

Representative
Plummer Wiley
2906 Silver Hill Avenue
Baltimore, MD 21207

Secretary

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

1936

Representative
George E. Rocheford
21 Dover Road
South Natick, MA 01760

Secretary

Harold F. Henrickson
33 Chapin Road
Holden, MA 01520

1937

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

Secretary

Richard J. Lyman
10 Hillcrest Road
Medfield, MA 02052

1938

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

1939

Representative
Samuel B. Kaplan
Route #2
Bull Hill Road
Woodstock, CT 06281

1940

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

Secretary

Robert E. Dunklee, Jr.
Rocky Hill Road
North Scituate, RI 02857

1941

Secretary
Russell W. Parks
7250 Brill Road
Cincinnati, OH 45243

1943

Representative
Robert S. Schedin
RFD 1
Brookfield, MA 01506

1944

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

Secretary

John G. Underhill
6706 Barkworth Drive
Dallas, TX 75248

1946

Secretaries
George H. Conley, Jr.
213 Stevens Drive
Pittsburgh, PA 15236
M. Daniel Lacedonia
106 Ridge Road
East Longmeadow, MA 01028

1947

Representative
Allan Glazer
20 Monadnock Drive
Shrewsbury, MA 01545

1948

Representative
Roger M. Cromack
16 Burr Farms Road
Westport, CT 06880

Secretary

Paul E. Evans
69 Clairmont Street
Longmeadow, MA 01106

1949

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Sidney Madwed
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Fairfield, CT 06432

Secretary

Howard J. Green
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Paxton, MA 01612

1950

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Wakefield, MA 01880

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Basking Ridge, NJ 07920

1951

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Secretary

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1952

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1953

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Stratford, CT 06497

1954

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1955

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Uniroyal Inc.
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Naugatuck, CT 06770

1958

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Harry R. Rydstrom
19 Altadena Drive
Pittsburgh, PA 15228

1959

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Hartford, CT 06106

Secretary

Dr. Frederick H. Lutze, Jr.
110 Camelot Court NW
Blacksburg, VA 24060

1960

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Holden, MA 01520

Secretary

Paul W. Bayliss
170 Wyngate Drive
Barrington, IL 60010

1961

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Harvard Business School
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Boston, MA 02163

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Harry T. Rapelje
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Hilton, NY 14468

1963

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8 Institute Road
North Grafton, MA 01536

1964

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

Secretary

Dr. David T. Signori, Jr.
6613 Denny Place
McLean, VA 22101

1965

Representative
Patrick T. Moran
100 Chester Road
Boxborough, MA 01719

Secretary

John P. Jacobson
308 Howard Street
Northborough, MA 01532

1966

Secretary
John G. Dyckman
29 Skilton Ln
Burlington, MA 01803

1967

Representative
Douglas W. Klauber
10 Alice Drive
Nashua, NH 03060

Secretary

John L. Kilguss
5 Summershade Circle
Piscataway, NJ 08854

1968

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

Secretary

Charles A. Griffin
Rt. 4 Box 179
Shreveport, LA 71107

1969

Secretary
James P. Atkinson
125 Pleasant St. Apt. 609
Brookline, MA 02146

1970

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

Secretary

F. David Ploss, III
28 Pocasset Avenue
Worcester, MA 01606

1971

Secretary
Vincent T. Pace
1520 McKean Street
Philadelphia, PA 19145

1972

Representative
Thomas J. Tracy
68 Mendon Street
Uxbridge, MA 01569

Secretary

John A. Woodward
Rt. 1 Box 7516 Fawnbrook
Hillsborough, NC 27278



1912

Mr. and Mrs. **J. Francis Granger** celebrated their golden wedding anniversary on October 22, 1980. Mr. Granger, who presently serves as secretary of the Massachusetts Highway Association, was city engineer and superintendent of streets in Marlboro, Mass., from 1928 to 1960, when he retired. After retirement, he joined the private engineering firm of Granger, Thompson and Liston. During the last two decades he has been one of the most vigorous men in Massachusetts in the advancement of the public works profession. He has also been very active in Marlboro civic affairs. Mrs. Granger, a Wellesley graduate, holds a master's degree from Columbia. At one time she was supervisor of English at the Horace Mann School at Columbia University. Like her husband, she has been active in Marlboro civic affairs. She participated in the founding of a local Girl Scout troop and has worked with the Red Cross.

1927

Charles Moore has swum 400 miles in Cleveland's Cudell Recreation Center pool from October of 1971 to June of 1980 and has earned eight Red Cross 50-mile certificates.

1929

Mary and **Arthur Gilbert** of Louisville, Ky., recently joined 14 other couples who had been married for over 50 years at a celebration held by Senior Citizens' East. The combined married years of those present was 869! Mary Gilbert recalled that she and Arthur had their first appliances when President Franklin Roosevelt closed the banks.

Arthur Knight is now living in St. Johnsbury, Vt. Recently, when the Fairbanks Weighing Division held its 150th anniversary celebration in St. Johnsbury, the Knights had a ringside seat for the parade at their new address. **Fred Baldwin** and his wife, Millie, joined the Knights for the festivities. Fred took part in the 100th Fairbanks celebration 50 years ago.

Fred McGowan reports that after moving to Florida for his health following an auto accident three years ago, he is now back in Connecticut, at Heritage Village in Southbury. He and his wife, Dorothy, were disappointed in Florida, "so after a year of too much warmth, and not enough to do," they sold their house and came right back to "an ideal year-round climate." Fred continues to collect old American prints and catalogs having to do with early manufacturing in the U.S. He would welcome hearing from others in this field. His address is 563 D Heritage Village, Southbury, CT 06488.

1930

Ed Delano says that he now has a new time trial bike which weighs only 19 pounds. Where to next, Ed?

Harold Hart writes from Lake Montezuma (I like the name) in Arizona that he was sorry he could not make the 50th reunion. He walks a mile or two every day, but would not compete with Delano on the bike. His garden and taking care of the house keep him busy.

Ray Lewis wrote some time ago that he sure enjoyed seeing all the classmates at the 50th. After the banquet Friday evening, they left for Wellesley where his wife also had a reunion. They spent part of last summer at Lake Sunapee, N.H.

Milton Warner has many outside interests, including tutoring two recently-arrived Vietnamese immigrants in the English language and serving on the maintenance committee of the Unitarian Universalist Fellowship of Evansville, Indiana. Marge and he also teach a Sunday School class for junior and senior high school students. In October his first grandchild, Teresa Allison Watts, was born to his daughter, Sally, and son-in-law, Richard Watts. Dick is an actuary with the IRS in Washington, D.C., and Sally is an attorney with the Department of Housing and Urban Development. In March, the Warners attended the marriage of their older daughter, Dorothy, to Lee Charles Robbins. Lee works as an investigator for the Department of Human Services in San Francisco and Dorothy is an adjudicator for the Veterans Administration there.

1931

Idof Anderson, Jr. writes: "Starting my tenth year of retirement here on Cape Cod. Enjoy swimming from May 30th to nearly November 1st. I just seem to be so busy doing nothing, that I don't have time to do anything."

The **Bob Barretts** have just bought a condominium in Longwood, Florida, where they plan to spend most of the winter months. They are located on the shore of Lake Winnepesaukee in Laconia during the summer. While in New Hampshire, they are within 15 miles of their whole family, including five grandchildren. "There is seldom a dull moment!" Recently, Bob and Noriene took a trip to the Far East, stopping off to see **Red Sage** in California. Because of unsettled world conditions, they feel that that trip was probably their last outside of the U.S.

Ed Bayon and his wife, Ruth, are looking ahead to celebrating their 50th wedding anniversary in September. They have two daughters, and nine grandchildren (13 to 22 years), six of whom are currently in college. One boy is studying civil engineering. A year ago, Ed left the management of Tighe & Bond/SCI to his partner and he is now "working into retirement" as a consultant to the firm. Five out of the 34 graduate engineers on staff are WPI graduates, two of whom serve as assistant chief engineers. Ed had the pleasure of renewing a friendship developed at Tech almost 50 years ago when he attended the Boston College-Navy football game this fall with **Frank "Champ" Blouin**, '32. Champ is a retired U.S. Navy vice admiral now living in Washington, D.C., after an exciting and challenging career in the service of his country.

Dud Chaffee writes that he is currently retired in Greensboro, N.C., after having been in charge of operations, maintenance, engineering, and planning on college campuses throughout the east coast during his career. He was associated with Mount Holyoke, Springfield, Middlebury, St. Lawrence, and finally the University of North Carolina, from which he retired. He is an active golfer and stamp collector. Also, he was active in the fund-raising drive for the class 50th reunion gift.

Ted Coe, who lives in Vermont, has purchased six acres of ocean front and tidewater (1000' deep water, 600' tidewater) in Boothbay, Maine. Having decided not to build, he considers the land as a good investment because there is not much property of this type left in Maine. Formerly with Farrel Co., he has been retired for 15 years.

Trustee Emeritus **Al Demont** writes that he and Phyllis have been busy managing two houses and trying to sell one. On Labor Day weekend they attended her daughter's wedding in Boulder. His daughter Diane has a new baby boy named Jordan Albert Kapp, who was christened at his church during its anniversary. The Demonts celebrate their first wedding anniversary on December 29th. Al belongs to the "470" National Ski Club. Last

year, he was the principal agent in selling a ski lodge at Smuggler's Notch, "where (we) four couples held a happy ten-year partnership before the old gang just moved too far away." Active in his church, he has completed two years' service as senior elder, the highest layman's office. After retiring from GE in 1973, on two occasions he was drafted to run the Schenectady County Community Co-op Program.

Warren 'Bun' Doubleday and his wife, Sigrid, have a retirement home not far from Dot and **Paul Fittz** in Orange, Mass. After Bun retired as a Civil Service employee of the Air Force in 1972, they traveled for a while, but have decided that "it is easier to stay at home." They make maple syrup, cut firwood, mow the lawn, and shovel snow. The Doubledays have three daughters and nine grandchildren (two girls, seven boys). "We can take care of a pretty good-sized turkey at Thanksgiving."

Len Dunn is recovering from a severe stroke that left him hospitalized from February of 1979 to January of 1980. He says, "My wife, Audrie, diligently looks after me, but it's quite a task." Len is located at St. Lambert, Quebec, Canada.

Richard Fairbanks, who is retired from government service writes: "Employed by NACA (now NASA); CAA (now FAA); and the Air Force." He and Viola have been married 48 years and have two daughters and three grandsons.

Fred Farrar has three good reasons for planning to attend reunion. Not only will Fred be celebrating his 50th, his son, Robert, '56, will be on hand for his 25th, while his grandson, Daniel, is a member of the Class of 1984.

Also looking ahead to the 50th, is **John Fletcher**. He and Arlene, his wife of 44 years, are enjoying retirement in South Dennis on Cape Cod, where they have resided for nearly eight years. "We do what we want, when and if we want to." When the **Hilt Fishers**, '30, get to the Cape, they usually visit the Fletchers. John's last job was with Bryant Electric, a division of Westinghouse in Bridgeport, Conn.

Henry Friel holds the post of product manager at Wire Mesh Products in York, Pa.

Wally Gove, local coordinator for the 50th reunion, attended the reunion workshop on Oct. 4th.

George Hansen's son, who is 42, hiked the Appalachian Trail in October. George retired in 1973 from Pratt & Whitney Aircraft. Presently, he lives in a house he built for retirement. It is located in West Willington, Conn., on a paved road, surrounded by woods.

Until last year, **Edwin Haskell** served as part-time chief designer for Chandler Machine Co. Previously, he retired from GenRad, Bolton, Mass. The Haskells have three children and three grandchildren. They have retired to a "lovely adult mobile home park" in Concord, N.H. They have gardens and a yard to care for, and square dance twice a week. "Play in a senior citizens' orchestra occasionally."

Golf and oil painting are hobbies enjoyed by **Frederic Holmes**. In 1972, he retired from Bird Machine Co. following 25 years of service. He was a sales engineer and consultant for the mid-West area for the firm, which manufactures paper-making machinery and centrifugal equipment. He has two sons and five grandchildren.

Trescott "Tres" Larchar, Sr., who lives alone says, "A major effort goes into cooking. I'm not a gourmet cook, but I'm willing to try something new." He claims he maintains a nearly constant weight. Since retiring from Olin several years ago, he's done some consulting. He is active with the Masons, the Senior Citizens' Group, and he attends a few technical meetings. Travel and music are other interests.

Irving Newcomb ran his own cabinet shop until he retired in 1974. He had previously retired from GE. In February, he and his wife celebrate their 48th wedding anniversary. They have three children, four grandchildren, and are located in Center Barnstead, N.H.

Albert Palm writes: "We live 22 miles east of Los Angeles and from our hillside home beneath Mount Wilson Observatory we can see up and down the San Gabriel Valley as far away as Pasadena and the Rose Bowl." In 1975, he was commended by the chief of police for stopping a runaway auto by deliberately ramming it with his own car. Besides his bus, he holds an MS from WPI. During his career, he has been employed by the former Worcester Gas Light Co., American Steel & Wire, and he was a partner in Stidsen & Palm Co. From 1944 to 1960 he was a sales engineer in the abrasives division of Norton Co. From 1960, until he retired in 1974, he was with A. P. deSanno & Son, Inc., Phoenixville, Pa. The Palms' son, Robert, graduated from WPI in 1964. They also have a daughter and four grandchildren.

Good thing **Phil Pierce** retired! He doesn't have enough time for work. In "retirement", he teaches folk dancing, and calls square dances. He keeps improving his house and yard, serves as church treasurer, still "walks" 18 holes of golf several times a week, bowls, and drives for "Meals on Wheels." Once a year, the Pierces travel (Europe, etc.), but are always glad to return home to Monterey, Calif. "Life is great. No snow. No high heat." Phil taught mathematics at the Navy Postgraduate School in Monterey for 28 years. He and Irma have three sons, three granddaughters, and two grandsons.

C.F. "Red" Sage says, "Hope to see you all next June in Worcester!" He admits his red hair is now gray, but declares it is still quite a thatch. Red and Val's son, Dick, has a PhD and is assistant curator in the Vertebrate Zoology Museum, University of California at Berkeley. Tony and Mike farm, make cabinets, and play golf in Oregon. ("Hope to visit them Thanksgiving.") Since 1970, the Sages have managed Pea Soup Andersen's Inn in Buellton, Calif. They've seen it grow from 41 to 97 units. "Too busy to retire." However, if the spirit moves them, they might go into a nearby mobile home.

Early in the year, **Mike Sodano** had some surgery done to correct poor circulation. The right carotid artery was cleansed, then a quadruple by-pass was performed. "Haven't felt so good in a long time." In 1970, he retired from GE, and after staying in Japan for two years, he returned to Scottsdale. Daughter Carole is at the University of the Pacific and John at the Art Center College of Design in Pasadena. Mike swims, and is a licensed ham radio operator. So far, he's made over 100 contacts all over the U.S.A.

After 32 years, **Hurant Tashjian** continues operating his hardware business, Bay State Paint & Hardware Co., in Worcester. "No plans for retirement." The Tashjians have two daughters. Emily is engaged and Gloria is an assistant professor of mathematics at Merrimack College in Andover, Mass. Two years ago, while Gloria was an exchange scientist at the Mathematics Institute, Czechoslovak Academy of Science, Prague, her parents visited her.

Bob Terrill spent 32 years as a commissioned officer in the Armed Forces. He graduated from the U.S. Military Academy and then from flying school at San Antonio. "I was in the Air Force from that time on." He participated in World War II and the Korean war, as a colonel and as a brigadier general, respectively. In 1964, he retired from the service as a lieutenant general. The Terrills were slated to visit their daughter and two grandsons in California over Thanksgiving.

Although retired, **Fran Townsend** claims, "I still can't find time to do all the things I have ahead of me." He hopes to get his eye situation cleared up before the 50th. The Townsends, who live on the Cape at Cotuit, Mass., have two daughters, a son, and eight grandchildren.

Carroll Whitaker serves as cost department manager for the Ames Textile Corporation of Lowell, Mass., where he has been employed for 45 years. "The work is varied and very interesting," he says. For 21 years, he and Eleanor have frequently square danced with various groups and feel that "this wonderful recreation has done a great deal to keep us in good health."

In 1974, **Robert Williamson** retired from Union Carbide after 39 years. He was in sales, production, and industrial engineering in the Consumer Products Division (Eveready). The Williamsons celebrate their 40th anniversary in February. They like to play contract bridge every week with two groups of retired persons. Their daughter and two grandchildren live in Albuquerque. Judy is a registered artist (water color and acrylic) and is working on her master's degree in teaching. Williamson does "kitchen table" model railroading at home. He is treasurer of a sizeable model railroad club.

1932

► **Married:** Paul E. Nelson and Mrs. Marion E. Francis in Barnet Center, Vermont on September 21, 1980. The Nelsons currently live in Shaftsbury.

1934

At the winter annual meeting of the ASME held in November in Chicago, **Allan Catheron** was posthumously awarded a Century Medallion. Al, who passed away last June, was a fellow of the ASME. He was a retired system research engineer for the Foxboro Co.

Charles McElroy, one of WPI's top "senior" swimmers, was invited to attend the "Sports Legends" banquet which was held in Lowell, Mass. in October to honor great athletes of the past.

Dr. **Elijah Romanoff** serves as a program director for the National Science Foundation in Washington, D.C.

1937

Lawrence Barber retired last January from A. C. Lawrence Leather Company, Inc, but continues to be active in an advisory capacity. Joining A. C. Lawrence after graduation, he stayed on during his entire career. In recent years he has had responsibility for production at all of the company's locations, from Maine to North Carolina. At its annual convention in June, the American Leather Chemists Association named Barber president-elect. In 1976, he was one of a small group of associates within the company which purchased A. C. Lawrence from Swift and Company. Soon after, he relocated his headquarters to Waynesville, N.C., where he and his wife Martha now reside. World travel has been extensive. In August he toured China, giving a series of lectures on leather manufacturing to Chinese tanners and shoe manufacturers.

In July, **Vin Johnson** retired as manager of Michigan operations for Marsh & McLennan after 28 years of service. The Johnsons took a five-week trip through Canada and New England in their motor home last summer, and spent a couple of weeks on Cape Cod. Vin writes: "We'll be in Key Biscayne for the winter and then in the spring we'll take a trip to the West coast, go on up to Vancouver, then return to Detroit."

1938

Francis Jenkins serves as a mechanical engineer at United Engineers in Holcomb, Kansas.

1939

Oiva Karna is deputy vice president of project engineering at International Coal Refining Company, Allentown, Pa.

David McEwan is presently plant manager at Cynthiana Screw Corp., a division of VSI Corp. He is located in Cynthiana, Ky.

Norman Packard is manager of engineering at Nautilus/VA in Independence, Va.

Norton Company, Worcester, has appointed **Harold White** as vice president and general manager of the Coated Abrasive Division in the United States. Previously he was vice president and general manager of the company's Organic Grinding Wheel Division. Also, he was responsible for Norton's abrasives business in Canada. Before his appointment to that post in 1979, he had served in England as vice president of abrasive operations in Northern Europe. He has been with Norton since 1946.

1940

Bruce Boyd, who entered WPI after nine years with Westinghouse writes: "At 72, I may be the oldest member of the Class of 1940." He ultimately retired from Westinghouse after 43 years of service. His first job was with the early warning radar that picked up Japanese airplanes 130 miles off Oahu on the morning of Dec. 7, 1941. "No one believed it." Boyd holds six U.S. patents. He and his wife Louise chose to stay in Maryland following his retirement to be near their family. Boyd continues his amateur radio hobby, which he started in 1921.

Lois and **Bill Brooks** finally arrived home in Scottsdale, Arizona following their 40th reunion. After leaving Worcester, they visited friends on the way back, stopping at Cape Cod, Hartford, Morristown, N.J., Knoxville, Tenn., Lake George, N.Y., among other places. They traveled 6600 miles going and coming to reunion. It was Bill's first time back since graduation.

Albert Howell is now employed as a mathematical analysis engineer at Mack Trucks, Inc. in Allentown, Pa. In 1977 he underwent heart surgery. Son Jack is a soap maker in Denver, Philip a motorcycle shop owner. Daughter Olivia is a teacher, Elizabeth, an executive secretary. Howell is interested in church work and Common Cause.

Harding Jenkins is an enthusiastic resident of Venice, Fla, and enjoys travel, tennis, and the beach. Retired from American Optical, where he was corporate vice president, he subsequently was associated with I.E.S.C. in Manila, where he helped contribute know-how in a developing area. He was a consultant to Mount Holyoke College from 1975 to 1977.

Golf, swimming, bowling, and fishing are some of **Fritz Johanson's** activities. He's had three holes-in-one and won a club championship trophy. His wife Majken is a good golfer, too, and likes bowling, dancing, and traveling. Still with Warner & Swasey as eastern export district manager, Johanson has about a million flying miles under his belt. He's been in Russia three times, and as a member of a U.S. government delegation he visited Moscow, Leningrad, and Kiev. He attended WPI's Evening Graduate School and the Advanced Management Program at Harvard Business School. He's been involved with the Worcester Area Council of Churches.

After a four-month leave of absence to finish a shell house in Vermont, **Rolfe Johnson** is now back at work constructing a plastics facility for GE in Pittsfield. His wife, Margaret, is director of activities at a Brattleboro (Vt.) nursing home. Johnson met Margaret on a boat trip from the Isle of Man to Liverpool, and they were married in Cheshire. They toured Europe on their BMW 750. In the past ten years, Johnson has spent much of his time in Scotland, Holland, and Israel on construction projects. While in Israel, he narrowly missed three terrorist raids.

In March, **Benedict Kaveckas** joined Wang Laboratories in Tewksbury, Mass. as a senior manufacturing engineer. He likes to repair autos and appliances.

P. Warren Keating is a member of the Pur suing Committee, Worcester Society of Mutual Aid in Detecting Thieves.

Dr. **Stanley Kimball** currently holds the position of chairman of the department of radiology and nuclear medicine at Richmond Heights General Hospital in Cleveland. He has been chief of staff and is now vice president for a second time. He is certified by the American Osteopathic Board of Radiology. Kimball will fish anywhere, and has already tried his luck from the Yukon River to Guadelupe. He has six children and seven vehicles, including two diesels.

The **Arthur Koerbbers** have a retirement Tyrolean chalet overlooking the Sierras at Lake Tahoe. They are employed part time as tour guides showing local historic sites, and Arthur drives a snow plow in winter. Hobbies include hiking, skiing, and model railroading. Previously, Koerber had been a camp ranger for the Girl Scouts, an organization he and his wife were associated with for years. For 25 years he was with GE in Pittsfield, Mass. specializing in lightning arrester design. He was president of the Green Mountain Club, chairman of the New England Trails Conference, and vice chairman of the Appalachian Trail Conference.

David Kuniholm reports that he is still "lead soloist" at Kuniholm Associates in Petersham, Mass.

Kenneth McClure is the retired chairman of K.H. McClure & Co., Inc., Stamford, Conn. Presently, he resides in Charlottesville, Va.

Since retiring as chief of design from Hamilton Division of United Technologies, **Donald Ramaker** has done some consulting for UTC. After hours, he's into fishing, hiking, and antiques. Jean, his wife, is an antiques dealer. Ramaker, who had a 37-year career at Hamilton Standard, has two sons and a daughter.

His R&L Manufacturing Co. is busy producing a wide variety of urethane products, says **Milton Ross**, president of the California firm he started during "the great recession" of 1974. He holds six U.S. patents and has six children. Outside interests include flying, earthworm raising, scouting, and Little League.

Raymond Shlora and his wife, Clare, enjoy many trips to Europe. He continues as president of H.H. Brown Shoe Co., Inc., New York City. As president of the Brown Canadian operation, a post he still holds, he lived for nearly 20 years in Montreal at one time. Currently, Shlora also serves as chairman of Igloo Import and Supply Co., Ste. Agathe, Quebec.

1941

Dr. **Alfred Winslow** serves as a senior chemist at Borden Chemical Co. in Louisville, Ky.

1942

Allan Anderson is manager of market planning and development at Bath Iron Works in Maine.

Formerly with Westinghouse Electric Co., Hollywood, Calif., **Ralph Piper** is now retired and living in Sonoma.

Russell Proctor serves as director of projects at Procon, Inc., in Houston, Texas.

Samuel Williams, Jr. has been elected chairman at O'Brien & Gere Engineers. He joined the Syracuse company in 1956, and has been president since the firm was incorporated in 1971. Under his direction, the company has grown from 180 employees and \$4.8 million in sales in 1971 to over 300 employees and sales totaling \$12.3 million in 1979. During that time, the firm has established offices in Philadelphia, Boston, Washington, D.C., St. Louis, White Plains and New York City, adding to several previously established offices. Williams is also a trustee of Onondaga Savings Bank and the Rescue Mission Alliance. He is a director of the Greater Syracuse Chamber of Commerce, the Metropolitan Development Association and the Economic Development Corp. Besides his WPI degree, he has another from Harvard University.

1943

Everett Ambrose holds the post of senior staff engineer in the Continental Group in Avon, Conn.

Dr. **Carroll Bennett**, the acting head of the chemical engineering department at the University of Connecticut, has been named the recipient of the \$2,000 Warren K. Lewis Award from the American Institute of Chemical Engineers. He received the award in November at the Institute's annual meeting in Chicago. He is a fellow of the Institute. The award, sponsored by Exxon International Co. and Exxon Research and Engineering Co., is given annually to recognize distinguished and continuing contributions to chemical engineering education. Dr. Bennett has been a professor of chemical engineering at UConn since 1964. He is the author of three books and over 30 articles which have appeared in professional journals. Also, he has served as a consultant for several firms, including the Fafnir Bearing Co., GE, Monsanto, Remington Rand Univac, and United Technologies. He holds patents relating to cellulose impregnating and the handling of natural gas. His doctorate in engineering is from Yale University.

J. Perry Fraser is now senior development engineer for Stirling engine systems at MTI, Inc., Latham, N.Y.

Ed Lipovsky has been retired for over a year. Formerly, he was a contract administrator at DCAAS-USC, in San Diego, Calif.

1944

Roger French is a self-employed consultant in energy conservation and management in Jacksonville, N.H. He holds an MBA from Harvard.

Charles Stowell continues as senior vice president of the Metal Exchange Corp., St. Louis, Mo.

1945

George Brown holds the position of president at Whitinsville Spinning Ring Co. in Gastonia, N.C.

Robert Scott is vice president of Johnson & Higgins of Connecticut, Inc., Hartford.

Dr. **Mitchell Tenerowicz** recently appeared on the "That's Incredible" tv show which highlighted Father DiOrto, the charismatic priest from Worcester.

1946

Walter Bank, a WPI trustee, is now marketing manager at Syscon Corp. of America in Washington, D.C.

Robert Bartlett serves as R&D manager at Alco Dispensing Systems, Carol Stream, Ill.

Walter Gleason is retired from Exxon and living in Grantham, N.H.

Presently, **John Laffey** serves as vice president of marketing for major accounts at Clark Equipment Co., Benton Harbor, Mich. He is also director of National Mobile Concrete Corp.

Allan Raymond is employed as an environmental engineer in the South Carolina Department of Health and Environmental Control in Columbia. He retired from New York State after 30 years of service. He is continuing his career in the field of solid and hazardous waste management.

Peter Vozzolla works as a senior experimental engineer at Hamilton Standard in Windsor Locks, Conn.

Robert Willis is a lead sales engineer at GE in Spokane, Washington.

1947

Henry Bove has been elected vice president of the chemical division at United Engineers & Constructors, Inc., a Philadelphia-based subsidiary of Raytheon. He had served since 1971 as project manager, and was responsible for the management and design of environmental and chemical process facilities. Earlier, he was project engineering manager and supervising engineer. Prior to joining United Engineers in 1968, Bove was affiliated with Day & Zimmermann, Inc. for 20 years, where he rose to vice president of planning and research. A registered professional engineer, he holds both BS and MS degrees in chemical engineering from WPI.

Ernest Kimball is with Kaiser Aluminum & Chemical Corp., Mexico, Mo.

1948

Robert Adams serves as president of Adams Industries, Inc., Westmont, Ill. Also, he is associated with Tuteo, Inc., Cookeville, Tenn. and the Wing Co. in Cranford, N.J.

Niel Fishman serves as sales manager at P.H. Werner, Inc., Springfield, N.J. He is a professional engineer in New Jersey and Florida.

Recently, **Arne Kellstrom** moved to Houston where he is vice president of product management for Ingersoll Rand Co.

A. Stuart Kelsey holds the post of treasurer at Reflections in Art, Inc., Pompano Beach, Fla.

Benjamin Richter works as a cement marketing and distribution manager for Texas Industries, Inc., Arlington, Texas.

Edward Tyler is manager of C&A product engineering at GE in Evendale, Ohio.

1949

Eugene Briggs is president and treasurer of Mastercraft of Burlington, Inc., Graham, N.C.

Charles Chase, formerly a supervisor for U.S. Steel, is presently retired and living with his wife, Carolyn, in Brewster, Mass.

Malcolm Ferson has been appointed manager of sales, Region I, in GE's Steam Turbine-Generator Marketing Department. He will be responsible for customer relations and sales in New England, New York, Tennessee and the western third of the U.S. With the company since 1949, in 1952, he entered the Sales Training Program. During his GE career, he has served as a turbine specialist for the Apparatus Sales Department in Dallas, and as industrial sales manager for the Medium Steam Turbine-Generator Department in Lynn, Mass. After a stint with the Electric Utility Sales Department in Texas, he was appointed manager of sales, Region III, in 1966. Since 1977, he has served as manager of pricing, planning and administration for the Large Steam Turbine-Generator Financial Operation. Ferson belongs to the Mohawk Golf Club and the ASME.

Russell Larson serves as project manager at Perini Corp., Framingham, Mass.

1950

Carl Ackerman has been named product specialist, electrical insulation, at the Fiberloys Division of Rogers Corporation, Rogers, Conn. In his new position, he will be responsible for marketing Rogers' SF/duroid and SE/duroid structural insulating materials. Before going to Rogers, Ackerman had been vice president and secretary of Union Mills Paper Manufacturing Company for 22 years. He had also been assistant to the president at Superior Polymers Company and did technical service marketing at the Chase Foster Division of Keene Corporation. He is an officer of the ASTM Technical Committee for D.09 on electrical insulating solids, is a senior member of the IEEE Power Engineering Society and the IEEE Electrical Insulating Society and is a member of the Underwriters Laboratory Industry Advisory Group on polymer materials. The Ackermans reside in West Warwick, R.I.

Recently, **Pete Cummings** was appointed a new member of the board of trustees at Becker Junior College, Worcester. He is the current president and former treasurer and general manager of the Lowell Corp.

Glenn From is employed as program control-supervisor at Lockheed in Burbank, Calif.

Albert Perry works as manager of the Parts Distribution Center at Worthington Compressors, Memphis, Tenn.

1951

Robert Baldwin is with Pullman Heat Research, New York City.

William McNeil holds the position of manager of sales services at Cabot Corporation, Atlanta, Georgia.

Currently, **John Seguin** is an account executive at Norton Co., Worcester.

Dr. **Robert Zimmerer** was a course leader at the 12th Annual Electro Optics/Laser Conference and Exposition held in November at Hynes Auditorium in Boston. His topic, "Laser Power and Energy Measurements," was part of the Professional Advancement Course. Dr. Zimmerer is with Scientech, Inc., Boulder, Colo.

1952

Now located in Portland, Oregon, previously, **Jack Yun-Ting Kwan** was a senior research engineer in the high temperature gas dynamics laboratory at the Institute of Mechanics, Academia Sinica, Beijing, China.

Edgar Van Cott holds the position of president of Data Converter Corp., Cochituate, Mass.

1953

Paul Snyder is manager of planning and projects at Mobil in Fairfax, Va.

1954

Clayton Brown is president of DTI Data Terminals Corp. in Medfield, Mass.

In August, **Milton Meckler** delivered a paper entitled "Solar Powered Rankine Cycle, Dual State Chiller/Regenerator Improves Combined Cycle Efficiency" at the Solar Cooling and Dehumidifying Conference in Cara-

cas, Venezuela. His book, *Energy Conservation in Buildings and Industrial Plants*, was published by McGraw-Hill in September. The Meckler Group's newest affiliate is California Solar Technology. Its first project will be the development and installation of the residential Skytherm Solar System.

Emmanuel Milius was recently reelected president of the Hellenic Arts Society of Worcester County. He is employed by Norton Company as supervisor of Process Systems Research. A vice president of the board of directors of St. Spyridon's Church, he also sings in the church choir. He and his wife, Elpida, are former co-chairmen of the church festival.

In July, Dr. **Werner Neupert** a project scientist for NASA, briefed representatives from headquarters and the press on the first scientific payload to fly on the Space Shuttle, NASA's space transportation system. The briefing and details of seven principal experiments were provided at Goddard Space Flight Center. The prime payload for the flight, which is slated for April of 1982, is a Department of Defense project.

1955

Roger Bardwell continues as president of the Production Marketing Group in Rochester, N.Y.

Charles Walters, general manager of the Wallingford Electric Division, has been elected second vice president of the Northeast Public Power Association, which recently held its annual conference at Bretton Woods, N.H. Previously, he served as treasurer of the association. He holds an MBA from the University of New Haven.

1956

William Johnson holds the position of vice president at Sobotka & Co., Inc., Washington, D.C.

William Jordan, Jr. now is vice president in charge of logic products for Synertek of Santa Clara, Calif., manufacturer of integrated circuits. Formerly, Jordan was vice president of engineering for Boschert, and earlier, vice president of the memory systems division of Intel.

1957

Christos Alex is presently with Nanmac Corporation in Framingham, Mass.

John Bandarra is a plant manager for Tampax, Inc. in Claremont, N.H.

Allan Carlson is employed as product line manager in planning and management at Western Electric Co., Morristown, N.J.

Walter Kress serves as project manager at American Cyanamid, Engineering & Construction Division, Wayne, N.J.

The **William Rawstrons** have returned from South America where they adopted a seven-month-old boy. They have five children of their own. Rawstron holds the post of vice president for engineering and planning at Jamesbury, Worcester.

1958

Currently, **Normand Bedard** works for the U.S.A.F. at Los Angeles Air Force Station. He and his wife have two children at Assumption, one at Stonehill, and two in private high school as well as one in private grammar school.

Joseph Duddy, Jr. serves as director of construction at Revlon, Inc., Edison, N.J.

Donald Grenon is presently regional superintendent of operations at Northeast Utilities, West Springfield, Mass.

William Hopf was recently named vice president and general manager of DEMCO, a division of Cooper Industries, Inc. in Oklahoma City. He has more than 16 years in the valve industry and is regarded as a leader in the development and production of quarter-turn valve products. In 1979 he was named "Valve Man of the Year" by the Valve Manufacturers Association. From 1976 until the DEMCO appointment, he worked at Walworth Company, Valley Forge, Pa., a major manufacturer of industrial valves. At Walworth, he served as vice president and general manager of Lubricated Plug Valves, Alloy and Marine divisions, and of the company's Cryogenic Valve subsidiary. Previously, he was vice president of engineering and quality assurance. Before joining Walworth, Hopf was manager of engineering for Irvington-Moorc, Jacksonville, Fla., which manufactures lumber processing equipment for the forest products industry. From 1964 to 1974, he worked at Jamesbury Corporation, Worcester, where as R&E manager and chief engineer, he introduced actuator products, a high-performance butterfly valve, and new lines of ball valves. Hopf holds an MSME from WPI and completed Dartmouth's Amos Tuck Executive Program in 1978.

He has served as chairman of the Valve Manufacturers Association's Technical Coordinating Committee and Task Force on Product Liability and made a presentation to the White House Conference on Small Business in 1979 on product liability protection and the Federal Trade Commission's proposed standards and certification rules. Hopf and his wife Sandy have a son who attends Campbell University in North Carolina. His company, DEMCO, manufactures butterfly, gate and ball valves, centrifugal pumps, sewage treatment

plants and solids separation equipment for the petroleum, chemical, food, beverage, paper, water and waste treatment, and marine industries.

Ray Johnson serves as a divisional vice president of sales at Nepsco, Inc. in Boylston, Mass.

Ronald Kangas is program manager at U.S. DOT in Washington, D.C.

Currently, **Burton Keeler** holds the post of design engineer at GE Ordnance Systems, Pittsfield, Mass. The youngest of his five children, Marion, is a freshman at WPI. Her roommate is Debbie Allen, daughter of **Owen Allen**, '54. Marion's uncle, **Malcolm Keeler**, '54, roomed with Allen thirty years ago in Sanford Riley.

David Ripple holds the post of manager of jewelry equipment development at Avon Products, Inc., Mansfield, Mass.

J. Clifford Wiersma is with J.C. Wiersma Real Estate in Indianapolis.

1959

Frederick Costello is now vice president of sales for the Ethylene Oxide Derivatives Division at Union Carbide Corporation, Danbury, Conn. Fred and **Phil Puddington** are co-chairmen of the 25th Reunion Committee.

William Pursell, Jr. is vice president of manufacturing at Canco, Inc., Houston, Texas.

Eric Rorstrom has advanced to staff engineer at Northeast Utilities. He joined NU in 1973 as a senior engineer. A member of the ASME, Rorstrom also serves as an NU representative to the Electric Power Research Institute. He has an MBA from UConn. From 1961 to 1962 he was in the U.S. Army Reserve.

1960

George Beebe serves as plant engineer for MIT's Lincoln Lab on Kwajalein Missile Range in the Marshall Islands.

Paul Byron holds the position of resident inspector at the U.S. Nuclear Regulatory Commission in Glen Ellyn, Ill.

Donaldson Dow is employed as a senior structural engineer at United Engineering in Darien, Conn.

Henry Hyde is manager of loss prevention at BASF Wyandotte Corp., Parsippany, N.J.

Paul Johnson is regional director of alumni at MIT in Cambridge, Mass.

Fred Kloiber wrote "Power Engineering in Fusion Research" which appeared in the October issue of the *IEEE Almanack*. He did graduate work at Yale, and is a member of the professional technical staff at Princeton University, assigned to the Power Branch of the Engineering Division. Previously, he had been with GE and Norden Laboratories where he

worked on aircraft, spacecraft, and rail-car power and control systems.

Raymond Levesque has been named manager of American Cyanamid's newly acquired aerospace products plant in Saugus, Calif. Previously, he was thermoset molding compound department manager at the company plant in Wallingford, Conn.

Anan Panananda is director of the Customs Department in Bangkok, Thailand.

Donald Taylor is employed as project superintendent at Catalytic Inc., Toledo, Ohio.

Francis Toce holds the position of president at Syracuse Scientific, Inc., Clay, N.Y.

1961

John Donnelly is employed as manager of manufacturing of instrument products at GE in Lynn, Mass. He relocated to his present job in 1978 from the GE transformer plant in Shreveport, La.

Evan Duane serves as a software systems project leader at Grumman Aerospace Corp. in Bethpage, N.Y. He specializes in mini-computer application software development.

Ron DuFries continues with Morgan Construction Co., Worcester, where he is currently sales manager for wire machinery.

Arthur Greene holds the post of physicist at Brookhaven National Laboratory, Upton, N.Y. He is concerned with the Isabelle Project.

William Lupoli serves as senior account manager at TRW in Westwood, Calif.

Continuing with T-Bar, Inc., Wilton, Conn., **Moussit Noradoukian** presently serves as assistant vice president of marketing.

Raymond Rec continues at Eaton Corp., Kalamazoo, Michigan, where he is chief instrumentation engineer.

Ralph Smith is employed as a marketing representative at du Pont in New York City. He holds an MBA from Drexel.

1962

Albert Andrews is division manager at Treasure Chest Advertising in Windsor Locks, Conn.

George Bastien continues with Bechtel Power Corp., where he holds the post of group supervisor.

William Krein, formerly manager for the finance and division support operation of GE's Installation and Service Engineering Division in Schenectady, has been named controller at Zenith Radio Corp. He joined GE in 1966 in the Advanced Manufacturing Training Program and following assignments in manufacturing engineering with the Steam Turbine-Generator Division and in factory supervision with the Power Circuit Breaker Division, joined the corporate staff in 1968. In 1972, he

became manager of financial operations analysis for the Power Generation Business Group, was named manager of finance for the ISE Division in 1974, and to his last GE post in 1976. He has an MBA in finance from Babson Institute, is married, and has three children.

John "Tony" Lockwood continues as president of J.A. Lockwood Co., in Pluckemin, N.J. The Lockwoods, who reside in Bridgewater, N.J., have three sons.

Stephen Osterling, a former manufacturing manager with Eastman Kodak, has been named plant manager at Battery Technology Company in Lexington, Ky. The firm is a division of Duracell International. Osterling is responsible for directing all operations of the local facility. Battery Technology specializes in "button cell" mercury and silver oxide batteries used in watches, cameras, etc. Osterling has an MBA from Dartmouth. Previously, he worked for Johnson & Johnson.

Peter Parrino works as technical coordinator at Washington University in St. Louis.

Dr. **James Quirk** continues as a professor of physics at the University of New Hampshire. He also runs U-Drive Boat Rentals and Houseboat Vacations as well as Lake George Tour Boats.

Frank Sokol holds the position of president of Falcon Associates, Inc., Westport, Conn.

Dr. **John Tien** was a co-author of "Cobalt Availability and Superalloys" which appeared in the October issue of *Journal of Metals*. He is a professor of metallurgy at the Henry Krumb School of Mines, Columbia University. He received his PhD and MS in metallurgy and materials science from Carnegie-Mellon and his MEng degree from Yale. He was a research scientist at Pratt & Whitney Aircraft for four years before joining the faculty at Columbia in 1972. He has written over 90 papers in many materials areas, including the physical and mechanical metallurgy of superalloys, coarsening and stress coarsening, kinetics of hydrogen embrittlement, and fracture mechanics. Also, he has researched and published in areas relating to materials availability and technology transfer. Dr. Tien is a consultant to many industries and the United Nations.

John Tufano is vice president and general manager of Peco Enterprises, Inc., Davenport, Iowa. He has an MA from Notre Dame. The Tufanos, who have two children, live in Bettendorf.

1963

Raymond Akerson is employed as division chief at National Security Agency, Fort Meade, Md.

Andrew Andersen is involved with special project construction at ASR Multi Group in Troy, Michigan.

Richard Garvais, who holds an MBA from Syracuse, serves as general manager of Wilson Sporting Goods, Fountain Inn, S.C.

Hunter Associates Laboratory, Reston, Va., has announced the promotion of **Howard McDevitt, Jr.** to the position of vice president of engineering. Prior to joining Hunter, he was supervisor of the Remote-Sensing Group of the Systems Division of Bendix Corporation.

More recently, he was vice president of engineering at Acuity Systems. He holds a BS from Bucknell, an MS from WPI, and he has also studied at the University of Michigan.

Dr. **Dan Pender** is setting up a medical practice in the specialty of otology (refers to ear diseases) in Lido Beach, N.Y. Dan says, "It is a wonderful specialty for a mechanical engineer, as it involves microsurgical repair of middle ear structures, as well as a thorough understanding of middle ear and inner ear biophysics." The latter concerns the concepts of impedance matching, vibrations, hydrodynamics, and the electrophysiology of the neurosensory receptors in the ear. After completing surgical residency at the University of Vermont, he was certified by the American Board of Otolaryngology in 1978. For the next two years, he was at Harvard on a research fellowship. "Along the way, my wife, Vivian, and I have seen our family grow to four children, including three-year-old twin girls."

Art Pratt serves as a senior associate at Alan Davis Assoc., Inc., Stamford, Conn. He is a registered professional engineer in Illinois and Connecticut.

Gerard St. Germain is guidance project manager at the Naval Plant Representative Office in Pittsfield, MA.

Willard Sweetser, Jr., has been named a vice president by Burnc & Roe, Inc. He will retain duties as director of construction with responsibility for all construction activities of the company.

1964

► **Married:** **Marshall W. Cross** and Margaret L. Mangan in Milford, Massachusetts. Mrs. Cross, a graduate of Quinsigamond Community College, is a senior secretary at GTE Sylvania of Needham, Mass., where her husband serves as engineering manager.

Dr. **John Boyle** holds the post of staff scientist at C.S. Draper Laboratory in Cambridge, Mass.

David McCaffrey is an account executive at Union Carbide Corp. in Chicago.

1965

Recently, "**Butch**" **Altenburg** established Technical Process and Engineering, a sales and engineering consultant company serving the rubber and plastic industries. He and his wife, Karen, are located in Tamaqua, Pa., where they are building a house. Both are very active with the National Ski Patrol. Also involved with the Eastern Division Ski and Toboggan Test Committee, Butch was the 49th person in the U.S. to receive National Certification. He is chairman of the Eastern Division Certified Program. Karen has been named the Outstanding Professional Patroller in the Eastern Division.

Thomas Arcari is co-founder of Triple-A Construction Company, a firm which builds custom houses, and is presently starting a one-hundred acre development in New Hartford, Conn. He has been with Northeast Utilities since 1969. The father of four, in his spare time he coaches Little League and makes furniture.

Anibal Ayala writes, "At age 55, I will be retiring next September. Hope to be there for the reunion, because then I'll be free to go when I please." For many years a professor of electrical engineering at the University of Puerto Rico, Mayaguez, he wrote a college textbook (*Electric Machines and Transformers*). A number of his technical papers have been published in various Puerto Rican technical journals. After retirement, Ayala plans to work in real estate investments.

Philip Bachelder, who has an MS in management from RPI's Hartford Graduate Center, serves a dual role as manager of process engineering and program manager of government R&D contracts in electrophotography at James River Graphics in South Hadley, Mass. His staff of 18 is involved in six technical disciplines. The Bachelders have four sons. Their dad says, "I have coached some boys' teams, but I get over-zealous. Would you believe that as a spectator I was shown 'the yellow card' for questioning a soccer referee's call."

Dr. **Bradford Barber** is now with the School of Physics and Astronomy at the University of Minnesota in Minneapolis.

Fishing, sailing, running, and skiing are favorite pastimes for **Nicholas Barone**. Since graduation he has worked for GE and Olin Corp. He is now director of consumer services, a government regulation function. He and Kathy have two boys and a girl. Kathy is very active in the PTA. Nick is past president of the Milford (Conn.) Kiwanis, chairman of the Milford Planning and Zoning Board, and director of the Milford Conservation Land Trust.

After spending two years with Exxon in England, **Frank Benham**, and his family are now resettled on Brookside, N.J. Currently, Frank is section head in the Engineering Technology Department at Exxon Research and Engineering in Florham Park, N.J. He is involved with designing, constructing, and operating the worldwide marine terminal facilities at

Exxon's refining and marketing location. After hours, he likes woodworking, sailing, and photography. Wife Paula is an officer in the Northern New Jersey unit of the Herb Society of America. Becky, 12, has decided she's seen enough of other countries and hopes to see more of the U.S.A. Her brother, Peter, 9, is a "ball of fire" with "webbed feet from too much swimming."

Confirmed Chess Nut **Gregory Berry** is not only one of the top postal chess players in the country, he is also the current president of the Argonne Chess Club, and a past president of the Chicago Industrial Chess League. "In addition to my chess passion, I play racquetball about twice a week." Berry, who has a PhD from UConn, now holds the post of manager of the energy system analysis group, engineering division, at Argonne National Laboratory. He is primarily concerned with emerging coal-based technologies. The Berrys have two sons.

Kenneth Brown manages a team of 55 electrical-mechanical-software engineers in the development of a new class of typesetter at Compugraphic Corporation. Once busy with the Jaycees, Brown and his wife have also become active supporters of Marriage Encounter. Daughters Debbie and Diane play the piano and ice skate, respectively. Sportswise, Brown has learned to sail small racing craft (470), and discovered how to "eat lunch balanced on the rail of a keeled-over boat and how to swim out from under a capsized boat." The family leads a guitar group for weekly folk masses at church.

Randy Burr serves as a buyer at Eastman Kodak, Rochester, N.Y. He purchases process control equipment and instrumentation (recording equipment) and energy management systems, with annual purchasing volume being as high as \$14 million. The Burrs and their children all enjoy golf and skiing with the children both competing in swimming. In the ten-year-old bracket, Lisa was ranked 29th in the U.S. as a breaststroker (AAU). Wife Pat is an operating room nurse. For two years, Randy was on the National Ski Patrol.

Robert Cahill writes: "Judy and I were fortunate in being VIP's at the XIII Winter Olympics at Lake Placid, and played the role to the hilt with the likes of Jean Claude Killy, Lemar Hunt, and the king and queen of Sweden." Cahill is president of National Hydron, Inc., Lancaster, Pa., which manufactures, among other things, "the" anti-fog goggle for skiers. He has been serving as class head agent. This year he, his wife, and two daughters traveled to Las Vegas and California.

Don Carlson has just relocated to Dusseldorf, West Germany, as product manager for European operations of the Torrington Company. His family of four enjoys bicycling along the Rhine with a knapsack of bread and local wine. Last fall, while home on leave, he acquired a handsome 10-point buck. Skiing in the Alps and fishing are also favorite pastimes.

Lee Chouinard was recently promoted to marketing manager of Europe and Africa for Amoco Chemicals, Petroleum Additives Division, and is now located in Geneva, Switzerland. Stacy, 8, is a budding gymnast. Trey, the Chouinards' four-year-old adopted son from Nicaragua, "has learned more English in the past 18 months than most five-year-old native Americans know." The family likes vacationing in Maine, home of Secretary of State Ed Muskie, Chouinard's uncle.

Presently, **Stephen Cloues** serves as a church planning consultant with an emphasis on starting new churches in strategic locations. He is headquartered in Birmingham, Ala. He holds postgraduate degrees from Georgia Tech and Southwestern Baptist Seminary. Hiking, backpacking, and bicycling are leisure-time activities.

For the past 13 years, **David Coombe** has been with the U.S. Army. Currently, he is stationed at Fort Bliss in El Paso, Texas. Earlier assignments were at Watervliet Arsenal in New York, and at Kwajalein Missile Range in the South Pacific. Recently, he earned a flight instructor's certificate. The Coombes like sailing, scuba diving, and skiing, depending on where they are located.

Frank Rainer (Czbulka) is studying laser induced damage to optical coating and glasses at Lawrence Livermore Laboratory in California. He has a master's degree from the University of California. Travel buffs, he and Sigrid have driven from Alaska to Panama, journeyed from Asia to Germany by bus, and visited Siberia, Kenya, the Great Wall of China, and South America—in all, over 62 countries.

Charles Dufour holds the post of director of newspaper engineering at Harris Corp. Business travel has taken him to China twice recently. He, Sandra, Jill, Holly, and Chuek now live in a 150-year-old house on the Pawcatuck River in Rhode Island. "We are in the process of gutting and remodeling this charming old house," Dufour says. (His wife is an interior designer.) Besides jogging and skiing, Dufour serves as president of an investment club which he helped to organize. "As yet we've made no money, much to my wife's dismay."

Charles Durkin, Jr. recently became involved in sailing and says he is becoming "addicted." He is town committeeman and treasurer of a political social club in Yorktown Heights, N.Y. With Con Edison since graduation, he is presently manager of system operation with responsibility for the reliable economic, secure and safe operation of the electric and steam systems serving New York City and Westchester County. He holds a patent on a control device and has published articles and technical papers. In 1977, he was chief system operator at Con Edison during the New York City blackout. "Many hours of hard work then!" The Durkins have three children.

William Eidt is now international licensee administrator for Combustion Engineering, and administers agreements with companies in France, Belgium, the Netherlands, Sweden, and Finland. He has a daughter, Lauren, 6. Pastimes include gardening,

softball, and part-time real estate sales. He holds an MBA from Western New England College.

Nils Erickson of Erickson Associates, Inc., who specializes in ski area design and ski lift relocations, is a professional engineer. In two years, he's worked in 15 states and two foreign countries. He is a licensed tramway inspector in Massachusetts, as well as a member of the national tramway code committee, and the Eastern Snow Conference. Previously, he was technical editor of "Ski Area Management" magazine. His 11-year-old daughter is a "super skier."

Jim Fee is now product manager for Accutest, a company in the automatic test equipment field. Over the years, he's regularly been involved with a number of WPI alumni: **John Jacobson** and **Cap Chenoweth**, '64—down river canoe racing and whitewater kayaking in Washington; **Alan George**, '66, **Wayne Ponik** and **Paul Covec**, '64—working on Teradyne projects; and **Pat Moran** and **Bill Shields**—road racing.

Dick Fortier, who has a PhD in mechanical engineering from Northeastern, is a mechanical group leader in the engineering division for Cabot Corporation in St. Louis. Previously, he had worked for Stone & Webster and had taught at Southeastern Massachusetts University. He and Gail have two sons. Serious running is a pastime, and in 1978 Dick qualified for and ran in the Boston Marathon.

Most of **Ron Friend's** professional career has been spent in the valve industry. Following employment with Jamesbury Corp. and Masoneilan Regulator Company, Ron is currently principal engineer at Crosby Valve and Gage Co. He belongs to the ASME, the ISA, and is a registered professional engineer. He and his family enjoy camping, their latest adventure being a two-week camping trip at Walt Disney World in Florida.

William Galebach serves as manager of the engineering department at the Hanover facility of Motorola in Maryland. His wife, Judy, is a financial analyst at Motorola. They both have degrees from Georgia State University. Although their daughter, Amy, is toddler age, she is always included in their yachting activities on Chesapeake Bay. Other interests are fishing, tennis, and being active in the Annapolis Choral Society, and the Community Association.

Robert Gerdes is currently a senior process engineer in the chemical division of PPG Industries, New Martinsville, West Virginia. He has been with the firm since graduation. His assignments have primarily been in chlorine and chlorinated benzene operations. One of his special projects was the starting of a new plant in Canada. Sally and he have two sons.

Paul Giusti went into the family business in 1976 and built a 300-seat restaurant and lounge on New Bedford's historic waterfront. "None of the laws of physics apply in the restaurant business, only Murphy's law." His wife, Patricia, a former American Airlines stewardess and Becker graduate, was Miss Pennsylvania in the Miss USA contest for

Miss Universe in 1964. The Giustis have two children and like tennis, skiing, and racquetball.

Joseph Gracia, Jr. presently serves as marketing manager of precision capacitors at Cornell-Dubilier Electronics. He writes: "Happy to be situated in southeastern Massachusetts raising a family and sailing around Buzzards Bay." Other interests include bicycling, skiing, and gardening.

Ronald Greene says he hopes to take advantage of another one of those "great trips sponsored by the WPI Alumni Association after we had such a super vacation in Paris in 1976." His involvement in barbershop quartet music has taken him to many parts of the country and Canada for conventions, competitions, and performances. He sings with an international competition chorus, The Sounds of Concord, arranges music, and directs. Since graduation, Greene has worked for General Dynamics, RCA, and Data General, where he built a department of 25 engineering programmers. Since January, he has served as manager of computer diagnostics at Computervision.

Jim Gustafson, his wife, Dot, and their daughter, Cari, live on a lake in Watertown, Conn., where they swim, fish, ice skate, and go boating. Gustafson has a master's in management science from the Hartford Graduate Center. He holds the post of manager of corporate data center operations at the Stanley Works in New Britain, Conn. Previously he was with Chas. T. Main, Boston, and Air Products & Chemicals, Allentown, Pa.

John Henrickson is a product planning manager at Western Electric Co., Allentown, Pa.

Glenn Hurst serves as project engineer at du Pont in Wilmington, Delaware.

Kenneth Johnson holds the position of vice president at Natgun Corp., El Dorado Hills, Calif.

George Mitschang, who has an MS from Cornell and the Naval Postgraduate School, also has a PhD from the latter. A lieutenant commander in the U.S. Navy, he is presently stationed in Scotland.

Charles Seaver serves as superintendent of the technical division at du Pont in Victoria, Texas.

Irwin Smith continues with American Standard, Wauregan, Conn., where he is plant engineer.

Previously vice provost for enrollment planning at Carnegie-Mellon University, Dr. **William Elliott** was recently appointed to the newly-created post of vice president for enrollment at the University. Bill joined the Carnegie-Mellon staff as assistant director of admissions in 1966. He has degrees from Clark University and the University of Pittsburgh, and he is a former president of the Pennsylvania Association of College Admissions Counselors.

Richard Goodell has been named director of minerals engineering by the materials science products group of Pfizer, Inc. New York City. Since 1977, he had been plant manager for the firm in Adams, Mass., after serving in similar capacities at Pfizer plants in Lucerne Valley and Victorville, Calif. He began his career with the company in 1971 as a project engineer at the Adams plant, and became plant engineer in 1972. He will remain at the Adams plant in his new capacity. Prior to joining Pfizer, Goodell was associated with Sikorsky Aircraft, serving as a test engineer. The Goodells live in Williamstown and have three children.

Wallace Hack serves as a maintenance supervisor at Borden, Inc., Chemical Division, Leominster, Mass. He is a professional engineer in Illinois, New Jersey, and Massachusetts.

Dr. **Charles Jaworski** serves as an oral surgery resident at Letterman Army Medical Center in San Francisco. He is a lieutenant commander in the U.S. Navy. He and Rosemary have two children and live in Novato, Calif.

James Loomis is a general superintendent for Stone & Webster, Boston. He and Judy and their three children live in Baton Rouge, La.

Marty Mastroianni is a manager of market development at Allied Chemical Corp., Morristown, N.J.

Alan Moku, who has an MBA from Northeastern, is employed as a senior staff engineer at Kollsman Instrument Co., in Merrimack, N.H.

David Spencer is with Pacific Power & Light, Centralia, Washington. He and Kathy have two children.

Robert Wilson works as a process engineer at Arwood Corp., Tilton, N.H. The company produces investment castings in aluminum, magnesium, and copper alloys, used mostly in the aircraft, aerospace, and defense industries.

Charlie Goodspeed heads Goodspeed & Associates, Exeter, N.H., a small construction company which specializes in solar energy. Also, he is an assistant professor in the civil engineering department at UNH.

Ron Gordon is involved with tech ed. planning at IBM in Irving, Texas. He is a professional soccer referee.

John Kuenzler holds the position of mid-west area manager for EMC Controls of Cockeysville, Md. The Kuenzlers live in Jarrettsville and have two children.

Bhoopen Kurani is with Earth Quake Engineering Systems, San Francisco.

Herb Riddle, Jr. is employed as program manager for Special Military Electronics at Analog Devices, Norwood, Mass.

Joseph Slocik holds the position of senior engineer in the advanced transformer department at GE in Pittsfield, Mass. He has an MS from Union College.

Nelson Thune serves as plant manager at Hyland Therapeutics Division, Travenol Laboratories in Los Angeles.

Duncan Vanderberg works as a project engineer at Dow Corning Corp. in Hemlock, Mich.

1968

► **Born:** to Mr. and Mrs. **Roger Pryor** a son, James Clark, on October 5, 1980.

Michael Babin works as a senior project engineer at Polysar, Inc., Leominster, Mass.

R. Gregory Balmer is a staff engineer at Exxon Research & Engineering Co., Florham Park, N.J. He holds an MS in environmental engineering from Purdue.

Wayne Blanchard is operations finance manager at Johnson & Johnson in Chicago. He and Sandra have two daughters.

Richard Collins has been promoted to associate actuary at State Mutual in Worcester. A fellow of the Society of Actuaries, he has been with State Mutual since 1968. He had served as assistant actuary.

Robert Cuikay, who has an MSEE from WPI, has been appointed director of support engineering at Data General in Westboro, Mass. With the company since 1973, previously he was manager of the systems sustaining engineering department.

DMP Corp., Fort Mill, S.C., has promoted **Paul Dubinsky** to executive vice president of sales, administration and manufacturing. Formerly, he was vice president of sales. Before joining the firm, he was waste treatment manager, and later national sales manager for Napco. He holds a degree in psychology from Sacred Heart University, and studied for his MA in business at UNH.

The director of Civil Preparedness in Glastonbury, Conn. recently announced that **Edward Harper** has been appointed as assistant radiological defense officer and civil preparedness training officer. Harper is director of engineering for the Harper Buffing Machine

1966

Brian Belanger is employed as principal staff engineer at Motorola, Inc., Tempe, Arizona.

J.N. Borad is a design engineer for Nuclear Power Service, Inc., Secaucus, N.J. He and Urmila and their three children reside in Houston, Texas.

Jeffrey Cheyne works as an electrical design engineer at Raytheon in Sudbury, Mass. He has an MSEE from Northeastern.

1967

Warren Clark serves as senior engineer at Dynamics Research Corp., Wilmington, Mass.

Carmen DellaVecchia, who holds an MS in mathematics from St. Mary's University in San Antonio, Texas, holds the post of unit manager of sales at Procter and Gamble, Shreveport, La.

Major **Edward Gallo** is currently stationed with the U.S. Army Ordnance Corps outside of Athens, Greece.

Company and serves in electronics for the Navy Reserve. He is also the amateur communications coordinator for Civil Preparedness.

Phillip LaRoe is a range engineer at the U.S. Naval Weapons Center at China Lake, Calif.

Since 1975, **Bob Meader** has been a study manager in the Navigation and Coastal Branch of the Corps of Engineers, Mobile District. Last spring, he was one of 15 Corps employees selected to attend an eleven-month training course for water resource planners at the Board of Engineers for Rivers and Harbors in Fort Belvoir, Va. The intensive course covered a full range of planning and engineering activities from beach erosion projects to societal impacts of water supply. A bicycling devotee, like Ed Delano, '30, he commutes by bike to work. In five years he pedaled over 28,000 miles. Some time ago, he went to Delano's house where he received a friendly welcome and a glass of apple juice. Bob is studying for his MS through the University of Alabama.

Dr. **Michael Paige** presently serves as manager of product quality assurance at Wang Laboratories, Lowell, Mass.

Wayne Pierce holds the post of section head at Exxon Research & Engineering, Florham Park, N.J.

Kenneth Roberts serves as controller of the central region for Mobil Corp. He, Kathleen, and three children reside in Barrington, Ill.

Frederick White is a development engineer at Ingersoll Rand, Painted Post, N.Y.

1969

James Alford is engineering representative at Travelers Insurance in Boston. Also, he serves as commanding officer of maintenance unit, USCG Reserve, in Boston.

Thomas Fournier is district engineer at Puget Sound Power & Light in Burlington, Washington.

Peter Grosch was named manager of retail marketing for Soabar, a leading supplier of tags, labels, and in-plant marketing systems. He is responsible for the overall marketing direction of OCR-A as well as conventional price marking systems. Prior to his promotion, Grosch spent about two years as manager of advanced systems development and over three years as product manager. He has a master's degree in marketing from Emory University, Atlanta, Ga.

Dr. **Richard Gross** serves as a research leader at Dow Chemical, Plaquemine, Louisiana.

David Johnson holds the post of department chief at Western Electric in Morristown, N.J.

Presently, **Michael Joseph** is a senior physicist at Herron Optical Co., Long Beach, Calif.

George McCandless, Jr. is an instructor in the department of economics at Dartmouth College.

Vinubhai Shah works as principal engineer at Gilbert/Commonwealth in Jackson, Mich.

In September, **Peter Walsh** received his MBA from Suffolk University. He is district manager of McGraw-Edison, St. Louis, Mo.

1970

► **Married: Peter G. Bladen** and Janice A. Baumhover on September 20, 1980 in Henderson, North Carolina. The bride is a graduate of North Carolina State University, where her husband received his MS. They are both employed at Bechtel Power Corporation in Gaithersburg, Md.

Todd Akin is assistant manager of maintenance at Laclede Steel. He and his wife live in St. Louis and have one child.

Still with American Cyanamid, **Philip Bartlett** is presently business manager for the firm in Wayne, N.J.

Peter Billington is an assistant professor at Northeastern University, Boston. A PhD candidate at Cornell, he is working on his thesis. His major is operations management and his minor is quantitative methods in business.

Bernard Dodge, who will soon receive his PhD, is an assistant professor in the department of educational technology at San Diego State University.

Roger Etherington works as a technical service representative at Vulcan Materials Co., Chemical Division, Birmingham, Alabama.

John Garrity spoke on the Maine nuclear referendum before the Dexter Kiwanis Club in August. He joined Maine Yankee's reactor engineering department in 1970. He participated as engineering supervisor in the start-up program. In 1974, he started at Central Maine Power Co. as project engineer for the Sears Island nuclear project. Presently he is director of nuclear engineering and licensing at Maine Yankee. Formerly, he was chairman of the Boston section of the American Nuclear Society.

Will Heald is a self-employed partner in real estate investments in Phoenix, Arizona.

Dr. **Robert Plante** is an assistant professor of management at Purdue University, Lafayette, Indiana. Recently, he received his PhD from the University of Georgia.

Joseph Toce, who has his PhD in biochemistry from the University of Wisconsin, is a chemist at Sigma Chemical Co., St. Louis, Missouri. Wife Suzanne is an MD.

1971

► **Married: Donald H. Campbell, Jr.** and Pamela J. Hale in Enfield, Connecticut on October 4, 1980. Mrs. Campbell, who is employed by Alvin and Company, Bloomfield, graduated from Enrico Fermi High School, Enfield. The bridegroom works for Combustion Engineering, Windsor.

Keith E. Hongisto and Susan E. Johnson in Chippewa, Pennsylvania on September 6, 1980. Mrs. Hongisto graduated from West Chester State College, and is employed by Sargent Electric Co., Shippingport, Pa. The bridegroom works for Stone & Webster, also in Shippingport.

► **Kent Borner** works as division manager at Phaseliner, Syosset, Long Island, N.Y. The Borners reside in Griswold, Conn.

Richard Carroll holds the post of vice president of manufacturing at Hydr-O-Matic at Claremont & Baney in Ashland, Ohio.

Neil Collins holds the position of production administrator and project engineer at Daverman & Associates in Syracuse, N.Y. He has an MS in management science and engineering from WPI, and also graduated from the School of Industrial Management. He just completed two years as chairman of the Worcester County section of IEEE.

Greg Dickson serves as Michigan division manager of industrial hygiene for Dow Chemical Co., Midland, Mich.

Dr. **Paul Furciniti** continues as a research associate at Columbia University. He is with Brookhaven National Lab., Upton, N.Y.

William Helliwell was promoted to manager of contract service engineering in the service division of Riley Stoker in Worcester. With the company since graduation, he had been district service manager in the Denver office. He has an MBA from the University of Denver.

William Leslie is employed as a site manager at Westinghouse in Bay City Texas.

Emile Leveseur works as a manufacturing engineer at King-Seeley Thermos Co., Norwich, Conn.

Peter Markunas currently holds the post of chief of the facilities branch of the Department of Transportation in Cambridge, Mass. He often sees Prof. **Roger Borden**, '61, who is also at the DOT on leave from WPI for the academic year.

Donald Milia is employed as a salesman at the Torrington Co., Cleveland, Ohio.

Anthony Schepis serves as marketing manager for the ATM division at ALFA-Laval, Inc., Poughkeepsie, N.Y.

Mitchell Soivenski is a systems analyst at Liberty Mutual in Portsmouth, N.H.

Donald Usher received his MBA from Kent State in May. He was a member of the WPI alumni crew team which defeated the Holy Cross alumni crew, as well as the Holy Cross varsity crew, over Homecoming.

Ron Zarrella recently resigned as director of engineering at Clairol to become vice president of manufacturing with the Danskin division of International Playtex in York, Pa.

1972

► **Married:** **John P. Gallien** to Sandra J. Treacy in Reading, Massachusetts on September 13, 1980. Mrs. Gallien graduated from the University of Massachusetts, Amherst, and manages Racquettime Club in Woburn. The groom serves as a project engineer at GTE Sylvania in Danvers.

► **James Altoonian** is a partner in Harvard Management Company, Boston. He trades equity securities for the Harvard University Endowment Fund.

James Andruchow, a building contractor for Stephen Andruchow, Inc., West Warwick, R.I., is a sponsor of the West Warwick Slow-Pitch League and of West Warwick Youth Soccer. He belongs to the town's tax assessment board of review and serves as first vice chairman of the West Warwick Republican Town Committee.

Peter Bertasi serves as market manager at Olin Chemicals in Stamford, Conn.

Richard Ellis works for O.D. Hopkins Associates, Contoocook, N.H.

Bruce Hall continues as a contract administrator for the U.S. Navy at the Portsmouth Naval Shipyard in Kittery, Me.

Ed Kleinman has received his PhD in chemistry from the University of California, Berkeley. He is now working at Pfizer in Groton, Conn. as a research scientist in medicinal chemistry.

David LeBlanc serves as a sales representative for GE's Wire & Cable Department in Bridgeport, Conn. He is district representative in Massachusetts and Rhode Island from his office in Natick.

Henry Margolis continues as a staff associate for the department of physical chemistry, Forsyth Dental Center, Boston, Mass. He has a PhD from the University of Vermont.

Richard Meighan is employed as district manager and sales engineer at Warren Pumps in Indianapolis, Indiana.

Continuing with Clairol, **Richard Sojka** is currently manager of N/S operations for the firm in Stamford, Conn. **Joseph Szlosek** works as a production supervisor at Imperial Chemical Industries in Marshall, Texas.

Richard Wolke holds the post of advanced manufacturing engineer at GE in Lynchburg, Va. His specialty is robotics.

1973

► **Married:** **Richard A. Choiniere** and Sharon A. Vegnone in Webster, Massachusetts on September 14, 1980. The bride graduated from Dudley Hall Career Institute. She is a medical secretary in Worcester. Her husband serves as quality control manager for Feecon Corp., Westboro, Mass.

Maryann Bagdis Pace and John S. Runge in Dallas, Texas on September 26, 1980. The bride has accepted a position as director of Data Processing for GENCOM, Inc., in Dallas. The company services and sells beepers, mobile telephones and telephone answering services in ten U.S. cities. Maryann's job is to design software and select appropriate hardware. The firm has no computers.

Alden J. Palmer and Cathlin A. Houlihan in Manchester Center, Vermont, on July 19, 1980. The bride, an elementary school teacher, is a graduate of Eastern Connecticut State College. In September, she began studying for her master's degree in education at the College. Her husband is a senior scientific program analyst at the Pratt & Whitney Division of United Technologies, East Hartford, Conn.

► **Fermo Bianchi** is area engineer at Canbro Corp., Pittsfield, Maine.

In June, **Richard Brontoli** will start graduate school in construction management under a fully-funded Army program. Presently he is captain and company commander with a U.S. Army engineer construction company in Baumholder, Germany.

Leo Buchakjian serves as manager of DS processing for GE in Cincinnati, Ohio. He has an MS in materials science from MIT.

Stephen Dolan, who holds an MD from UVM, is now resident physician in the department of medicine at the University of Missouri.

Andrew Langdon is a financial analyst at Rockwell International in Anaheim, Calif.

Recently, **Kenneth Lexier** was appointed as curriculum coordinator and project writer for the public schools in Uxbridge, Mass. He was chosen for the newly-created post over 28 other applicants. Previously, he held a similar position with the Attleboro School System. He has also taught at the Worcester Alternative High School and worked as a desk lecturer at Worcester State College and Assumption. He holds an MA from Assumption and an education doctorate from Boston University.

John Luikey, Jr. works as second shift superintendent at ITT Royal Electric in Pawtucket, R.I.

Frederick Paris serves as divisional project engineer at Ludlow Corp. in Needham Heights, Mass.

Albert Popoli continues as senior structural designer at Stone & Webster in Boston.

J. Diane Pritchard is now employed by Barrington College in Barrington, R.I.

Thomas Radican works as an area engineer for American Hoechst in Coventry, R.I.

Robert Schultz owns Riverpoint Tool, Inc., Providence, R.I. He is moving to Rhode Island after working in Alaska as operations manager for Alaska International Construction. He holds a degree in arctic engineering from the University of Alaska.

Gary Selden, who is with GE in Warren, Michigan, serves as manager of tungsten carbide powder production and quality control for international projects.

Previously with Material Service Corp., **Tim Whitehouse** is now plant superintendent at A.R.C. Kyle, Inc., Lithonia, Ga. The firm is a large concrete pipe producer in the south-east.

1974

► **Married:** **Charles W. Fallon** and Miss Judith L. Janson in Shrewsbury, Massachusetts on August 9, 1980. Mrs. Fallon, a student at Quinsigamond Community College, is employed at WPI. The groom works as a field-service technician at Feecon Corp., Westboro.

► **Born:** to Mr. and Mrs. **Robert Lindberg, Jr.** their first child, a daughter, Bethany Christine, on August 17, 1980. Bob is a research physicist at Naval Research Laboratory in Washington, D.C. Presently, he is assigned to Columbia University, New York City, where he is pursuing his doctorate in mechanical engineering.

Brian Anderson holds the post of sales engineer at Tyson Controls, Inc., Mansfield, Mass.

Dean Anderson is employed as a project engineer at Perini Corporation in Framingham, Mass.

Subhash Bajaj works as a quality control manager at Hitchiner Mfg. Co. in O'Fallon, Mo. The company makes non-ferrous investment castings for aerospace, computer, and communication industries.

Davis Balestracci serves as a statistician at FMC Corporation in Princeton, N.J. He is slated to receive two advanced degrees from the University of Minnesota in June.

Leonard Brzozowski serves as division materials manager at Midland Brake Division-Midland Ross Corporation, Owosso, Mich.

Don Buccì is now a senior project engineer at International Coal Refining Corp., Allentown, Pa. The company is a subsidiary of Air Products and Wheelabrator Frye. Buccì has an MS from the University of Pittsburgh. He is a registered professional engineer in Pennsylvania.

Armand Catalani holds the post of director of customer support operations at Geo. J. Meyer Mfg. in Cudahy, Wisconsin.

Robert Cimikowski is a computer specialist at Martin Marietta in Denver, Colorado.

William Dyson is senior research engineer at Monsanto, St. Peters, Missouri. Recently, he received his PhD in physics from West Virginia University.

James Edwards is presently a graduate student at Iowa State University.

John Gilgis holds the post of principal programmer at Data General in Westboro, Mass. Previously, he worked in DG's national technical support and in new products support in North Carolina for field engineering.

H. Edward Goetsch serves as assistant chief engineer for advanced products at Standa-dyne, Inc., in Windsor, Conn. He has an MSEE from RPI, is married, and has one child.

David Korzec has been promoted to supervisor of general construction at Northeast Utilities, Millstone nuclear power plant. Currently he attends courses at the Groton branch of the Hartford Graduate Center. He joined NU in 1977. He and his wife, who is an interior designer for Home Beautiful of New London, Conn., live in Waterford.

James Martin works as frame foreman at New England Telephone in Manchester, N.H.

Harvey Neilson, now separated from the U.S.A.F., is currently a full-time student at Boston University.

Garry Nunes is construction supervisor at Stone & Webster in Piketon, Ohio.

Grason-Stadler has appointed **Janice Painter** as marketing manager. In 1975, she joined the organization as a customer training manager in the Behavioral Instrumentation Group. In 1976, she became associated with the GSI middle-ear product line as a marketing assistant, and then as product manager. She has traveled extensively for GSI presenting training sessions and demonstrations. As marketing manager, she is responsible for the total marketing effort at Grason-Stadler, which has been manufacturing hearing-testing instruments for thirty years.

Daniel Palmer, a project engineer at Ebasco Services, is pursuing his MBA at the University of Houston.

George Ranney continues as process engineer at Uniroyal Chemical Co., Giesmar, Louisiana.

Robert Trotter is a project engineer at Stanadync Inc. in Windsor, Conn.

Camp Dresser & McKee, Inc., New York City, employs **Peter Tunnicliffe** as director of construction services. He is studying for his M.D.

Richard Ventre is area engineer for du Pont in Wilmington, Delaware.

1975

► **Married: Vicki J. Cowart** and Michael Grieco from Rome, New York in April. The bride, who has her ms in geophysics from Colorado School of Mines, has been a geophysicist in the oil and gas exploration program at Mobil since 1977. Currently, she is involved with the offshore California Federal Lease Sale Program and the Wyoming Green River Basin Project. Her husband, a computer geologist for Mobil, holds degrees from the University of Syracuse.

Jan M. Reny to Thomas A. Runge on December 13, 1980 in Kalamazoo, Michigan. The bride is a chemist in chemical process R&D at the Upjohn Company in Kalamazoo. The groom recently completed his PhD in organic chemistry at the University of Wisconsin-Madison under Dr. Barry M. Trost. He will also be employed by Upjohn.

► **Vinay Aggarwal** serves as a member of the technical staff at CTE Research Labs, Inc., Waltham, Mass.

Jon Anderson continues as a lawyer with Peterson, Gibson & Noble, Montpelier, Vt.

Paul Bianchet serves as a senior field engineer at Combustion Engineering, Windsor, Conn. He has his MBA from RPI.

Erik Brodin, who is with General Motors, represented his company at a placement seminar held in November at WPI. **Robert Morin** represented Stanadyne at the same seminar.

Bruce D'Ambrosio is a programmer analyst at Pacific Sierra Research Co. in Santa Monica, Calif. He received his ms in computer science from the University of Southern California.

Harry Danberg works as a process engineer at Celanese Chemical Corp., Houston, Texas.

Navy Lt. j.g. **William Demers** has returned from a deployment in the Mediterranean Sea. He is personnel officer of Carrier Airborne Early Warning Squadron (VAW) 123, based at the Naval Air Station, Norfolk, Va. While deployed, his squadron was embarked aboard the aircraft carrier USS Saratoga. During the cruise, the crew visited a number of ports from Palma de Mallorca to Tunis. The ship participated in several training exercises, including the NATO exercise, "Dawn Patrol."

Robert Donle is project engineer for Pacific Construction Co., Ltd., Honolulu, Hawaii.

Allen Downs has started the MBA program at Harvard Business School.

Jay Gainsboro holds the position of president at Opus Telecom Inc. in Weston, Mass.

Will George is now assistant district attorney at the Worcester County Courthouse.

Maurice Giroux works as a senior engineer at Martin Marietta Aerospace in Denver, Colorado. He has an MBA from the University of Utah. Presently, he is concerned with space shuttle communication system engineering.

Lt. **Daniel Halstead** continues with the U.S. Navy at Pearl Harbor.

Kenneth Howell works as a junior accountant at Aimes Department Store in Rocky Hill, Conn.

Terry Itameri-Kinter, and Kristina, whom he married last June, spent a two-month honeymoon bicycling through Germany, the Netherlands, Belgium, Luxembourg, Switzerland, and Italy. Currently, the couple resides in Turku, Finland, where Terry is an English instructor at Inlingua Kieliopisto.

Gary Kiontke was promoted to senior actuarial assistant at Monarch Life Insurance Co., Springfield, Mass. He joined the firm in 1977, and previously held the position of actuarial assistant. Recently, he took courses at the School of Insurance at the University of Connecticut.

Robert Lord, Jr. is employed as a district sales engineer at Torrington Co. in Westport, Conn.

Ronnie Materniak, who is presently enrolled in the MBA program at the University of Richmond, is area engineer for du Pont in the construction division at the Spruance plant.

Mark McCabe holds the position of project engineer-manager at Wendel Kent & Co., Inc., Sarasota, Fla.

Robert Murray holds the post of senior support engineer at Northrop Corp. in Norwood, Mass. He has been with Northrop since November of 1979.

Paul O'Brien is presently a seminarian studying for Catholic priesthood at Pope John XXIII National Seminary in Weston, Mass., where he will receive his master's of divinity. He has an MBA from the University of New Haven.

Robert Simon holds the title of business analyst at Allied Chemical Corp., Chemicals Company, in Morristown, N.J.

Dr. **Kazem Sohraby** is employed as senior engineer at Computer Sciences Corp., Falls Church, Va. He has a PhD in electrical engineering from Polytechnic Institute of New York.

Steve Sweeney works as an industrial engineer for the Department of the Navy in Pittsfield, Mass. He received his MBA from the University of Hartford.

Presently, **Donald Taddia** is employed as a project manager at USAIR in Pittsburgh, Pa.

Morris Weisman is employed as a meteorologist at the National Center for Atmospheric Research in Boulder, Colorado.

Scott Wilson is now a project gyro engineer at Timex Corp., Middlebury, Conn. He and his bride, Nora, reside in Wolcott.

Jon Wyman, a lieutenant in the Civil Engineer Corps, U.S. Navy, just completed a tour with deployments to Rota, Spain and Guantanamo Bay, Cuba. He and Rhonda have three children and live in Gainesville, Fla. Currently, Jon is working for his ms in engineering and construction management at the University of Florida, Gainesville.

1976

► **Married: Scott R. Bamford** to Patricia Devine on October 18, 1980 in Warwick, Rhode Island. The bride, who has an undergraduate and graduate degrees from the University of Rhode Island, has been an employment counselor for the state. Her husband has a master's degree in ocean engineering from URI.

Mark K. Coulson and Diane M. Ciaccio on September 27, 1980 in Massachusetts. Mrs. Coulson received her degree in biology from Skidmore College and presently manages her own business. The groom is employed as a nuclear engineer in Connecticut and is studying for his MBA.

Craig J. Plourde and Mary A. Parese in North Haven, Connecticut on October 18, 1980. The bride, an engineer for SNETCO, graduated from Villanova with a BS in biology and holds an MS degree in environmental engineering from the University of Connecticut. The bridegroom serves as a senior systems engineer at CBT.

John Ryle III and Wendy D. Rockefeller on May 31, 1980. The bride graduated from Radford College in Virginia. Her husband is a benefit specialist at Buck Consultants, Inc. in New York City.

Paul R. J. Selent to Gail J. Bringsauf on October 12, 1980 in Kinnelon, New Jersey. The bride graduated from Montville Township High School and is employed as a technical clerk at Exxon Research and Engineering in Florham Park, N.J., where her husband is an electrical engineer. He has received his master's degree from RPI.

► **Born:** to Susan and **Jeremy Brown** twin daughters, Melissa Margaret and Glenna Elizabeth, on July 21, 1980. Their daughter, Emily, will be three in February. Brown recently completed the fellowship examinations of the Society of Actuaries and was promoted to assistant actuary at State Mutual in Worcester.

► **Army Major William Baker** is now stationed at Ft. Leavenworth, Kansas. In June, he will be headquartered at Ft. Lee, Va.

Peter Barbadora is employed as assistant supervisor of quality assurance at Perini Power Construction, Framingham, Mass.

Joseph Betro is a doctoral candidate at the University of Illinois in Champaign-Urbana. Two years ago he received his MSEE from the University of Wisconsin.

Alan Briggs was recently promoted to maintenance supervisor at du Pont's neoprene manufacturing facility in LaPlace, La. He is continuing to work for his MBA on a part-time basis.

James Buss, an associate of the Society of Actuaries, has been advanced to senior actuarial associate at State Mutual in Worcester. He had been an actuarial associate.

W. Kim Colich serves as associate buyer at Newport News Shipbuilding, Newport News, Va. The Coliches have one child and live in Hampton.

Albert Cooley serves as product manager at the Codex subsidiary of Motorola in Mansfield, Mass. Presently, he is working on his MS at BU. Earlier, he had been with RCA Solid State.

David DeMeo continues as a lieutenant with the U.S. Navy.

Loretta Deming is associate project engineer at Clairol in Stamford, Conn. She has an MS from MIT.

Sidney Formal is presently with USAED, Baltimore District, at Ft. Belvoir, Va.

Daniel Garfi is employed as a consultant at Spiridellis and Associates, Inc., Piscataway, N.J.

Norman Garipey is now a CPA and senior auditor at Touche Ross & Co., Worcester. He holds an MS in accounting from Northeastern.

Scott Gowing is with David Taylor Naval Ship Research and Development Center in Bethesda, Md.

Previously a transportation planner in Hartford, Conn., **John Griffiths** is now a project development engineer at Tri-Met, Portland, Oregon. He has an MSCE from the University of Virginia.

John Hamilton continues as chief project engineer at Raymond International Builders in Houston, Texas.

George Hefferon has received his PhD in photo-chemistry from Columbia University, where he also earned his master's degree. Presently, he and his wife, Marguerite, are at Ohio State University in Columbus, where he is doing post-doctoral work, and she teaches English. Mrs. Hefferon is working on her PhD in English at Ohio State.

Kansas Gas and Electric Company recently named **Thomas Keenan** as director of nuclear operations. Previously, he was director of engineering and operations at Vermont Yankee Nuclear Power Corporation, Vernon, Vt. In his new post, he will be responsible for the operation of Wolf Creek Generating Station which is under construction near Burlington, Kansas. A Naval Academy graduate, Keenan, who served several years in the Navy, attended the Naval Nuclear Power School, and for six years was chief engineer for the USS Robert E. Lee nuclear submarine. With Yankee since 1969, in 1977, he was named director of engineering and operations for Vermont Yankee Nuclear Power Corporation.

Kenneth Korcz works as a field engineer for GE in Atlanta, Ga.

A self-employed consultant, **Marc Langlois** recently received his MS in materials engineering from WPI. He is located in Decatur, Ga.

Roger Leighton is an automation engineer at Eastman Kodak, Rochester, N.Y.

John Mangiagli, Jr. is a technical service engineer at Ingersoll-Rand Co. in Painted Post, N.Y.

Michael Miller continues as a captain in the U.S. Army. He is operations officer of a helicopter flight unit.

Kathleen Morse of Digital Equipment Co. was a panelist at a placement seminar held at WPI in November.

Stephen Rourke has been promoted to quality assurance analyst at the New England Power Exchange (NEPEX). The operating arm of the New England Power Pool, NEPEX coordinates the production and transmission of electricity in New England. Rourke joined NEPEX in 1976 as an assistant engineer. He advanced to associate engineer in 1978. Currently, he is completing his MBA at Western New England College, Springfield, Mass. He belongs to the IEEE and is chairman of the NEPEX-NEPLAN Activities Committee, a recreational group for employees. He is a member of the Cathedral Chapter at Christ Church Cathedral, Springfield.

Continuing with GE, **Eugene Savoie** is currently district sales manager for the firm in Overland Park, Kansas.

Steven Tremblay is executive director of Alpha I, South Portland, Maine.

Presently, **Mike White** works for Water and Power Resources Service for the U.S. Department of Interior in Klamath Falls, Oregon.

Jeff Wilcox holds the post of administrative analyst at Mobil Oil in Mission, Kansas. He has an MBA from the University of Pittsburgh.

1977

► **Married:** **James B. Howe** and Barbara A. Merriam in Baldwinsville, New York on October 11, 1980. Mrs. Howe graduated from Powelson Business Institute and is with Niagara Mohawk Power Corp., where her husband serves as an engineer.

Charles M. Johnson and Janet K. Van Wert in Holden, Massachusetts on August 16, 1980. Mrs. Johnson is a graduate of UMass-Amherst, where she received a BS in elementary education. The bridegroom attends Cornell University Graduate School of Business.

John J. Osowski and Debra Smith in Canandaigua, New York on August 23, 1980. The bride, a graduate of Community College of the Finger Lakes, is a student at Rochester Institute of Technology, where her husband is also enrolled. She is a customer service representative for Mobil Chemical Co. The bridegroom is temporarily assigned to Mobil Chemical Canada Ltd., Belleville.

► **Michael Abrams** is a senior engineering technician at Geo Source in Houston, Texas. Currently, he is working on his MSEE at the University of Houston.

Glenn Andrews serves as a technical programmer at Travelers Insurance Co., Hartford, Conn.

Christopher Baker and his wife, Nancy are currently residing in Lawrence, Mass., where they were married last October. Baker writes: "Nancy didn't like cactus, so we moved back to New England from Arizona." Nancy graduated from Northern Essex Community College and currently works for Cressey-Dockham Co., while her husband is with Edwards & Kelcey in Boston.

William Cronin continues with Digital Equipment in Maynard, Mass.

Still with General Dynamics, Convair Division, **Paul Curdo** is now on loan in an industry-assist program to Boeing Co., Seattle, for design of the strut structure of a new generation airplane, the 757. He is a structural engineer.

Alfred Elvin is a post doctoral fellow at SUNY, Buffalo, in the Department of Pharmaceutics.

Tom Grautski serves as an area manager in production at Estee Lauder in Melville, N.Y.

Keith Harrison is employed as assistant area engineer by the Federal Highway Administration in Lansing, Michigan.

George Keeler recently completed the GE Advanced Engineering Course and Edison Program. He is a product design engineer for GE in Pittsfield, Mass.

Brian Kisiel continues as a technical specialist for Betz Laboratories working out of Wilton, N.H.

Henry LeBlanc, still with the Plastics Division of Mobil Chemical Co., currently serves as project manager on a \$10 million plant expansion in Bakersfield, Calif., the completion date being in May. Since April, he has been a crew member on a racing yacht

which sails out of Long Beach Yacht Club. He writes: "The winters in Southern California are much nicer than those in upstate New York (Macedon), although I do miss the beauty of that first snow fall."

David Makris is a senior associate programmer at IBM in Poughkeepsie, N.Y.

Bruce Minsky of the University of Massachusetts Medical School participated in the placement seminar held in November at WPI.

Roberta Ann Nelson is in technical sales at Schaal Associates, Burlington, Mass. At night she goes to Suffolk Law School. She has an answering service for her own business, Bertabel Trust.

Vanigere Ranganath holds the post of program and systems manager at Hewlett Packard in Waltham, Mass.

Albert Riggieri, Jr. serves as a senior actuarial assistant at Paul Revere Life Insurance Co., Worcester.

Nancy Roberts is employed as an actuarial analyst at Sun Life of Canada in Wellesley Hills, Mass.

Ralph Sacco III continues as a sales engineer at Westinghouse in Framingham, Mass.

Robert Szewczyk is an electro-optics engineer in the Optical Sciences Department at the University of Arizona in Tucson.

Dave White is a biologist for Ecology & Environment, Inc., Edison, N.J.

Endel J. Luhtjarv and Dawn K. Charlonne in Winchendon, Massachusetts on August 9, 1980. The bride graduated from the dental assistant program at Monty-Tech. Her husband serves as a quality assurance engineer at Simplex Time Recorder.

► Navy Lt. j.g. **Bramwell Arnold, Jr.** was promoted to his present rank while serving with Attack Squadron 122, based at Naval Air Station, Lemoore, Calif.

Daniel Baublis, a field engineer for Babcock & Wilcox, is presently a lead start-up engineer at a coal power plant in New Mexico.

State Mutual, Worcester, recently promoted **Shane Chalke** from actuarial assistant to actuarial associate. He is an associate of the Society of Actuaries.

Barry Cronin serves as a project engineer at GE in Syracuse, N.Y.

Rodney Dill is a field engineer at GE Ordnance Systems in Newport News, Va.

Elizabeth McCauley Donahue is employed as an occupational program consultant by the Aiken County Commission on Alcohol and Drug Abuse in Aiken, S.C. She is director of a \$26,000 program providing employer assistance programs to industries in a three-county area. During the past fiscal year, revenues have doubled.

Jeffrey Firestone, still with Rockwell, is currently on loan to Boeing in Seattle, Washington. He has been assigned to Boeing Aerospace on the MX missile project.

Formerly with O'Brien & Gere, **Bill Gagne** is now a graduate teaching assistant in the department of civil engineering at WPI.

Paul Gifford is a construction estimator at Daniel International, Manchester, Ohio.

Karen Hayes serves as a programmer-analyst at Gerber Systems Technology, South Windsor, Conn.

Keith Herreman holds the post of marketing representative at Westinghouse, Athens, Ga.

Michael Kenniston is a PhD student in the computer science department at Stanford University, Stanford, Calif.

Presently, **Gary Knox** is with E.J. Systems, Inc., where he is concerned with advanced manufacturing technology. He is located in North Billerica, Mass.

Stephen Kuczarski serves as a project engineer at Hamilton Standard, Windsor Locks, Conn. He, his wife, Carole, and baby, Laura, reside in West Springfield, Mass.

Scott Lentz holds the post of control systems engineer at Aramco in Houston, Texas. He will be moving to Saudi Arabia.

Charles Marden is a lieutenant j.g. in the Navy. Home port is Pearl Harbor.

Laura Mattick is transferring with Procter & Gamble from the Mehoopany Paper Products plant to the St. Bernard Soap plant in Cincinnati. At Mehoopany, Laura had assignments as a production supervisor, industrial engineer, and area safety manager in the tissue module which manufactures Charmin and White Cloud. Her new assignment will be as a synthetic granular detergent packing supervisor.

Thomas Medrek is an electrical engineer at ADE Corp., Newton, Mass.

Alok Misra works as a system software engineer at Computer Controls Corp. in Wilmington, Mass.

Currently, **Jill Neal** is attending Carnegie-Mellon Graduate School of Industrial Management. In June, she completed GE's two-year Management Training Program.

Currently, **Charles Pallett** is working in Venezuela for the project management department of Exxon Research & Engineering Co.

Larry Parretti serves as an assistant project engineer at Perini Corp., Rockville, Md. He and Vicki live in Silver Spring.

Philip Scarrell works as a first line production supervisor at du Pont in Front Royal Va.

Andrew Tabak serves as a Redeye section leader for the U.S. Army in Ft. Riley, Kansas. He uses the Redeye heat-seeking man portable missiles to provide air defense coverage for a 54-tank battalion.

David Tate is employed as a senior software engineer at Sanders Associates in Nashua, N.H.

Presently, **Russell Thomas** is employed as a production engineer for the computer division of Hewlett-Packard, Cupertino, Calif. He is concerned with the HP 1000 AP automation processor. Russell received his degree in management after just three years at WPI. After graduation he worked for a small plastics company for six months. He then re-enrolled at WPI, this time taking courses in the electrical engineering program, finishing in 1980. He now has the equivalent of a double major, and he is enjoying his new post and life in the California area.

Bettina Tuttle recently completed a special development program for promising young engineers with GE. Called the Chemical-Metallurgical Technical (Chem-Met) Program, it is a two-year program in manufacturing management sponsored by the Engineered Materials Group, a group of five chemical and metallurgical businesses. Upon joining GE, Tina went into the Chem-Met Program which rotates participants through four six-month assignments at two different locations, exposing them to the technical and administrative aspects of manufacturing positions. Program members are outstanding chemical, mechanical, or metallurgical engineering graduates. Tina began as a process engineer and was later a facilities engineer with the Laminated and Insulated Materials Department in Coshocton, Ohio. Her third assignment was as a process engineer in the Plastics Operations in Pittsfield, Mass. Presently, she is supervising the start-up of an exchange process for a new plastic venture.

John Vestri, Jr. is a production control planner at Parker Hannifin Corp., East Brunswick, N.J.

Michael Walker is employed as assistant superintendent at Morse/Diesel, Inc., Boston.

Wes Wheeler continues with Exxon Research & Engineering in London for a two-year loan assignment. He is working in the project management department of Esso Engineering (Europe) Ltd.

1978

► *Married:* **James K. Boettcher** and Terese A. LaMoria on July 12, 1980 in Rutland, Massachusetts. Mrs. Boettcher attended Becker and Castleton State College. Her husband is a computer operator at Reed & Prince Manufacturing Co., Worcester.

John A. Brighenti and Kristen E. Johnson on November 1, 1980 in Wethersfield, Connecticut. Mrs. Brighenti graduated from Hartford College for Women. Recently, she received a degree in criminal justice from the University of New Haven. The groom works for Avon Plumbing and Heating.

Robert H. Caless to Sarah C. Connelly in Concord, Massachusetts on June 7, 1980. The bride graduated from the University of New Hampshire. The groom holds a master's degree in metallurgy from RPI. He is employed at Pratt & Whitney Aircraft, East Hartford, Conn.

John B. Cozzens and Mary Ann Desaulner in Webster, Massachusetts on August 16, 1980. Mrs. Cozzens, a pre-school educator, graduated from Quinsigamond Community College. Her husband is an electrical engineer. The couple resides in Glens Falls, N.Y.

Stephen LaPlante to Debora Henneberry on August 8, 1980 in Attleboro, Massachusetts. The bride attended Parson's School of Design in New York City. She is employed by Women's World Health Spa, Raynham. The bridegroom is with Vappi Construction Co. of Cambridge.

1979

► **Married:** **Tim F. Bamford** and Florinda M. Costa in Portsmouth, Rhode Island on August 23, 1980. Mrs. Bamford, who attended Southeastern Massachusetts University, is studying at Lowell University. The bridegroom is employed at Genrad Inc., Concord.

Charles R. Close to Karen A. Thibault in Somersct, Massachusetts. The bride graduated from Becker, and formerly worked at Raytheon in Portsmouth, R.I. The groom is with Alcoa Aluminum Co., Little Rock, Ark.

M. Beth Driscoll and Samuel M. Kinney III on October 4, 1980 in Georgetown, Connecticut. The bride now works at AT&T Long Lines in White Plains, N.Y. Her husband, an insurance broker, has a BA in English from the College of Wooster (Ohio) and is employed by Frank B. Hall & Co. in New York City.

Louis Frascotti to Rachela Tironi in Waterford, New York on October 11, 1980. Mrs. Frascotti, who is employed by Brooks Junior Fashions, Inc., graduated from Becker. The groom serves as a fire protection engineer with Kemper Insurance Co., North Quincy, Mass.

Thomas B. Girotti to Debra K. Solomon in South Boston, Massachusetts on August 23, 1980. Mrs. Girotti graduated from Smith-Deal-Massey Business College in Richmond, Va. The bridegroom is employed by the Virginia Electric and Power Co. in Norfolk.

Donald A. Larson and Miss Deborah A. Close in Rowayton, Connecticut on October 11, 1980. Mrs. Larson graduated from Becker. Her husband is employed as a sales representative by Data General.

Stephen J. Lefemine and Francyne D. Fiorillo in Shrewsbury, Massachusetts on May 11, 1980. The bride graduated from Clark and is a probation officer at Worcester Juvenile Court. The bridegroom is a sales-application engineer at Warren Pumps, Inc., Warren, Mass.

Mary Ellen Mazeika to William J. Blunt in Worcester on August 16, 1980. The bride serves as a regional planner with the Central Massachusetts Regional Planning Commission. The groom graduated from Holy Name Central Catholic High School. He is a machinist for Norton Co.

Daniel P. Paniccia to Dawn C. Smith on September 6, 1980. Mrs. Paniccia graduated from Berkley Secretarial School. She is with M.G. Wheeler Co., Greenwich. Her husband, after attending WPI, went to Columbia University.

David E. Szkutak and **Joan M. Bolduc** on August 30, 1980 in Waterville, Maine. The bride is an electrical engineer for Procter & Gamble in Cincinnati, Ohio, where her husband serves as a chemical engineer.

Paul N. Zeytoonian to Jane F. Connaughton in Waltham, Massachusetts on September 21, 1980. Mrs. Zeytoonian, a nurse in the critical care section of Waltham Hospital, graduated from St. Elizabeth's Hospital School of Nursing in Brighton. Presently, her husband

is attending the Graduate School of Engineering, Northeastern University. He is employed as a mechanical engineer with the Polaroid Corp.

► **Ronald Bauman**, who has an ms in management from WPI, works as a sales representative at Digital in Melville, N.Y.

Paul Bellagamba continues with Donald O. Anderson, a general contractor in Middletown, R.I.

Continuing with GE, **Stephen Caputo** is now a district sales manager in Minneapolis.

Clint Carpenter is a research assistant in the department of chemistry at the University of Wisconsin in Madison.

Timothy Casey is with Interstate Electronics Corp., Anaheim, Calif. He writes that Liz is enrolled in a phd program in hydrodynamics.

Garrett Chace holds the position of manager at Killingly Building Products, Dayville, Conn.

Ray Chase works as a management trainee at O.Z. Gedney, Terryville, Conn.

Chris Corpuz is in the MCRP program at Harvard.

George Dainis has completed his ms in chemical engineering work at MIT and he now works as a process engineer in the plating department at Texas Instruments, Inc., Attleboro, Mass.

Douglas DeSimone is now in the department of biological sciences at Dartmouth College, Hanover, N.H.

Raymond DiMuzio was recently promoted to polyvinyl emulsion supervisor at the Plainfield, N.J. plant of National Starch and Chemical Corporation. He joined the company in 1979 as a production engineer. He belongs to the American Institute of Chemical Engineers.

John Donahue works as a substation engineer at Niagara Mohawk in Syracuse, N.Y.

Louis Feula works as a technology engineer for the Monsanto Co. in Indian Orchard, Mass.

David Freni is a civil engineer with the Federal Aviation Administration, headquartered in Kansas City, Missouri. He says he has a "constant travel" status.

Michael Gallerani continues as a manufacturing engineer at GE in Providence, R.I.

Mark Galvin is a project engineer at Burton Tool & Die Co., Leominster, Mass.

John Grimwade holds the post of field engineer at Babcock & Wilcox in Chicago.

Suzanne Hess, who is employed by Exxon, was a panelist at the placement seminar held at WPI in November.

Kenneth Howard works for Innamorati Bro., Clinton, Mass.

David Johnson, formerly with Film Cooling Towers Ltd., England, is presently with Johnson Associates, Inc. in Bridgewater, Conn.

Lawrence Kurt is employed as an accountant at Robertshaw Controls, Milford, Conn.

Brien Laufer is now affiliated with the Shell Oil Co., Houston, Texas.

Stephen Lawry is a high energy laser physicist at the USAF/AF Weapons Lab., Kirtland AFB, Albuquerque, N.M.

James Mastalerz continues as a programmer-analyst at Coppus Engineering in Worcester.

Thomas McClure works as a lubricants and finish chemist at GE Medium Steam in Lynn, Mass.

Robert Parent serves as a software engineer at Tektronix in Oregon.

Stephen Rehn works as an electrical engineer at Panametrics in Waltham, Mass.

Philip Rubin is a process engineer at du Pont/Berg Electronics, New Cumberland, Pa. He has received his ms in materials from WPI.

Leonard Taylor is with Xanics & Co., Van Nuys, Calif.

Neil Volkmar works as manager of operations engineering at GE-DOE Neutron Devices in St. Petersburg, Fla.

Currently, **John Wheeler** serves as assistant to the president at Citrus County Land Bureau, Far Hills, N.J.

1980

► **Married:** **Eugene W. Balinski, Jr.** and Diane E. Martin in Worcester on June 14, 1980. Mrs. Balinski graduated from Salter Secretarial School and is a secretary for the Nashua, N.H. Fire Department. The groom is employed at Sanders Associates, Nashua. . . . **Gregg Belevick** and Sarah Brunell in October. The couple is living in Worcester. . . . **Richard L. Coleman** and **Kathryn L. Grider** on May 24, 1980 in Cumberland, Rhode Island. The bride is an associate engineer at GE in Pleasanton, Calif. Her husband serves as a computer scientist at Lawrence Livermore National Laboratory in Livermore.

Todd W. Cullen and Miss Kim M. Richardson in Marlboro, Massachusetts on June 21, 1980. Mrs. Cullen attended Westfield State College. She is a room reservationist at Sheraton Lincoln Inn. Her husband serves as assistant manager of Thom McAn, Worcester Center. . . . **Robert B. Cummings** and 2/Lt. **Candyce L. Hallock**, U.S. Air Force, in Worcester on October 18, 1980. The bride, who is stationed at Hanscom AFB, is a projects officer co-located at Mitre Corp., Burlington, Mass. The bridegroom serves as a project engineer at J.F. White Contracting Co. of Boston. . . . **Timothy S. Dean** to Nancy E. Hodgdon on July 28, 1980 in Portland, Maine. The bride is an alumna of the University of Southern Maine. Her husband is a plant design engineer at Bechtel Power Corp., Gaithersburg, Md.

Perry Esposito and Cynthia Stahley in New Preston, Connecticut on October 4, 1980. Mrs. Esposito graduated from Southern Connecticut State College in New Haven with a BS in elementary education. She taught at the Family Resource Center in New Milford. The bridegroom has accepted a post at Bailey Controls in Denver, Colorado. . . . **Jill E. Fabricant** and **Glenn A. Corwin**, '81, on June 15, 1980. The bride has been named programmer-analyst at Digital in Maynard, Mass. She is also taking evening graduate courses at WPI. Her husband is a computer science student at WPI. . . . **Paul A. Ferrara** and **Diane M. Santaniello**, '79, on October 12, 1980 in Johnston, Rhode Island. Mrs. Ferrara is with State Mutual Life Assurance Company. Her husband works for the Small Business Service Bureau in Worcester.

Gary E. Graf to Cheryl A. Sarofcen in North Brookfield, Massachusetts on June 14, 1980. The bride graduated from North Brookfield High School. The bridegroom is an electrical engineer at Sanders Associates, Nashua, N.H. . . . **Stephen J. LaFlamme** and **Barbara A. Morin** in New Hampshire on July 25, 1980. The bride, an employee of New Hampshire Insurance Co., graduated from Manchester Central High School. The bridegroom was temporarily employed by the Veteran's Administration Hospital Engineering Department. He is now working for his master's degree in nuclear engineering at Ohio State University. . . . **Allen L. Legendre, Jr.** and **Diane M. Ritchie** on June 20, 1980 in West Boylston, Massachusetts. Mrs. Legendre graduated from St. Peter-Marian Central Catholic High School, Worcester. She was manager of the Gold Star Boulevard Branch of Home Federal Savings & Loan Association. Her husband has his master's degree in management from WPI. He has joined Florida Power Corp., St. Petersburg, Fla.

Arthur B. O'Leary III and **Eileen R. Ford** on October 11, 1980 in Cornwall Bridge, Connecticut. Mrs. O'Leary graduated from Bay Path Junior College with an AS degree in business administration. She is a money market investment technician for Aetna Insurance Co., Hartford. The bridegroom is with Artisan Industries, Inc., Waltham, Mass. . . . **Thomas C. Stange** to Cynthia M. Noel in Athol, Massachusetts on September 1, 1980. Mrs. Stange graduated from Hahnemann Hospital School of Nursing, Worcester. She is a registered nurse at Memorial Hospital.

► **Bom:** to Mr. and Mrs. **Mark Lewis** a son, **Stephen John**, on August 1, 1980. Lewis is employed by Caltrans and is located in Eureka, Calif. He writes: "My dog, Bart, is also in California. He grew up on the WPI campus."

► **Michael Aghajanian** has been named as a systems specialist at GE, Fitchburg, Mass. . . . **Dennis Allard** works as a structural engineer at Technical Aid Corp. in Waltham, Mass. . . . **Mark Andrews** is an applications chemist at Waters Associates in Milford, Mass. . . . **Craig Autio** is associate engineer at Avco-Systems Division, Wilmington, Mass. . . . **Amos Barnes IV** is studying for his MSCE under an NSF grant at WPI.

Joseph Barone works as a rotating engineer at GE Ordnance Systems in Pittsfield, Mass. . . . **Hildegard Benneck** is now a member of the technical staff at Bell Telephone Labs, Holmdel, N.J. . . . **Robert Berlo** holds the post of sales engineer at Hinds & Coon Co., South Boston, Mass. . . . **Mark Beschle** has joined GTE Sylvania.

. . . . **Brian Biernacki** is employed as a junior field engineer in the training department at Dresser Atlas in Houston, Texas.

David Bowers has been employed by the corporate safety department at Air Products and Chemicals, Allentown, Pa. . . . **Todd Brennan** is with Ciba-Geigy Corp. in Cranston, R.I. . . . **Keith Brown** is an environmental engineer at Cullinan Engineering, Auburn, Mass. . . . **Salvatore Bruno** has joined Union Carbide as a plant electrical engineer in Red Oak, Iowa. . . . **Jeffrey Carter** works as a manufacturing program engineer at Xerox Corporation, Webster, N.Y.

Mike Chew works for Bendix Corp., Kansas City, Missouri. . . . **Donald Connor** is a graduate student in biobehavioral studies at UConn. . . . **Stephen Courville** is with GTE Sylvania, Needham, Mass. . . . **Dave Craigue** and **William Emmet** won second prize in The Lincoln Arc Welding Foundation competition for the hydraulic tomato-planting machine which they designed and built as a WPI project. Emmet is now at Cornell University in a two-year MS program in agricultural engineering. . . . **Charles Crowley** has been named a staff engineer at Poly Cast Technology Corporation, Stamford, Conn.

Judith D'Agostino serves as a process engineer at Monsanto Plastics & Resins in Springfield, Mass. . . . **Duane Delfosse** is now program engineer for GE in San Jose, Calif. . . . **Joseph DeMauro** serves as district manager of performance control at New England Telephone in Boston. He and his wife, Theresa, reside in Framingham. . . .

Jeffrey Deutsch is a graduate student in the electronics research laboratory at the University of California, Berkeley. . . . **Richard DiMascio** works for GTE Sylvania in Needham, Mass. . . . **Paul Diotalevi** has been hired as a management trainee at New England Telephone in Framingham, Mass. . . . **Paul Doherty** is now a process engineer at Pfizer, Inc., Chemicals Division, Groton, Conn. . . .

Robert Dreyfoos serves as a design engineer at Photo Electronics Corp., West Palm Beach, Fla. . . . **Margaret Dumont** has joined Digital Equipment Corp. in Nashua, N.H. . . . **Hebert Dunnington III** is a field engineer at Schumberger in New Orleans, La.

Thomas Egan works for Beringer Co., Marblehead, Mass. . . . **Tom Fawcett** has become a member of the technical staff at Mitre Corp., Bedford, Mass. . . . **Peter Folta** is an assistant rate engineer at New England Gas & Electric, Cambridge, Mass. . . . **Richard Forand** serves as an assistant engineer at Industrial Risk Insurers in Charlotte, N.C. . . . **Carl Gates, Jr.** works as a sales representative at du Pont in Clifton, N.J.

Thomas Gellrich works for Exxon Chemical Co., Florham Park, N.J. . . . **Jack Gregory** has joined Digital in Maynard, Mass.

. . . . **Djelloul Haouari** is with Sonelec in Algeria. . . . Data General, Southboro, Mass., has named **Scott Harvey** as a manufacturing engineer. . . . **Jeffrey Hebert** has been named shift technical adviser at Yankee Atomic Electric, Rowe, Mass. . . . **Claudia Huehner** is with Boston Edison Co. in the Prudential Center, Boston. While at WPI, she co-designed a removal tool for a surveillance capsule in an atomic core. . . . **Steve Kahn** continues at Bettis Labs in West Mifflin, Pa.

Kevin Keena is now a mechanical engineer at Digital in Marlboro, Mass. . . .

Peter Kelleher serves as an associate engineer-nuclear power engineering trainee at the Westinghouse Electric Naval Reactors Facility in Idaho Falls, Idaho. . . . **Robert Kennedy** is a sales engineer for Westinghouse Power Systems, Framingham, Mass. . . . **Christopher Kintz** has joined General Dynamics-Electric Boat in Groton, Conn. . . . **David Konieczny** has joined Bechtel Power Corp., Gaithersburg, Md.

Anne-Marie Kruglewicz is employed at du Pont's Marshall Laboratory in Philadelphia.

. . . . **John Letourneau** serves as a member of the technical staff at Bell Labs., Piscataway, N.J. . . . **Gareth Kucinkas** is now a field engineer at Schlumberger Well Services in New Iberia, La. . . . **Kevin Loftus** has been named a process engineer at Chemapee, Inc., Woodbury, N.Y. . . . **Michael J. Lombardi** holds the post of contract engineer at Bechtel Power Corp., San Francisco, Calif.

Michael R. Lombardi has been employed as a support engineer at Stone & Webster, Boston. . . . **Raymond Lucchetti, Jr.** is now a systems support engineer at Bunker Ramo Corp., Trumbull, Conn. . . . **Thomas Lucey** works as a production engineer for Systems Intergration Engineering at Data General in Southboro, Mass. . . . Stone & Webster, Cherry Hill, N.J., employs **Raymond Lum** as a career development engineer.

. . . . **Deborah Luper** has joined Western Electric, Allentown, Pa.

Kevin Lynch is a member of the Rocketdyne Division of Rockwell International in Canoga Park, Calif. . . . **Brian Mahoney** is on the technical staff at Mitre Corp., Bedford, Mass. . . . **Carlos Maltos** is a customer assistant contact in the treasury department at Citibank in Mexico City. . . . **Paul Mandeville** serves as a project engineer at Naval Ordnance, Indian Head, Md. . . . **Kenneth Mandile** is a design engineer at GTE Sylvania, Strategic Systems Division, Lithium Battery Group, Waltham, Mass. . . . **William Mangano, Jr.** has been employed as a survey statistician by the U.S. Census Bureau, Dept. of Commerce, in Suitland, Md. . . . **John Manning, Jr.** is working for his MS in environmental health engineering at Notre Dame, where he is with the department of civil engineering.

Mario Marcaccio is an environmental engineer at Camp Dresser & McKee, Boston.

Ralph Marrone has joined Hewlett-Packard, Lexington, Mass. as a systems engineer. . . . **Pratt & Whitney Aircraft Group**, East Hartford, Conn., has named **Ronald Marshall** as a program analyst.

Gilbert Martin, Jr. has accepted a post as nuclear plant engineer trainee with Westinghouse-Bettis Atomic Power Laboratory in Idaho Falls, Idaho. . . . **Robert Martinek** is employed as a design engineer at Raytheon in Sudbury, Mass. . . . **Anthony Masullo** was named a process engineer at Pfizer, Inc., Groton, Conn.

Joseph Mayall is a field service engineer at Babcock & Wilcox. . . . **John Mazeika** is a service engineer, level I, at Combustion Engineering in Windsor, Conn. . . . **Thomas McBride** has joined Dresser Industries, Atlas Division, in Alice, Texas. . . . **2/Lt. H. Peter McClain**, who attended the U.S. Army Ordnance School at Aberdeen Proving Grounds in Maryland, was recently assigned to the Army Missile & Munitions Center, Redstone Arsenal, Alabama. . . . **Darlene McCormick** is with the Westinghouse Oceanic Division in Annapolis, Md. . . . **Cathleen McDermott** is now an engineering assistant for the County of Los Angeles Road Department, Los Angeles, Calif.

Linda McInnis works as a technical writer at Ampex Corporation, Redwood City, Calif.

Maryellen McLaughlin accepted a position as electronics engineer at Charles Stark Draper Laboratory in Cambridge, Mass.

Joan McNamara was named as a process development engineer at Monsanto in Indian Orchard, Mass. . . . **John McNeff II** has been hired by Procter & Gamble, Quincy, Mass., as a production engineer. . . .

Brian McQuillan serves as a human factors-system safety engineer at GTE Sylvia in Needham Heights, Mass. . . . **Scott Mease** is now a field systems engineer for Daniels Construction Co. . . . **Paula Mesite** is with Enseco, Inc., Springfield, Va. At night, she attends the master's program in electrical engineering at George Washington University.

Fred Mirabelle, Jr. is employed as a design engineer at Harris Corp., Westerly, R.I.

Michael Mitchell works as a manufacturing engineer at Texas Instruments in Attleboro, Mass. . . . **Serge Molinari** is a field service engineer at du Pont in LaPlace, La. . . . Presently, **Patricia Monterio** serves as an assistant process engineer at Fluor Engineers & Constructors, Irvine, Calif.

Rosemary Murphy holds the post of process development engineer for Critical Fluid Systems, Inc. (A.D. Little Labs) in Cambridge, Mass.

William Murtha was named as a manufacturing management trainee at GE. . . .

John Neilon attends grad school at the University of Miami. . . . **John Noonan** works as a civil engineering assistant for LA County Flood Control, Los Angeles, Calif.

Paul Normand has been employed by the Hamilton Standard Division of United Technologies, Windsor Locks, Conn. . . .

Colleen O'Connor is an information systems designer at Western Electric in North Andover, Mass. . . . **Thaddeus J. Okolo, Jr.** has been named a design engineer at Sikorsky Aircraft in Stratford, Conn.

David Olds has accepted the post of design engineer at the GE Direct Energy Conversion Center in Wilmington, Mass. . . .

Mark O'Neil works as an assembly planner at Intel in Santa Clara, Calif. . . .

Elaine O'Neill is now with Clairrol in Stamford, Conn. . . . **Robert Oriol** is employed by the Small Business Service Bureau in Worcester. . . . **Ronald Ouellet** is with Texas Instruments in Dallas.

David Paciorkowski serves as a communications-electronics engineer for the U.S.A.F. at Keesler AFB, Miss. . . . **Louis Palecki** was named as associate advance engineer at Honeywell's Electro-Optics Center in Lexington, Mass. He is a member of the Worcester Art Museum. . . . **Michael Parulis** is employed as an associate engineer at General Dynamics-Electric Boat, Groton, Conn.

Robert Pearson is now a process engineer at Pfizer, Inc. in Groton, Conn. . . .

Bjorn Pedersen holds the post of manager of experimental engineering at Varian/Extrion in Gloucester, Mass. He has an ms in management from WPI. . . . **William Perkins** is with ARRADCOM in Dover, N.J. . . .

Honeywell Electro Optics Center, Lexington, Mass., has employed **John Pierro** as an associate development engineer. . . . **Paul Pictal** works as a statistician for the Bureau of the Census in Suitland, Md.

Currently, **John Pobuk** serves as a Peace Corps volunteer in Micronesia, where he is a water systems adviser. . . . **John Podlenski** has joined kvb in New York City.

Thomas Polito works as a graduate research assistant at WPI's Alden Labs.

Richard Preliasco is employed as an associate engineer at Lockheed Missiles & Space Co., Sunnyvale, Calif. . . . **Mary Puzemis** holds the post of chemist at Environmental Waste Removal, Waterbury, Conn. . . .

David Quaranta is with the ME department at WPI. . . . **James Racca** is now an associate engineer at B.F. Goodrich Chemical Division in Independence, Ohio.

Sanders Associates, Nashua, N.H. has named **Michael Ramadei** as a design engineer I. . . . **Clifford Read** works as a product support engineer at Foxboro Company.

Cathy Reed holds the position of project engineer at Badger America in Cambridge, Mass. . . . **Craig Reed** is with du Pont at the Savannah River plant in Aiken, S.C.

David Reeves has accepted the post of product development engineer at American Hoechst Corporation in Leominster, Mass.

Cathryn Ricci serves as a process engineer at Berg Electronics, a division of du Pont in New Cumberland, Pa.

Charles Richards IV has joined Harris Corporation, Rochester, N.Y. . . . **Ronald Richter** is with Analytical Systems Engineering Corporation. . . . **Mark Riley** is a teaching assistant at Thayer School of Engineering, Dartmouth College. . . . **Steven Robbins** has been named as a system analyst at Sanders Associates, Inc., Nashua, N.H.

Norman Robinson, Jr. was employed as associate advanced manufacturing engineer at Xerox Corp., Henrietta, N.Y.

John Roche works for Micro Networks, Worcester, in the manufacturing engineering department. . . . **Jeffrey Rosen** has joined Stone & Webster in St. Francesville, La.

Richard Rotelli, Jr. holds the post of structural engineer at Jordan, Apostol, Ritter Associates, Inc., in Davisville, R.I. . . . **Elizabeth Roth** is a student at Hahnemann Medical College, Philadelphia.

Charles Rothauer who holds an mscs from WPI, works as a project analyst at United Technologies Research Center, East Hartford, Conn. He is a member of the Association of Computing Machinery. . . . **Martin Rowe** has joined Analog Devices, Inc., Norwood, Mass. . . . **Lee Sacks** is with ComputerVision in Bedford, Mass. . . . **Thomas Sardella** accepted a post as electronics engineer with NASA at Goddard Space Flight Center, Greenbelt, Md.

Doreen Sa Vieira is working in applied research at Western Electric Co., North Andover, Mass. . . .

Gary Sawicki serves as a manufacturing engineer at Texas Instruments, Attleboro, Mass. . . . **Kenneth Sawyer** has joined Pratt & Whitney Aircraft, East Hartford, Conn., where he is employed as an analytical engineer. . . . **Angelo Scangas** is a process engineer with National Starch and Chemical Corp., Plainfield, N.J.

David Schab works for Hughes Aircraft in Greenfield, Mass. . . . **Peter Schoonmaker** is a junior engineer at Northern Research & Engineering Corp., Woburn, Mass. . . .

During the summer, **Sharon Schulze** worked for the Upper Blackstone Water Pollution Abatement District in Millbury, Mass. She is a teaching assistant at WPI. . . . **Craig Sherman** is employed at Thermo Electron Corp., Waltham, Mass. He has an ms from WPI.

Michael Slattery is a technical staff member in the Hughes Aircraft Ground Systems Group, Fullerton, Calif. . . . **Charles Smith** is concerned with installation engineering at Western Electric in North Andover, Mass. . . . **Chartsiri Sophonpanich** is a graduate student in chemical engineering at MIT. . . . **Richard Stephens** has accepted a post as a sales engineer at Dana Industrial. The firm is located in Warren, Mich.

James Stonier works for Honeywell Information Systems of Billerica, Mass. . . .

Charles Sullivan III attends the University of Rhode Island, where he is studying for his MBA in finance. . . . **James Sweeney III** is an Edison engineer at GE in Schenectady, N.Y.

... Keith Sylvestre is with Northeast Utilities, Norwalk, Conn. . . . Edward Szkutak, Jr. has been named a manufacturing engineer at Westinghouse. . . . Steve Tarantino holds the post of process engineer at du Pont in Belle, West Virginia. . . . Pamela Thomas has been employed as a manufacturing engineer at Communications Corp., Newport Beach, Calif.

Mark Tino was hired as a staff consultant in the Administrative Services Division at Arthur Andersen & Co., Boston. . . . John Titus is a graduate student at WPI. . . . James Torrey, Jr. has joined Arthur Andersen & Co., Hartford, Conn., where he is a staff member. . . . Gary Traverso has been named as a research engineer at du Pont's Savannah River Plant, Aiken, S.C. . . . Gerald Twomey is with LTX Corporation, Newton Highlands, Mass.

Edward Tyburski is a design engineer at Harris/Radio Frequency Communications Division, Rochester, N.Y. . . . Robert Vozzola, who has been with Redington Counters in Windsor, Conn., is slated to be stationed as an Air Force pilot and 2/Lt. at Columbus AFB in Mississippi in March. . . . Chuong Le Vu is a member of the advanced engineering program at Honeywell Information Systems, Billerica, Mass. . . . Bruce Webster works as a manufacturing engineer at Parker Manufacturing in Worcester. . . . David Weiss was named a manufacturing engineer at Eastman Kodak.

Richard Welch holds the position of quality control engineer at UNC Resources, Inc., Uncasville, Conn. . . . Recently, Peter Westcott joined RCA Automated Systems Division, Burlington, Mass. . . . James Wilbur works as a technical representative at Kemper Insurance Company, North Quincy, Mass. . . . John Wilbur is a manufacturing engineer with GE in Lynn, Mass. . . . David Wilson has joined CTE Sylvania, Needham, Mass.

William Woishnis is employed as a plastics process engineer at Hewlett-Packard Co., Palo Alto, Calif. . . . Rosemary Wojtowicz is a graduate student at MIT. . . . Robert Woodard works as an engineering field representative at Industrial Risk Insurers in Philadelphia. . . . Eric Worthington serves as a programmer at Enseo, Inc., Springfield, Va.

Pamela Wright is a lab technician in the life sciences department at WPI. . . . Ho Ling Yee is with CCA Corp. (Technology Division) in Bedford, Mass. . . . Scott Yeomans has been named an actuarial trainee at Travelers Insurance Company, Hartford, Conn. . . . H. Michael Yevak, Jr. has been named a component buyer in the GE manufacturing management program at Pittsfield, Mass.

Melissa Young has been employed by Teledyne Engineering Services, Inc., Waltham, Mass. . . . Robert Yule is with du Pont in Belle, West Virginia. . . . John Zagorski is studying for his doctorate in biochemistry at Texas Tech in Lubbock, Texas. He received an assistant professorship for the fall term. . . . John Zelz, Jr. is a staff engineer at Hewlett-Packard, Fairport, N.Y.

SCHOOL OF INDUSTRIAL MANAGEMENT

Harold White, '55, has been appointed vice president and general manager of Norton's Coated Abrasive Division in the United States. Previously, he was vice president and general manager of the company's Organic Grinding Wheel Division, and was also responsible for Norton's abrasives business in Canada. Prior to his appointment to that post in 1979, he served in England as vice president of abrasive operations in Northern Europe.

Nicholas Moffa, '56, was recently elected chairman of the board of the Grinding Wheel Institute. The GWI is an association of U.S. manufacturers of grinding wheels with headquarters in Cleveland. Previously, Moffa served as the Institute's vice president in 1975 and 1976 and was elected its president in 1977. He also became president of Bay State Abrasives, Westboro, Mass. in 1977. In the role of chief executive at Bay State, he also directs the affairs of Anderson Operations, an industrial brush manufacturer in Worcester and Felker Operations in Torrance, Conn. Felker produces diamond saw blades and a range of machines for cutting concrete, masonry, and tile. Moffa graduated from Northeastern and Harvard Business School's advanced management program, as well as WPI's School of Industrial Management.

Alfred Kastberg, '61, has retired as executive vice president of Henry L. Hanson, Inc., Worcester, and is living in Hopkinton, N.H.

John O'Malley, '62 was recently promoted to director of fiscal services at Holden (Mass.) District Hospital. He is responsible for all financial cash management, accounting, billing functions and data processing. He has been with the hospital since 1966. He was presented with the 1980 Founder's Award of the Massachusetts Chapter of the Hospital Financial Management Association. The award is given for outstanding service in chapter activities. A director of the organization, O'Malley is also chairman of its membership committee, and serves on the Founder's Awards Committee. He holds the post of chairman of the Central Massachusetts Financial Council. He is a member of the Massachusetts Hospital Association's Standing Committee on Finance, where he is the only representative of a hospital having less than a 100-bed capacity. An MBA recipient from Anna Maria College, O'Malley currently teaches in the MBA program there. He also teaches financial management in an undergraduate program at Worcester State College.

John Porrazzo, '63, serves as manager of engineering at Arrow Automotive Corporation in Hudson, Mass.

Stephen McCabe, '64, holds the post of director of operations at Armatron International, Melrose, Mass.

George Sonntag, '68, is employed at Cincinnati Milaeron-Heald in Worcester.

John J. Shields, '69, married Judith A. Morse in Hudson, New Hampshire on September 21, 1980. The bride, a sales representative for Digital Corporation, graduated from Vermont College. Her husband graduated from the School of Industrial Management at WPI and from Harvard School of Business Administration. He is vice president of Digital Corporation, Maynard, Mass.

Joseph Flynn, '70, serves as sales supervisor at Norton Co., Worcester.

Edward Dykstra, '73, is director of technical services and EDP planning at Warner-Lambert Co. in Morris Plains, N.J.

Kenneth Paradis, '75, is manager of labor relations at Monsanto Enviro-Chemical Co., St. Louis, Missouri.

James Dineen, '78, is the controller and chief financial officer at Fitchburg Coated Products in Scranton, Pa.

John Ellison, Jr., '78, has been named a vice president at Galileo Electro-Optics Corporation, Sturbridge, Mass. The vice president and general manager of Fused Products and Power Supplies, he will continue to be responsible for the entire fused fiber optic product line, including all military and commercial face-plates, inverters, magnifiers, and image conduits. His prior experience includes the position of general manager for the Fiber Optics Division of American Optical Company and sales engineer for Connecticut Light and Power. He holds a BS in industrial administration from the University of Connecticut.

Milton Steen, '79, has been named local manager of the Attleboro office of Massachusetts Electric Co. He heads the newly created southeast district, which is a consolidation of the company's Attleboro, Hopedale, and Marlboro districts. Prior to his new post, Steen was manager of the company's Marlboro district, where he supervised electric operations and customer service. After two years in the Army, he joined Mass. Electric in 1961 as a student trainee. In 1962, he became a residential sales promotion representative in the Worcester office, and in 1964, district sales manager in the Weymouth district. Following a series of promotions, in 1975, he was named assistant director of consumer services for New England Electric, the parent company of Mass. Electric. Steen is vice president of the United Fund of Westboro, as well as vice president of the local Chamber of Commerce and Rotary Club.

Neil Collins, '80, is now production administrator and project engineer at Davern & Associates in Syracuse, N.Y. For the past two years he was chairman of the Worcester County Section of IEEE.

Alan Fontaine, '80, has been named general foreman of packaging, sani safe, and connoisseur departments at Russell Harrington Cutlery, Inc., Southbridge, Mass. He started at Russell Harrington in 1973 as a service man. He was promoted to management responsibilities, first as an assistant supervisor in 1975, then as supervisor in 1978.



Franklin C. Green, '06, died on March 20, 1980 in Portland, Oregon at the age of 94.

He was born on May 24, 1885 in Maui, Hawaii. In 1906, he received his BSEE from WPI. Two years later he earned his professional degree in electrical engineering. He was a retired high school teacher.

Leon H. Rice, '13, of Manchester, New Hampshire passed away in August.

A Manchester native, he was born on Oct. 28, 1890. While still at WPI, he joined Leighton Machine Co., Manchester, and remained with the firm until his retirement as treasurer 54 years later. In 1913, he graduated as a mechanical engineer.

Mr. Rice was a past president of the New Hampshire Manufacturers Association and past chairman of the State and City Industrial Councils. He also belonged to the Masons (32nd degree), and served as a trustee of the YMCA and the Methodist Church. His son, Leon, graduated from WPI in 1943.

Malcolm D. Campbell, '14, of Leesburg, Florida passed away on January 31, 1980.

A native of Reading, Mass., he was born on April 14, 1891. After studying at WPI, he later graduated from Massachusetts Agricultural College. In 1932 he received his MEd from Boston Teachers College.

From 1918 to 1923 he was employed at Norfolk County Agricultural School, and from 1923 to 1956, he was with Dorchester High School, Boston. He retired in 1956 to travel around the world.

Mr. Campbell was a former president of both the New England Biological Association and the National Association of Biology Teachers. A past president of the Lawn Bowling Club of Milton, he was also a former president of the Town Club of Milton. He had been a Mason and a deputy of the Boy Scouts. Just prior to his death, he conducted a class of 27 in life history writing at the Hawthorne retirement community in Leesburg.

Ray C. Crouch, '14, of Dallas, Texas died on July 12, 1980.

In 1914 he graduated from WPI as a mechanical engineer. During his career, he was with Riter Conley, A.G. Reeves Construction Co., and Buffalo Tank, a division of Bethlehem Steel. He retired as works manager and sales manager from Buffalo Tank in 1958.

Mr. Crouch, who was born on June 12, 1890 in Thomaston, Conn., was a past member of the ASME, the American Welding Society, American Metals Society, and the National Safety Council. He had served as director of the Sewickley, Pa. YMCA, as church vestryman, and as a sector warden for Civil Defense during World War II. He was a former officer in the Northern New Jersey Chapter and Western New York Chapter of the Alumni Association.

Earl C. Hughes, '14, WPI trustee emeritus, died at his home in Jupiter, Florida on November 15, 1980.

Before retiring in 1959, Mr. Hughes was president and chairman of the board of Bay State Abrasives in Westboro, Mass. He joined Bay State in 1936, after serving as assistant sales manager of the Grinding Wheel Division at Norton Co. He was director of the L.S. Starratt Co., Athol; Warren Pumps, Inc., Warren; and the Associated Industries of Massachusetts. He held the post of president and chairman of the Grinding Wheel Institute.

A native of Worcester, he was born on Sept. 30, 1892. In 1914, he received his BSCE from WPI. He was awarded an honorary doctor of engineering degree in 1963.

Mr. Hughes, a member of Phi Gamma Delta, also belonged to the Worcester Art Museum, Newcomen Society, Massachusetts (and Worcester) Horticultural Society, four country clubs, the Worcester Committee on Foreign Relations, Worcester Economic Club, Worcester Natural History Society, the Masons, and the Worcester County Music Association. He was a trustee of Hahnemann Hospital and the Worcester County Hearing and Speech Center. For many years, he was a vestryman at All Saints Episcopal Church.

In 1917, during World War I, Mr. Hughes was commissioned a first lieutenant at officer's training camp in Plattsburgh, N.Y. Later, he was assigned to the Infantry, before being transferred to the Air Service. After spending three months at the MIT School of Military Aeronautics, he was assigned to the Aviation Military Repair Depot in Dallas, Texas. He was commanding officer of the 877th Aero Squadron before being discharged as a captain in 1919.

Besides being a life member of the WPI board of trustees, Mr. Hughes served WPI in many other capacities. He was, for example, chairman of Techni-Forum in 1955 and 1956; a representative on the Alumni Council from 1953 to 1955; and a member of the President's Advisory Council. Before retiring to Florida, he donated his home at 15 Regent St. to WPI, the residence now being the permanent home of the vice president and dean of the faculty. In 1975, he received the Herbert F. Taylor Award from the Alumni Association.

Earle E. Andrews, '15, a retired attorney, died in Rochester, New Hampshire on September 7, 1980 at the age of 91.

He was born on July 2, 1889 in Bingham, Me., and later became a member of the Class of 1915. He graduated from Boston University Law School in 1916. In 1917 he enlisted in the Army and continued in the active reserves, retiring as a captain in the Quartermaster Corps in 1942.

He was employed as a compensation trial attorney for the Lumberman's Mutual Casualty Co. of Boston until he retired in 1954. Then he was associated with the law firm of Horovitz and Horovitz, Boston, retiring in 1978.

A senior member of the Oklahoma Bar Association, he was a past member of the American Bar, the Middlesex Bar and the Massachusetts Bar Associations. He was an active member of the Masons. He belonged to ATO, the Doll Collectors of America, the Rushlight Club, the Massachusetts Society of Mayflower Descendants, and the Congregational Church. He served as a past chairman of the Winchester, Mass. Finance Committee. For several years, he was chairman of the Winchester Board of Public Welfare.

Raymond P. Lansing, '15, an internationally known inventor and a retired vice president of the Bendix Aviation Corp., died in Old Lyme, Connecticut on October 17, 1980. He was 86.

In 1951, Mr. Lansing was awarded an honorary doctor of science degree from WPI. At the time, he was vice president and director of Bendix Aviation. During his many years with the company, he contributed to the design of accessory devices upon which the efficient and safe operation of aircraft depends. In recognition of his efforts in World War II, he was one of 60 leaders of the aviation industry to receive a presidential award of merit and was especially cited for pioneer work in the field of aircraft instrument and accessory production.

After fifty years' association with the aviation industry, Mr. Lansing retired in 1965. He obtained 150 patents for aviation devices. One patent was for the first direct cranking aircraft engine starter which he developed for the World War I Liberty engine.

He joined Bendix in 1916 as an engineer for the Bijur Motor Appliance Co., and continued with the firm when it was acquired by the Bendix Eclipse Aviation Company. In 1929, he became vice president at Eclipse. He served as a group executive over the eastern divisions of Bendix, and was elected a director in 1945.

Mr. Lansing was an associate fellow of the American Institute of Aeronautics and Astronautics and a member of the Society of Automotive Engineers, American Ordnance Association, American Rocket Society, Bergen County Chamber of Commerce, New Jersey State Chamber of Commerce, and the Montclair Chapter of the Sons of the American Revolution. An advisor to Fairleigh Dickinson University, he was also a retired lieutenant commander in the U.S. Naval Reserve. He was born on Dec. 26, 1893 in Brooklyn, N.Y. In 1915, he graduated as a mechanical engineer from WPI. Formerly, he served as vice president of the Northern New Jersey chapter of the Alumni Association, and as a member of the President's Advisory Council. He held an honorary LL.D. from Fairleigh Dickinson.

Harold Nutt, '16, died in Fort Lauderdale, Florida on October 23, 1980, the day following the death of his wife, Margaret.

He graduated as a mechanical engineer from WPI in 1916. During his career, he was with B.F. Sturtevant Co., Fairbanks Morse, Premier Motor Co., and Durant Motors. From 1930 until he retired in 1962, he was vice president of engineering, then president, general manager, and chief executive officer of the Borg & Beck Division of Borg Warner Corp., Chicago.

Mr. Nutt belonged to Tau Beta Pi, Sigma Xi, and the Society of Automotive Engineers, which he formerly served as chairman of the Chicago section. In 1954, he was named vice president of passenger car engineering by the Society. A member of the Coral Ridge Yacht Club of Fort Lauderdale, he was also a former member of the South Shore Country Club, Chicago.

He was born in New Rochelle, N.Y. on Dec. 3, 1893. His brother, **Arthur Nutt**, also graduated from WPI in 1916.

Frederick W. Bauder, '20, professor emeritus of chemistry at Newark College of Engineering, passed away at Overlook Hospital in Summit, New Jersey on August 24, 1980. He was 83 years old.

For the past 12 years, Dr. Bauder was a consultant in industrial waste control for the joint meeting of Essex and Union Counties, a regional sewer system. He was a professor of chemistry at Newark College of Technology (New Jersey Institute of Technology) for 27 years. In 1945 he received his MS from Stevens Institute of Technology followed by a doctorate from Columbia University.

He belonged to Phi Sigma Kappa and Omicron Delta Kappa fraternities. A registered engineer, Dr. Bauder was a member of the American Society of Engineering. Also, he was a certified chemist and a fellow of the American Institute of Chemists the the American Chemists Society. He was a Navy veteran of World War I. A native of Newark, N.J., he was born on July 24, 1897.

Wilfred H. Howe, '22, retired chief engineer of the Foxboro Co., died on October 30, 1980 in Attleboro, Mass. He was 78.

From 1969 to 1975, he was a selectman in Sharon, Mass., and served on various town committees. He was chairman of the Harvard Business School Alumni Association, past president of the Sharon Rotary Club, and a Mason.

After graduating from WPI as an electrical engineer in 1922 and receiving his MBA from Harvard, Mr. Howe joined GE for two years. Later, he was employed by Alden Mfg. Co., Atlantic Precision Instrument Co., and Foxboro Co. He belonged to IEEE (fellow), ISA, the ASME, Phi Gamma Delta, Sigma Xi, and the Congregational Church. A Worcester native, he was born on March 13, 1902.

Stanley M. Townsend, '22, of Pleasant Hill, Tennessee passed away on August 31, 1980.

He was born on July 15, 1899 in Worcester. A member of the Class of 1922, he retired from Michigan Bell Telephone Company in 1961. Prior to his retirement, he was a partner in Jensen-Townsend Printing Co., from which he retired in 1977.

Mr. Townsend was a Past Master of the Masons and a past Noble Grand of the IOOF. He was a founder of the Museum of Arts & History, a member of the Salvation Army Advisory Board, and a chairman of the Board of the Visiting Nurses Association. He 1956 he was elected supervisor of Fort Gratiot Township.

W. Roy Carrick, '23, founder and president of the Carrick Agency of Worcester, Northbridge, and Hopedale, died at his home in East Douglas, Massachusetts on August 26, 1980. He was 78.

He had been in the insurance business for over fifty years, and was a former general agent of the Aetna Life Insurance Company of Worcester, a charter life underwriter, and a life member of the Million Dollar Round Table.

Mr. Carrick, a Worcester native, was born on December 8, 1901. He was a former director of the Old Colony Bank of Worcester County, and a member of the Masons, the Shrine, the Worcester Club, and the Congregational Church. He was a member of the Class of 1923, and belonged to Phi Gamma Delta.

Edwin M. Bailey, '25, a former member of the President's Advisory Council at WPI, died at his home in Amesbury, Massachusetts on September 10, 1980 following a brief illness.

At one time a Bailey Co. vice president, Mr. Bailey was also past chairman of the Amesbury BPW. He was born in Amesbury on April 27, 1902, and was a member of the Class of 1925.

He was employed by the Bailey Co. in Amesbury for 27 years, becoming vice president, treasurer, and secretary prior to retirement. Previously, he was with the Massachusetts Department of Public Works for 15 years. In World War II he was a civil engineer for the U.S. Navy in Kittery, Me., Melbourne, Fla., and Hitchcock, Texas. Also, he was an engineer for the Army along the New England coast.

Mr. Bailey was elected to the Amesbury Board of Sewer and Water Commissioners, and the Board of Public Works, which he served as chairman for seven years. He was active in the Masons and the Shrine, as well as the U.S. Power Squadron, in which he held the rank of navigator. A past commander of the Merrimack River Power Squadron, he was also a former commander of District 18 for squadrons in Essex County.

For the past 15 years, he and his wife traveled extensively. They had been around the world three times, and had visited all the European countries except two.

Vincent J. Goodwin, '25, former superintendent at Leland-Gifford, Worcester, died at Hahnemann Hospital on September 19, 1980. He was 79 years old.

An engineer at Leland-Gifford for fifty years, Mr. Goodwin retired in 1970. He was born in Worcester on Nov. 25, 1900, and graduated as a mechanical engineer from WPI in 1925. He belonged to SAE. He was the father of **Richard E. Goodwin** of the Class of 1955.

Julian B. Pendleton, '25, a retired civil engineer from Creole Petroleum Corp., died in Dunnellon, Florida on September 25, 1980. He was 77.

A native of Hardwick, Vt., he was born on Feb. 14, 1903. Prior to joining Creole Petroleum in 1929, he was employed by New England Power Co., and the Pennsylvania Highway Dept. In 1960, he retired from Creole. While with the firm, he was located for a number of years in Venezuela.

Mr. Pendleton belonged to SAE, the ASCE, the Masons, and the Lions Club. He received his BSCE in 1925.

Warren T. Wentworth, '26, died in Lynn, Massachusetts on October 28, 1980 following a brief illness. He was 78 years old.

Born in Tonawanda, N.Y. on Oct. 25, 1902, he was a member of the Class of 1926. He attended Yale.

Thirteen years ago he retired as a senior designer after 30 years at General Electric's River Works. Following retirement, he taught mathematics and drafting at Northeast Institute of Industrial Technology, Boston.

He belonged to the Amateur Telescope Club of Boston, and he was a supporter of the Lynn Philharmonic Orchestra and other musical organizations. He was a past president of the Greater Lynn Camera Club.

Duncan G. Jackson, '28, a well-known businessman in Nashua, New Hampshire, died in September at the age of 73.

He was born in Fall River, Mass. on Oct. 14, 1906, and later became a member of the Class of 1928. He was the owner and president of the former Nashua Grain Company, and until two years ago, had been a Ward 2 selectman.

Active in scouting for many years, he was the recipient of the Silver Beaver Award for distinguished service. He was a former chairman of the Algonquin District BSA. He was a Mason, a member of the Nashua Finance Club, and a veteran of World War II.

Luther Q. H. Chin, '29, died on November 20, 1980 at his home in Freeport, New York.

A Worcester native, he was born on Dec. 24, 1908. In 1929, he received his BSEE from WPI. Before he retired, he was a sales engineer with Westinghouse Electric International, New York City. From 1936 to 1944, he taught electrical engineering at National Central University in Nanking, China. Also, he had managed the Hong Fong Low Restaurant in Worcester, and served as a lecturer at the World's Fair in Chicago in 1933.

Mr. Chin belonged to the AIEE, the Chinese Institute of Engineers, Tau Beta Pi, and Sigma Xi. He was a licensed, professional engineer.

Norman W. Gaudreau, '37, retired president of Bay State Tool and Machine Co., Springfield, Massachusetts, died in August at the Bay State Medical Center.

In 1937, he graduated as a civil engineer from WPI. He had been with Bay State since 1939. Earlier, he worked for Factory Insurance Association. He belonged to the American Society of Tool Engineers, Army Ordnance Association, and the National Tool & Die Manufacturers.

He was a past president of the Connecticut Valley chapter of the Alumni Association, and a native of New Britain, Conn., where he was born on Oct. 9, 1913.

Charles H. Amidon, Jr., '39, a consultant at the Jamesbury Corp., died on November 17, 1980 in St. Vincent Hospital, Worcester. He was 63.

During his career, he was with Seth Thomas Clocks, Pullman-Standard, Heald Machine, Rodney Hunt Co., Foster Machine Co., Textile Machine Works, Butterworth Machine Co., and David Gessner Co. Several years ago, he became a self-employed consultant. He was a consultant for Jamesbury Corp., Worcester, for four years.

Mr. Amidon graduated as a mechanical engineer from WPI. He was a member of Tau Beta Pi, Theta Chi, the Worcester Art Museum, the Masons, and the Massachusetts Association for Retarded Children.

A registered, professional engineer, he also belonged to the ASME. He belonged to the Friends of the Worcester Public Library, Holden Historical Society, the Circus Historical Association, Circus Fans of America, and Circus Model Builders. An authority on circus history, he wrote and illustrated various circus books and magazines. He was born in Worcester on Aug. 25, 1917.

Melvin T. Rafuse, '39, died at his home in Holden, Massachusetts on August 14, 1980. He was 63.

He was born on Aug. 17, 1916 in Worcester. In 1939 he received his BSME from WPI. For 41 years he served as a sales engineer for Heald Machine Co., a division of Cincinnati Milacron in Worcester.

Mr. Rafuse belonged to the Zion Lutheran Church. He was a 32nd degree Mason, a member of the Eastern Star, the Scottish Hiram, Heald Hiram, all Scottish Rite Bodies, and the Massachusetts Consistory.

Merrill W. Wright, '41, a former industrialist and civic leader, died recently at his home in Leesburg, Florida at the age of 62.

The retired chairman of the board of G.F. Wright Steel & Wire Co., Worcester, Mr. Wright had also served as a president of the National Rifle Association. In 1976, he retired from Wright after 35 years of service. During his career, he was employed in the family company as assistant manager, company manager, treasurer, executive vice president, president, and chairman of the board.

He was concerned with civic affairs in Auburn, where he was a past chairman of the board of selectmen, as well as former chairman of the street lighting committee, and of the town hall rehabilitation committee. He belonged to the sidewalk committee, and was appointed a town police officer and Civil Defense director. He had been a trustee of the Congregational Church.

Mr. Wright was born in Worcester on Apr. 5, 1918. Later he enrolled at WPI and at Bryant and Stratton. He once said that from the age of five, he was "hooked on guns, . . . possibly because my mother was a Hickock and there is a family connection with the famous U.S. marshal and pistol marksman, Wild Bill Hickock." He was a former secretary of the New England Police Revolver League.

Besides being a 32nd degree Mason and a Shriner, Mr. Wright was active in the Wire Institute of America, the Rotary, the Sea Scouts, and the U.S. Savings Bonds program. In Florida, he served as planning director of the Lake County Emergency Services and treasurer of Agro-Energy, a group formed to develop a process of conversion of citrus juices into methanol and which had developed engines to run on such fuel. He belonged to Alpha Tau Omega.

William C. Woods, Jr., 42, of Manhasset, New York passed away on November 6, 1980.

He was born on March 25, 1919 in New York City. After graduating as an electrical engineer from WPI, he saw active duty as a lieutenant in the U.S. Navy. In 1946, he joined Western Union. From 1952 to 1954 he served as a commander in the Navy. He was a senior engineer for Sperry Gyroscope for eleven years.

In 1965, he became a senior staff engineer at Grumman Aerospace Co., Bethpage, N.Y. He was a member of the IEEE and the IRE.

Frank H. Parsons, Jr., '45, co-owner of the Acushnet Fish Corp., died in New Bedford, Massachusetts on September 28, 1980.

He was born on Nov. 28, 1923 in Provincetown, Mass., and later became a member of the Class of 1945. He graduated from Massachusetts Maritime Academy. During World War II, he served in the Merchant Marine.

Besides being co-owner and vice president of Acushnet Fish Corp., Mr. Parsons was general manager of Capt. Frank's Seafood Market in New Bedford. He belonged to PKT.

Robert A. Hughes, '54 SIM, died on November 1, 1980 in Worcester at the age of 62.

A former plant superintendent at Rcnord Co., Worcester, he worked there for 37 years before retiring in 1973. He was a Worcester native, and lived in Paxton for 56 years. At one time, he belonged to the Sons of Paxton.

Arthur J. Soderberg, '55 SIM, died recently at Cape Cod Hospital in Hyannis, Mass. He was a retired purchasing agent for Coes Knife Co.

Alton C. Churbuck, '56, of Cotuit, Massachusetts was killed in an auto accident on March 12, 1980.

A native of Melrose, Mass., he was born on Feb. 16, 1934. He was a member of the Class of 1956, and received his BS from Boston University and his MBA from Harvard Business School. He belonged to Lambda Chi Alpha.

During his career, he was with Minneapolis Honeywell and Arthur Andersen & Co., Houston, Texas. He also served as president of Maple Wood Products Co.

Wilbur S. Ekman, '59, died on September 3, 1980 in Hartford, Connecticut. He was 43 years old.

For over twenty years he was a chemical engineer at Armstrong Rubber Co., where he served as a radial tire compounder. In his leisure hours, he was active with the Midget Football "Ray Tellier" League in West Haven.

A native of Hartford, he was born on June 16, 1937. He was a member of Lambda Chi Alpha. In 1959 he received his BS in chemical engineering from WPI.

Stanley V. MacNeill, '60 SIM, of Hudson, Massachusetts, died October 10, 1980. He was 66 years old.

Before retiring in 1978, he was maintenance manager for the Worcester Gas and Light Co. for 39 years. He had belonged to the Unitarian Church, the Masons, and the Rotary Club, and was an auxiliary police officer for the Marlborough Police Department. He was a notary public.

Robert M. Wallace, '60, a computer specialist, passed away in Dayton, Ohio on June 24, 1980 at the age of 42.

Since 1967, Wallace was employed by the Foreign Technology Division at Wright-Patterson AFB in Dayton. He was a pioneer in the field of machine translation: Russian to English. In June of 1979, he was invited by a Canadian company to participate in a panel discussion and present a paper at an international convention in Bermuda. In May of 1980, he was invited to preside at the 9th Mid Year Meeting of the American Society for Information Science at Robert Morris College in Pittsburgh at a discussion of Automated Language Processing.

He belonged to Phi Kappa Theta, and was a graduate of the University of Massachusetts at Amherst. He was born on June 20, 1938 in Milford, Mass., and was a member of the Class of 1960.

Maurice D. Letourneau, '73, a former teacher at Quabbin Regional High School, died at his home in Oakham, Massachusetts on November 1, 1980. He was 42.

He graduated from Worcester State College, then received his MS in mathematics from WPI in 1973. Until last year, he had taught for several years at Quabbin Regional in Barre, Mass. He was a native of Holden.

Steven A. Spaulding, '78, was killed in an automobile accident on April 18, 1980 in Seattle, Washington at the age of 24.

At the time of his death, he was with the Boeing Company. After leaving WPI, he entered Virginia Polytechnic Institute and State University.

Gary F. Pietryk, '79, of Holyoke, Massachusetts died in a head-on automobile crash in Connecticut on October 26, 1980.

He was born on Sept. 19, 1957 in Holyoke, Mass. In 1979, he graduated as a mechanical engineer from WPI. He was employed by Combustion Engineering of Windsor, Conn., and belonged to the ASME.