

the WING FOOT CLAN

Goodyear Atomic Corporation . . . A Subsidiary of The Goodyear Tire & Rubber Company

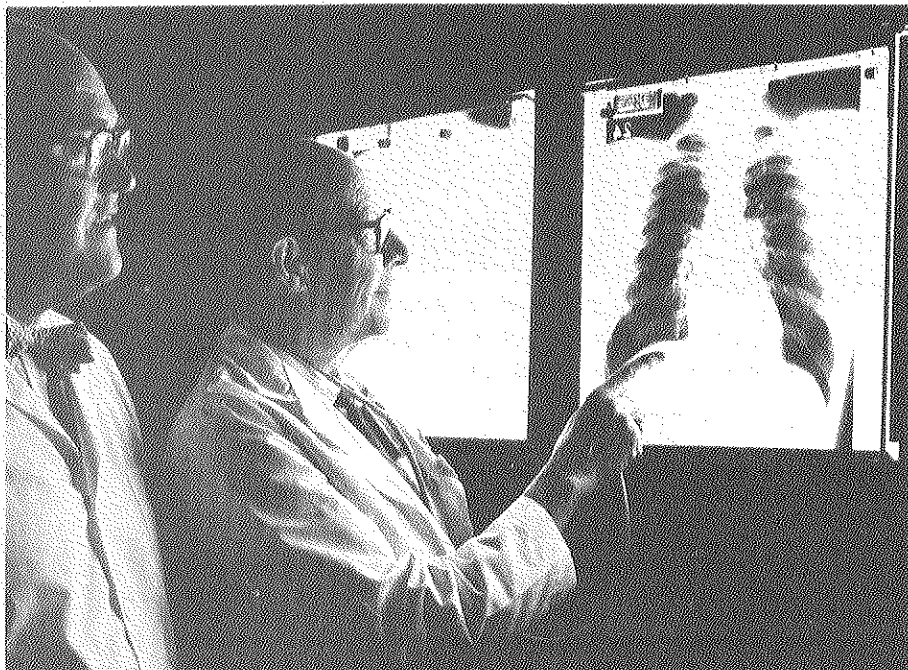
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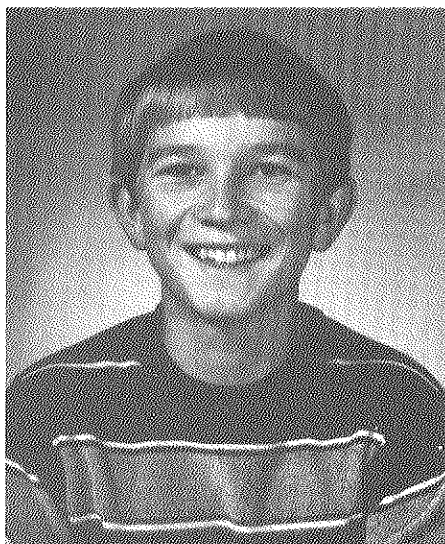
New X-ray technology added at plant hospital



Dr. W. T. Washam (left), medical director for Goodyear Atomic, examines the X-rays of a patient along with Dr. Peter H. Mulder, staff physician. The X-ray was made with a new screen/film system that reduces radiation exposure to a patient by as much as 50 percent.

Son of Goodyear Atomic employee places third in Tri-State "bee"

Bradley L. Mossbarger, 13, placed third in the Tri-State Spelling Bee in Huntington on Saturday, April 12. He is the son of James W. Mossbarger, systems analyst in Finance division (D-301).



Brad Mossbarger

Brad is a 7th grader at Valley Intermediate School. He and his family reside on Route 4, Lucasville.

The Tri-State Area Spelling Championship was sponsored by The Huntington Herald-Dispatch. Brad's prize for placing third was a 12-inch black-and-white Zenith television.

Each of the 54 contestants from 20 counties in Kentucky, Ohio and West Virginia also received a blazer insignia of "Mr. Bee," symbol of the spelling bee.

The winner of the competition will travel to Washington, D. C., for the National Spelling Bee. Each of the top five spellers are eligible to compete again next year if they win in their districts because they will not be beyond the 8th grade.

Brad had placed third in the Scioto County spelling bee.

The 32nd annual Bee was held in Smith Music Hall at Marshall University.

A film and an X-ray screen that significantly reduce the amount of radiation required during X-ray procedures now are being used by Goodyear Atomic Corporation.

When the plant medical facility began using Kodak Lanex "Rare Earth" intensifying screens, it was able to reduce radiation exposure to patients by more than 50 percent, according to Dr. W. T. Washam, medical director.

"The new Kodak Lanex screens also can save money and increase efficiency in the department," he said. "The speed of exposure helps reduce the number of X-ray examinations that must be redone if the patient moves. The less time it takes for the exposure, the less likelihood of movement blurring the X-ray study, which reduces the number of retakes," Washam noted.

But it is the reduction in radiation exposure to patients and staff that Dr.

Washam considers most important. He says the effects of X-rays upon the human body continues to be a subject of controversy and that as a result of increased government studies and intensive medical research, major breakthroughs are being made in an effort to reduce radiation exposure.

The Goodyear Atomic Medical department is one of the first in the area to fully convert to the new low-radiation system, Dr. Washam noted. Kings Daughters Hospital in Ashland, Ky., and The University Hospital, Columbus, have initiated use of the improved system. They are three of only a few in the country to use the new process.

Dr. George V. Johnson, member of a private group of radiologists in Portsmouth, noted that use of the new system is a "very important benefit" to GAT employees and that he hopes to see more

(Continue on Page 2)



Bowling tournament winners for 1980 are announced

The 1980 Goodyear Atomic Bowling Tournament results have been compiled by Gary Doerr (D-611), coordinator.

The 24th Annual GAT Women's Handicap Tournament was an event of February 16 at Sunset Lanes in Portsmouth. Winners were as follows:

Women's Team Event -- Alley GATS (2295). Rita Dobbins, Debi Ramey, Eileen Ward and Jenny Parman.

Women's Single Event -- Debbie Whitt (632).

Women's Doubles Event -- Charlotte Lindsay and Tillie Bolt (1276).

Women's All Events Winner -- Irene Ashley (1859).

The 26th Annual GAT Men's Handicap Tournament was at Jolly Lanes in Jackson on March 8. The winners of this tournament are as follows:

Men's Team Event -- Gatliff's Gang (2939). Bob Gatliff, Tim Jayne, Ed Henry, Joe Slone and Chuck Whittaker.

Men's Single Event -- Jack Jenkins (664).

Men's Doubles Event -- Elmer Litteral and Bill Kiser (1316).

Men's All Events Winner -- Tim Jayne (1868).

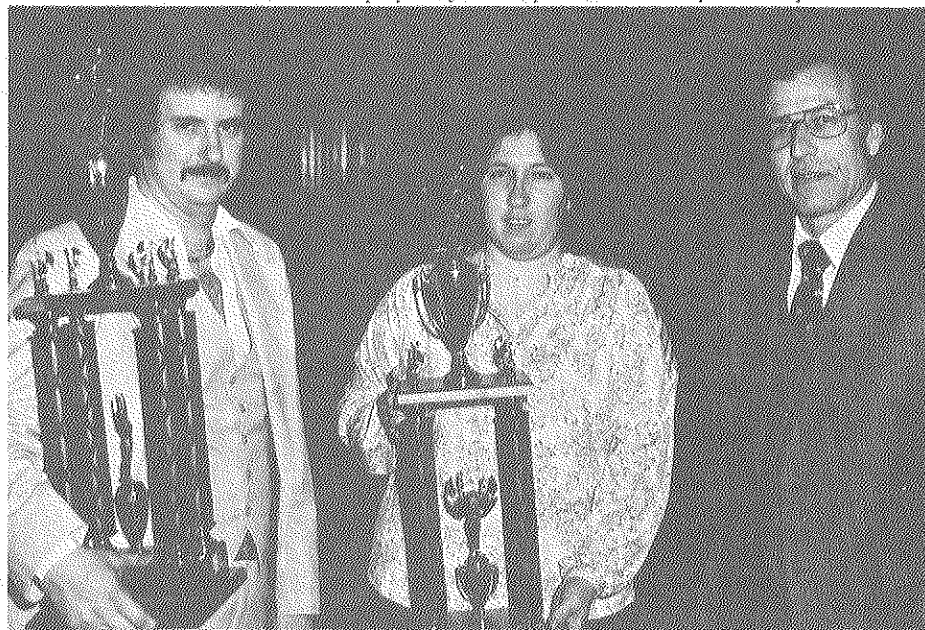
The top 15 bowlers in each group with the highest total pin count were eligible to compete in the Championship Roll-Off at Sunset Lanes on April 19. The Men's Championship went to Bill Johnson; Dave Weiss was runner-up. The Women's Championship winner was Lucille Lemaster and the runner-up was Sandy Murta.



Science fairs enjoyed their annual prominence in local schools this spring. Several Goodyear Atomic employees served as judges for local school systems. In Jackson, first place in the senior division went to Terry Rhea, Alan Terry and Chuck Stapleton (above), who built a demonstration model based on nuclear technology. Stapleton is the son of Charles A. Stapleton (D-727). The trio went on to win district competition at Athens and advanced to state competition in Delaware on April 28. Local science fairs featured many other energy-related exhibits, including nuclear, solar, geothermal and coal displays.



The 1979 Recognition Banquet was an event of March 22 in Stevenson Center at Ohio University-Chillicothe. Featured speaker for the event was Frank Geyer, a former GAT employee who is now affiliated with a radio station in Northern Ohio. The purpose of the banquet was to honor sports champions in 1979.



Company bowling champions in 1979 were Roy Chesbro (D-621) and Sandy Murta (D-541), shown above displaying their trophies as Jerry Althouse, assistant general manager, Operations, looks on. Chesbro and Murta were honored at the 1979 Recognition Banquet March 22.

"Rare Earth" imaging system is added at GAT medical center

(Continued from Page 1)

utilization of the Kodak "Rare Earth" technology in this area. Dr. Johnson provides X-ray interpretation and consultation services for Goodyear Atomic. He also commended recent plant Medical department increases in manpower and facilities.

The Kodak "Rare Earth" system has been coupled with a new General Electric X-ray system and a new Kodak rapid X-ray processor at the Goodyear Atomic hospital. Phosphors found in the earth's crust in only trace amounts -- "rare earth" elements -- are used in the intensifying screen. "These phosphors -- substances which emit light -- absorb and convert more X-ray particles to light than conventional imaging systems," Dr. Washam said. They replace older calcium tungstate screens, which often result in problems of image deterioration -- not a factor in use of "Rare Earth" screens.

Further benefit is derived from the increased efficiency of the screens, Washam noted. He said that heat buildup in X-ray tubes and equipment is reduced, thereby resulting in extended life of these items

and fewer replacement costs. In addition, lower powered and less costly generators are required to keep the system functioning.

Washam noted that radiologic technologists and others who work with X-rays are exposed to less radiation through use of the "Rare Earth" system. "Protection of the staff has always been carefully controlled and monitored to maintain minimum radiation levels," he indicated. "The new screen/film combination makes it that much easier and provides greater protection."

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Foreign operations boost GT&R quarterly results

Investments in sophisticated manufacturing systems, expanded research and development capabilities and programs to improve efficiency throughout its operations have prepared Goodyear to maintain leadership in the highly competitive one-world economy of the 1980s. Chairman Charles J. Pilliod Jr. told the annual meeting of shareholders April 7 in Akron.

At the same time, Pilliod warned that the future economic well-being of the United States depends on recognition of the growing competitive ability of other nations and the fact that American has lost some of the advantages it long took for granted.

"The world economic order has changed," he said. "America and Americans are living in a new world in which the U.S. no longer is the sole dominant force. Our economy and our way of life are being impacted by a force which we must recognize and to which we must get accustomed -- international competition."

Without its once almost exclusive advantages in readily available capital and raw materials, technological supremacy, a productive and highly motivated work force and rapidly expanding home markets, "U.S. industry is now just one of many striving to market products in a common international arena," Pilliod

said.

He said the inroads made in U.S. markets by foreign cars and many other types of products attest to the strength of foreign competition and the declining competitive posture of American industry. The effect, he said, can be summed up by the fact that the U.S. trade balance over the past 10 years has fallen from a surplus of \$607 million in 1978 to a deficit of \$29 billion in 1979.

"We are living beyond our means -- making up the difference with a devalued currency and growing debt, thus adding greatly to our inflation," Pilliod declared.

The blame, he said, must be shared by all elements of our society, including the government, management and labor.

He said the only approach holding promise for long range success "is to make our industries competitive on a world basis."

That, he said, has been Goodyear's approach and goal. "We are truly multinational, with 58 plants in the United States and 48 abroad. Our sales are about 60 percent domestic and 40 percent foreign, so we really have little choice. We must compete on an international scale."

Goodyear, bolstered by a strong contribution from its foreign operations, reported April 23 that first quarter sales reached a record \$2,023,431,000. Earnings of

\$50.7 million surpassed those of the previous quarter and closely approached first quarter 1979 figures.

Board Chairman Charles J. Pilliod Jr. reported that sales for the first three months increased \$14,165,000 over the same period last year when the previous record of \$2,009,266,000 was set.

He said earnings were \$7.5 million higher than the fourth quarter of 1979 and were only \$3.3 million, or 6 percent, below the restated \$54 million for the first quarter last year when domestic plants were running at capacity and before the brunt of the economic turndown hit the U.S. industry.

"Net income per share for the first quarter was \$.70, compared with the restated \$.74 of a year earlier," he said.

While pleased by the continued strong contribution made by foreign operations, Pilliod said domestic results were disappointing because of low demand coupled with the difficulty of recovering increased costs in the depressed market.

Adversely affected by both inflation and the continued slack pace of Detroit auto production, overall corporate results represented only a 2.5 percent return on sales.

Pilliod predicted that Goodyear's foreign operations would continue to make strong contributions through the balance of 1980.

On the domestic front, lower U.S. auto-

mobile production that adversely affected Goodyear's U.S. performance in the first quarter likely will keep tire and transportation-related markets soft in the near term.

"The balance of 1980 is the period in question, as we are automotive-oriented and thus our financial success will depend to a degree on the recovery of the U.S. automotive industry," he said. "However, I feel strongly that once the industry's new fuel-efficient models are available in quantity, we will see a resurgence of demand in all domestic automotive lines."

Plant contract bids submitted

Lieb-Jackson, Inc., Columbus, was the apparent low bidder on a contract for process control modification in the X-333 Building. Its bid of \$1,624,000 was one of four received by the Department of Energy's Portsmouth Area Office. Work in the contract consists of the installation of a heat exchanger and the necessary control equipment. These are required as part of a larger project to provide increased process control efficiency and lower costs. The contract is scheduled for completion within 300 calendar days of the award, while the balance of the project is scheduled for completion by October 1981.

Columbus Heating & Ventilating was the apparent low bidder on a contract for a perchloric acid fume hood in the X-705 Building. Its bid of \$36,300 was one of three received by PAO. This project will provide for a new hood at the X-705 Process Laboratory, equipped with a small sink, sanitary water, explosion proof light, an auxiliary air supply system, electrical power and controls located on the exterior of the hood to permit safe emergency shut-down of the system.

Wilson Construction Company, Huntington, was the apparent low bidder on a contract for chemical and petroleum storage containment measures for the plant. Its bid of \$119,766 was one of four received. This project will provide two pit-type containment structures constructed of concrete walls and drainage aprons. One pit is designed to contain 120 percent of the volume of a typical tank truck (8,000 gallons) while the other is designed to contain 120 percent of the volume of a railroad tank car (12,000 gallons). These structures will reduce the chances of migration of chemicals and/or fuel oil to the environment in the event of a spill.

After review of all bids, DOE will award the contracts within the next few weeks.



Goodyear Atomic hosts emergency seminar

Goodyear Atomic was host for a special "Emergency Preparedness" seminar for local civic officials on April 22. The day's program included a limited tour of the plant. Robert L. Saltzman (lower right), section head in Nuclear

Materials Control, explained cylinder handling operations to his tour group with the assistance of F. J. Weeter, supervisor, Uranium Materials Handling (holding megaphone).

Indianapolis 500 pace car to introduce Eagle GT tire

When the gleaming white Pontiac Turbo Trans-Am pulls out onto the Indianapolis Motor Speedway to open the track May 3, it will be rolling on a limited edition new Goodyear tire for the "muscle cars" of the 1980's -- the Eagle GT radial.

And for Goodyear it will continue its almost annual unveiling of a new high-performance tire with the Indianapolis pace car.

The Eagle GT combines the high-performance handling of Goodyear's Wingfoot Radial, used at the Speedway last year, with the traditional appeal of steel-belted construction.

"The tire is a product of our continuing development of precise and responsive radials through advanced design and high technology in manufacturing," said Scott H. Buzby, president of the Goodyear Tire Division. "We originally developed it for General Motors for the 1980 Corvette, and we are very pleased that it has been

selected for the pace car version of the Pontiac Turbo Trans-Am."

The tires to be used on the pace car were molded to half the normal tread depth to combat heat at very high speeds attained on the Speedway.

The Eagle GT currently is available only on new cars and in one size -- the P255-60R15. Buzby said additional sizes will be added later and the tire will become available in the replacement market.

"The tread pattern resembles that of the Wingfoot, but the Eagle is more than just a steel-belted version of the Wingfoot," Buzby said.

The tire is designed for use on 8-inch-wide wheels and at 10.5 inches it is about a half-inch wider than the Wingfoot counterpart made for 7-inch-wide wheels. The shoulder elements in the tread pattern were widened slightly to improve handling. The sidewall features popular outline white lettering.

The construction is of two plies of polyester, two steel belts and two nylon overlays, layers of nylon that gird the tire's components and help reduce heat buildup in the shoulders that occurs in high-speed driving.

Although this year's field for the 64th Indy 500 doesn't have to qualify until May, the Eagle GT already has cleared that barrier by qualifying with General Motors.

"The tire was run up to 130 miles per hour and was run at the maximum load for 125 miles at 120 miles per hour," Buzby said. "Obviously we passed these and other tests with flying colors."

This will be the tenth consecutive year that Goodyear tires have been on the pace car to lead the 500 field to the green flag on race day.

Over the years the company has used the pace car, one of the most talked about and photographed automobiles of the year, to showcase a new tire line. Indianapolis race fans have gotten an early look at such lines as the Wingfoot, GT Radial, Polysteel and Steelguard, tire names that became well known to tire buyers.

McCrary promoted to general foreman

Doy L. McCrary, Chillicothe, has been promoted to General Foreman, Shift Maintenance (D-731). He reports to Guy W. Parks, supervisor.



McCrary



An 82-car fleet of Pontiac Turbo Trans-Am pace car "look-alikes" are lined up behind 1950 Indianapolis 500 winner Johnnie Parsons and the pace car he was to drive to start this year's race May 25. Parsons was in 10 Indy 500s but this was to be his first as the pace car driver. Pontiac's only other pace car appearance was in 1958. The pace car features Goodyear's new Eagle GT radial.

Racing poster now available

A full-color wall poster featuring auto racing's top drivers and action scenes is being offered by Goodyear to motorists as incentive to check for worn-out belts and hose.

By receiving a free maintenance check at a dealer handling Goodyear belts and hose, or by purchasing a Goodyear belt or hose, a car owner can obtain the poster for 50 cents.

The poster is a montage of racing action and candid photos of such drivers as A. J. Foyt, Mario Andretti, Rick Mears, Al Unser and Shirley Muldowney.

Each poster is individually rolled and wrapped.

OBITUARIES

Clee R. Woodruff, 85, Oak Hill, February 29. Father of Dorothy M. Carter (D-725).

Marion M. Crawford, 75, Waverly, March 4. Crawford was general foreman, Process Area, at the time of his retirement in October 1969.

John A. Brackey, 62, Portsmouth, April 21. As superintendent, Engineering (D-902). Brackey was director of the Operating Contractors Project Office (OCPO) at the Portsmouth plant. He is survived by his wife, Edna T. Brackey, secretary in Quality Assurance and Control (D-910).

Goodyear service organization offers scholarship opportunities

Employees' children who want to enroll at either of two state universities have an opportunity to win a Goodyear Scholarship.

The Goodyear Service Pin Association, a non-profit Akron organization designed to further the loyalty and cooperation of Goodyear employees, sponsors a limited number of scholarships at the University of Akron and Kent State University. Each scholarship is worth \$540 per year, more than one half of the yearly tuition at each school.

Eligible are sons and daughters of employees with at least five years of service at the time of his or her retirement or death.

The program has no connection with the National Merit Scholarship Corporation through which Goodyear provides scholarships to the college or university of the recipient's choice.

Employees and retirees should advise their children that applications for the Akron U. or KSC scholarships must be made at the Financial Aid Office of the university. These are the only two schools where these scholarships are offered.

The selection committees at the schools are responsible for making selections and advising successful applicants.

Additional information about applications and scholarships may be obtained by contacting Gail Taylor at Akron U. or Kathy Baglione at KSC.

DOE FEATURE:

One of a Series

Household Heat: Forgotten Places Waste Dollars

Even if you have insulated attics and walls and have caulked and weatherstripped around doors and windows, gaps you may have overlooked will continue to cost you dollars and heat.

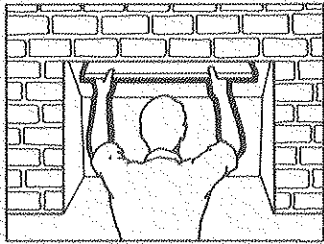
Some of these gaps can be closed at small expense and for a substantial return. Here are two areas that are commonly ignored:

Escape Up the Chimney

It is not unusual to find a gap of an inch or wider in a fireplace whose damper is closed. This can create a major air leak when the fireplace is not in use, because the chimney itself encourages a strong flow of air.

One way to stop the leak is to stuff the gap with insulation, or, if it is too large to insulate, to cover it with a board. The stuffing or covering obviously *must be removed before the fireplace is used*. In a cold climate,

you can plug the damper



and save \$45 a year with electric resistance heat, \$20 with gas heat, and \$30 with oil heat, depending on where you set the thermostat and the size of the gap.

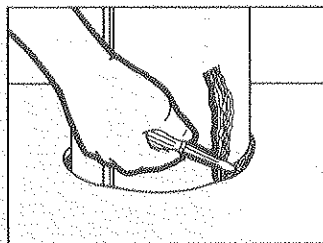
Holes in the Attic Are Like Holes in Your Pocket

Step into your attic some winter night. Even if it is insulated at floor level, you may be surprised to find the attic is much warmer than the outside air. That means that some of the expensive heat you need downstairs has escaped up to where it won't do you any good.

It is common to find large

openings where pipes, ducts, or exhaust fans are cut through the attic floor. But they can be stuffed with foil-backed insulation or scrap plastic such as dry cleaner bags taped in place. Stopping attic bypasses can save from \$25 to \$80 a year in heating costs.

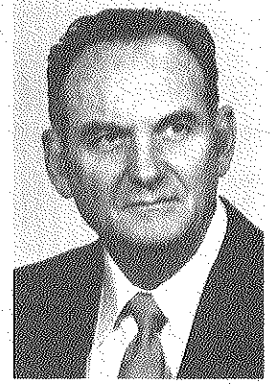
All the obvious holes and gaps can be plugged with the exception of the gaps around recessed light fixtures and the vents in the attic. *Do not cover light fixtures directly with insulation as this may cause a fire.* Also, the vents must be able to breathe so that they can



prevent moisture accumulation in the attic.

Another major attic bypass is the gap where the furnace stack or chimney meets the wood framing of the house. This gap is very important, because it often creates a kind of mini-chimney effect, carrying air all the way from the basement to the attic and making a river of heat loss. Fireproof insulation can be stuffed between the wood frame and the wall of the chimney. *Do not use cellulose here, as it may burn.*

Another good candidate for a little insulation is the attic door. It should be covered with a batt of foil-backed insulation. The edges of the door should be weatherstripped so that air cannot escape around the sides. This measure alone can save \$20 if you have electric heat, \$8 for gas heat, and \$12 for oil heat. It will also save on air-conditioning costs.



Schweinsberg

Schweinsberg now shift superintendent

W. T. Schweinsberg has been promoted to Shift Superintendent (D-072), assigned to "B" Shift. He reports to William L. Kouns Jr.

Schweinsberg joined Goodyear Atomic in 1954 as a police officer. He became an environmental surveyor in 1980 and most recently was section head, Environmental Surveillance (D-922).

Prior to joining GAT, Schweinsberg was employed by Paris Junior College in Paris, Tex., and at Wright Patterson Air Force Base near Dayton.

A Marine Corps veteran, Schweinsberg and his wife, Dorothy, reside in Portsmouth.

25 Years

Five Goodyear Atomic employees reach the 25-year service milestone in May.

Robert C. Cassity, Production division, began work with Goodyear on May 2, 1955.

Ruth N. Deitchel, Purchasing & Materials division, looked back 25 years from May 9 to the beginning of her employment with the Company.

Glenn A. Shultz, Quality Assurance & Control, began work on May 18, 1955.

William J. Bloss, Maintenance division, came to work for Goodyear on May 22, 1955.

Georgia M. Barney, General Safety & Environment Management, began work on May 23, 1955.

"Definitions" from Q. A.

QUALITY -- Fitness for intended use.

QUALITY ASSURANCE -- Those planned and systematic actions required to provide adequate confidence that an item will perform satisfactorily in service.

QUALITY INCIDENTS -- The occurrence of an unexpected significant quality failure or a significant event that results from an unexpected quality failure.

QUALITY FAILURE -- A condition wherein an item is not fit for intended use.

CORRECTIVE ACTION -- Action taken to restore an item or process to an acceptable condition to prevent failure of discrepancy recurrence.



"Yabba Dabba Doo"

A major live show at Kings Island is a delightful 30-minute musical entitled "Yabba Dabba Doo Caperoo", in the American Heritage Music Hall.

GAT employees are active in local Explorer post

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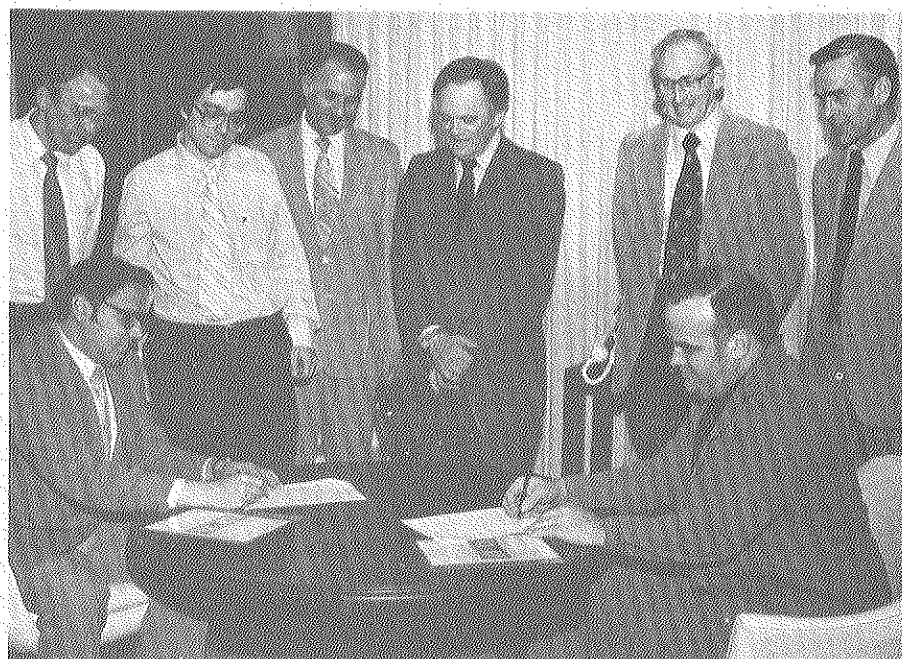
By Jack Harbert

Five Goodyear Atomic employees are active in the highly successful Explorer Post #76. Post 76, sponsored by the Waverly Fire Department was organized in March, 1979, through the efforts of the BSA Chief Logan Council in Chillicothe and Jack Harbert (D-826), who represents the local fire department as post advisor.

Post 76 is made up of youths age 14 to 21 and boasts an active membership of 16 young people in the Waverly area. The purpose of the Post is to explore fire-fighting and emergency medical service careers. Other activities include hiking, camping, canoeing and rappelling. Week-ends often find members and advisors practicing their rappelling skills from the department's 65-foot aerial ladder truck. Members also assist local firefighters in

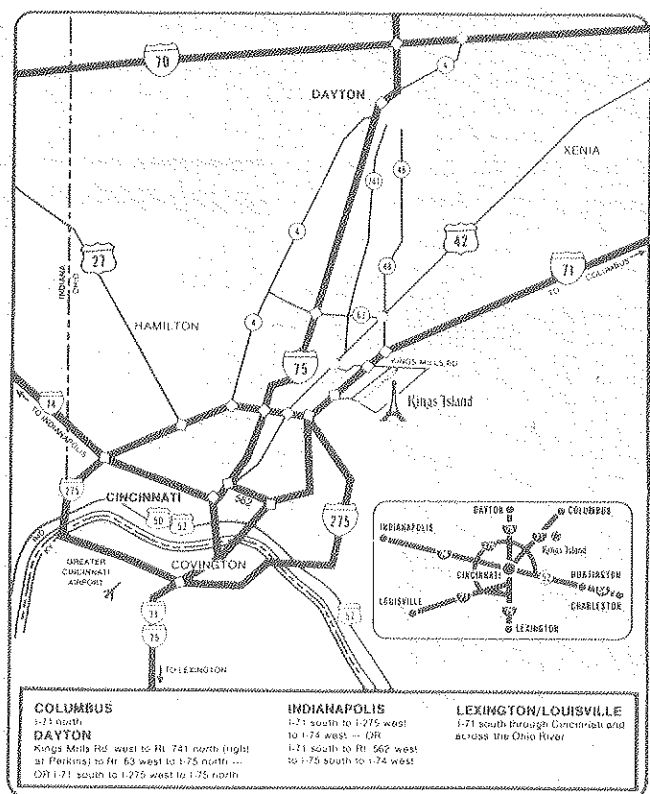
cleaning up equipment after fire runs and helping at department fund raisers.

The Scouting Coordinator for the group is Greg Barch (D-611), a paramedic and CPR instructor for the American Heart Association. Associate advisors for the post include the following Goodyear employees: Debbie Barch (D-211), a paramedic and nurse who conducts first aid and medical emergencies classes; Max Hanning (D-851), who plans and presents safety programs such as electrical safety in the home; and Dave Fosson (D-810), who assists members with planning of recreational activities such as hikes and bicycle tours. Post 76 meets at the Waverly fire department squad room each Wednesday at 7:30 p.m. Visitors and prospective members are welcome. For more information concerning the Explorer Program, contact the Employee Activities Committee.



Patent award

The Department of Energy has applied for a patent for an invention by A. J. Saraceno and M. J. Orlett. The invention involves the use of pellets for fluorine recovery. It could be used in the oxide conversion facility and would help GAT meet environmental standards and save money by recovering fluorine for reuse. Saraceno (left) and Orlett sign application forms as W. R. Schultz, J. A. Mann, S. W. Wohlfort, N. H. Hurt, P. R. Seufzer and R. W. Brown look on.



Recreation Corner

• The Employee Activities Committee (EAC) has reported that busses will not be available for transportation of employees to the June 7 picnic at Kings Island. The Committee investigated the use of busses for the picnic, but due to other contracts that day, charter companies will not have busses available in Southern Ohio. Therefore, employees will be responsible for their own transportation to the park.

• Because of an increasing number of requests by GAT employees for EAC funds to finance teams in the outside leagues, the committee will no longer be able to give money (entry fees) to an individual team wanting to join an outside league. This money will be reserved for Goodyear Atomic leagues that are formed. Any employee who is in a GAT league or is on a GAT team in an outside league is eligible to be covered by Workman's Compensation in case of an injury. Teams wanting this coverage and sponsorship by Goodyear Atomic must submit a request in writing to the EAC and receive a notice of recognition. The letter must list the name of the league, team members, schedules and any other pertinent details. Anyone who is planning to have a GAT team in an outside league should ask the captain to comply with this requirement. The team captain assumes responsibility as a Company representative in outside league participation.

• The 1980 Amateur Athletic Union (AAU) Junior Olympic Boxing Championship in Chillicothe is planned for May 30-31 at the Robert Gay Community Center. Bouts will begin at 7 p.m. each night. Keith Lee (D-823) and Don Hurt (D-503) are involved with the Chillicothe Boxing Club and should be contacted for details. Sons of GAT employees might be interested in the championships. There are three divisions for youth ages 10-15. Intermediate and Senior division winners will qualify for regional tournaments.

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