

the WING FOOT CLAN

Goodyear Atomic Corporation

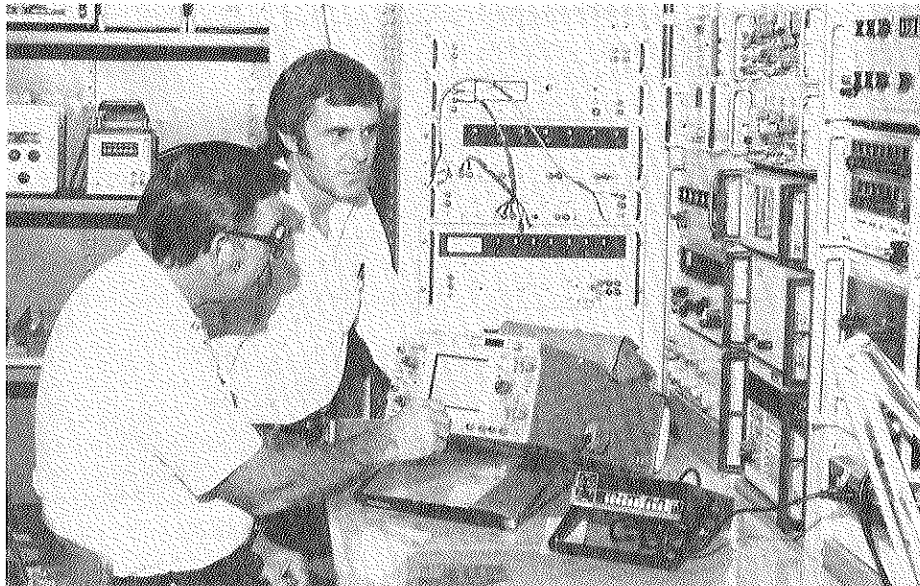
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Electronic Maintenance work review

Work of the Electronic Maintenance Department requires manual dexterity, knowledge and proficiency in working with highly technical aspects of complex equipment. Troubleshooting and repair of computer systems and other sophisticated equipment makes up a workday of the department's personnel. Pictured are Dave Kemper and Dave Blanton. In an inside story, Process Operator Esther Downey—a regular contributor to the Wingfoot Clan—takes a look at the work of this department.

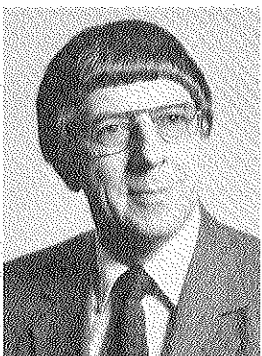
1984 HOLIDAYS

New Year's Holiday	Monday, January 2
Good Friday	Friday, April 20
Memorial Day	Monday, May 28
Independence Day	Wednesday, July 4
Independence Day Holiday	Thursday, July 5
Labor Day	Monday, September 3
Columbus Day	Monday, October 8
Thanksgiving	Thursday, November 22
Thanksgiving Holiday	Friday, November 23
Christmas Holiday	Monday, December 24
Christmas	Tuesday, December 25

Tokarcik reaches 40-year mark

Arthur G. Tokarcik, superintendent, Life Cycle Management subdivision of the GCEP Technical Services division, celebrated his 40th Goodyear service milestone Nov. 30.

Tokarcik joined Goodyear in November 1943 as an engineer. Prior to his transfer to Goodyear Atomic in November 1981,



Tokarcik

he was responsible for 27 years for applied stress analysis, development of structural materials, metal fatigue analysis, advanced technology development and development of standards for structural materials and fasteners for both Goodyear Aerospace Corporation and Goodyear International. This involved work at most Goodyear facilities.

Tokarcik was graduated from Pennsylvania State University in 1944 with a bachelor's degree in chemical engineering, and from the University of Akron in 1950 with a mechanical engineering degree. He is a registered professional engineer.

Tokarcik has had several papers published, lectures extensively in his area of expertise and is a member of several engineering societies.

Art and his wife, Billie, have one son and will soon move from Oak Ridge to Waverly.

McDermott replaces Jones as 700 division manager

Roger D. McDermott has been appointed Manager, Gaseous Diffusion Plant (GDP) Maintenance Division. He reports to Richard L. Shepler, GDP Plant Manager.

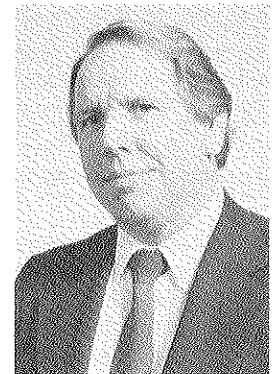
McDermott joined Goodyear Atomic in 1966 as a staff engineer in Plant Engineering. Prior to joining the company on a full-time basis, he had served four summers in the company's Co-Operative Education Program.

He was named supervisor, Shops Maintenance, in 1974, and was promoted to superintendent of that department in 1975. He became superintendent, Maintenance Engineering and Services, in 1979.

McDermott was graduated from the University of Cincinnati in 1966 with a

bachelor's degree in mechanical engineering, and from Ohio University in 1971 with a master's degree in industrial and systems engineering.

He and his wife, Jackie, have two children and live in Friendship.



McDermott

Blood drive is January 4-5-6

The next visit of the American Red Cross Bloodmobile to Goodyear Atomic Corporation is scheduled for Wednesday, Thursday and Friday, January 4-5-6, 1984. Personalized registration forms have been mailed to each employee.

The location will be the X-102 Cafeteria on Wednesday and Thursday. On Friday, the Bloodmobile will move to the X-1000 GCEP Administration Building in an effort to increase collection totals.

More than 95 percent of all people who reach age 72 will need some type of blood byproducts, blood components or blood transfusion during their lives. Unfortunately, only three percent of the population donates blood.

The American Red Cross, Tri-State Region, depends heavily on the employees of Goodyear Atomic to supply the blood needs of patients throughout its 53-county region.



DOE officer, congressman visit diffusion plant

When John R. Longnecker (second from left), deputy assistant secretary for Uranium Enrichment and Assessment for the U.S. Department of Energy in Washington, D.C., and U.S. Congressman Bob McEwen (third from left), visited the Gas Centrifuge Enrichment Plant in November for the move of the first site-built machine into a process building, they set aside time to visit the gaseous diffusion plant's X-333 Building process display cell. Their escorts were GDP Production Division Manager Vince DeVito (left) and X-333 Building Supervisor Jules Ratliff (right).



Discussion of burn program part of safety meeting

GCEP Electrician Marvin Davis (right) is a Portsmouth Shriner heavily involved in fire training safety and the work of the Shriner's Burns Institute. He presented a Shrine film on its Burns Institute as part of the October safety meeting of the GCEP Maintenance Division. At left is Wroy Jordan, staff administrative specialist (D-187) and GCEP Maintenance Division safety coordinator. The Shrine program is presented regularly in Scioto County communities.

Stalnaker transfers to Planning

C. Keith Stalnaker has been named Administrative Supervisor, Planning & Methods. He reports to Robert D. Bush, administrator, Management Control.

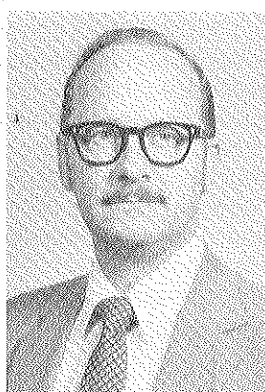
Stalnaker joined Goodyear Atomic in June 1973 as a welding engineer. He was named section head, Quality Control, in January 1975 and was promoted to Quality Control supervisor in March 1981.



Stalnaker

He was graduated cum laude from The Ohio State University in 1973 with a bachelor's degree in welding engineering, and from Ohio University in 1982 with an MBA degree. He is a registered professional engineer in Ohio.

He and his wife, Beth, have one son and live in Chillicothe.



Kramer

Kramer promoted to supervisor

Casper E. Kramer has been promoted to Supervisor, Gas Centrifuge Enrichment Plant (GCEP) Maintenance, with responsibilities for the Maintenance Engineering and Services departments.

He reports to Joseph J. Eyre, manager, GCEP Maintenance Division.

Kramer joined Goodyear Atomic in June 1981 as a senior engineer, GCEP Maintenance Engineering.

He retired from the U.S. Air Force in 1981 after 21 years of service and several medals and awards for meritorious service.

He was graduated from the University of Arizona in 1963 with a bachelor's degree in mechanical engineering and from the Air Force Institute of Technology in 1976 with a master's degree in facilities management.

He and his wife, Gini, have four children and have been living in Knoxville.

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Miller becomes superintendent in GDP Maintenance Division

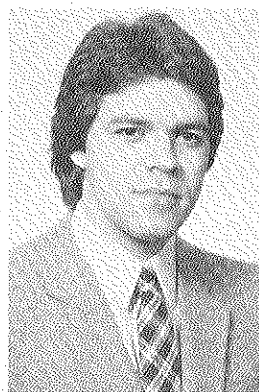
Roger R. Miller has been named Superintendent, Gaseous Diffusion Plant (GDP) Engineering and Maintenance Services. He reports to Roger D. McDermott, manager, GDP Maintenance Division.

Miller joined Goodyear Atomic in January 1976 as a staff engineer, Planning and Methods. He advanced to senior engineer, section head and then administrative super-

visor of that department, all in 1980.

He was graduated from Louisiana State University in 1972 with a bachelor's degree in aerospace engineering, and in 1975 received a master's degree in English literature from that school.

He and his wife, Alice, have one daughter and live near Minford.



Miller



Perez

Perez moves to Quality Control

Victor M. Perez has been named Supervisor, Quality Control. In his new position, he reports to David F. Freshour, administrator, Quality Assurance and Control.

Perez joined Goodyear Atomic in July 1979 as a maintenance coordinator.

He was retired in 1979 from the U.S. Air Force following 23 years of service and numerous awards.

He was graduated from Inter American University at Ramey AFB in 1967 with a bachelor's degree in mathematics and from Central Michigan University in 1981 with a master's degree in industrial management.

He and his wife, Nancy, have two children and live in Chillicothe.

Nuclear savings

Over its quarter-century of operating experience, it is estimated that nuclear electricity has saved American consumers from \$30- to \$40-billion in 1982 dollars and is now saving about \$3-billion a year over the most likely alternative power sources that would have been used.

Promotions

Russell C. Griffith has been promoted to General Foreman, GCEP Maintenance (D-175). He reports to Russell D. Horsley, supervisor.

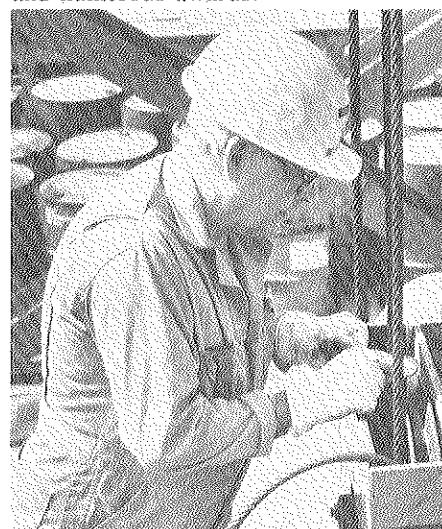
Terry L. Greene has been promoted to Shift Foreman (D-213), and is responsible for the activities of the GCEP Subassembly Preparation and Repair function. He reports to Thomas R. Johnson, supervisor, GCEP Manufacturing.



Griffith



Greene



Attendance record

Elmo Flinders, Safety Code Inspector II (D-376), celebrated his 30th Goodyear service milestone recently. In those 30 years, he has not recorded any Code 5 (illness with pay) absences, a record he carried over from his previous work with Goodyear Aircraft. Flinders helped valve the first process gas into a cell for start-up of the Portsmouth Gaseous Diffusion Plant.

Retirees

Delbert E. Prickett, Fairfield Glade, Tennessee, Industrial Relations Staff, Sr. (D-010), will take early retirement effective February 1, 1984, after more than 30 years of service. He now is taking accrued vacation.

ELECTRONIC MAINTENANCE

Eight-year-old department responsible for highly complex work

By Esther Downey

Any time you read a newspaper or magazine, watch TV or listen to the radio, you will see more evidence of the growing "computer revolution." They have been incorporated into children's toys, dating and education, and eventually could mimic the functions of the human brain and be used as implants to connect directly to nerves and serve as artificial eyes or ears.

Computers are a vital part of our everyday lives — either directly or indirectly. A technological and informational revolution is taking place, and Goodyear Atomic has not been excluded.

In 1975 a decision had to be reached as to whether or not computers on plantsite would be maintained by their manufacturers, or if a high-technology group could be assembled from the plant's hourly force and trained to trouble shoot, calibrate and maintain these advanced electronic systems.

In 1975 the Electronic Maintenance Department (D-713) was formed, and a new Electronic Mechanic classification was established.

The department has nine salary employees — four engineers, two foremen, two technologists, and a senior engineer who also serves as general foreman.

There are 21 electronic mechanics. Eligibility for this classification requires at least five years of electronic equipment work experience and an aptitude for applying trouble-shooting logic to electronic

schematics and translating principles to the maintenance of digitally controlled systems.

Once an employee has been awarded a bid into the department, the hard work begins. The first 13 weeks of a 26-week training program include daily classroom work. Four classes are conducted along with appropriate study time. The classes and instructors are: Basic Electricity and Circuits - Larry Langebrake; Electronics - Ron Miller; Digital Electronics - Joe Deck; Computer Fundamentals - Jim Anzelmo.

After the pre-course basics are 13 weeks of instructor training, consisting of a "hands-on" approach to the electronic and computer equipment.

Many companies contract an outside maintenance agreement with the company they purchase or lease their computers from, but because of Goodyear Atomic's foresightedness and advanced approach to the maintenance of their complicated and sensitive computer systems, a financial gain has been and will continue to be realized in years to come.

An example of benefit is the status of an 18-year-old piece of computerized machine tool equipment. Because of its age, the manufacturer will no longer support the machine, but through the expertise of the department, its useful life has been extended and the device is in peak working condition today.

Computer electronics include hundreds of integrated circuit (IC) boards. Every IC must work in coordination to make the total system operational.

The electronic mechanic's job is to troubleshoot the entire system, investigating and detecting which "player" is not doing its part. This may entail starting with the main computer, extending to a peripheral such as a disk drive, and continuing down to one of the many parts of the ICs. He is expected to repair components down to first level maintenance equivalent to a 25-cent part on a \$300,000 machine.

This department is responsible for the maintenance of the computers and numerical control equipment at the GDP site, with the exception of the DEC-10 system in the X-710 Building, which is maintained by two manufacturer's technicians at the site.

The DEC-10 handles all financial and administrative control systems on plantsite. It is such an extensive network that it affects almost every building on the GDP site.

The electronic mechanics interface with the DEC-10 technicians starting at the X-710 Building and are responsible for repair of all other system components.

Some of the other major computer systems on plantsite maintained by the department include:

*The Special Nuclear Material system of monitors and alarms in buildings where the assay is above 20 percent.

*The Supervisory Control and Data Acquisition system which monitors power usage.

*The Cascade Automatic Data Processor System, which gives up-to-the-minute information on cascade equipment.

*The Plant Badge Reader, which detects any radiation exposure by reading employees' badges.

*Dynamic Material Control and Accounting System (DYMCAS), which is a quality control and security safeguard located at all feed and withdrawal points. The DYMCAS at GCEP is also maintained by the department.

Versatility is a keyword in Electronic Maintenance. Jobs ranging from remedying the ills of a word processor to building a proto-type piece of equipment from an engineer's schematic can be part of a normal workday.

In the X-105 Building, where all electronic and computer equipment is taken for repair, you might find section head Jim Anzelmo having an interchange of information and ideas with his staff, technologists Dave Blanton and Bill Childers giving assistance in the calibration lab, and foremen Doc Overly and Roscoe Wimer providing guidance in a room filled with scaled-down, duplicate models of full-sized computers found on plantsite.

If a new training session is underway, you will find Larry Langebrake, Ron Miller, Joe Deck or Greg Lang teaching classes or giving instructional aid. They and the technologists write specifications, supply test equipment, evaluate spare parts and with the foremen's help, provide parts, information and experience that the mechanic needs to do his job.

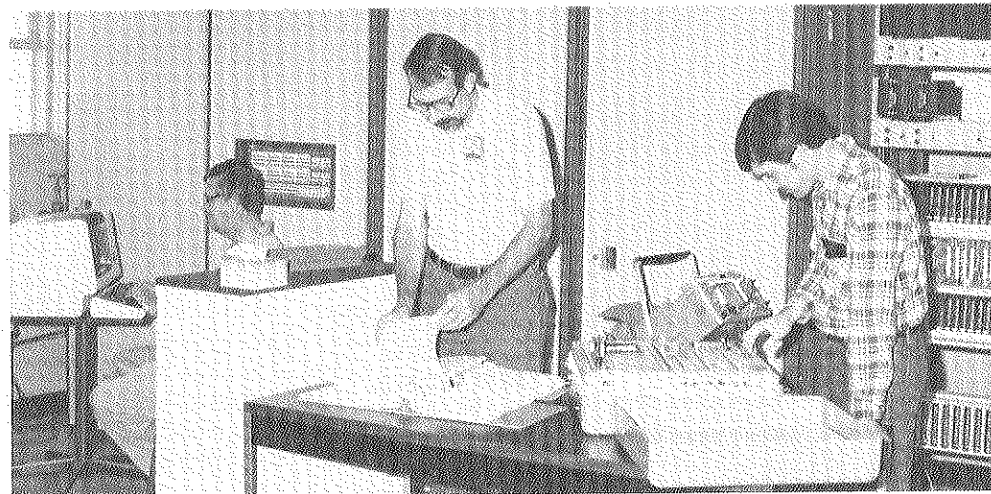
Anzelmo notes that Electronic Maintenance is the only hourly department on plantsite that has a salary non-management workforce and hourly workforce both dedicated to the repair of equipment.

The dedication and pride each person demonstrates in doing the best job possible is reflected in the top quality control on the preservation of plant computer and electronic equipment. Anzelmo summarized the department's work.

"Our goal is to supply guaranteed quality electronic maintenance to the GAT site at a lower cost and for a longer period of time than can be supplied by an outside vendor."

Not only do they manually keep the system functioning, but they think as a sophisticated computer network. The main computer (senior engineer) compiles, correlates, and selects data and communicates this material to the many different terminals (engineers, technologists and foreman), they in turn feed and receive information from the multi-faceted peripherals (electronic mechanics), and they all interface to make it a workable organization.

Members of the Electronic Maintenance Department (left to right) include (first row) Harold Nixon, John Draher, Jeff Crandall, Clint Wolford, Gary Smith, Dave Blanton, Pam Niehaus, Greg Lang, Jim Kidder, Ron Willis, Jim Anzelmo, (second row) Mike Roseberry, Paul Durham, Paul Robb, J. D. Kyle, Jim Kouse, Joycelyn Cope, Paul Morrison, Sam Yerardi, Joe Deck, Richard Vallery, Larry Langebrake, Dave Kemper, Jim Schneider, Roscoe Wimer, (third row) Jack Spradlin, Tom Hammond, George Childers, Ron Miller, Dwight Smith, Doc Overly and Dave McQuay. Electronic Mechanics at work (below) are Paul Morrison, Richard Vallery and Ron Willis.



TECHNICAL SHOWPLACE

New Worldwide Technical Center houses future tire development

With the precision associated with a military invasion, nearly 700 Goodyear engineers and technicians have moved into the most modern, technologically advanced tire design center in the world.

The move, made in one weekend, climaxed a five-year-long \$125 million dollar project that transformed a 67-year-old abandoned tire plant into a tire development center to create products for the next century.

"The Technical Center demonstrates Goodyear's faith in the automobile industry when others are retrenching worldwide," said Fred Kovac, vice president of Tire Technology.

"This dedication to the future puts Goodyear in an enviable position of having on stream the most advanced design workshop in the tire industry just at a time when the auto and transportation industries are rebounding from the effects of fuel shortages and recessions," Kovac said.

The 70,000 square feet of floor space houses both experimental and race tire production and all tire design and engineering functions. It also is linked electronically with Goodyear's European Technical Center in Luxembourg, creating a coordinated worldwide development team.

Experimental and race tire production on the lower three floors of the five-story Technical Center began two years ago, while construction centered on the offices and engineering areas on the upper two floors.

In the architectural marvel Goodyear engineers can conceive, design and have built a tire for the future and literally walk to state-of-the-art testing laboratories on an 83-acre test track to get initial confirmation of the design.

"The goal of the Technical Center is to create a perfect environment and teamwork atmosphere for the development of tires for every transportation requirement of the future," Kovac said.

"The center itself is the 'hardware' of our technical advances," he said. "The move to the Tech Center gives us the opportunity to develop new 'software'."

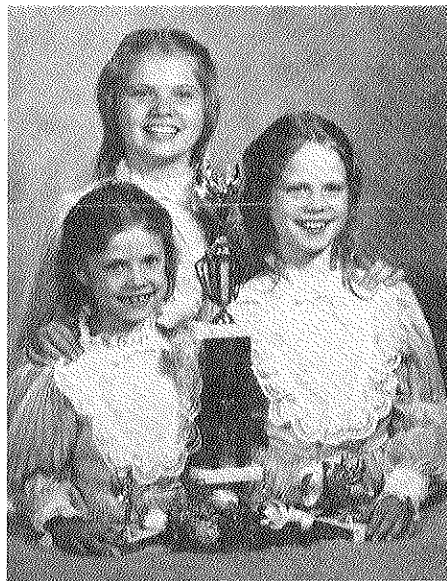
Combining the red brick, turn-of-the-century architecture with five-story-high walls of glass and polished metal has resulted in a blending of old with new.

The lobby with its sloping three-story high glass ceiling is located where trucks once arrived with raw materials alongside grimy carbon black storage towers.

A quarter-acre atrium brings the outdoors inside the center of the upper two floors, complete with ten 16-foot-high trees and huge planters of grape ivy.

Each engineer has a personal work station designed to provide a distraction-free environment with expanded work surfaces, filing space and computer terminal hook-ups.

"Through all of its functional aesthetic aspects, its location, context and special efficiency, the Goodyear Technical Center emerges as one of the truly innovative work environments in the industrial world," Kovac said.



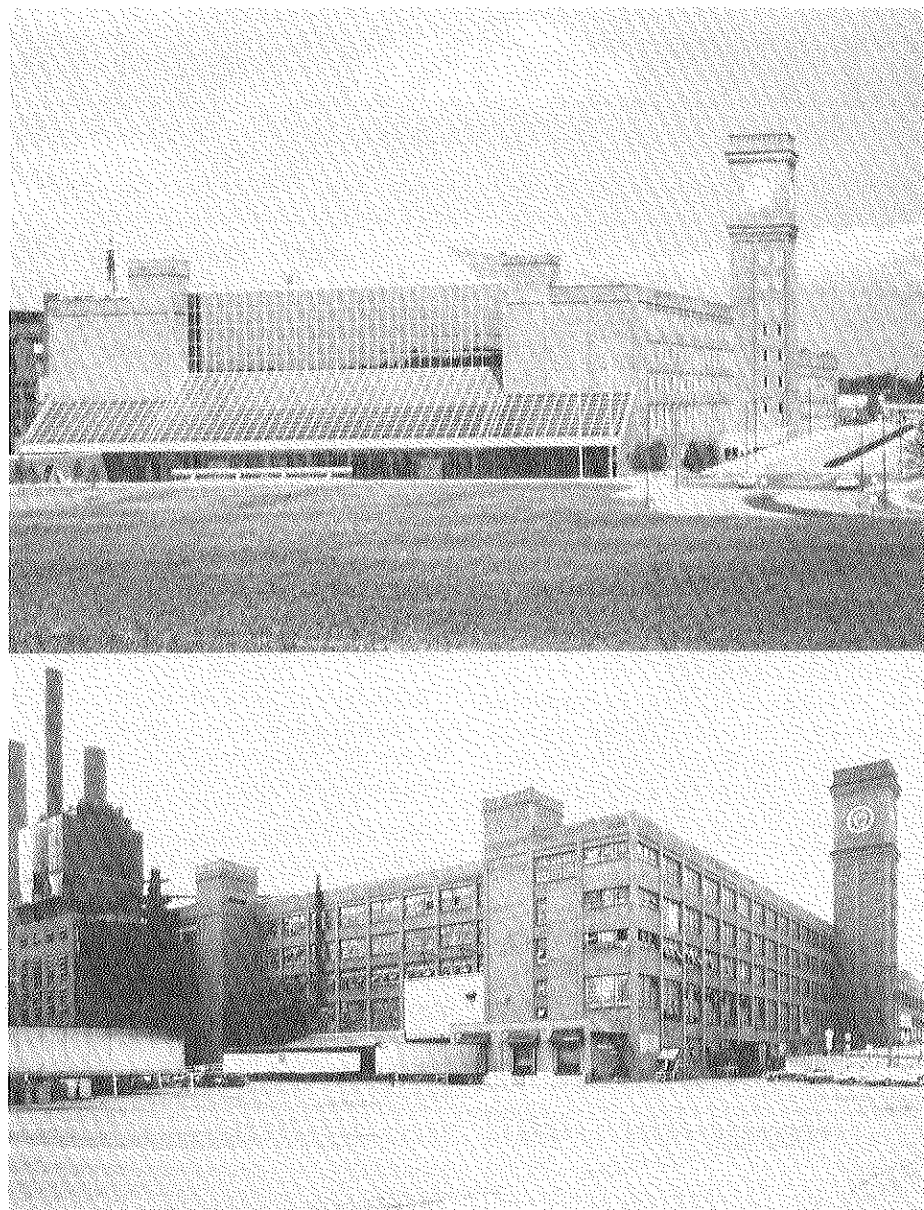
Minford royalty

Kelli Stevens (center), 11-year-old daughter of Police Officer Roy Stevens (D-313), was the 1st Attendant to the queen of Minford's Peewee Football program this year. Roy and his wife, Diana, have two other daughters—Buffy (left), age 7, and Wendi (right), age 9—who were contestants.



Dinner attendance prompts second event

The Chemical Operations first annual holiday reunion dinner Nov. 18 at the American Legion in Portsmouth was attended by 109 people, including present department personnel, employees who have worked in the department and retirees (through special invitation). An entertainment program was organized by department volunteers. Dinner organizer Mike Gill said that based on the positive response of those in attendance, the department is now planning for the second annual event in 1984.



Cost Reduction Honor List

D. M. Penn	D/001
F. J. Weeter	D/110
C. C. Frank	D/206
J. D. Wingo	D/221
D. A. Bihl	D/306
D. A. Hupp	D/313
A. P. Romero	D/376
F. S. Bauer	D/424
S. A. Coffman	D/475
R. E. Cross	D/475
J. C. Jones	D/478
D. E. Poling	D/478
A. L. Salisbury	D/478
P. Trivisonno	D/478
R. D. Sharp	D/479
H. E. Martin	D/512
C. R. Walker	D/512
B. J. Huddle	D/712
R. B. Hutchison	D/712
A. E. Fischer	D/712
J. B. Merrill	D/712
J. I. Newman	D/712
R. L. Miller	D/713
M. T. Sparks	D/724
G. W. Parks	D/730
B. R. Jenkins	D/822
M. D. Wickline	D/826
L. L. Ramey	D/829
E. I. Bibbey	D/842
G. W. Pelfrey	D/842

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