the WING FOOT CLAN

Goodyear Atomic Corporation — *A Subsidiary of* The Goodyear Tire & Rubber Company

Volume 31 | Piketon, Ohio | September 1983 | Number 9

Debbie Underwood and Romaine Newsome passed the required six-part examination recently to earn the Certified Professional Secretary (CPS) designation. The Institute for Certifying Secretaries, a department of Professional Secretaries International (PSI), administers the examination.

Romaine Newsome, Debbie Underwood earn CPS

Two Goodyear Atomic Corporation secretaries are among 1,060 in the United States, Canada, Puerto Rico, Virgin Islands, Jamaica, Malaysia and South Africa who earned the Certified Professional Secretary (CPS) designation this year, according to the Institute for Certifying Secretaries, a department of Professional Secretaries International.

They are Romaine A. Newsome, Secretary IV in Management Control, and Debra K. Underwood, Secretary I in the GCEP Maintenance Engineering department.

There are now seven employees of Goodyear Atomic who have earned the CPS designation. The others are Connie Eckhart, Irma Blakeman, Delores Weber, Elaine Litten and Betty Schwamburger Bihl.

The CPS rating is achieved by passing a two-day, six-part examination administered by the Institute and by fulfilling work and educational requirements. Since 1951, when the CPS examination was first given, 17,257 secretaries have earned the designation.

The recognized standard of measurement in secretarial proficiency, the CPS Examination is given annually in May in more than 250 examination centers. It includes six parts: behavioral science in business, business law, economics and management, accounting, communication applications, and office administration and technology.

The 1983 examination was taken by 5,394 candidates, including 1,983 who took tests for the first time. The states with the highest number of successful candidates were Tennessee (86), Texas (73) and Ohio (61).

Records established for transfer of product to customer cylinders

This summer, the employees of Goodyear Atomic completed the highest number of transfers of enriched product to customer cylinders since the beginning of the Toll Enrichment Program in 1969.

During June, July and August, records were set for one-month (June - 213), two-month (343) and three-month (414) transfers.

Chuck Harley, superintendent, Uranium Operations; Phil Hawkins, production engineer, Uranium Materials Handling; and Wayne Harbarger, superintendent, Nuclear Materials Control, provided notes about the accomplishment.

Actual transfer work and preparation of cylinders for shipment was accomplished by Uranium Materials Handling (D-829), in the X-344 Toll Enrichment Sampling and Shipping Facility.

However, the project required assistance and cooperation from nearly all Goodyear Atomic departments.

"In fact, enrichment and shipment of uranium to utility customers is the essence of our business," Harley and Harbarger noted. "This was a very carefully coordinated, positive accomplishment which personnel from throughout the company worked to achieve."

Groups involved included Maintenance, Production, Nuclear Materials Control, Purchasing & Materials, several departments in Technical Services and others. Nuclear Materials Control is responsible for scheduling and other work relative to the Toll Enrichment Program, while various Technical Service groups are responsible for sample analysis and special work.

"All work was accomplished without incident and with total cooperation among plant groups," Harley stated.

(Continued on Page 2)

For August 1983
GCEP HIGHLIGHTS

*Service modules and associated elements which provide control points and essential support in Cascade 6, Train 4, in the X-3001 Process Building have been turned over to GAT for functional checkout and operation.

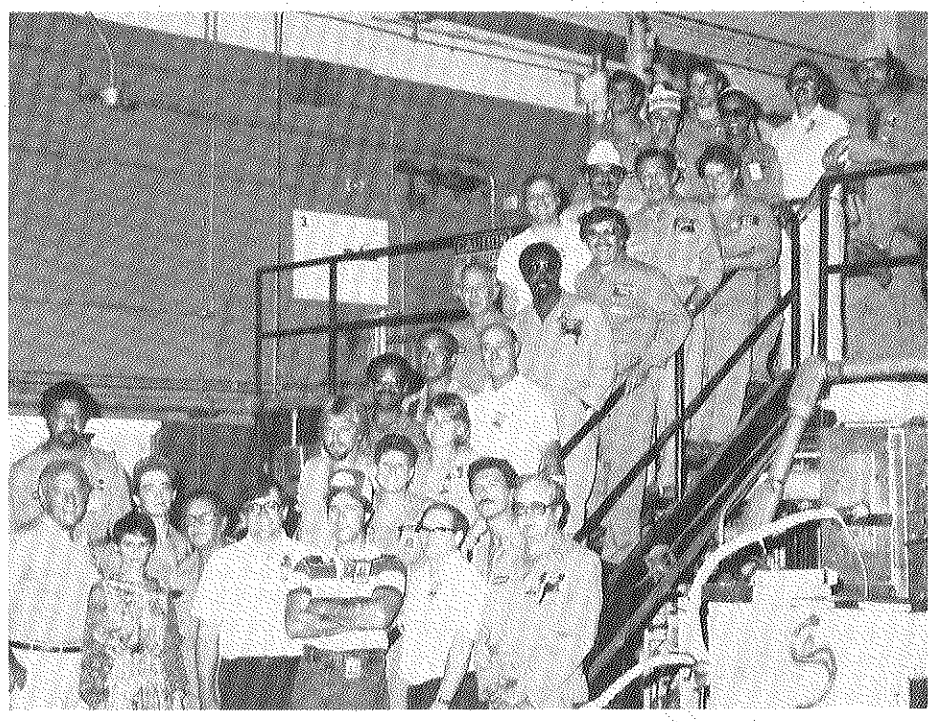
*Rigid mast cranes for Trains 3 and 4 in the first process building have been turned over to GAT. Vendor acceptance testing which required 100 movements of centrifuge casings to pre-determined positions was completed using the crane in Train 3.

*The X-6000 Air Plant/Pumphouse is being operated on a seven-day-per-week, 24-hour-per-day basis to satisfy GCEP facility requirements. The cooling tower for this facility recently passed performance tests at the direction of the Cooling Tower Institute.

*NewCor Industries successfully completed first article evaluation testing on the LPIE (long parts installation equipment) during the first week of August in the R/A Building. The LPIE has been shipped to Goodyear and is currently being installed at the R/A static stands on the 73-foot level.

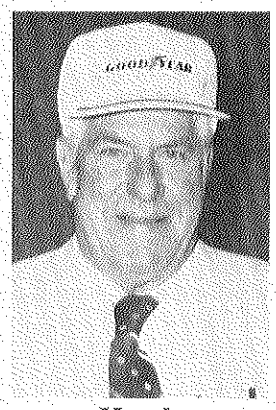
*During August, the X-7725 R/A Maintenance Shop area was turned over to GAT. Maintenance personnel are to relocate, as required, in September.

*Vendor training was conducted on site by Sperry Vickers, Ingersoll Rand, General Electric, Avtron, Pace, Contraves, and Great Lakes Controls for GCEP craftsmen. The craftsmen were instructed on repair of hydraulics, compressors, vacuum circuit breakers, circuit boards, servo controls on static stands, and controls of the X-3001 Process Building HVPCC.



More than half of the annual orders for enriched uranium product from the Portsmouth cascade are filled by Goodyear Atomic during the last fiscal quarter (ending Sept. 30) each year. This summer, a record number of transfers of product to customer cylinders was completed by personnel of Uranium Materials Handling (pictured above). The value of enriched uranium product shipped from the Portsmouth plant through July of fiscal 1983 was $650 million, and will total approximately $1.1 billion by the end of the fiscal year.


Dunlevy


Hawk


Ward

Ohio Valley Electric Corporation promotes two as Ivan Hawk retires

The Ohio Valley Electric Corporation (OVEC), and its subsidiary, Indiana-Kentucky Electric Company (IKEC), have announced the promotion of two officers.

Ralph D. Dunlevy has been elected executive vice president and Thomas N. Ward has been elected vice president for Administration, secretary and treasurer.

OVEC and IKEC were formed in 1952 by 15 investor-owned utilities to supply electrical power to the government's gaseous diffusion uranium enrichment plant at Portsmouth.

Dunlevy has been senior vice president of both companies since 1977, He has also served as vice president and assistant to the president. Dunlevy is a graduate of Purdue University, where he earned a bachelor's degree in electrical engineering, and of the University of Louisville, where he earned a master's degree in business administration.

Ward has been vice president, secretary and treasurer since 1967. He is a graduate of the University of Illinois.

Dunlevy assumes the duties of Ivan O. Hawk Jr., vice president for Operations, who has retired after 30 years with OVEC/IKEC and more than 43 years in the electric utility industry. Hawk served as Operations vice president since 1967.

Dunlevy will report to W. S. White Jr., president of OVEC and IKEC. Plant managers of the Clifty Creek and Kyger Creek plants; the superintendent, Electrical Operations; and the chief, Production and Environmental Engineering, report to Dunlevy.

The purchasing coordinator and the Office Services supervisor report to Ward.

Cylinder transfer records set during June, July and August

(Continued from Page 1)

Most of the transfer work was completed on days, but a lot of shift work was required to keep up, Harley noted. Problem-solving approaches were used by the department personnel themselves to maximize output, determine the best use of overtime, and other factors, Harley said.

Assistance was provided to Uranium Materials Handling by Feed and Feed Sampling (D-822), which completed pre-sampling of product cylinders before transfer to customer cylinders. The work also required an increased rate of feed to the cascade and as well as withdrawal of the product.

The process of shipping enriched uranium to Department of Energy customers begins when product of a specific U-235 assay is withdrawn from the diffusion cascade into a 10-ton cylinder. After pre-sampling, the product is transferred to 2 ½-ton cylinders. In addition to the pre-sample, two others are taken — one for the customer and another to serve as a "referee" in case of disagreement about the purity and/or the assay of the material between GAT and the customer.

From one 10-ton cylinder, two to four customer cylinders are filled, depending on the assay and characteristics of the order.

Hawkins and Harley noted that while all of the customer sampling, transfer and shipping was being accomplished, personnel continued to handle normal tails sampling, completed special purging of 5-inch cylinders to free them up for product, completed normal sample dumping — return of sample material for feed into the cascade or shipment — and other work.

Customer orders come to GAT from the Department of Energy usually several months in advance of shipment, Harbarger noted. It is then up to Goodyear Atomic to fill that order without error according to required material specifications and weight, and to get it out on time.

These shipments are required to meet customer orders which have been contracted for years in advance, and are now due for shipment. Under the Toll Enrichment Program, DOE contracts with customers extend over many years. The customers specify that they want a certain amount of product at a certain time.

"They prefer to take delivery at the end of their fiscal year because of accounting considerations," Harbarger noted. "Therefore, we always have a higher number of orders to fill during the summer — 50 percent of our annual orders are filled in the last fiscal quarter."

"The number of transfers and shipments also should be high in the summer of 1984," he noted.

Sheward named superintendent

C. W. "Buck" Sheward has been promoted to Superintendent, Uranium Operations (D-820). He reports to V. J. DeVito, manager, Production Division, GDP.

Sheward joined Goodyear Atomic in April 1976 as a maintenance foreman. He became a maintenance coordinator in February 1977 and was promoted to supervisor, Maintenance Services, in May 1978. He became supervisor, Utilities Maintenance, in April 1983.

Sheward served from 1960 through 1972 in the U.S. Air Force, where he attained the rank of captain and received several medals and awards.

He was graduated from the U.S. Air Force Academy in 1964 with a bachelor's degree in military science, and from Capital University in 1980 with an MBA degree.

Sheward was listed in "Who's Who in the Midwest" in 1982.

Buck and his wife, Ann, have two daughters and live near Jackson, where he is a member of the Chamber of Commerce and Lions Club.


Sheward

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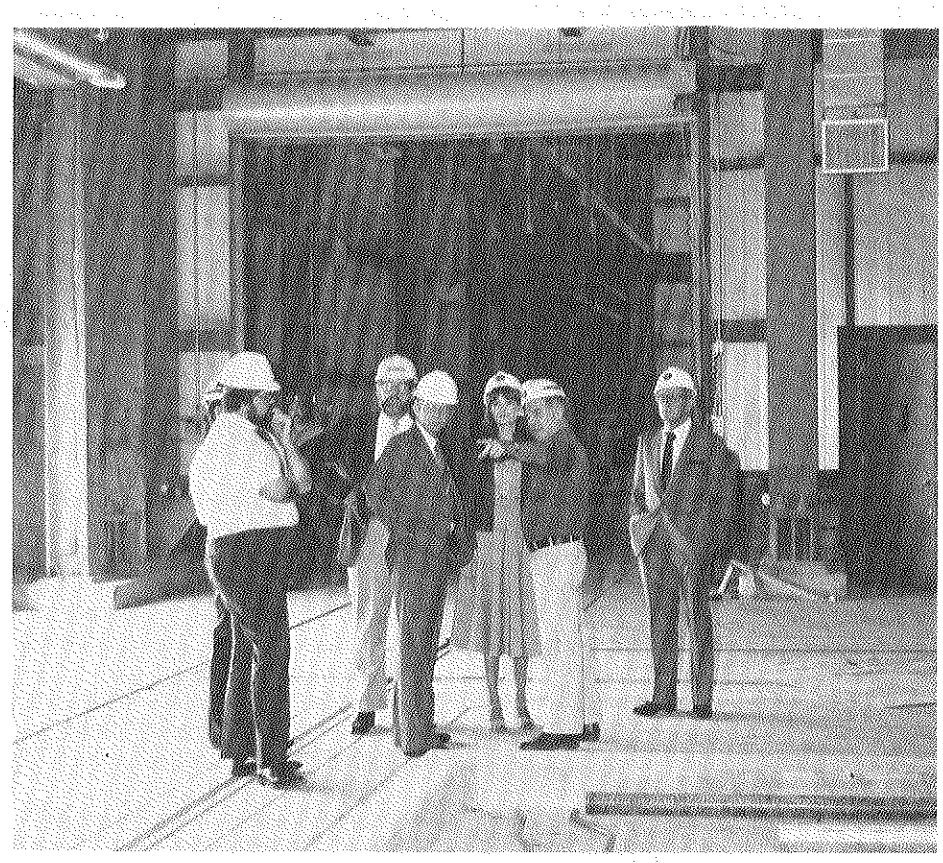
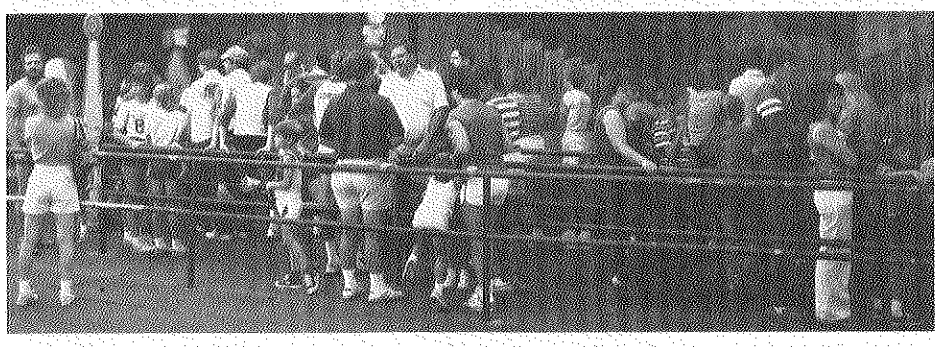


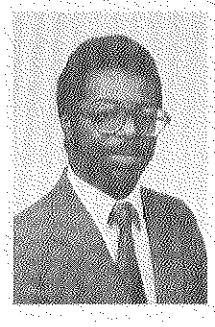
Aaron Edmondson, staff assistant on the House Committee on Appropriations Subcommittee on Energy and Water Development, visited the Gas Centrifuge Enrichment Plant (GCEP) Friday, Sept. 2, for the purpose of reviewing construction progress at the site. Funding for continued construction of the GCEP facility is expected to be the subject of considerable debate in upcoming sessions of Congress. The Department of Energy feels the plant is essential in keeping the United States competitive in uranium enrichment.

Employees enjoy Camden Park

Approximately 4,500 Goodyear Atomic employees and family members attended the annual picnic Saturday, Sept. 10 at Camden Park near Huntington. Adults and youngsters enjoyed the wide variety of rides, games and refreshments offered at the park. A photograph and list of the prize drawing winners at the picnic will appear in the October issue of The Wingfoot Clan.



Horsley



Lewis

Lewis honored

Kenneth D. Lewis, senior engineer in Nuclear Criticality Safety (D-051), recently was awarded a special certificate of recognition by the Ohio Society of Professional Engineers.

Lewis was honored for receiving the highest grade in the nuclear discipline examination for professional registration conducted by the State Board of Registration for Professional Engineers and Surveyors.

Lewis received the award at the Society of Professional Engineers' fall certificate presentation in Columbus on Sept. 24. He took the state board examination in April.

Lewis joined Goodyear Atomic in March 1982. He earned a bachelor's degree in physics in 1971 from Rutgers, a master's degree in engineering from Stanford in 1974, and both a master's degree in applied math and doctorate in nuclear engineering from the University of Illinois at Urbana-Champaign in 1982.

Cost Reduction Honor Roll

J.A. Oppy	D/115
K. R. Strickland	D/183
D. R. Stone	D/206
S. R. Akers	D/411
R. D. Arnett	D/411
L. A. Mossbarger	D/424
R. L. Spaeth	D/511
R. B. Cornwell	D/512
H. E. Martin	D/512
B. I. Page	D/512
B. W. Short	D/512
O. A. Vita	D/512
C. R. Walker	D/512
A. L. Cardenas	D/521
L. A. Zonner	D/523
R. W. Craycraft	D/556
H. G. Terwilliger	D/569
R. G. Peed	D/590
J. I. Newman	D/712
D. L. Wilson	D/712
C. W. Wolford	D/712
P. E. Robb	D/713
G. L. Sanders	D/720
E. F. Reedy	D/723
D. P. Newkirk, Jr.	D/724
J. R. Simmering	D/820
H. F. Hawkins	D/829
R. M. Robinson	D/829

Horsley promoted

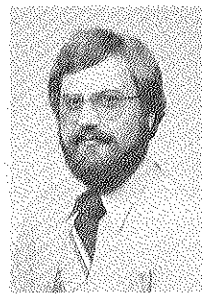
Russell D. Horsley has been appointed Supervisor, GCEP Maintenance, with responsibilities for the Maintenance, Stores and Training Shops (D-175). He reports to Joseph J. Eyre, manager, GCEP Maintenance Division.

Horsley joined Goodyear Atomic in September 1981 as a senior engineer, GCEP Maintenance Engineering.

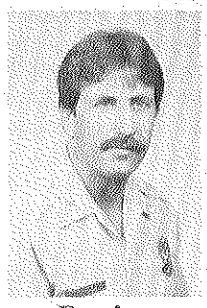
Horsley retired from the U.S. Navy in 1981 after 20 years of service.

He was graduated from North Carolina State University in 1970 with a bachelor's degree in electrical engineering, and from the University of South Carolina in 1980 with a master's degree in systems management.

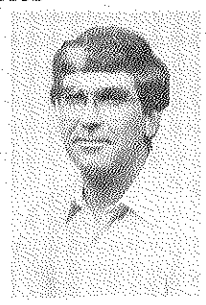
He and his wife, Barbara, have three children and live in Chillicothe.



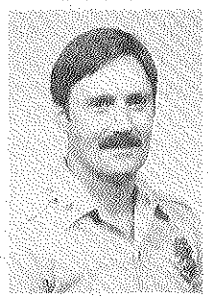
Charles



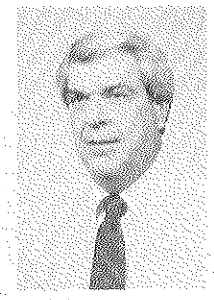
Davis



Harr



Swavel



Hansen

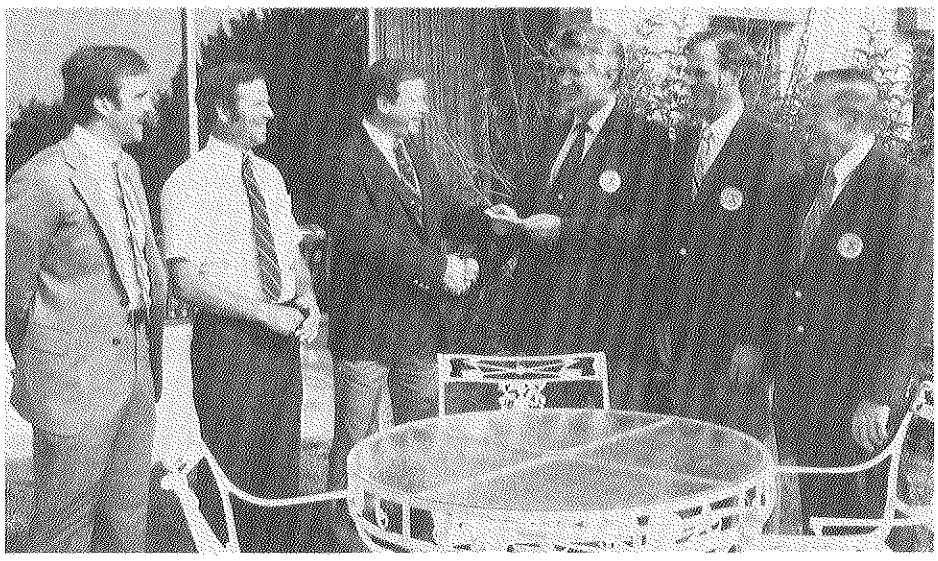
Promotions

Daniel Charles has been promoted to Foreman in the GCEP Production Division. In the CTTF Facility Operations and Training Area, he reports to Reed H. Walters, general foreman and Production training coordinator.

Thomas E. Harr has been promoted to Section Head, GCEP Quality Control (D-591). He reports to Kenneth D. Baldwin, supervisor.

David M. Davis and Thomas R. Swavel have been promoted to Police Sergeant (D-313). They report to Clarence H. Canter, supervisor, Plant Protection Services.

Raymond J. Hansen has been promoted Section Head, Technical Manuals (D-578). He reports to Len Rhoads, supervisor, GCEP Process Systems & Facilities Engineering.



Goodyear Atomic's Top Ten Club has pledged $100 per year over three years and made an additional $200 campaign fund gift to Junior Achievement of Pike County. From left are Don Sabol, JA finance committee chairman; Tony Fish, JA treasurer, Mike Vallery, JA campaign chairman; Bill Greer, president of the GAT Top Ten Club; Doc Overly and Jerry Crandall, Top Ten members.

Top Ten Club provides gift to start Junior Achievement

Goodyear Atomic Corporation's Top Ten Club has opened the Pike County Junior Achievement program's campaign fund drive with a three-year promissory note for $100 annually.

A steering committee of local business and civic leaders has set a 1983 campaign goal of $5,000 to initiate Project Business in county junior high school classes. An additional gift of $200 from the Top Ten Club was made to help defray campaign expenses.

The goal for the next three years is slow, but firm, growth until each junior and senior high school student in the county has a chance to participate in the Junior Achievement program. Project Business programs are being introduced this month in Piketon and Waverly. These will be followed by pilot programs in each school system beginning in January 1984.

The JA program plan was approved by the Waverly City, Eastern, Scioto Valley and Western local school district boards of education during August meetings.

Project Business is a basic economic education and career awareness program supplementing existing school curriculum in the 8th or 9th grade. The classes, dovetailing with social science studies, will relate education to the nation's business today under the free enterprise system.

Project Business prepares students for a high school JA company.

Junior Achievement accepts no local, state or federal funds. Goodyear Atomic Corporation was at the forefront in establishing Junior Achievement in Pike County. William M. Poor, administrative assistant to the GDP plant manager, serves as chairman; while Russ Pierre, supervisor, Nuclear Materials Engineering, is a member of the nominating committee and served as the initial Goodyear Atomic JA Coordinator.

Tires developed for future auto

Aerodynamic tires of the future developed by Goodyear are on Ford's car of the future, the aerodynamic Probe IV. Both are far more than engineering exercises. They are working prototypes of things to come.

Goodyear's new product design group worked directly with Ford engineers for more than a year to develop the futuristic, aerodynamic tires and wheels for the Probe IV.

Using data from wind tunnel tests in Turin, Italy, and working with Ford at Lockheed's wind tunnel in Marietta, Ga., Goodyear engineers developed a tire and wheel package that not only worked on the highway but also reduced aerodynamic drag, one of the prime objectives of the entire Probe IV project.

The result of the development effort was a narrow, high pressure radial tire with an elliptical sidewall. No official name has been given to the tire, but it has been dubbed the "LDC" for low drag concept.

Studies show that auto wheels and tires can account for up to seven percent of a car's aerodynamic drag at steady highway speeds, Goodyear notes.

The LDC tire is a P155/75R16, 25 inches in diameter and 6.2 inches wide. The widest point of the tire is at the rim flange and the sidewalls slope inward going toward the tread which has a width of about four inches. The tire is inflated to 45 PSI.

Since Probe IV has no place for a spare tire, Goodyear also developed a run-flat system for the vehicle.

To offset the inherent harsher ride of high pressure and a narrow tire, Goodyear worked with Ford to develop a unique air strut suspension system.

Future concepts

An aerodynamic radial tire and wheel were developed by Goodyear for Ford's futuristic Probe IV automobile that currently is being displayed at auto shows throughout the world. The tire features Goodyear's unique directional tread design, high pressure and an elliptical sidewall, all aimed at reducing aerodynamic drag and rolling resistance.

Trivisonno reaches 35-year mark

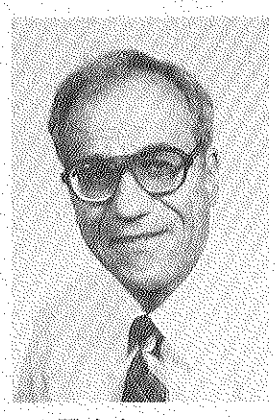
Charles F. Trivisonno celebrated 35 years of Goodyear service September 7.

Trivisonno joined the Goodyear Tire & Rubber Company in 1948 as a research chemist. He came to Goodyear Atomic in 1953 as section head, Uranium Chemistry and was named supervisor, Chemical Analysis, in 1965. He was promoted to superintendent, Analytical Services, in 1982.

Trivisonno is a veteran of the U.S. Army Air Force. He was graduated in 1943 with a bachelor's degree in chemical engineering and in 1948 with a master's degree in chemistry, both from the Case Institute of Technology.

Trivisonno was named to Tau Beta Pi and Sigma Xi honorary science fraternities and is the author or co-author of more than 20 technical journal articles or formal reports on uranium analysis. He is a member of the American Chemical Society and Alpha Chi Sigma chemists' fraternity.

Trivisonno and his wife, Mary Kay, have three children and live in Portsmouth.



Trivisonno

More capacity needed

U.S. electric utilities are not planning enough generating capacity to provide for a secure supply in the 1990s and to phase-out economically obsolete oil- and gas-generating plants. By 1991, utilities will need 112,000 MWe of new capacity to allow for an expected 2.9 percent annual growth in demand, plus 89,000 MWe of new capacity to replace retiring or aging plants. In addition, another 69,000 MWe of new capacity could be used to replace expensive oil and gas-fired stations. The numbers add up to a total need for 270,000 MWe of new generating capacity. However, utilities at present are planning only 200,000 MWe of new capacity and their financial and regulatory problems may preclude construction of even that amount.

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