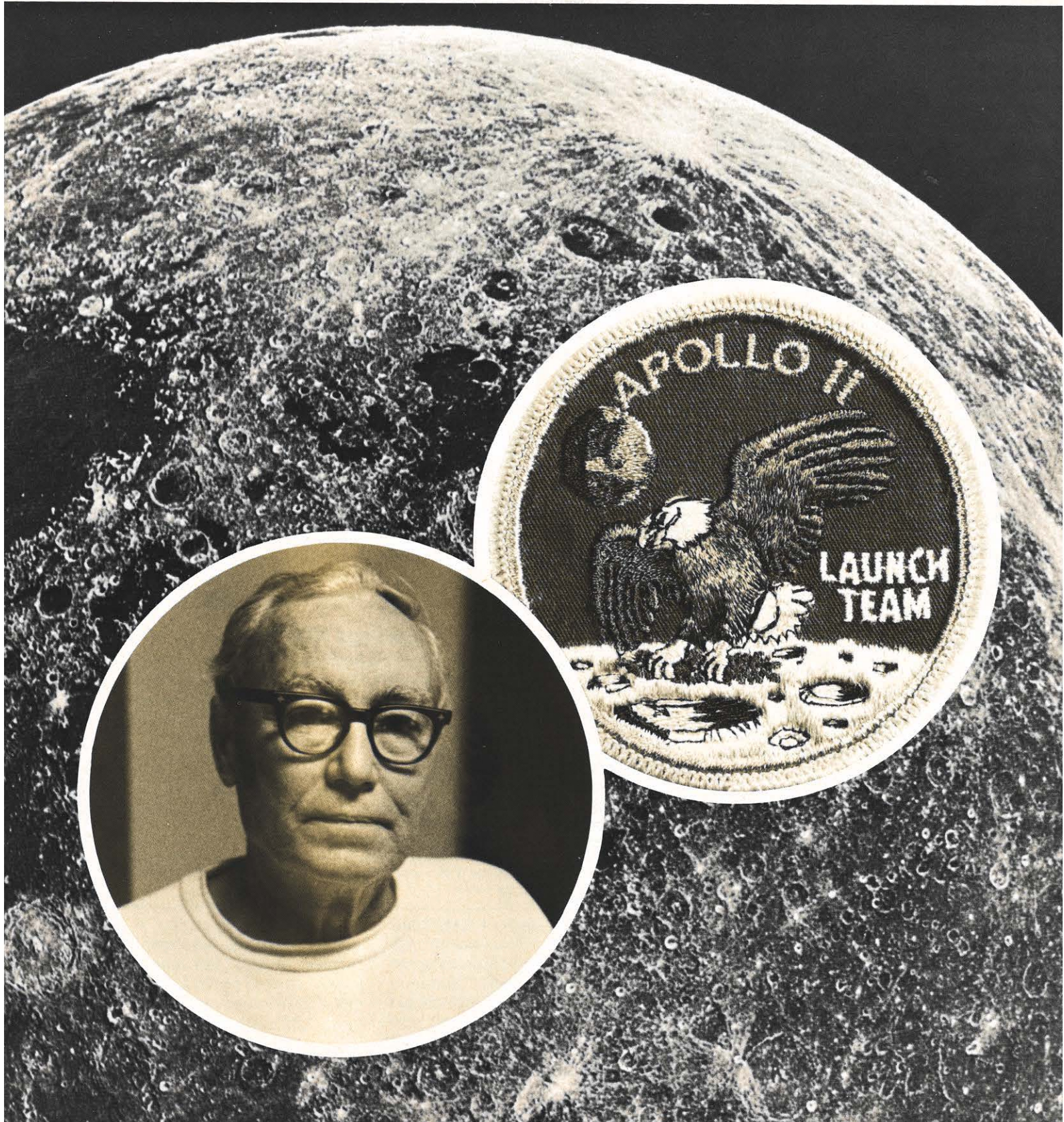


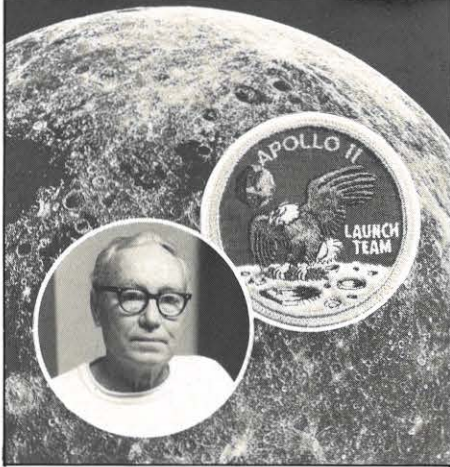
ILLUMINATOR

March 1986



ILLUMINATOR

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Philip Sporn Plant Retiree Jack Sorden was a safety engineer for the Apollo space program during the time of the moon landings. See story on page 10.

Vol. 36, No. 6, March 1986

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The inside story

- 3 Six APCo employees receive "Ideas" awards; Tom Worstell of Amos is top prizewinner
- 4 Update
- 7 Six employees publish in "Operating Ideas"
- 8 Electric heat goes to the dogs
- 10 Jack left his mark on the moon
- 12 One click might save your life
- 14 Promotions
- 15 Retirements
- 17 Friends we'll miss
- 18 Who's news
- 21 Weddings
Births
Anniversaries
- 22 Service anniversaries
- 24 Carson samples life of an astronaut

AEP Savings Plan

Date	Fixed Income Fund		Equity Fund		AEP Stock Fund	
	VPU	UCPD	VPU	UCPD	VPU	UCPD
1/31/6	\$2.3389	.4275	\$3.7117	.2694	\$2.9059	.3441

VPU — value per unit

UCPD — units credited per dollar

HOW TO READ THE ABOVE CHART: The first column lists the days on which unit values are figured; the second shows the market price or value of each unit on that day; and the third indicates how many units you could have bought for \$1 on that day. For example, if the market value or "value per unit" of the Equity Fund were 50¢ on the valuation date (last day of each month), then "units credited per dollar" would be 2.000. This also holds true for the AEP Stock Fund and the Fixed Income Fund.

Six APCo employees receive "Ideas" awards; Tom Worstell of Amos is top prizewinner

Twenty-five employees of five AEP System companies won or shared 18 annual awards for articles published in *Operating Ideas* in 1985. They received a total of 1,500 shares of AEP common stock valued at \$37,600.

In addition, five employees of the Ohio Valley Electric Corporation won four cash prizes.

The winners became eligible for the annual competition as a result of receiving cash awards for articles published during the year in the bi-monthly magazine.

Of the 30 winners, 12 were from the AEP Service Corporation, and they won or shared a total of 660 shares of stock. Appalachian Power Company had six winners, dividing a total of 490 shares of stock. Indiana & Michigan Electric Company's three winners received a total of 240 shares, and Kentucky Power Company's three winners, 90 shares. Columbus and Southern Ohio Electric Company's one winner received 20 shares.

The top prize of 250 shares went to **Thomas W. Worstell**, chief chemist at Appalachian Power's John E. Amos Plant, for his article, "Polyelectrolyte Purification of River Water," which appeared in the March/April issue of "Operating Ideas." He also won 150 shares for another article, "Revised Makeup Condensate Operation," which appeared in the same issue.

Anthony J. Ahern, manager of the Precipitator Engineering Section, Fossil Plant Engineering Division, and currently a participant in the Sloan Fellow Program at Massachusetts Institute of Technology, took the top honor — 200 shares — among Service Corporation award winners. His article, "Restoring Proper Alignment of Precipitator Collecting Plates," was published in the January/February issue.

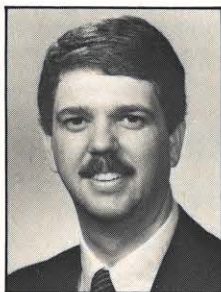
The other winners were:

180 Shares

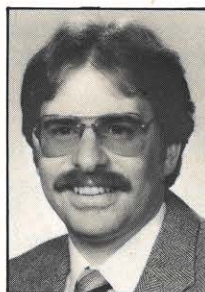
Dennis A. Lantzy (90 shares), manager, and **Theodore L. Bauer** (90 shares), assistant engineer, Turbine Section, Fossil Plant Engineering Division, Service Corporation, "Improved Turbine Efficiency Through Glass Bead Blasting" (July/August).



Worstell



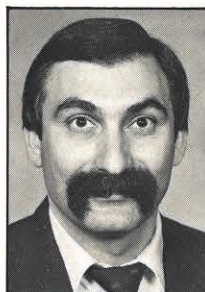
Zickafoose



Capocefalo



Camper



Kazanjian

130 Shares

Michael D. Pesci, meter engineer, I&M, "Converting Manual Test Board to Single Revolution Test" (January/February).

100 Shares

James R. Booker (50 shares), senior engineer, and **Wilho R. Roy** (50 shares), retired project manager, AEP-ASEA UHV Project, Service Corporation, "Continuous Monitoring of Bucket Truck Leakage Current with Alarm" (September/October).

80 Shares

Stephen P. Hodge (40 shares), manager, Turbine and Cycle Evaluation Section, and **Anup Singh** (40 shares), senior engineer, Analytical/R&D Section, Mechanical Engineering Division, Service Corporation, "Modification Helps Stop Reheater Tube Leaks" (May/June).

60 Shares

Woody Bramblett, distribution engineer, Kentucky Power, Ashland, "Checking the Capacitance of Line and Station Capacitors" (September/October).

Thomas W. Kanning, staff engineer, Meter Department, I&M, "Fault Finding on Underground Cables" (September/October).

Thomas F. Weaver (20 shares), Meter Department, Kentucky Power, and **John L. Lauletta** (20 shares) and **Charles E. Jones** (20 shares), both System Measurements Section AEP Service Corporation, "Meter Records Data Entry System" (March/April).

50 Shares

Mike Brown, training instructor, Donald C. Cook Nuclear Plant, I&M, "Electropneumatic Valve Reference Book" (March/April).

30 Shares

Ronald L. Marsico (15 shares), manager, and **Bruce Freimark** (15 shares), senior engineer, Transmission Line Engineering Section, Service Corporation, "Catenary Sag Adjustment Using Added Weights — A Method of Increasing Clearances Without Raising Structures or Cutting Conductor" (November/December).

Thomas L. Jones, senior engineer, Electrical Research & Development Division, Service Corporation, "URD Cable Design, Installation, Repair and Replacement" (July/August).

John D. Lester, performance engineer, Amos Plant, Appalachian Power, "Improved Fly Ash Hopper Heater Controls" (January/February).

John G. Zickafoose (15 shares) and **John D. Capocefalo** (15 shares), performance engineers, Amos Plant, Appalachian Power, "Proper Alignment of Flame Scanners" (March/April).

20 Shares

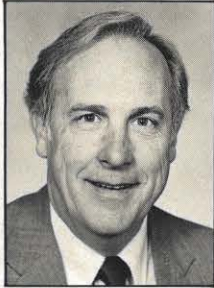
W. Philip Camper, civil engineer, General Office T&D Department, Appalachian Power, "A More Efficient In-Line Structure" (July/August).

Byron E. White, supervisor, General Office Electronic Shop-Meter Department, Columbus and Southern Ohio (continued on page 5)

Four APCo men elected directors



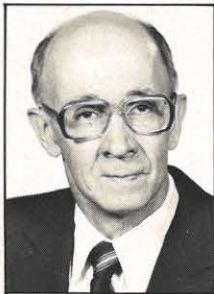
Rhodes



Webster



Taylor



Bennett

Eleven new directors of the AEP Service Corporation were elected at the board's annual meeting February 11. Its membership is 49.

Ten of the incoming directors replaced members ending rotating terms on the board. Four of the eight operating companies follow this procedure for their representation on the board.

The new directors are:

Appalachian Power Company — H.E. Rhodes, Jr., vice president-operations; Robert D. Webster, manager, Roanoke Division; Floyd H. Taylor, Jr., manager, Charleston Division, and James A. Bennett, manager, Kanawha River Plant. They replaced Thomas A. Rotenberry, manager, Beckley Division; Cecil E. Shay, manager, John E. Amos Plant; J.R. Whitehurst, manager, Pulaski Division, and Gene M. Gillock, vice president-operations, who died in July.

Indiana & Michigan Electric Company— Nile D. Richmond, manager, Rockport Plant, and William E. Walters, manager, Breed Plant. They succeeded W.G. "Bo" Smith, manager, Donald C. Cook Nuclear Plant, and A.P. Remillard, manager, Tanners Creek Plant.

Kentucky Power Company — C.R. Boyle

III, executive assistant-accounting, rates and finance, replaced Arthur H. Hill, manager, Big Sandy Plant.

Ohio Power Company — William A. Leuby, Jr., manager, Lima Division; James L. Powell, manager, Canton Division; Everett L. Townley, manager, Cardinal Plant, and A.J. Trawick, Jr., manager, Gen. James M. Gavin Plant. They succeeded M.A. Bailey, manager, Tiffin Division; Carl Goldsberry, Jr., manager, Newark Division; L.J. Hedrick, manager, Portsmouth Division, and D.E. Henderson, manager, Steubenville Division. □

AEP customers set record demand for electricity

Customers of the American Electric Power System — retail and wholesale combined — on February 12 established an all-time peak demand for the use of electric energy.

During the hour ended 11 a.m., the eight operating companies of the AEP System were called upon to furnish 21,056,000 kilowatts to their more than 2.5-million customers, including neighboring utility systems.

The new peak was 1.4 percent over the previous high of 20,762,000 kw set more than five years earlier, on January 12, 1981. In contrast, during all of 1985, demand exceeded the 20-million-kw level only once — just before Christmas.

Bitterly cold weather throughout the East-Central region, affecting both the AEP System and other utilities, was the primary factor behind the new peak. Sales to retail customers during the peak period were relatively high (14,216,000 kw), but wholesale sales to other utility systems were extraordinarily high (6,840,000 kw) at that time. The latter figure is believed to be not only an AEP System record but a record for the electric power industry. □

PAYSOP Plan dividend checks to be distributed

Employees with American Electric Power Company common stock in the PAYSOP Plan later this month will receive a check from Bankers Trust Company, New York, representing the 1985 dividends allocated to their accounts.

In accordance with federal tax law, interest earned on the dividends will be retained in the employees' accounts, but the dividends will be distributed. Dividends allocated to employees' accounts prior to 1985, however, will remain in the trust.

Robert H. Strahan, assistant vice president - compensation and benefits for the AEP Service Corporation, explained that, because of recent tax law changes, the 1985 dividends are being distributed even though the amounts are small. Future dividend distributions will depend upon pending tax legislators, he added.

Record coal use

The American Electric Power System's 18 coal-fired power plants used more coal on February 12 than on any other day in its 79-year history.

The day's consumption of 171,672 tons of coal coincided with the new peak demand for electric energy. In contrast, the System's average daily coal use in 1984 was 105,071 tons.

The new coal usage mark was set despite the fact that both generating units at Indiana & Michigan Electric Company's Donald C. Cook Nuclear Plant were in operation at the time.

How much coal is 171,672 tons? It would fill a train 17¼ miles long!

If the average deep mine coal miner can produce 15 tons a day, the one-day requirement would represent employment for 11,445 miners, plus thousands of others in transportation and other related fields. □

Court upholds federal jurisdiction over interstate energy transmission

A decision by the U.S. District Court for the Southern District of West Virginia (Charleston) on February 14 is a major victory for the American Electric Power System. In it, the court took a firm stand in stating that the federal government clearly has jurisdiction in regulating facilities used for the transmission of electric energy across state lines.

Specifically, the court granted a permanent injunction against the West Virginia Public Service Commission in its denial of Appalachian Power Company's right to recover its costs (estimated at \$1.6 million annually) associated with the AEP System transmission-equalization agreement. That company, under a preliminary injunction previously issued, had been collecting revenues from its West Virginia customers, subject to refund, based on the terms of such agreement.

(The agreement apportions among the AEP System operating companies the total costs associated with the ownership of transmission lines. The apportionment is based on each company's demand relative to the System's total demand, thus bringing each company's investment in the lines into proportion with its use of them.)

In commenting on the decision, A. Joseph Dowd, senior vice president and general counsel of the AEP Service Corporation, said that the ruling was a significant decision in the field of federal vs state jurisdiction in the interstate delivery of electric energy and of major importance not only for the AEP system but for other large interstate power systems.

The court's Judge Dennis R. Knapp ruled that the "PSC does not have the power to deny to Appalachian recovery of its costs incurred under a Federal Energy Regulatory Commission-approved transmission agreement... Denial of cost recovery would in effect nullify an agreement which the FERC might approve as being in the national interest. Control of cost recovery... would stand

as a clear obstacle to the accomplishment and execution of the purposes and objectives of the Federal Power Act."

The court further ruled that the power and authority asserted by the PSC to (1) give or withhold its consent and approval to Appalachian Power to enter into the transmission agreement, (2) to determine whether it was prudent for Appalachian Power to have entered into the agreement or (3) to deny to the company recovery of its FERC-approved costs incurred through this agreement is a violation of the commerce clause of the U.S. Constitution.

The case stems back to January 1985 when Appalachian Power, together with American Electric Power Company, its parent, and four other subsidiaries — Columbus and Southern Ohio Electric, Indiana & Michigan Electric, Kentucky Power and Ohio Power Companies — sought relief from a West Virginia PSC order denying Appalachian Power permission to recover such costs. The PSC had denied the increase on the grounds that, under a state statute, it first had to approve the transmission agreement and determine whether the related costs were prudent and, therefore, should be included in Appalachian Power's rates. Citing the Federal Power Act, the companies contended that the state commission had no jurisdiction over any aspect of the agreement covering interstate transmission.

The companies' suit in the Charleston court had asked for preliminary and permanent injunctions. The preliminary injunction was granted but then was stayed pending resolution of certain issues by a higher court. The stay later was lifted by the same court in August 1985 after a higher court — the U.S. Court of Appeals for the 4th Circuit, Richmond, Virginia — affirmed the correctness of the lower court's granting of the preliminary injunction. Then, in September 1985, the FERC reasserted its jurisdiction in the matter and, in effect, strongly ruled in favor of the AEP System's position that state public service commissions have no jurisdiction to decide whether electric utilities may enter into an interstate transmission agreement such as AEP's. The company forwarded the FERC ruling to the district court while it awaited the court's decision on the permanent injunction. □

Six APCo men to attend OSU

Six men from Appalachian Power Company are among the fifty-four System employees selected to attend the 1986 American Electric Power System Management Program at The Ohio State University from April 14-May 9.

The APCo attendees are: Gary H. Jones, Philip Sporn Plant maintenance superintendent; E.L. "Skipp" Kropp, environmental affairs director, GO Environmental Affairs, Roanoke; James M. Perry, labor relations supervisor, GO Personnel, Roanoke; Robert N. Sanney, Williamson area manager; Charles D. Weaver, assistant manager of Mountaineer Plant; and Joseph L. Weddle, assistant transmission and distribution superintendent of Pulaski Division. □

"Ideas" winners

(continued from page 3)

Electric, "High Confidence Electric Meter Accuracy with Unique Triple Standard System" (May/June).

C. Richard Lovegrove (10 shares), public affairs director, Kentucky Power, and **Gary M. Kazanjian** (10 shares), video services coordinator, General Office Public Affairs, Appalachian Power, "Live-Line Maintenance Training Enhanced by Video Tapes" (March/April).

Bauer and Lauletta are no longer employees of the Service Corporation.

Four cash prizes were awarded to five employees of OVEC:

Kenneth L. Fitz, maintenance supervisor, Clifty Creek Plant, "Studless Roof Tubes Aid Deslagging" (September/October) — \$1,500.

H.E. Thomas, maintenance supervisor, and **G.R. Whittington**, unit supervisor, Kyger Creek Plant, "Coal Feeder Plug-gage" (January/February) — \$1,000.

L.D. Cleland, maintenance mechanic A, Kyger Creek Plant, "Induced Draft Fan Lubrication" (January/February) — \$500.

R.E. Burton, maintenance mechanic A, Kyger Creek Plant, "Sight Glass Saves Bearing" (January/February) — \$400. □

Four AEP companies to redeem securities

The four largest AEP System operating companies last month announced plans to make partial redemptions, on May 1, of 10 issues of securities totaling more than \$64 million.

Six of the redemptions involve first-mortgage bonds totaling more than \$49 million. Three involved \$9.5 million of preferred stock, and one, \$7.5 million of preference stock. They are:

Appalachian Power Company will redeem \$45 million, or approximately 57%, of its \$79 million of 14% bonds (due 1992) outstanding. This is being done under terms of the mortgage indenture under which the series was issued, which permits the company to redeem bonds with certain funds deposited with the trustee under the mortgage. Appalachian Power also will redeem portions of two preferred stock issues: \$4 million (10% of its 1.6-million outstanding shares) of \$2.65 preferred stock, and \$4 million (10% of its 1.6-million outstanding shares) of \$3.75 preferred stock.

Columbus And Southern Ohio Electric Company will redeem \$5,483,400 (10% of its 548,342 originally outstanding shares) of \$15.25 preference stock and \$1.5 million (10% of its 600,000 originally outstanding shares) of \$3.75 preferred stock. The company also will redeem \$800,000 of its 16% first-mortgage bonds due 1991 and \$650,000 of its 15% bonds due 1994.

Indiana & Michigan Electric Company will redeem portions of two first-mortgage bond issues: \$400,000 of its 15% bonds due 1991 and \$1 million of its 16½% bonds due 1992.

Ohio Power Company will redeem \$1.2 million of its 16½% first-mortgage bonds due 1992. □

APCo places first in sales competition

For the second consecutive year, Appalachian Power's Marketing and Customer Services Department captured first place in American Electric Power's Constructive Marketing Program Presidents' Race. The Appalachian achievement represents 36.3 percent of total sales on the AEP System.

Appalachian Marketing employees achieved over 175 percent of assigned goal to claim the gold. All nine divisions exceeded 100 percent of their assigned goals, and seven divisions achieved sales in all marketing categories.

Ohio Power took the silver second place in AEP competition; Columbus & Southern Ohio Electric, the bronze third place; and Indiana & Michigan Electric, fourth place. Kentucky Power finished fifth, Wheeling Electric, sixth; Kingsport Power, seventh; and Michigan Power, eighth.

Kingsport Power achieved 154.1 percent of its heat pump sales goal — the highest of all operating companies.

In Appalachian Power Company's internal competition, Abingdon won the top division award for the best overall marketing performance in 1985. Abingdon was in first place nine out of twelve months.

The Bluefield Division received the Strong Finisher Award by achieving 816.80 percent of its November/December goal. All nine divisions in Appalachian surpassed their goal for the last two months of the year.

Lynchburg Division had the highest electric heating saturation, 90 percent, in new housing completions for 1985.

Marketing and Customer Services Director Glenn Reynolds said, "We have an outstanding group of marketers who take pride in giving more than 100 percent every day of the year. With persistence and determination at all levels, our employees aggressively sought every opportunity to meet and exceed their goals. They are to be commended for their commitment to excellence." □

Neighbor donations lagging behind 1985 collections

Contributions to help needy customers pay their electric bills through Appalachian Power's Neighbor-to-Neighbor Program are lower than at the comparable point in time last year.

As of February 20, 7,170 Appalachian customers had contributed a total of \$64,480.11 to the Neighbor-to-Neighbor Program. Company stockholders matched those donations, bringing the total to \$128,960.22. Last year at this stage of the program, a total of \$154,364.63 had been collected.

Contributions to the program, which are tax deductible, will be accepted through March 31. The disbursement of funds is being administered by the West Virginia Department of Human Services and the Virginia Department of Social Services. All contributions will be used to assist needy customers. Administrative expenses will be paid either by Appalachian or the state service organizations. □

Annual meeting set for Fort Wayne

The annual meeting of shareowners of American Electric Power Company will be held in Fort Wayne, Indiana, for the first time.

The meeting will be held in the Whistler Ballroom in the city's new Grand Wayne Center, a convention complex, on Wednesday, April 23, beginning at 9:30 a.m.

Fort Wayne is the eighth city to host the AEP annual meeting and the second in Indiana. The 1981 session was in Marion. □

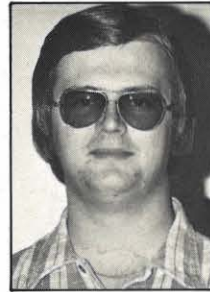
Six employees publish in "Operating Ideas"



Matthews



Bowers



Blankenbeckler



Hurd



Gilmore



Ellison

The innovations of two Kingsport Power and four Appalachian Power employees were highlighted in the November/ December issue of **AEP Operating Ideas**.

J.L. Bowers, Abingdon automotive mechanic A, described how to modify a transmission jack for working on differentials. The new method enables one mechanic to do the work of two and, at the same time, eliminates a potential safety hazard, and lessens the possibility of damaging the differential itself.

Ralph Matthews, Mountaineer Plant yard superintendent, de-

scribed a housing to protect coal chute wobble switches. The assembly eliminates wear and tear on the equipment, and downtime is reduced since bouncing coal no longer creates a nuisance trip.

J.D. Blankenbeckler, service clerk; **C.L. Fluce**, former drafter B; and **Diana Hurd**, customer service clerk, all of Kingsport Power, collaborated on a more efficient way to maintain a record of customers who depend on uninterrupted electric service to operate life support systems.

W.G. Gilmore, Clinch River Plant shift operating engineer, told about

the relocation of burner thermocouples to provide a more reliable early warning of burner tip troubles. With the early warning, the coal feed can be shut off and the plugged tips purged with primary air. This new method is expected to save more than \$57,000 annually.

Susan Ellison, Bluefield T&D clerk C, was a stenographer in Indiana & Michigan's South Bend Division when she submitted the idea of printing a safety message on the outside of paycheck envelopes. I&M implemented her suggestion, and each time a new supply of envelopes is printed the slogan will change. □

ELECTRIC HEAT



goes to the DOGS

Electric heat has gone to the dogs in Cross Lanes, West Virginia, and both Appalachian Power and Tri-State Greyhound Park crossed the finish line as winners.

The park, which began operation last year, includes an enclosed 125,000-square-foot grandstand and 20 kennels. The grandstand has 154 teller windows

and a seating capacity of 7,100 spectators. The park can house 1,080 performers, 54 dogs in each of the kennels. The quarter-mile oval track is open 6 days a week, featuring 13 evening races with 8 dogs in each. The dogs, which cost between \$30,000 and \$50,000 run only one time every few days.

The track was constructed especially

for dog racing. The rail which carries the rabbit lure that the dogs chase has 286 kilowatts of electric trace heating to keep the rabbit moving in the cold winter months. Greyhounds reach speeds of up to 40 miles per hour on the banked track that is surfaced for speed and heated to prevent icing, which allows racing all year-round.

The park owners originally proposed to install a natural gas-fired hot water heating system in the track to prevent the icing that would cut the dogs' feet. During a meeting with the owners to discuss electric service to the facility, Charleston Power Engineer Bob Bradshaw discussed the advantages of thermal storage (deepheat) compared to natural gas heating. The high cost of natural gas heating equipment and miles of piping enticed them to consider an alternate method of heating.

Bob relates, "After obtaining the necessary load data from the customer, we estimated the demand would be 1,500 kilowatts. We advised the customer that he would realize a savings in electric rates by (1) taking service at the primary level; (2) providing his own transformation; and (3) electing to be billed under our Large Capacity Power rate (LCP). Since the LCP rate has a high demand charge and a low energy charge, this set the stage for talking to the customer about electric thermal storage.

"We then made an analysis to compare the operating costs of on-peak resistance heat versus the off-peak electric thermal storage system. When we told the customer that he could save nearly \$18,000 per year and still prevent icing and wet track conditions, he was convinced to install the electric thermal storage system."

Bob continues, "The customer used the deepheat method of installing the heating, which requires the cable to be 18 inches beneath the surface of the track, at a rate of 12 watts per square foot. Approximately 75 percent of the heat from the cable is conducted upward and 25 percent downward until it reaches the average yearly temperature of 50° to 55° F, which is found about 5 feet beneath the surface of the ground throughout the world. This results in a giant heat storage area, which may be replenished during the off-peak hours to compensate for heat loss occurring over any portion of a 24-hour period, thereby benefiting from the most economical electric rates."

Bob points out that there are several advantages of deepheat. It takes up no valuable space, the surface of the track can be conditioned daily without damaging the heating system, and the mats are



Bradshaw

completely protected from physical damage. No maintenance is required, and gentle warmth is evenly distributed throughout the surface. And, it permits the storage of large amounts of off-peak power, enabling the customer to take advantage of off-peak electric rates.

Bob adds, "The walls of the track were built four feet below the track surface and insulated with two inches of rigid insulation to reduce side heat loss. The customer had a mountain of sand located on the property that was used as backfill. The cost of the deepheat reservoir was \$35,000, which would give a payback in less than two years with demand charge savings alone — based on an annual savings of nearly \$18,000. A polyethylene cover with a moisture vapor barrier will be installed when the track is not in use to cut down on heat loss while heat is being replenished during the off-peak

hours when electrical rates are the lowest.

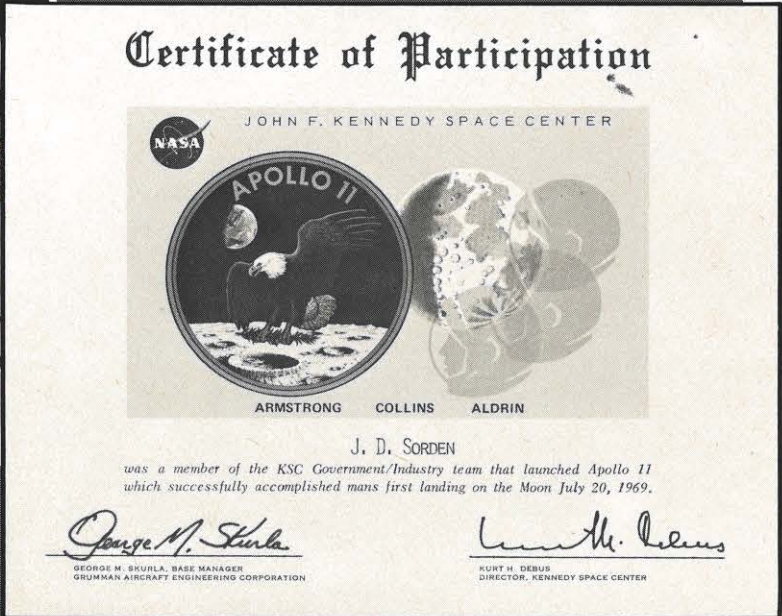
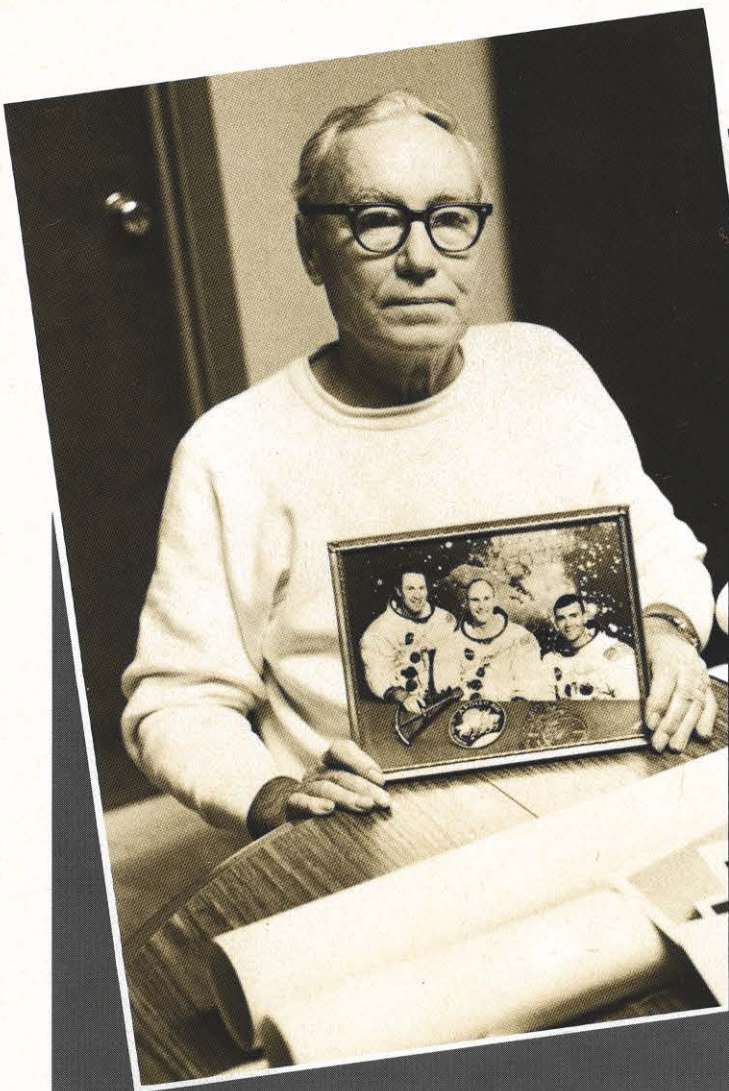
"Four custom-made thermostats have a clock override that prevents the system from going on during the day or during the night events. There is a control panel in the maintenance building that shows the temperature at four locations. Each thermostat governs only its own part of the track, allowing the portion of the track with the most shade or the most frost to get the most warming. Automatic controls will be added with an outside anticipator to automatically advance and retard track temperature according to the outdoor temperature.

"We installed a load monitor meter on this facility to give us a profile of the customer's load. The load will be recorded each half hour, and it will tell us how much and what time we can store the heat. This profile will help us fine tune the system."

Bob concludes, "Off-peak thermal storage using the deepheat method is an idea worth consideration. Deepheat thermal storage could reduce customers' electric costs from 25 to 50 percent over a conventional electric system as well as the size of switch gear, size of transformers, and demand charge. And it's beneficial for Appalachian by reducing the cost of local facilities while increasing the efficiency of our existing generating plants and delaying the need for new generation."

Bob was a winner in the 1985 Southeastern Electric Exchange marketing awards program for this installation and presented a paper at the SEE conference in Baltimore, Maryland. □





Jack left his mark on the moon

Jack Sorden's name probably will never be recorded in history books, but it may someday be viewed by astronauts or other people venturing to the moon.

Jack, who recently retired from Philip Sporn Plant, was a safety engineer with Grumman Aerospace at Kennedy Space Center during the Apollo space program. When Apollo 11 astronauts Neil Armstrong and Edwin Aldrin landed on the moon on July 20, 1969, a paper attached to one of the wheels of the lunar module carried the signatures of all those who were a

part of the launch team. Jack has a copy of the paper, which was left on the moon, among his souvenirs from the Apollo program.

Other mementos are decals designed personally by each team of astronauts, medallions containing medal from the spacecrafts of the Apollo 8 and 11 missions, and a scrap of the exterior covering of the lunar module (which looks and feels like tinfoil). His most prized possession is a certificate signed by Astronauts

James Lovell, Ken Mattingly, and Fred Haise. It reads, 'To Jack, for extending himself past just the safety aspects and making it all work.' Jack relates, "So far as I know, I was the only person to receive a certificate like this. I was quite surprised and pleased!"

Like every other American, Jack was stunned — and deeply hurt — by the shattering explosion of the shuttle Challenger on January 28. Although he has been a Sporn employee for the past twelve years, Jack closely follows the space program and has friends who still work at the Cape. "I saw one of my good friends, Jim Lind, on television, helping the astronauts get into the space shuttle," he notes.

"When I was working with the Apollo program, I often wondered what I would do if some catastrophic accident happened. You don't really know what you would do — because you know you have done the best job you could. If we ever had any suspicion at all that something wasn't right, there was no way we would let them go up. Everything is controlled by computers; and, even at T minus 3 seconds, the liftoff could be aborted if necessary."

Jack was a supervisor at Pratt & Whitney Aircraft when RL 10, the world's first hydrogen-fueled rocket engine, was developed. The RL 10 powered NASA's Centaur upper-stage rocket which, in combination with Atlas and Titan booster rockets, launched an array of spacecraft to investigate the moon and the planets. "I remember when the original team of astronauts came out to watch the launch of the RL 10 rocket engines on test stands," Jack says.

"I had worked at Pratt & Whitney about ten years when I was asked to become a safety engineer with Grumman on the Apollo program. Grumman was in charge of the lunar module. At that time, the contract for the lunar module was the largest single contract ever let by the government. It was our job to see that everything was done safely, including the fueling.

"As a member of the lunar module hypergolics loading team, I had to wear a SCAPE suit (self-contained atmospheric pressure ensemble) similar to those worn by the astronauts in space. The suit was completely life-sustaining and equipped with a microphone. We had to be qualified to put on the suit. Some people couldn't wear one because they were afraid of being closed in. If you couldn't put the suit on, you couldn't be on the team.

"We did each one of the launches in phases. We loaded the fuel on 30 days prior to launch. Then we had to load the explosive items. We had to stand on rubber mats and make sure that the mats were not conductors. Each of the explosive devices was checked out to see that it wasn't shorted.

"When we were working in the SLA, we had what was called 'cookie cutters' at various places. If anything happened while we were in there, such as a ruptured fuel line, we could press a button and a hole would be cut automatically so that we could escape. One of the things we had to do each shift was check to see if the cutters had power.

"Another thing that had to be done each shift was vacuum the lunar module. Everything that was vacuumed up had to be analyzed. They were looking

for dirt so that space wouldn't be contaminated. Most of what they found was whiskers and hair."

"Whenever something had to be changed out, the old part and the new part were weighed to make sure there was no difference. They always knew exactly how much the spacecraft weighed at liftoff."

"We pulled a vacuum in one of the chambers in the Manned Space Craft Operations Building so that the astronauts could make a simulated run to the moon and a landing before the actual event.

Jack adds, "We also had a lot of work to do after a launch. We had to flush out all the equipment that was used to load the hypergolics with alcohol and blow it dry with air. That was quite a big job. If I remember right, it took about three days to clean up afterward.

"One of the biggest thrills I ever had was listening to the astronauts on the headset and hearing 'the Eagle has landed.' We felt exuberant. You just can't imagine."

Jack concludes, "When the last vehicle was launched in the moon program, that was the end of my job. I knew the job wouldn't last forever, but it is something I wanted to do. I believe that it is necessary to send people out into space. The only way we can get a space lab is to have people go up and put it together. I would go up in the next shuttle myself if I could.

"One of the fellows who was a pad leader when I worked at the Cape wrote a poem I'd like to share. It really expresses how everyone connected with the moon program felt.

Flight To The Moon

*Twas in '69 on a nite in June,
They were loading the LM for a trip to the moon.
The troops were tired and covered with sweat,
But they'd load the LM, on that you could bet.
The weather got bad: rain, lightning and wind,
The SCAPE crews drank coffee and all stayed in.
The weather hold lengthened, no work could be done.
The card games got bigger, the crew had their fun.
Then the weather cleared and the fun began,
And the wheels in the ace room, in circles they ran.
They wanted all troops into action right now,
They only cared when, they didn't care how.
The leaders were all being called by name,
If the troops didn't get there on time 'twas a shame.
Now Dutch, now Darrell, now Walt, now Art,
Suit up your troops and let them depart.
The troops got suited and went up on the stack,
They'd lost lots of time but they'd pick up the slack.
They went right to work with no indecision,
A soft bed at home was their greatest vision.
The task was completed, and the crew came down.
Smiles and joy had replaced all the frowns.
They had completed their task and done it well,
But they were too tired for their heads to swell.
The LM had the fuel for its historical flight,
and the troops at the pad had done it just right.
Each man felt good as he left the pad,
He knew he has one of the best Grumman had.
When the LM touched down on the moon and returned,
A trip to the moon for which all yearned,
A handful of guys would know deep in their hearts,
How important it was that they all did their part.*

How often have you encountered drivers who simply ignore the rules of the road? Every day, traffic signals, stop signs, and speed limits are overlooked by daydreaming drivers. Sometimes a seat belt is the only thing between a little fender-bender and a mouthful of loose teeth — or worse. Face it — being a good driver is just not enough!

For years, Appalachian Power Company's safety manual has mandated: *Seat belts, and shoulder straps where available, shall be used by drivers and passengers in company vehicles*



Full

had finally stopped and we were relieved. Without warning, the car slid the bank and turned over on its top into the creek. The violent current of the swollen creek carried us several yards downstream before the car became lodged against a fallen tree.

"I can remember vividly the two of us hanging upside down, secured by our seat belts. We both were unharmed. After helping each other out of our safety belts, we attempted to get ourselves oriented in the dark, upside down vehicle. Soon realizing we could get out neither door — one side was against the fallen tree, the other against the current — we decided to try to get out through the back hatch. I fumbled to find the automatic hatch release in the glove compartment while Jeff made his way to the back of the car. As I hit the release button, my husband pushed

One **CLICK** might

whenever the vehicle is in motion on a public or private thoroughfare or roadway.

"This rule was made for the good of our employees," says Safety Manager Doug Forbes. "It is the company's concern that all employees work safely, and using proper safety equipment is one of the ways to accomplish this.

"Last year our employees drove 21,888,247 miles. We experienced 157 automotive accidents, 72 of which were preventable and 85 which were not. This means that our employees were at the mercy of other drivers more than half the time. If we are prepared by using the proper safety equipment, we can at least reduce the severity of the accidents even if we can't prevent them."

Forbes concludes, "We believe that the use of seat belts can and does save lives. Experience has proved that over and over. But don't take my word for it. Read on for personal accounts from three employees who survived some serious accidents."

Tanya Full, Huntington marketing and customer services assistant, recalls, "It was a Tuesday afternoon in February of 1984. It had been snowing all day, and the weather was bitter cold. It was not a day to be traveling. However, my husband Jeff needed to drive to St. Albans to pick up software for his office computer, so I thought I'd go along for the ride in our new Mercury Lynx two-door hatch back.

"We were approaching a curve about a mile out of town when, suddenly, the car started to slide out of control. The car made one complete turn and stopped at the very edge of the creek bank. Our hearts were pounding, but the car

against the hatch back. Immediately the car began to fill rapidly with dark, ice cold creek water. By the time Jeff was able to get the hatch open wide enough to make an escape, the back glass shattered and the car completely filled. Terrified, as the water rose above my head, I struggled to free myself from between the car's bucket seats.

"The next thing I remember, Jeff was pulling me up out of the water by the hood of my sweatshirt. Stunned and half frozen, we made our way onto the bank and looked back to see only a portion of the rear wheels visible above the rushing, murky water. Fortunately,

as we approached the road, a man in a pickup truck stopped to help us. We were quite fortunate to walk away from the accident with only a few minor cuts and bruises. My only major complication from the accident was a bad case of bronchitis.

"We now realize we took an unnecessary chance that day and had no business on the roads in such bad weather. However, despite our foolishness, our lives were spared by the grace of God and the use of automobile safety belts. Because we were secured by our seat belts, we remained conscious and were able to plan our "escape" before it was too late.

"My father, Perry Jones, area director for OSHA in West Virginia, is an avid believer in seat belt safety. My sister and I were made to wear seat belts from the time we were toddlers. When I

fastened my seat belt that day, it was not a spur-of-the-moment decision but rather a matter of habit — a life saving habit!"

Dale Fisher, hydro maintenance supervisor at Smith Mountain relates, "My accident occurred in late June of 1983. I was in a company pickup truck and had stopped at an intersection behind three buses. I heard a noise, looked in the rear view mirror, and saw a fourth bus approaching. It was obvious that the bus would not be able to stop in time, but there was no place for me to go.

"The bus rear-ended the pickup and pushed me about 12 feet forward into the bus in front of me. The result of the crash was the total loss of my truck and two buses out of commission — one with front-end damage and the other with rear-end.

Just two days after Christmas in 1983, Billy Lee, express driver in GO General Services, Williamson, set out on his nightly rounds. He recalls, "The road was covered with snow and ice, and it was raining, making the surface very slippery. The right rear wheel of the station wagon dropped off the snow-covered berm; and, when I tried to straighten up, the wagon went out of control. It skidded across the road, down the creek bank, and turned over five or six times before landing upside down in the creek. The seat belt was a life saver. It held me in place, or I would have gone out of the side glass. The wagon, of course, was a total loss.



save your life

"I am a one hundred percent booster of seat belts. I tell everyone to buckle up. Prior to this accident, my wife and I were involved in one in our personal car. I wasn't hurt because I had on my seat belt. She didn't, and her nose was broken when her head hit the window."

□

Lee

Fisher

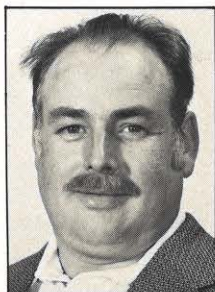


"I can remember sitting in that mass of bent sheet metal and broken glass, wondering why I was in no pain. I unbuckled my seatbelt and went out the hole where the back glass had been, onto the bed of the pickup, and then to the ground. To everyone's surprise, there were no injuries on the buses, and I escaped with only a few cuts and bruises.

"They estimated the speed of the bus to be about 35 miles an hour when it hit the truck, which folded like an accordion. Obviously I can attribute my well being to the little two-inch strap called a seat belt. It held me in the only safe place in the cab of the pickup that I could have been at the time."



Promotions



Skeens



Sutphin



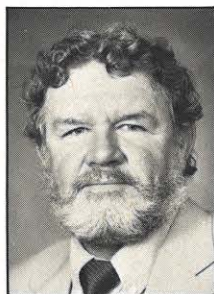
Pendleton



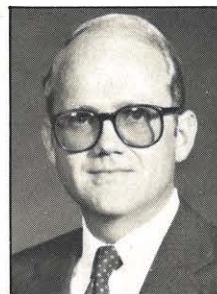
Jessee



Stewart



Bowen



Jamison

James A. Skeens, equipment operator A, was promoted to unit supervisor at Glen Lyn Plant on February 1.

James C. Sutphin, assistant shift operating engineer, was promoted to shift operating engineer at Glen Lyn Plant on February 1.

Roy E. Pendleton, Jr., unit supervisor, was promoted to assistant shift operating engineer at Glen Lyn Plant on February 1.

Jackie F. Jessee, maintenance mechanic A, was promoted to maintenance supervisor at Glen Lyn Plant on February 1.

L. Edward Stewart, training coordinator at Philip Sporn Plant, was promoted to training consultant for the AEP Service Corporation, Columbus, on March 1. He holds a bachelor of arts degree in social studies and physical education and a masters degree in educational administration from Marshall University.

R.T. Bowen, Jr., line crew supervisor nonexempt, was promoted to construction supervisor exempt in Bluefield on February 1.

Stephen L. Jamison, assistant compensation and benefits manager, was promoted to compensation and benefits manager, GO Personnel, Roanoke, on February 1. Jamison holds a bachelor of science degree in marketing from Virginia Polytechnic Institute and State University. He also has attended the AEP Management Program at The Ohio State University College of Administrative Science.

Danny W. Long, equipment operator A, was promoted to unit supervisor at Clinch River Plant on December 1.

Beckley

Kevin Cordle from line mechanic D to line mechanic C, Oak Hill.

Chester Pate from line mechanic A to area servicer.

Mike Leftwich from line mechanic B to line mechanic A.

Jim Linkswiler from line mechanic C to line mechanic B.

Dave Shrader from line mechanic C to line mechanic B.

John Hall from meter reader to collector.

Central Machine Shop

Ben Jackson from power equipment mechanic 2nd class to power equipment mechanic 1st class.

Jerry Wilson from power equipment mechanic 3rd class to power equipment mechanic 2nd class.

Clinch River

John Owens from maintenance mechanic C to maintenance mechanic B.

General Office

Ricky Barbour from hydro mechanic D to hydro mechanic C, GO Hydro, Smith Mountain.

Joe Jones from marketing and customer services assistant to marketing and customer services training assistant, GO Marketing and Customer Services, Roanoke.

Roanoke

Joyce Thomas from junior clerk to customer accounts representative C.

Chester Butler from line mechanic B to line mechanic A, Fieldale. □

Retirements

"I began to think about the future while I was serving with the Army during World War II," recalls **Vernon Likens**, "and, after getting my discharge in October 1946, I went back to night school to get my high school diploma. Then I began to think about a good company to work for and Appalachian came to mind. I was fortunate enough to be hired and started to work in 1948 as a utility man helper in the GO T&D Station maintenance crew. I transferred to the station records section three years later and have been there ever since." When Vernon elected early

retirement on March 1, he was a station special clerk. "The company has been good to me and has provided good benefits," he adds. "I really will miss all the fine people that I worked with all these years. We were more or less one big happy family. I have no special plans for retirement. My wife Vivian and I will just take things one day at a time. We hope to go to Michigan in August. I am a gardening bug and will be doing a lot of that." □



"I'm looking forward to retirement on March 1," claims Huntington Head T&D Clerk **Charlie Hoschar**; but, at the same time, I have been here better than half of my life and it will be hard leaving a lot of nice friends. I got my job by answering a blind ad in the newspaper; but, as far as I am concerned, there's no place like Appalachian. Working here has been a pleasure. When I got my 45-year service award, even though the company gave it to me, it represented all the employees I ever worked with. They are part of that award. Bob King, our

personnel supervisor, has told me that I can retire from everything except being the company Santa Claus. I have been Santa for 35 years I guess. I thoroughly enjoy it and wouldn't want to stop. I'll be spending more time at the Red Cross teaching first aid because that is something I believe in 100 percent. I also want to spend more time on my model train hobby. And, of course, we'll be visiting our son in Tennessee, our daughter in Texas and our 13 grandchildren." □



"In a way, I kinda hate to leave," claims **E.L. "Moose" Kimmell**, Clinch River Plant utility supervisor, who elected early retirement on March 1. "It seems like I have been working all my life. I was in service during World War II and, when I got out, I worked in the mines for five years. My wife didn't like that, so I quit and went to work at Logan Plant. I was transferred to Clinch in 1958 when the first unit was put on line. I have enjoyed my 35 years with Appalachian. Most everybody who comes in the plant except engineers has to work for me before

they can go anywhere else. I learn a lot from the young people, and I love every one of them. But I wanted to retire while my wife and I can still travel. If anybody ever was ready for retirement, we are. We have a nice brick home all paid for, and we have saved quite a bit. Last year I bought a 28-ft. camper, and my wife bought me a truck to pull it with so we're ready to roll. We're going to spend this summer in North Carolina and the winter in Florida. We want to go to different places, but we'll play it my ear." □



"I have been planning on early retirement for a long time," says Charleston Line Crew Supervisor **Paul Hull**, who retired March 1. "I just wished our savings plan had started a lot earlier. With nearly 40 years' service, I would have had a lot more put aside. The best part of my job was working outside in the fresh air. I've enjoyed being with my fellow employees, and I'll miss the work some I know. But it will be good to have some leisure time to do what I want to for a change. It seems like I have worked all my life. I do a little woodworking, and I like to garden and fish in the summer. We'll probably travel

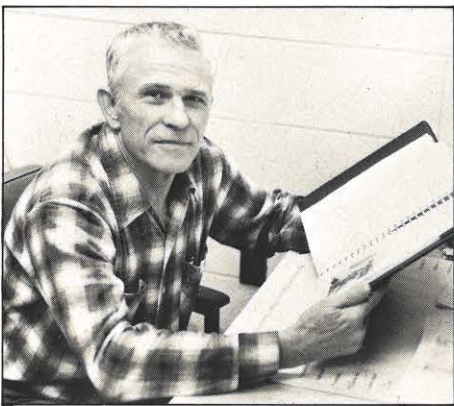
some, too, mostly in the south. I wouldn't mind going back to Japan to see what it looks like today compared to what it was after the war. My ship was right beside the one where the Japanese unconditional surrender was signed, and I was in one of the first groups to land in Japan for the occupation." Paul and his wife will continue to live in Eleanor, WV. They have two sons. □





Jack Sorden's plans for retirement can be summed up in just four words: "have camper, will travel." He and his wife Joan recently returned from visiting a son, daughter, and two grandchildren in Florida. Sometime soon will be trips to see a son in Virginia and a daughter in California. They are making tentative plans to tour Alaska next summer, with a stopover in Canada to visit Joan's sister. Jack, an instrument mechanic B at Philip Sporn Plant, had only twelve years' service before electing early retirement on February 1. Most of his career was

spent with Pratt & Whitney Aircraft, culminating with a five-year assignment with Grumman Aerospace as a safety engineer on the Apollo space program. "In 1973 I came back home to Ohio and went to work at Sporn," Jack recalls. "It was a whole lot different from what I had been used to, but the work was enjoyable. I have no desire whatsoever to go back to Florida except to visit the kids. There's nothing but condos and apartments down there now." The Sordens are remodeling a house in Rutland, Ohio, as a retirement home. □



"I really have mixed feelings about leaving," claims Herschel Shank, instrument maintenance supervisor at John Amos Plant, who elected early retirement on March 1. "It's going to be a change leaving people I worked with for so long. But I've worked toward this goal and, as soon as I had the opportunity, I took advantage of it. I'll be able to set my own pace now, but it has never crossed my mind to retire and sit down and take it easy. I don't know what taking it easy means, I guess. I do my own mechanical work and repairs at the house, and I

repair televisions in my spare time. I probably have worked on TVs for 70 percent of the people in a 5-mile radius of my home. We live on a 118-acre farm, and I bought another house and 4 acres a year ago so I'll have two places to try to look after. I'll probably make that place into a truck farm, and I've got some remodeling to do on the house. I don't contemplate much traveling — I got enough of that when I was in service — although my wife goes on a trip or two a year." □



"After getting up and going to work every morning for 37 years, you get sort of set in your ways," says Abingdon Line Crew Supervisor John Orr. "I'm sure I'll have some readjusting to do after retiring on March 1. I have made a lot of friends over the years, and I'll miss the people more than anything. We have a lot of good employees, and we have some good managers. I always liked the work, too, even though I had my share of callouts on nights and weekends. I don't intend to quit working just because I am retiring. I have a 20-acre farm and graze

a few cattle and horses. There are some improvements I want to make around my place. One of my big hobbies is trail riding, and I want to do more of that. My wife and I have four boys, all married. Two live close by and two live in Florida. We've already been advised to come on down!" John is a member of the Methodist Church in Damascus and the VFW. He earned a purple heart in the European Theater during World War II. □



"I used to work in a strip mine and ran coal into the Philip Sporn Plant for many years," recalls Glenn Evans. "In 1967 I had the opportunity to get on at Sporn and started in the Utility Department. It has been a very good place to work, and I enjoyed being with all the people." Glenn was a maintenance mechanic A before electing early retirement on February 1. "My wife Kathryn and I don't have too many plans — just try to enjoy living like we've always done. We have been working with ceramics for 18 years and have accumulated 9,000 molds of

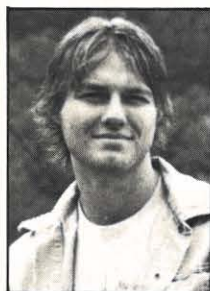
our own. We have a ceramic shop next to our house, and we pour greenware for people. We have bought molds all over the country and have them all catalogued. When we travel, we just close down the shop. I also sharpen saws for people as another hobby. As if that weren't enough to keep me busy, I live on a farm to boot. I raise angus and white face cattle for myself." Glenn is a deacon in the Middleport, Ohio, Christian Church. He also belongs to Eastern Star #172 and Masonic Lodge #363. □



"I'm ready to hang up my hard hat and go home," said Gate City Line Mechanic **Charlie Owens** before his March 1 retirement. A 39-year veteran, Charlie went to work in the-then Clinch Valley District just two weeks after being discharged from the Army following World War II. "I never have figured out why I went to the power company," Charlie added. "I didn't know a soul there. Maybe it was because I learned how to climb poles and splice cable at a special school when I was in the service. When I got the job with Appalachian, they gave

me exactly the kind of work I asked for. I appreciate that because I made a living at it and expect to draw enough to live on during retirement. I always got along well with the other employees and enjoyed being with them. I don't have any special plans, but I hope to travel a little and do more fishing and hunting. I especially want to teach my twelve-year-old grandson how to use guns and how to fish. I may even take up gardening again because I love to do that." □

Friends We'll Miss



Rawlings



Bolton



Bohon



Lewis



McComas



Wilson

Robert L. Rawlings, 27, utility worker at John Amos Plant, accidentally drowned after falling through ice on Poca River on January 30. A native of Wheeling, West Virginia, he was employed in 1978 as a utility worker B at Kanawha River Plant. Rawlings is survived by his wife Paula, Star Route, Box 25J, Poca, WV; and one son.

John W. "Bill" Bolton, 72, retired Kingsport meter supervisor, died February 1. A native of Kingsport, Tennessee, he joined the company in 1935 as a meter reader and retired March 1, 1976. Bolton is survived by his wife Tressie, 908 Clearwood Avenue, Kingsport, TN; two daughters; and six grandchildren.

Diana K. Bohon, 57, Roanoke T&D clerk A, died unexpectedly February 6. A native of Roanoke, Virginia, she began her career in 1950 as a clerk typist. Bohon is survived by two brothers.

Martin L. "Bob" Lewis, 73, retired tractor operator at Cabin Creek Plant, died February 6. A native of Cabin Creek, West Virginia, he was employed

in 1943 as a storeroom attendant and elected early retirement on May 1, 1975. Lewis is survived by his wife Frances, Box 251, Cabin Creek, WV; and one sister.

Ray G. McComas, 57, chief chemist at Clinch River Plant, died January 31 after an extended illness. A native of West Hamlin, West Virginia, he began his career in 1953 as a chemist at Logan Plant. He had been on long term disability leave since March 1982. McComas is survived by his wife June, P.O. Box 423, Lebanon, Virginia; one son, Robert McComas, Clinch River Plant utility worker A; two daughters; and three grandchildren.

Melvin Otto Wilson, 85, retired personnel director of Appalachian Power Company, died February 3. A native of Otto Station, Pennsylvania, he was employed in 1926 as chief clerk in Huntington and retired on February 1, 1966. Wilson is survived by his wife Evelyn, 3227 Fleming Avenue, Roanoke, Virginia; one son, Mel Wilson, Jr., Lynchburg

administrative assistant; and two grandchildren.

Wade H. Crowl, 77, retired turbine operator B at Cabin Creek Plant, died January 28. A native of Richwood, West Virginia, he was employed in 1942 as a laborer and retired February 1, 1971. Crowl is survived by his wife Vona, 1709 W. Riverview Drive, Belle, WV; one daughter; two grandchildren; and one great-grandchild.

Charles A. Kendall, 96, retired shift supervisor at Cabin Creek Plant, died January 25. A native of Handley, West Virginia, he began his career in 1916 as a laborer and retired October 1, 1957. Kendall is survived by five sons, three daughters, eleven grandchildren, and thirteen great-grandchildren. □

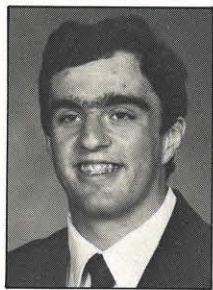
Who's News

Central Machine Shop

Steve, husband of Debra Caldwell, personnel clerk A, was elected to the National High School Coaches Athletic Association for 1985-86. He will serve as the state representative for boys' track. Steve is a teacher and coach at Dunbar, WV, High School. □

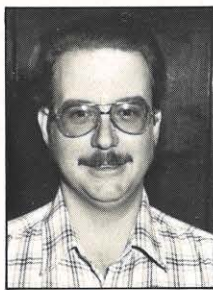
Bluefield

Brian Phipps played fullback and defensive end for the Peterstown High School football team, which finished the season in fourth place in Class Single "A" schools in West Virginia. The team also advanced to the semi-finals of



the state playoffs. Brian, the son of Peterstown Area Servicer Scott Phipps, was an honorable mention on the All Big "A" Conference football squad. He also was elected Snow King for the Peterstown senior class.

Tim Glover, surveyor assistant, received the Charter President's Award for the Princeton Jaycees for 1985-86. A member of the Princeton chapter for seven years, Tim has served as director, state director, and president.



Officers of the Bluefield Employees Club for 1986 are **Bob Edwards**, engineering technician senior, president; **Jack Gardner**, GO transmission engineer, vice president; and **George Filer**, electrical engineer, secretary-treasurer.

Susan, daughter of Jim Harmon, engineering supervisor, has been installed as recording secretary of the Graham High School Chapter of the National Beta Club. □

Roanoke

New officers of the Roanoke Retired Employees Association for 1986 are: **Jack Burnett**, president; **Ira Peters**, vice president; **Mary Jamison**, secretary; **Jeanette Kidd**, assistant secretary; **Jim Tapley**, treasurer; and **Sam Martin**, assistant treasurer. Members of the advisory committee are **Toby Slaydon**, **Larry Dougan**, **Owen Hawkins**, **Clarence Moore**, **Tom Old**, and **Helen Douglas**.

Don Williams, line construction and maintenance representative, has retired after 26 years with the National Guard. A 1985 graduate of the Sergeant-Majors Academy at Fort Bliss, Texas, Don was Headquarter Company First Sergeant, Rank E-8. □

Charleston

Keith Tyler, a member of the University of Charleston's basketball team, has a scoring average of 25 points per game, 51.7 percent field goal shooting, and 50 percent shooting from three-point territory. He produces an average of 5.6 rebounds, 4.4 assists, and 2.7 steals per game. **Chuck Landon**, the Charleston Daily Mail's sports writer, said, "Keith Tyler's greatest talent is the vim, vigor, enthusiasm and downright joy he brings to each and every game." Keith is the son of Sandra Wright, customer accounts representative C.

Shane, son of Kenneth Hudson, auto mechanic A, has been named to the dean's list at West Virginia Institute of Technology. An AEP Educational Award winner, Shane is a freshman.

Clyde Marshall, records supervisor, was elected chairman of the property committee of Holy Cross Lutheran Church, Scott Depot.

Cal Carlini, retired division manager, was chairman of the Fund for the Arts 1985 fund raising campaign which met its \$345,000 goal and qualified for a \$30,000 grant from the Benedum Foundation. Fund for the Arts is a volunteer agency which raises money from business and industry for arts groups in the Charleston area. Organized four years ago, the Fund for the Arts uses less than 10 percent of the money collected for campaign and administrative purposes. □

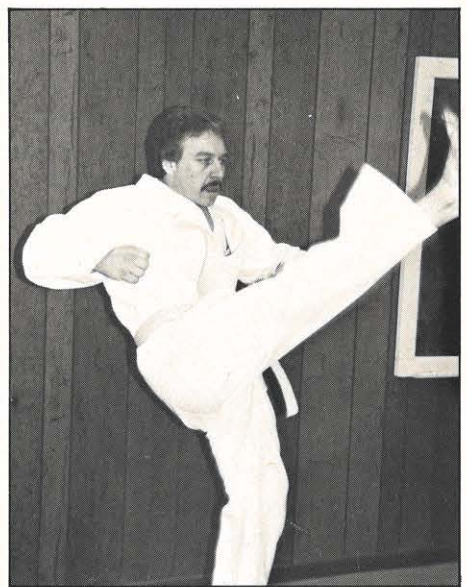
Huntington

Carl Elkins, marketing and customer services supervisor, has been elected a member of the board of directors of the Tri-State Home Builders Association for 1986. □

Logan-Williamson



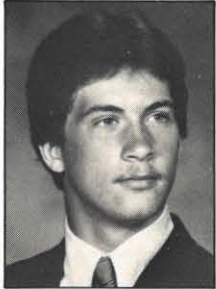
Kenya, daughter of Marilyn Jones, Logan T&D clerk B, was chosen All-Star cheerleader for the Logan County Saints Midget League football team for the second year. She is a fourth grader at West Logan Grade School.



Randy Thompson, Williamson station mechanic B, won the Mingo-Pike District light heavyweight kick boxing championship. □

Glen Lyn

Rodney Bradley played linebacker and offensive guard for the Peterstown High School football team, which finished the season in fourth place in Class Single "A" schools in West Virginia. The team also advanced to the semi-finals of the state playoffs. Rodney, the son of Performance Engineer Roger Bradley, was selected to the single "A" second team All State football squad and to the All Big "A" Conference first team offensive and defensive squads. Rodney is also president of the S.G.A. for Peterstown's senior class. □



Green wins \$5,000 in W.Va. lottery



Imagine being faced with the difficult task of deciding what to do with a windfall of \$5,000! K.R. Green, Bluefield engineering technician senior, had that problem after purchasing a winning ticket in the West Virginia Instant Lottery, just two days after tickets went on sale in January. "I was in a state of shock," he says. "At first I thought I would put the money in the bank and use it for repairs on the house. But now my wife and I have decided to take a nice vacation this summer. The house will just have to wait!"

Thayer is FFA winner



Kristi Thayer, a member of the Walton Future Farmers of America, won several awards at the Black Walnut Festival. She placed first in the hereford steer calf competition, first in apple competition and second in clover hay competition. In the West Virginia State Fair competition, she won third place in apples and fourth place in tomatoes. Kristi is the daughter of Dale Thayer, Charleston line mechanic A.

Lynchburg



Five-year-old **Tiffany**, daughter of Dawn Fesler, customer accounts representative C, was selected cheerleading mascot for the cheerleaders at Linkhorne Elementary School. She received a trophy at the year-end banquet.

Jim Dalton, station crew supervisor nonexempt, was elected district governor for the Peaks of Otter District Ruritan Clubs. The district includes thirty-four clubs in four counties.

Dennis Tomlin, station crew supervisor nonexempt, has completed a three-quarter course on the National Electrical Code at Central Virginia Community College.

B.J. Wilkins, marketing and customer services representative, was ordained and installed as an elder in the Amherst Presbyterian Church.

David Crews, personnel supervisor, was elected vice president-allocations for the United Way of Central Virginia for 1986. □

Abingdon



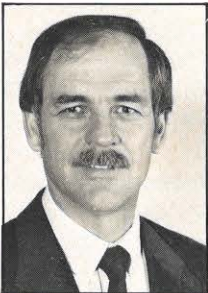
Jill, daughter of Perry Johnston, right of way agent, represented Washington County in the 1986 Virginia Junior Miss Pageant held in Fairfax, VA.

J.A. Stewart, line mechanic C, has been reelected chief of the Green Spring Volunteer Fire Department.

Three members of the Abingdon High School band have been selected for the all-regional band. They are Howard and Penny, son and daughter of Wanda Payne, customer accounts representative C, and Jill, daughter of Perry Johnson, right of way agent.

Isaac Webb, Gate City area supervisor, has been appointed to the Economic Development Committee and the Budget and Finance Committee of the Scott County Chamber of Commerce. □

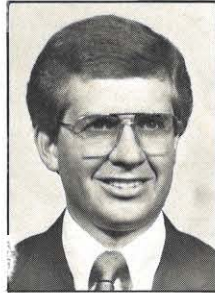
Pulaski



Barry Hicks, Hillsville engineering technician senior, has been appointed to fill an unexpired term on the Hillsville Town Council.

Louise, wife of Retiree Charlie Settle, has been appointed by Governor Baliles to his transition advisory team, consisting of individuals who will be called on for advice and guidance in shaping policies and personnel for his administration.

Gale, wife of Bob Kern, Wytheville area supervisor, has been appointed to the board of directors of the American Lung Association of Virginia.



Dan, husband of Debbie Grubb, customer accounts representative B, has been elected president of the Hensel Eckman YMCA for 1986.

Bob Love, division superintendent, has been appointed by the Pulaski County board of supervisors to the Peppers Ferry Regional Wastewater Treatment Authority. □

General Office



Donna, daughter of Lester Searls, transmission line crew supervisor, GO T&D, Huntington, was selected as a first team All Pioneer Conference basketball player. She also was selected to be on the All State squad. Donna averaged 11.5 points and 13.5 rebounds per game as a member of the Buffalo High School girls' basketball team, which won the Sectional IV championship in the state tournament. The team had a record of 20-5 this year. Donna also shot 62.5 percent from the free throw line.

Bob Waters, electrical engineer, GO T&D Station, Huntington, has been elected to the board of directors of the Engineers Club of Huntington.

Jim, son of Glenn Reynolds, marketing and customer services director, GO Marketing and Customer Services, Roanoke, is editor of the Medical College of Virginia yearbook, executive officer of the MCV Student Government Association, and treasurer of his class. A second year student at MCV's School of Dentistry, Jim maintains a B average.

Richard K. Burton, public affairs director, GO Public Affairs, Roanoke, has been elected to a three year term on the board of directors of the Better Business Bureau of Western Virginia. □

Beckley



Ryan, six-month-old son of Hank Bostic, junior clerk, was named male winner of the 1986 Pretty Baby contest sponsored by Heartland of Beckley. Seventy children participated in the contest.

Jeff, son of Ray Vest, administrative assistant, has been selected to represent Shady Spring High School at the "Know Your State Government Day" sponsored by the West Virginia Education Association. □

Weddings



Sullivan-Brown



Hutson-Goff



McGhee-Fox



Jackson-White



Cumbow-Henegar

Lisa D. Brown, Pulaski customer accounts representative C, to **Kenneth M. Sullivan**, February 14.

Rebecca Lynn Goff to **L.A. Hutson, III**, November 30. Rebecca is the daughter of Irene Goff, plant staff accountant junior at John Amos Plant.

Cheryl Fox to **Gary McGhee**, Roanoke electrical engineer, January 18.

Amy Sue White to **Jimmy Jackson**, December 28. Jimmy is the son of Lloyd B. Jackson, Glen Lyn Plant unit supervisor.

Delores J. Beckett to **Keith D. Henson**, Huntington line mechanic D, December 19.

Rose Marie Howell to **G. Roger Chaffins**, Huntington meter reader, January 24.

Sandra Henegar to **James G. Cumbow, Jr.**, January 25. James is the son of James G. Cumbow, Abingdon line construction and maintenance representative.

Births

Abingdon

Kemper Scott, son of **Timothy Edwards**, Clintwood meter reader, January 30.

John Amos

Emily, daughter of **Barry Proctor**, utility worker, December 26.

Beckley

Bryan Keith, son of **A.H. Ellison, Jr.**, meter electrician B, February 5.

Charleston

Jennifer, daughter of **Gregory Bird**, engineering technician, January 16.

Kathryn Ra'nae, daughter of **Michael Barnette**, St. Albans line mechanic D, January 21.

General Office

Jared Harrison, son of **R.C. Stover**, station mechanic A, GO T&D Station, Charleston, January 26.

Michael Shelton, son of **Linda Sims**, staff accountant, GO Accounting, Roanoke, December 15.

Logan-Williamson

Whitney Alaina, daughter of **Michael Bostic**, Williamson collector, January 15.

Roanoke

Samuel Elliott, son of **Mary Smith-Slocum**, station mechanic A, October 14.

Philip Sporn

Jonathan Mark, son of **Andie Atkins**, Fieldale stores attendant B, February 1.

Britaney Rae, daughter of **Douglas Ray Bryant**, maintenance mechanic A, January 8.

Amber Nicole, daughter of **Dale Alan Durst**, maintenance mechanic A, January 16. □

Wed 55 years



Felix Reed, retired Charleston line crew supervisor, and his wife **Xylphia** celebrated their 55th wedding anniversary with the renewal of their marriage vows at the First Baptist Church in Nitro. A reception in the church fellowship hall followed the ceremony. The Reeds have four children, twenty grandchildren, thirty-five great-grandchildren, and two great-great-grandchildren.

Wed 50 years

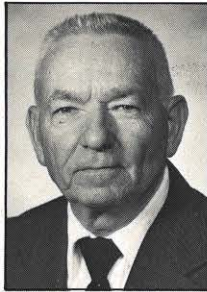


Al Beatty, retired Roanoke stores supervisor, and his wife **Gladys** celebrated their fiftieth wedding anniversary on December 7, 1985.

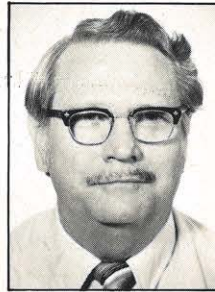
Service Anniversaries



Alma Obenchain
cust. accts. rep. B
Roanoke
40 years



C.L. Miller
eng. technician sr.
Williamson
40 years



Robert Pinnell
communications supv.
GO-Charleston
35 years



Earl Bowen
head meter reader
Huntington
35 years



Bob Clarkson
station mechanic A
Charleston
35 years



Bob McGinnis
division supt.
Beckley
35 years



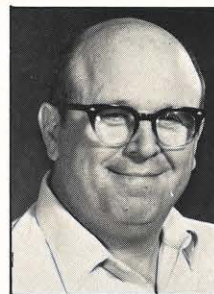
George Briers, Jr.
plant manager
Clinch River
35 years



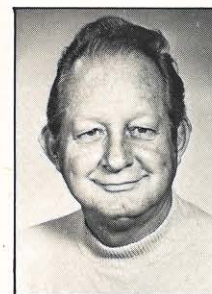
Rosie Sandor
cust. accts. rep. A
Montgomery
35 years



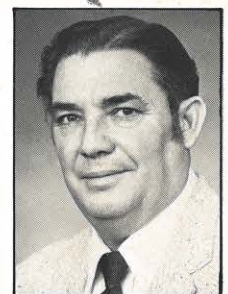
Charlie Jones
station crew supv. NE
Charleston
30 years



John Blair
utility supervisor
Kanawha River
30 years



Ray Beatty
line mechanic A
Huntington
30 years



Bert Herald
line crew supv.
Princeton
30 years



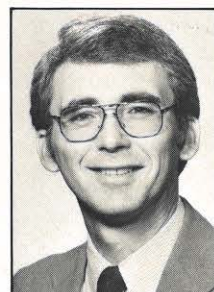
Helen Young
eng. tech. supv.
Roanoke
30 years



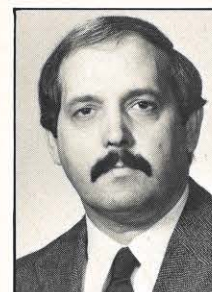
Morris Wolfe
performance tech. sr.
Mountaineer
30 years



Carolyn Noell
purchasing entry op. sr.
GO-Roanoke
25 years



Gary Hess
asst. shift op. eng.
John Amos
20 years



James Barton
asst. shift op. eng.
John Amos
20 years



Darrell Meadows
line crew supv. NE
Huntington
20 years



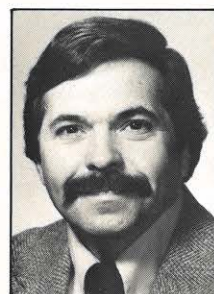
Doris Hendricks
stenographer
GO-Roanoke
20 years



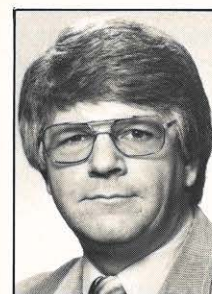
Donald Williams
line con. & main. rep.
Roanoke
20 years



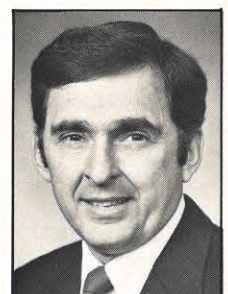
Michael Burris
maint. mech. A
Philip Sporn
20 years



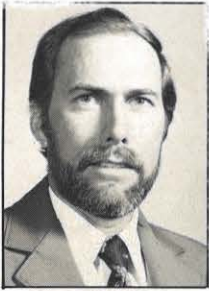
Donnie Waugh
unit supervisor
John Amos
20 years



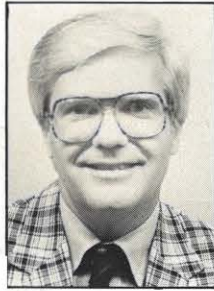
Roger Gautier
unit supervisor
John Amos
20 years



Derrill Douthat
communications spec.
GO-Bluefield
20 years



Ralph Dalton
line crew supv. NE
Galax
20 years



Ben Donevant
personnel supervisor
Bluefield
20 years

Abingdon

10 years: **Kenneth Hicks**, custodian. **George Johnston**, line mechanic A, Clintwood. **Deborah Belisle**, engineering technologist.

John Amos

15 years: **Jack Bishop**, maintenance mechanic A. **Richard Tyree**, maintenance mechanic A. **William Booker**, unit supervisor. **Herman Stone**, maintenance mechanic A. 10 years: **James Litton**, coal equipment operator. **George Rhodes, Jr.**, ash technician.

Beckley

10 years: **O.J. Weldon**, engineering supervisor.

Bluefield

20 years: **Ronnie Daniels**, area servicer, Grundy.

Centralized Plant Maintenance

15 years: **C.P. Lewis**, maintenance supervisor. 10 years: **W.D. Durst**, maintenance mechanic A.

Charleston

20 years: **Larry White**, line crew supervisor.

Clinch River

10 years: **Harry Sutherland**, unit supervisor.

General Office

30 years: **Tom Fowler**, transmission mechanic A, GO T&D, Bluefield. 20 years: **Charles Jones**, transmission mechanic A, GO T&D, Abingdon. 10 years: **Jimmy Wagoner**, electric plant clerk B, GO Accounting, Roanoke. **Pat Short**, engineering clerk B, GO T&D Engineering, Roanoke. 5 years: **Tom Schmaltz**, environmental engineer, GO Environmental Affairs, Roanoke. **Brenda Kennedy**, stenographer, GO General Services, Roanoke. **Timothy Banta**, hydro engineer senior, GO Hydro, Roanoke.

Glen Lyn

15 years: **Myron Pruett**, maintenance mechanic B.

Huntington

15 years: **Vernon Keefer**, line mechanic A, Point Pleasant. 10 years: **Ronald Kinniard**, line mechanic A, Point Pleasant.

Kanawha River

10 years: **Michael Howard**, personnel supervisor.

Kingsport

10 years: **D.W. McMurray**, line mechanic B.

Mountaineer

10 years: **Bill Roush**, maintenance mechanic A. **Jim Taylor**, stores supervisor. 5 years: **Dave Grindstaff**, utility worker. **Ray Minnis**, equipment operator C. **Rod Pearson**, equipment operator B. **Tony Sayers**, maintenance mechanic C. **Don**

Delong, equipment operator B. **Greg Price**, performance technician.

Roanoke

5 years: **James Rucker, Jr.**, line mechanic C.

Philip Sporn

15 years: **James Mitchell**, plant stores assistant senior. □

Update (continued from page 5)

Zimmer owners allege GE fraud

Allegations of fraud against General Electric Company for its role in the Zimmer Plant were made in an amended complaint filed February 14 in U.S. District Court in Cincinnati by the plant's three owners.

The owners — The Cincinnati Gas & Electric Company, the Dayton Power and Light Company and the AEP System's Columbus and Southern Ohio Electric Company — are now charging fraud by GE for its failure to reveal knowledge of the shortcomings of its nuclear steam supply system and containment intended for use at Zimmer when it was being engineered and built initially as a nuclear generating station. (On January 21, 1984, the owners announced the proposed conversion of Zimmer from nuclear to coal-fired operation.)

In their new filing, the three owners claim that, through documents obtained by them during the discovery process following their filing of the original suit in July 1984, they learned that GE had knowledge of problems with the system as early as 1958 but did not reveal them to the owners until late 1974 and 1975.

The amended complaint states that GE concealed its knowledge of the deficiencies inherent in its containment concept in order to promote the sale of its nuclear products in the face of competition. By concealing that knowledge, the new complaint alleges, GE fraudulently induced the owners to buy its products, designs and services and to rely on its expertise.

The plaintiffs also allege that GE knew that its representation that the system had been thoroughly tested and was safe and reliable was false. By material

misrepresentations and omissions regarding the safety, cost and reliability of the system and containment, the complaint alleges the GE fraudulently induced the plant's owners to enter into a contract with the company.

The initial suit against GE also included Sargent & Lundy Engineers and sought a total of \$415 million in damages. Both defendants denied liability and filed counter claims of their own. In the amended filing, the fraud allegations are directed against only GE. Sargent and Lundy, however, remains in the case as a defendant. □

Scherer, Adamiak win national honors

Two electrical engineers in the AEP Service Corporation have won high national honors — the highest in their respective fields.

- H.N. (Hal) Scherer, Jr., senior vice president - electrical engineering and deputy chief engineer, last month was presented the William M. Habirshaw Award by the Power Engineering Society of the Institute of Electrical and Electronics Engineers for his "outstanding contributions to the field of electrical transmission and distribution."

- Mark G. Adamiak, 33, a senior engineer in the System Protection & Control Section, Transmission & Distribution Engineering Division, has been named the nation's "Outstanding Young Electrical Engineer" by Eta Kappa Nu, the national electrical engineering honorary fraternity. He will receive the honor at the organization's 50th annual awards event April 21. □

Carson samples life of an astronaut

The tragic explosion of the space shuttle Challenger has not changed Rob Carson's interest in becoming an astronaut someday. He says, "Challenger exploding was horrible, and I know it is going to be a major setback in the space program. But I think they should find out what went wrong, prevent it, and go on!"

The 12-year-old son of Abingdon Division Manager Dan Carson, Rob participated in the United States Space Camp in Huntsville, Alabama, last year along with 100 other children from all over the world. For five days, the campers sampled the life of an astronaut.

In Level I of the camp, for students completing fifth, sixth or seventh grades, activities included a guided tour of a rocket park which identified the roles of each rocket in the advancement of the space program; a tour of the NASA center where Skylab astronauts trained before the longest American missions in space; and training in a variety of specific activities, from packaged food and waste management systems to life support systems for living in space.

The campers also practiced in the "moon walk trainer" which reduces body weight to one-sixth normal, or one's weight on the moon. They experienced the sensation of up to 3 G's — or triple normal body weight — during launch in the Lunar Odyssey and rendezvous with an orbiting space station while aboard the Shuttle Spaceliner. They also learned about careers in the aerospace field, other than that of an astronaut, which will be available in the future.

The best part of the camp for Rob was Space Shuttle Day. Each team of 10 youngsters was divided into crews for the shuttle spacecraft and mission control. Using equipment acquired from NASA, team members conducted a simulated



Rob Carson

mission, beginning with checkout, countdown, launch, orbit and return to earth. Each team's performance depended upon how well the campers applied principles learned earlier in the week.

"I was the commander," Rob relates, "and we had to go through the sequence of launching and landing. We had two problems: one, we landed in Hawaii and, two, we left our mission specialist in space."

Another treat was the fact that a movie on space camp, to be released this spring, was being filmed while Rob were there. "Kate Capshaw is in the movie," he adds.

Rob expects to return to Space Camp Level II in 1987, and his brother, Hunter, will be going to Level I. Rob concludes, "Space would really be fascinating."

□

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