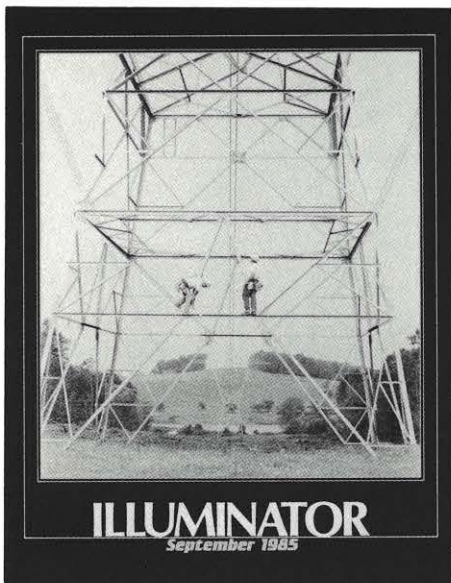




ILLUMINATOR

September 1985



Rusty Repass, left and Glenn Shumate climbed each transmission tower on the Jackson's Ferry-Axton line at least twice. The first time was to make sure the towers were assembled correctly before the wire was strung. Afterwards, they climbed the towers again to make sure the hardware was on and that everything was in readiness for energizing. Repass and Shumate are transmission mechanics A, GO T&D Transmission, Bluefield.

Vol. 35, No. 12, September 1985

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AEP Savings Plan

Date	Fixed Income Fund		Equity Fund		AEP Stock Fund	
	VPU	UCPD	VPU	UCPD	VPU	UCPD
1/31/85	\$2.0617	.4850	\$2.9918	.3342	\$2.1977	.4550
2/28/85	2.0823	.4802	3.0320	.3298	2.2055	.4534
3/31/85	2.1045	.4751	3.0412	.3288	2.2723	.4400
4/30/85	2.1263	.4703	3.0325	.3297	2.2991	.4349
5/31/85	2.1491	.4653	3.2147	.3110	2.4785	.4034
6/30/85	2.1715	.4605	3.2694	.3058	2.5583	.3908
7/31/85	2.1947	.4556	3.2603	.3067	2.5166	.3973

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.

IABC

International Association of Business Communicators

APCo produces area development videotape for Galax

Appalachian Power Company representatives met July 30 with community and local government leaders in Galax, Virginia, to present the city with a new videoc program designed to attract industry.

Entitled "Your Opportunity in Galax, Virginia," the videotape will be used by Appalachian and the community to acquaint industrial prospects with the business and social climate of the city. In addition, completion of the project is one of the final steps qualifying Galax in the Virginia Community Certification Program, administered by the state's Economic Development Department.

The video presentation was written and produced by Appalachian's Public Affairs Department with the cooperation and assistance of Galax city government and business leaders. Another program, dealing with Carroll County, Virginia, is now in production. □

Register before October 11 for education awards

October 11 is the registration deadline for the 31st anniversary 1986 AEP System Education Awards. The competition is open to employees' children who are seniors in high school and plan to enter college in September 1986.

Contestants will be vying for 36 awards of \$3,500 each, with \$2,000 to be granted for the first year of college and \$1,500 for the second. All entrants are required to submit standard Scholastic Aptitude Test (SAT) scores. Those who did not take the SAT in their junior year, or wish to take it again, are required to take the SAT to be given December 7.

Selection of the award winners will be made next year by an impartial educator with no affiliation to AEP. Selections will be based on secondary school evaluations, SAT scores and personal data.

Details and registration forms are available in your local Personnel Department. □

WV PSC seeks stay in transmission case

The West Virginia Public Service Commission last month asked the U.S. District Court for the Southern District of West Virginia, Charleston, to stay proceedings in a suit involving the commission's denial of Appalachian Power Company's recovery of payments under the AEP System's new transmission equalization agreement.

In July, the U.S. Court of Appeals for the 4th Circuit, Richmond, Virginia, affirmed a lower court decision allowing the company to begin collecting from its West Virginia customers, a rate increase of \$1.6 million, annualized, associated with the transmission agreement.

The commission based its August 13 motion not to continue with hearings on a statement by the appeals court — that the question of federal or state jurisdiction "might well be most appropriately addressed in the pending Federal Energy Regulatory Commission (FERC) proceedings" — made in conjunction with the July ruling.

Appalachian Power, along with American Electric Power, Columbus and Southern Ohio Electric, Indiana & Michigan Electric, Kentucky Power and Ohio Power Companies, contends that state regulatory commissions do not have jurisdiction over the AEP System's agreement covering interstate transmission, but rather that the jurisdiction falls to FERC. (FERC earlier had accepted the transmission agreement for filing as a rate schedule to become effective last January 22, subject to refund.) In their original suit, the companies had asked the District Court to rule on the federal preemption issue, which it has yet to do. □

We put ideas **ON THE LINE**

AEP System employees put 8,539 ideas on the line during the recently concluded "We Put Ideas on the Line" program.

The Systemwide program began March 18 and ran through June 14 in the AEP Service Corporation and in most of the eight operating companies. It was designed to help make AEP a safer, more efficient, cost-effective company by tapping the special knowledge each employee has about his or her own job or area of interest.

A survey of program coordinators in the operating companies shows that the program satisfied all its objectives. The coordinators also gave the program high ratings for its effectiveness and for the employee and middle management response to it.

Employee participation throughout the System averaged 46 percent, though Wheeling Electric Company reported a whopping 91 percent. Twenty-one percent of Appalachian's employees turned in 1,054 ideas, while 58 percent of Kingsport Power's employees generated 60 ideas.

Methods Engineer Mike Rock, who coordinated Appalachian's "Ideas" program, noted that Appalachian is currently the only operating company with an employee suggestion program. He said, "We have had a work simplification or operations improvement program since the early 1960s, and employees have had a mechanism through which to submit their ideas. They didn't have a lot of ideas 'stored up' like the employees in other companies, and I believe this is why our participation was not as high as the other companies. However, we are making great strides in Appalachian's Operations Improvement Program. As of June 30, 458 ideas had been submitted through OIP which will result in an estimated savings of \$3,241,555 to the company. Our goal for 1985 was \$4,000,000 in savings, and we had achieved more than 75 percent of that goal by mid-year." □

INFORMATION

Benefit

How to write prescriptions

Recent articles have described how the new mail order prescription drug program, Express Pharmacy Services, can save money for employees and retirees. However, two of the ways to save — extended days supply and generic drug substitution — are affected by how a prescription is written.

(The program, available September 1 to employees and retirees covered by the Aetna Comprehensive Medical Plan, offers the convenience of mail-order long-term maintenance prescriptions at substantial cost savings.)

To receive maximum savings, employees and retirees should ask physicians to write prescriptions in the following manner:

- Prescriptions should be written for a 90 day supply.
- The number of refills should be specified.
- Generic drugs should be substituted whenever possible.
- Two prescriptions should be written if the maintenance medication prescribed needs to be taken immediately. One should be for a 14-day supply and filled by a local pharmacy. The other should be written for a 90-day supply and mailed to Express Pharmacy Services.
- Two prescriptions also should be written if a new maintenance medication is taken on a trial basis to monitor its effect. One should be for a four-week supply and, if the medication is to be started immediately, taken to a local pharmacy. The other should be for a 90-day supply with refills to be filled if the medication proves satisfactory.
- Every prescription should be checked to make sure that the exact dosage has been specified, the patient's name and address has been included and the physician has signed it.
- Employees and retirees should print their social security numbers on the back of every prescription, including those for covered family members.

The new program does not replace the prescription drug benefit feature of the Aetna plan, but instead works in conjunction with it. When medication is needed immediately, claims may be sent, in the usual manner, to Aetna. □

Aetna uncovers fraudulent claims

During 1984, Aetna Life and Casualty, the AEP System's health insurance carrier, uncovered \$1.7 million in fraudulent claims nationwide. Aetna estimates that, if the schemes had continued, there would have been an eventual loss of \$12.1 million.

These fraudulent claims involved doctors, dentists, hospitals and employees insured under numerous Aetna policies all over the country.

James L. Garcia, who heads the insurer's national "Fraud Squad," said, "If our investigation confirms the fraudulent situation, we will vigorously pursue criminal prosecution and restitution. Fraud is a crime and it hurts everybody in the form of higher insurance premiums. Our prosecution record demonstrates Aetna's commitment to eliminating fraud. Of those cases that have been prosecuted so far, we have a 100-percent conviction rate."

And the penalties can be severe. Garcia outlined a few of the cases investigated by the Fraud Squad.

- An insured person submitted falsified claims for his family under his employer's group health plan. After the scheme was uncovered, he was terminated from his job, convicted of mail fraud and is currently in prison.
- An insured person filed \$10,000 in medical expenses for treatment to her "spouse." The Fraud Squad determined that the "spouse" was not related to the insured. The individual lost her job and was convicted of mail fraud.

Garcia explained that Aetna has several methods of detecting fraud. "All of our claim personnel receive special training to recognize potentially fraudulent bills and our computer system identifies unusual charges which are targeted for

review. In addition, some claims are randomly selected for verification even though no discrepancy is readily apparent. And we are sometimes alerted by phone calls or letters from insureds."

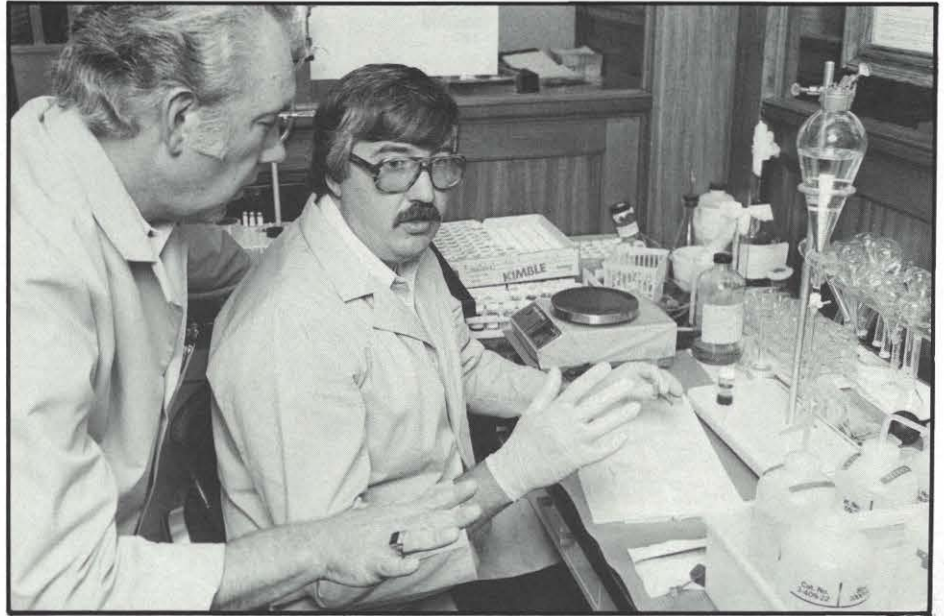
Every employee is responsible for the accuracy of claims filed for himself and his dependents and the AEP System operating companies fully support Aetna in its commitment to identify fraudulent claims, said Robert Strahan, assistant vice-president, compensation and benefits for the AEP Service Corporation. The cost of fraud ultimately affects the level of benefits companies can afford to provide their employees, and AEP will give Aetna its unlimited cooperation in investigating any potential fraudulent claim. □

APCo hosts workshop for science teachers

Nine outstanding science teachers from schools in Appalachian Power Company's service area participated in a two-week workshop on electrical energy and environmental technology during July. The workshop was hosted by Appalachian and sponsored by the National Science Teacher's Association.

Hank Sullivan, programs manager, GO Public Affairs, Roanoke, said that the workshop was designed to introduce the science teacher to the major technologies employed by Appalachian in the production and distribution of electricity and protection of the environment as well as the economic aspects of the electric utility industry. Sullivan explained, "We provided an opportunity for teachers to interact in a one-on-one 'tutorial' relationship with company personnel who are working in areas in which the teachers had special interest. We also provided technical assistance for the teachers to develop teaching packages, including audio visual and videotape materials."

During the two-week workshop, the teachers also toured Smith Mountain Dam and Visitors Center, a coal mine, the John E. Amos Plant, and the General



Ray Fisher (left), engineering technologist in the General Office Laboratory, Roanoke, shows Kerry Ellinger, chemistry, physics, and math teacher at Lebanon High School, how to mix samples for PCB-testing.

Office Operations Department in Roanoke.

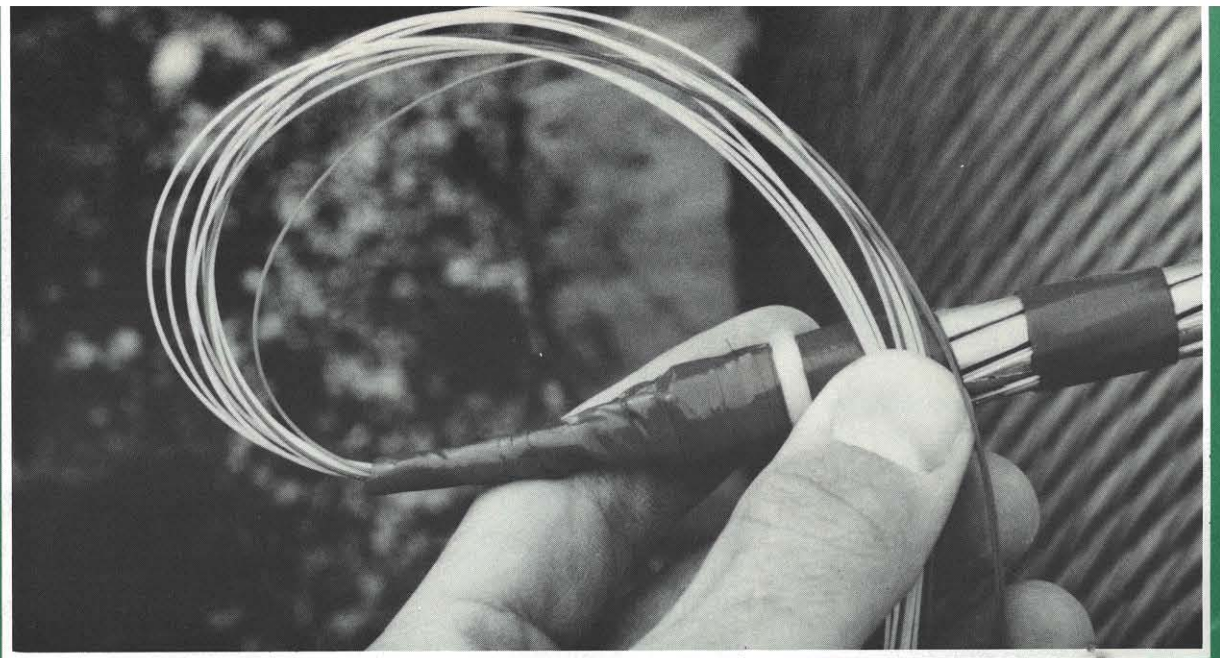
The workshop was partially funded by a grant from the National Science Foundation. The grant stipulates that each teacher attending the program must create

teaching material to be used in an in-service workshop for other science teachers in his or her school district by November 1, 1985. Each teacher who attended the workshop will be given two hours credit from the University of Iowa. □

New ad campaign to feature stockholders



Harold Graves (center), executive director of Charleston's Fund For The Arts, will be one of four American Electric Power Company stockholders featured in the System's new corporate advertising program this fall. AEP Programs Director Mary Jo Green said that AEP is one of the most widely held companies in the country and has many small stockholders. The new ad campaign is intended to remind customers that AEP shareowners are friends and neighbors in their communities. The television commercial featuring Graves was filmed on location in Charleston, WV, with members of the Children's Theatre of Charleston participating. □



The Age of **FIBER OPTICS**

The AEP System is riding a tiny pulse of light into the future.

That "future" was reached with the recent installation of a 24-mile lightwave communications link between the AEP Service Corporation's headquarters at 1 Riverside Plaza, Columbus, and a microwave tower at Ohio Power Company's Columbia Center transmission station east of the city.

In terms of the capabilities and broad range of functions AEP's fiber optics line embodies, "it is one of the most advanced in existence," said Bruce Renz, assistant manager of the Generation and Telecommunications Division.

The principle behind transmitting a message by light pulse is similar to — though far advanced from — Indian smoke signals. The lightwave system involves fiber optics, which is the technology that takes voice or data and converts it into pulses of light. The pulses then travel through an ultra-thin glass fiber encased in a wire or cable. In the new AEP installation the glass fiber is within both a transmission line ground wire and an underground cable.



One of the splicers used.

A fiber optics system has several advantages over AEP's current internal communications system — a seven-state 200,000-circuit-mile microwave network that's been in operation since 1954. Though the microwave is 99 percent reliable, a fiber optics system would be even more reliable, according to Dave Trego, manager of AEP's Telecommunications Section. The "voice" or data transmissions travels through the fiber, rather than the air, and thus is not vulnerable to interferences such as weather or structures blocking the microwave path.

Since the installation of the initial fiber optics link to Columbia Center, the Columbus area has experienced a number of violent electrical storms and the building was struck by lightning — but no interruption of service resulted. The same, however, cannot always be said of microwave.

It was a "dramatic demonstration," Renz said. The system is monitored constantly for communications errors and, following the electrical storms and lightning strikes, there were none. "It was the most extreme test we could provide."

One of fiber optics' biggest advantages over a microwave system is its enormous capacity, Trego said. A microwave network has the capacity for 600 simultaneous conversations, while a fiber system has the capacity for 2,000.

The fiber optics system is "digital" in nature, whereas the microwave is "analog" (as are most conventional communications systems). A digital system not only filters out unneeded noises, giving cleaner voice transmissions, but it also is compatible with computer transmissions. Currently, data must be converted from digital to analog for transmission, then converted back at the other end. With a fiber optics system, the conversion step is unnecessary.

With fiber optics, the quality of data communications not only is improved, but their capabilities are expanded as well. Because of the high speed at which data are transmitted, full-motion video conferencing is possible, as is "high speed computer-to-computer links," Trego pointed out.

Because of the aspect of computer compatibility, many firms — communications and otherwise — are jumping on the fiber optics bandwagon. As for AEP, it is ideally suited for a lightwave system, because, among other things, the right-of-way is already in place.

Another advantage to the lightwave system is the fact that it does not need to be licensed by the Federal Communications Commission, like the microwave, which shares the airwaves with other forms of transmission. This is due to the fact that fiber optics messages are transmitted by wire and thus cause no interference.

Trego's section began the installation of the 24-mile link a year ago. The work involved pulling underground cable through ducts in downtown Columbus before going to the ground wires that would take the lightwave fiber into Columbia Center. The line route for the link was chosen because of the various types of construction practices it would — and did in fact — involve, said Mike Martin, an engineer in the telecommunications section. In addition, the fiber optics provide an alternate communications path through downtown Columbus and a first step along the very important Columbus to Canton microwave route.

For the C&SOE crews that actually installed the line, the venture provided a whole set of challenges to be met and mastered. (Not the least of which was deep mud and bitter cold.) Since fiber optics is a relatively new field — and brand new to AEP — the crew received on the job training in handling the fragile glass wires.

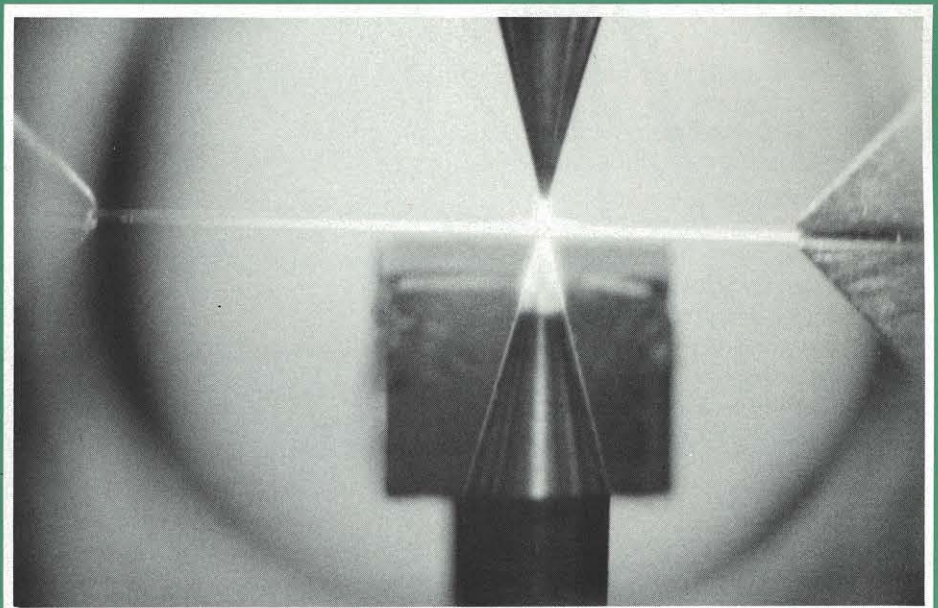
as to minimize loss and distortion of the message traveling inside the fiber. To achieve this, the hair-thin fibers must be joined together smoothly in a special clean, dry splicer that was used in places that were neither.

In a technique as delicate as microsurgery, each of the 12 fibers in the wire has to be spliced separately — with an electric arc. Splicing two wires together generally involved an entire day's work, Martin said.

AEP first began to explore the possibility of fiber optics in 1982, Renz said. It was only in the early 1980s that anyone paid much attention to the technology, because of the enormous strides made in the field in a relatively short time. "We realized what a good fit it would be for an electric utility. It solved a lot of problems we had (such as being able to use it near high-voltage substations).

Since its installation, the fiber optics system has performed well. In fact, said Renz, "it did everything we predicted it to do — and did it better."

The near-term future of fiber optics on the AEP System involves linking the major cities in the seven-state service area — Columbus and Canton, Ohio; Fort Wayne, Indiana, and Roanoke, Virginia — and integrating the delivery of voice and data information with the existing microwave system. Beyond that,



An electric arc welds two fibers together during the splicing. It must be done in a clean, dry environment.

A large part of the job involved splicing the fibers together. In fact, there are 32 splices in the 24-mile path way, and each one had to be done in such a way

who knows where fiber optics will lead. Perhaps much of the long-term future of the new technology will involve developments not yet in the mind of man. □



SOLVING THE 765-KV PUZZLE

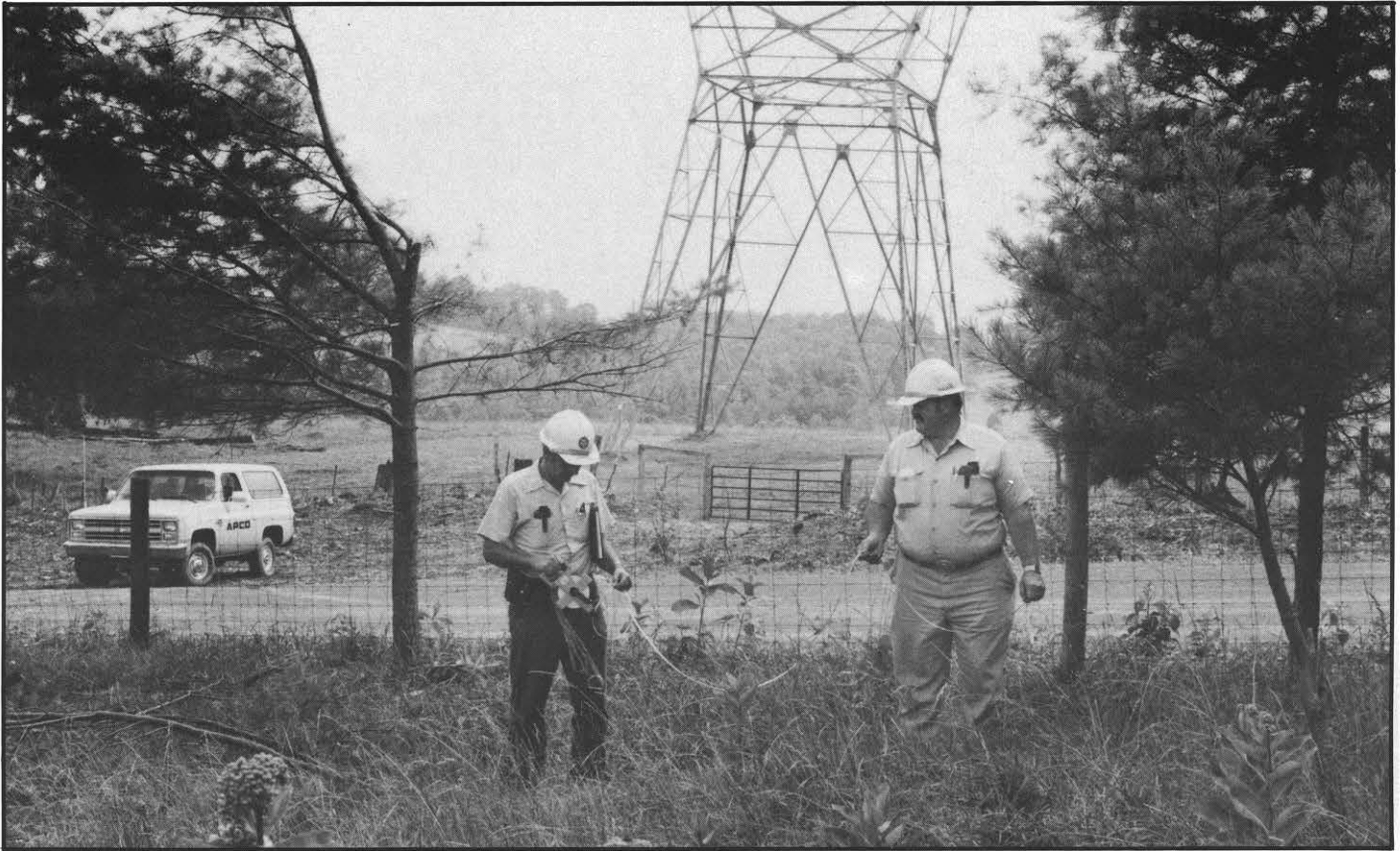
"The construction of the Axton-Jackson's Ferry 765 kv line could be compared to working a giant jigsaw puzzle," states Ken Hylton, transmission construction representative supervisor. "In the case of the line, however, the pieces (290 steel towers) are spread across 400 properties in 5 Virginia counties, and the distance from one end of the puzzle (line) to another is 73½ miles."

Since the need for the line was first determined, thousands of workhours have been devoted to its completion by both Appalachian Power and AEP Ser-

vice Corporation employees. But the actual physical construction of the line has been accomplished over the past two years by 180 construction workers and employees of Appalachian's General Office T&D Transmission Section, Bluefield. The placement of foundations and tower erection, which began on November 1, 1983, was completed last month. Wire stringing, which began on February 19 of this year, has also been completed, and the line is expected to be energized in September.

The key man on the job site was Bill

Hughes, transmission construction representative senior, who coordinated the activities for foundations, erection and wire stringing. His crew consisted of Dell Casto, transmission construction representative senior; Bob Harvey, transmission inspector; Bob Johnson, T&D representative; Jack Gardner, Larry Myrick and Dianna Curtis, transmission engineers; Howard Webb, engineering technologist senior; and Glenn Shumate and Rusty Repass, transmission mechanics. A. Ellis Sult, transmission inspector, was in charge of right of way clearing.



Ellis Sult, left, and Gene Garner check right of way clearing.

His primary function was to follow the performance of the right of way contractor to ensure his compliance to the company's contract and specifications and compliance with all governmental agencies as well as to keep the impact to the area at a minimum. Sult's crew consisted of Gene Garner and Tom Rowe, transmission inspectors; and Jerry Joyce, Carl Shepherd, Bill Gillespie, and John Duty, transmission mechanics A. Both Hughes and Sult reported to Sam Burchette, transmission superintendent, who in turn reported to Marvin Pollard, construction and maintenance manager.

Hylton noted, "When we received the final plan and profile for the line, the office force prepared a bill-of-material which was forwarded to Columbus so purchase orders could be issued for the required material. Our office force also prepared staking, digging, and setting information for the foundation installation. When the contracts were awarded for right of way clearing and inspection, our field people moved onto the job."

Hylton continued, "We worked closely with the T&D office in Bluefield. My job was acting as a coordinator between the field and the office people. Actually my duties overlap with Jack Hagerman, supervising engineer. I spend most of my time in the field, and Jack spends most of his time in the office. Between

the two of us, we tried to keep things moving along. Both of us answer directly to Sam. Jack's office force in Bluefield did all the detail work, made sure we had all the drawings and specifications, and the information we needed. One of the



Bob Johnson, left, and Howard Webb compare notes on property owner requests.

men in the Bluefield office worked closely with the people in Columbus on expediting the material. We had a lot of problems with material that was short or misfabricated, and all these problems had to be addressed. Nobody likes paper work, but it seemed like there was always paper work to be done."

Hylton added, "Everybody's goal was the same: to get the line built in the very best condition, by the most economical means, and in the safest manner.

Hylton emphasized, "We did everything possible to make the relationship between Appalachian and the property owners a good one. Prior to moving onto someone's property, we contacted him, first out of common courtesy, to let him know that crews would begin work in a few days and, second, to solicit his input as to the location of the entrance onto his property and the location of proposed access routes. We tried to build a road through the property owner's land that not only would accommodate the construction equipment and future maintenance crews but also would be beneficial to the property owner for years to come."

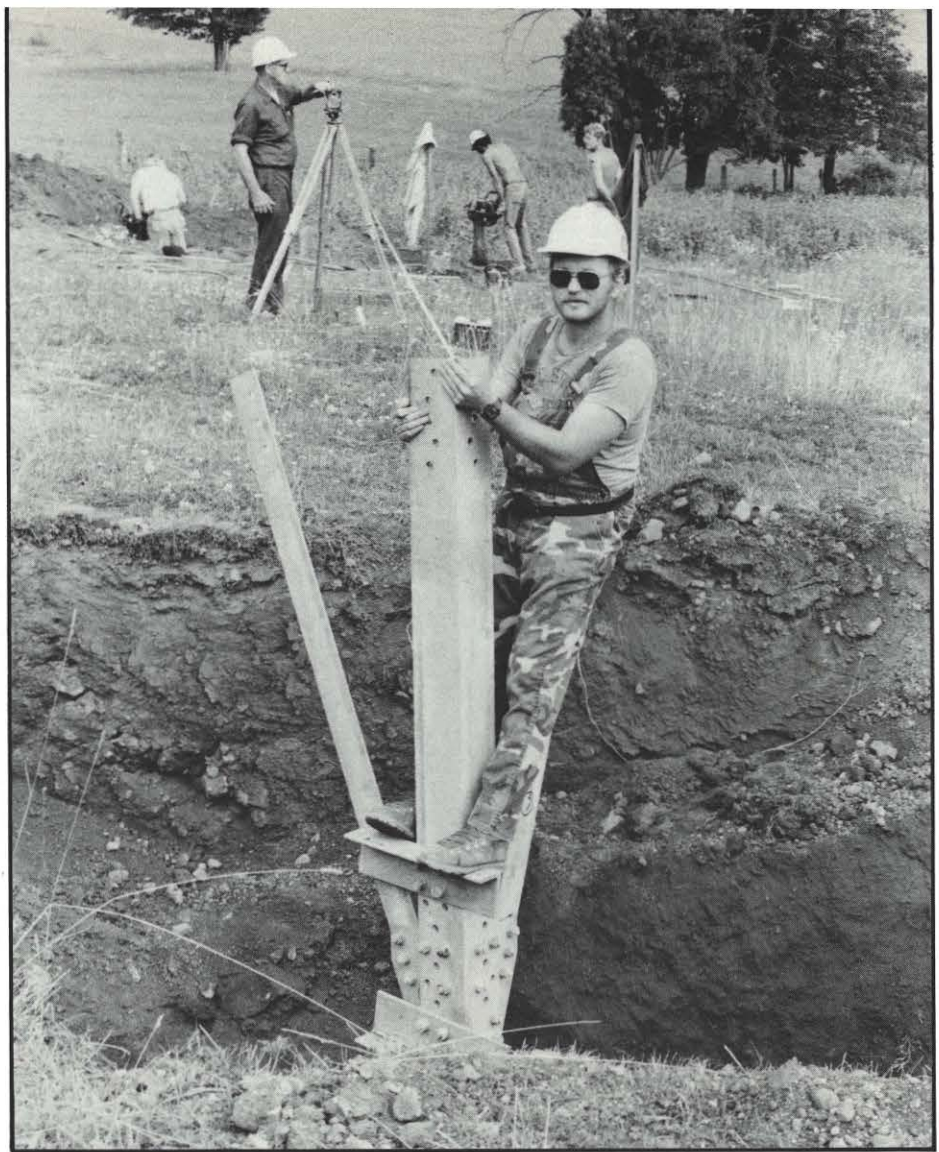
Hylton continued, "The initial contact was very important, and Bob Johnson was a good man for that. He never met a stranger. Bob got people's confidence. When he told them something, he left

them with the impression that he meant what he said. We sure couldn't afford a breakdown in communication here in the field. If the property owners had any special conditions in their agreements with our right of way agents, Bob made sure that these conditions were met."

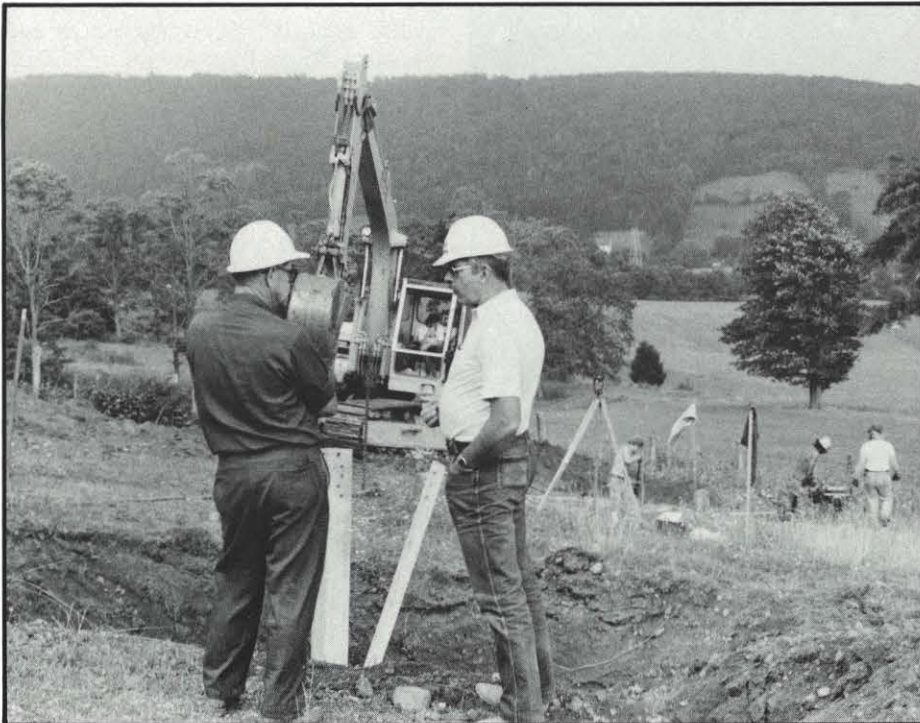
Johnson stated, "Howard Webb assisted me in talking with the property owners. Both of us watched over the road building — sometimes it was a new road, or reworking an existing road or an old road that was used years back and had grown over.

"We tried to eliminate complaints by heading off things before they happened. If I saw something I thought might cause a problem, I got it remedied before it did. The construction contractors were really helpful in correcting any problems that we had and in eliminating complaints before they developed into problems. One property owner had it in his agreement that the brush had to be removed either by chipping or burning. All this took special time and attention. Of course, I had to verify that the work was done to the satisfaction of the property owner."

Johnson continued, "In general, we tried to make it as pleasant as we could for the property owners under the circumstances. If somebody had crop damage, I paid for that. And we worked with the contractors to put the property back in as good or better condition than it was before. This included installing gates,



Larry Myrick, foreground, and Dell Casto, background, check the accuracy of an anchor installation. Prior to backfilling, the horizontal distance, elevation and proper alignment have to be within the specified tolerance.



Dell Casto, left, and Ken Hylton discuss routine problems with the anchor installation.

regraveling roads, and putting in drain pipes."

Hylton commented, "What we tried to do — the bottom line — was to treat each property owner the best we could and do the least amount of damage. That sounds so easy but it was not quite that way."

Johnson added, "Howard Webb and I will be about the last two left down here on the line since we look after the cleanup. One thing we haven't really gotten into yet is remapping. Dan Janosko, civil engineer senior, and Larry Myrick came down here in 1981 to figure out how to put in the access roads to the tower sites. They made up a road map so our people could find the locations, and that saved a lot of time. Howard and I will have to go back and reroute the access roads on a map so that future maintenance crews will know how to get where they need to be."

In addition to surveying, Myrick also was involved in tower construction. He said, "Our survey crew out of Roanoke worked



Dianna Curtis, left, and Jack Gardner check the conductor for damage or loose stranding and for correct threading through the tensioner.

between 1979 and 1981, surveying out the line. It has been up to five years since the markers were put in the ground, and some of them pulled out in the meantime. I had to go back through and put them in the right location. I also had to check on misfabrication — that is when the steel for the towers was wrong.”

Dianna Curtis assisted Myrick in inspecting the foundation to make sure the steel is bolted together correctly. She also worked with Jack Gardner on the wire stringing portion of the project. “Jack and I received the materials, checked them in, and made sure the material was correct.”

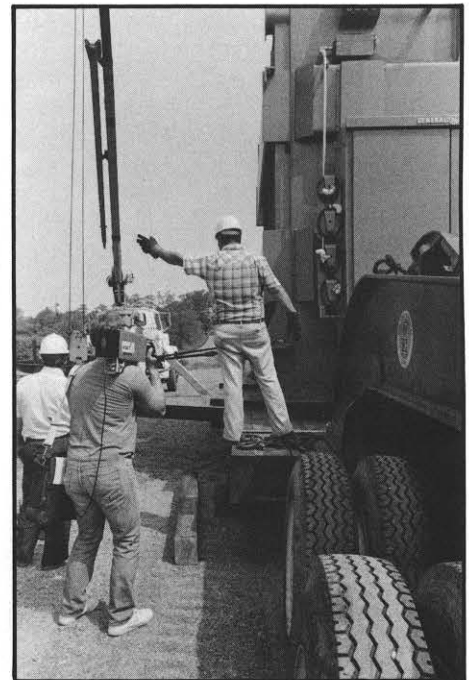
Gardner noted, “After the wire stringing began, we went over the wire setups to make sure they were in good locations. These locations had to be agreeable with the property owners. Then we had to take care of getting special road permits for heavy equipment. We had to foresee any extra work to be done and get approval beforehand. We also inspected the conductor and the way they sleeved the wire together.”

Hylton noted, “Everybody out here except Webb and Johnson did a little climbing from time to time. But Glenn

Shumate and Rusty Repass were two key men. They climbed the towers at least twice, often three or four times, and occasionally swung out on the wire.”

Repass commented, “First of all, when the towers were set, we took a print and made sure all the pieces were put on correctly, that no bolts were bent in, or anything like that, and that the rusty steel was painted. If anything was bad, we replaced it before the tower was ready for wire stringing. Then, when the wire was strung, we climbed the towers again to make sure the hardware was on and everything is ready to be energized when the time comes.”

Hylton concluded, “Everybody in the Transmission Section — inspectors, engineers and technical people — has been spread pretty thin over the past couple of years. Some of them were on the 138 kv project, but the bulk were on the Axton-Jackson’s Ferry line. Once this job is finished, it will give us a chance to gather up a lot of loose ends and get back to our routine maintenance programs. This project just about winds up the 765 schedule for the time being.” □



One of the three extra high voltage transformers which will reduce the voltage of electricity carried over the 765 kv line between Jackson’s Ferry and Axton to 138,000 volts before transmitting it to stations near Danville, Martinsville, and Fieldale. Each of the three EHV transformers are 39 feet tall, 20 feet wide, and 23 feet long. When filled with 14,000 gallons of oil used for cooling and insulation, each transformer will weigh 373,000 pounds.

WORK ASSIGNMENT

Roanoke Power Engineer John M. Wright, who earlier this year spent a month working in Lahore, Pakistan, returned home with a suitcase full of memories and observations about that nation's people and culture.

John is the first Appalachian employee to be among the 130 chosen from across the AEP System to work in Pakistan at one time or another over a five-year period to assist Pakistan's Water and Power Development Authority (WAPDA) with the implementation of its national rural electrification plan. The AEP employees are working with representatives of EBASCO Overseas Corporation and the International Training and Education Company under an \$18.4 million contract funded by the U. S. Agency for International Development.

"The purpose of the sister utility exchange program (SUEP)," John explains, "is to provide an exchange of WAPDA and AEP employees for the improvement of WAPDA's operations. This exchange will afford the WAPDA people an opportunity to share ideas with operating electric utility people in the United States and to see first hand how the AEP System accomplishes certain tasks. The work procedures and methods of the sister utility can then be introduced into WAPDA with changes as necessary to accommodate any unique requirements of WAPDA."

He continues, "My assignment was to assist WAPDA in overcoming a shortfall in electric power generation capacity. I visited twenty-six industrial customers representative of those served by



WAPDA throughout Pakistan. The purpose of these visits was two-fold: one, to get an overview of their working relationship with WAPDA and, two, to assess their ability and attitude towards load management and energy conservation. Visits were made also to manufacturers, suppliers of motors, air conditioning, and the like for use in Pakistan, to determine if they were manufacturing energy-efficient equipment.

"We had an outline of our objectives; but, until we were able to actually get in the field and work with our counterparts under the SUEP, we didn't know how we were going to implement them. We found a very open line of communication between WAPDA and the businesses and industry."

John adds, "We were royally treated in the places of business. Typically, the industries are out in the country, and many of them have yards that are rich in flowers and shrubs, just beautiful landscaping. As we were leaving a Honda assembly factory, the manager said, 'Wait just a moment, I have something for you.' About that time one of his employees walked up with a beautiful bouquet of flowers that he had picked from the garden. It must have weighed five pounds! That was just typical of the

type of welcome we had wherever we went."

John continues, "The newer industries, including steel, textile, and feed mills, have very modern processes. Some of them are automated, utilizing computers, but you walk outside the plant and the methods are very labor-intensive. As an example, they will be using manpower to load the plant's products on carts which will be pulled to a warehouse by oxen."

John's home in Lahore was the Intercontinental Hotel. "That's an international chain that is found in most large cities," he says. "When we traveled outside Lahore, we stayed in homes that are owned by the United States Government and maintained strictly for American visitors.

"My sightseeing was limited primarily to the City of Lahore, which is very old and rich in history. The old section consists of two-, three- and four-story buildings with very narrow streets. Apparently the stores were set up to serve only walking traffic. Yet now you see small automobiles, motorized rickshaws, bicycles, motorcycles, and animal carts. The streets are very busy.

"In the old city, we were able to view the craftsmanship of the Pakistani — rugs, brass implements, jewelry and other



ENT: PAKISTAN



John Wright, right, poses with the doorman at the Intercontinental Hotel in Lahore.

items showing off their craft ability. These were just beautiful. Other areas I enjoyed were the old fort and the Shalimar Gardens. The Gardens were begun back in the 1500s and are maintained by the government for public use."

John adds, "The foods were rich and spicy; they use a lot of seasoning and fats in their cooking. A person who has digestive problems must be careful in his choice of meals. Generally speaking, however, we found the food to be of good quality and appetizing. Chicken, fish, and water buffalo are staples in the Pakistani diet. Beef is hard to come by and, of course, pork is a no-no with the Muslim people. Fresh fruits and vegetables were readily available in their markets. We were very cautious, though, in our purchases. Generally speaking, if it could be peeled, it was safe for the western stomach. We always had to ask if the drinking water was boiled. So it was a joy to get back home and find even a McDonald's for western food."

John concludes, "The language of the business community is primarily English, and most Pakistanis who have gone to school have some ability to speak English. It was interesting to note that, walking down the streets, the Pakistani would try to establish eye contact even from some considerable distance. When we came abreast of them, there would be a wide, flashing smile and a 'hello'. Quite often they would stop us and try out their

expertise in the English language. They had a curiosity about us. They wanted to know who we were and why we were in Pakistan. It was an opportunity to see the real Pakistan, not a tourist version, and I enjoyed every minute of it."

* * *

Two WAPDA employees spent three weeks in Appalachian's service area last month as a part of the SUEP. Abdus Saeed, executive engineer electricity, Rahim Yar Khan Division, and Ejaz Qureshi, subdivisional officer in Operation Subdivision, previously had visited Indiana and Michigan Electric Company and, after their stay in Roanoke, will be observing operations in the AEP Service Corporation and Ohio Power Company. They expect to report back to WAPDA On October 15.

Saeed said, "We have learned a lot and still we are learning. The AEP companies are providing good service to their customers, and the industries are very much aware of energy conservation. Appalachian's Marketing and Customer Services Department has very close contact with their customers. Appalachian's en-

gineers seem to be at their disposal for consultation."

Saeed was particularly impressed with the AEP Customer Information System (CIS). "It's amazing that you can have the history of a customer's account in less than one minute. Presently WAPDA uses the computer only in billing."

Qureshi commented, "We have felt like we are among friends since we have been in the United States. People have been very generous and very nice. The Americans seem to be very hard working, and we are learning a lot."

Saeed concluded, "Pakistan is a developing country, and we have so many problems. We are trying to upgrade our electric service as we have the means to do so. When we return to Lahore, we will prepare a report regarding energy conservation and load management. We have several recommendations to make regarding customer services, tariffs, design of our electrical system, and organization. All of these recommendations will have to be evaluated by WAPDA management. It is my desire to see a customer service department established in our organization." □



Included in the field visitations of the Pakistani employees was a tour of a coal mine near Grundy, VA. From left, Ejaz Qureshi; Ken Roberts, Bluefield Power Engineer; John Wright; and Abdus Saeed.

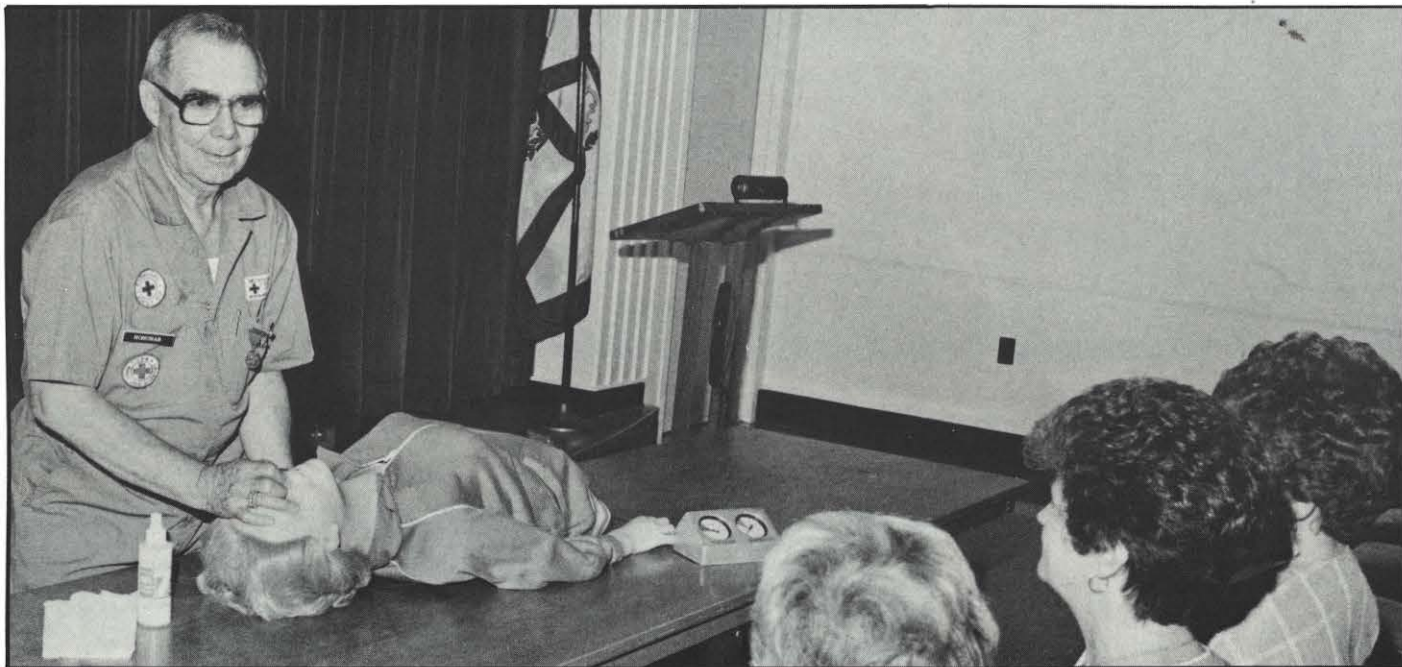
Whoever wrote "service to humanity is the best work of life" must have had someone like Charlie Hoschar in mind. During Charlie's thirty years as a Red Cross volunteer, he has spent more than 1800 hours teaching first aid to some 1200 people.

"I took first aid classes here at the company," relates Charlie, head T&D clerk in Huntington. "I enjoyed it, so I went ahead and took an instructor's course at the Red Cross in Charleston because they didn't have an instructor trainer in this area. After that, I started teaching first aid for the company. Soon the Red Cross called Hugh Stillman, who was division manager then, looking

for someone to be chairman of first aid for their organization. That's how I got started as a volunteer."

Charlie continues, "For a long time, there were only two of us doing first aid instruction. Franklin Phipps worked the evening shift at INCO and taught classes during the day, so I taught classes at night and on weekends. For years I had three classes a week for the Red Cross: adult classes in the evening and classes for junior school children on Saturdays. We couldn't find any other instructor to take the young people's classes, so I ended up teaching every group of Girl and Boy Scouts or Campfire Girls who wanted instruction.

"Years ago, almost all the classes were held at different locations because the chapter house didn't have a large room. We would meet at churches, fire stations, people's basements, Marshall University, any place big enough to accommodate a group. Almost eighty percent of the classes were outside the chapter house, which meant I had to pick up all the equipment, take it out and set it up for teaching, and then bring it back. Now we have a multi-purpose room in the new chapter building and nearly all of the classes are held there. When I teach a class in Point Pleasant, however, I have the back end of the truck full of equipment. It's quite a job to haul everything around."



Charlie Hoschar

30 years as a Red Cross Volunteer

Charlie adds, "I taught both standard and advanced first aid classes until the program changed. Now I teach mostly multi-media type classes. Most people prefer to finish in one day's time."

"I have had some interesting experiences over the years, and sometimes the classes have a little humor. I remember teaching a class of dormitory mothers at Marshall University, and one of the ladies was a very good friend of my mother when they were young. I was giving instruction on artificial respiration and this lady said, 'Charlie, if we get down on the floor to practice, none of us would ever get up.' During that class, the ladies would bring the teacher a big red apple every evening."

Not all Charlie's classes were for groups, however. He recalls, "Once a girl started in one of my classes but had to drop out. Her job required that she know first aid, so I ended up teaching her the entire course by herself."

Charlie adds, "First aid is something I believe in one hundred percent. I enjoy teaching, and I have made quite a few friends over the past thirty years. People I have taught come up to me and, even though I don't remember their names because there are so many of them, they remember me. When I retire from the company next year, I plan to keep my association with the Red Cross as long as my health will permit. Right now they are having a problem finding people

who are free to teach during the day, so that's where I can help out."

He concludes, "A lady I taught years ago told me that the ten hours she spent had paid for itself because she was able to save her daughter's life. The daughter was out in the garage with her husband and was overcome with carbon monoxide. The mother revived her with artificial respiration. Learning of an experience like that makes all the time I've spent over the years worthwhile."

As a recognition of Charlie's service to the Red Cross, the Huntington Chapter established the Charles Hoschar Award, given annually to a deserving new volunteer. □

Best gunsmith in the county

"I'm the best gunsmith in eastern Fayette County," claims Rupert Area Supervisor Curt Willis. "Of course, I'm the only gunsmith around here," he adds with a laugh.

The beautiful custom rifles that Curt turns out are proof that he takes his hobby seriously. "I do take a lot of pride in making my guns," Curt says, "because it is something I can do that nobody else can, at least in this area."

He continues, "I didn't mess with guns for a couple of years after I got out of World War II. Then I became interested in reading and studying about gun repair. Many really fine rifles were on the market after the war, especially the German- and American-built rifles. A lot of people were having these military rifles turned into sporting rifles, and my brother gave me one for Christmas."

Curt adds, "My brother had taken the rifle to a gunsmith who had 30 years' experience and was supposed to be good. But the gun was such a mess that I decided I would learn to customize rifles myself. I knew how the work should be done; all I needed was a shop.

"My first shop was in the garage of my home in Charleston. When I transferred to Rupert, we bought two acres of brush land to build on. I think I made as many plans for my gun shop as I did for my new house," Curt recalls. "I purchased a 50 x 20 foot metal building from a mining company which was closing and set up my gun shop in my back yard.

"I chose to spend my money on tools and equipment for repairing and making guns rather than on playing golf. Really, gunsmithing is an ideal hobby for me. My company work is a 24-hour-a-day job. I have a callout list by the phone in my shop in case there is trouble and I have to get in touch with the men."

Curt notes, "I operate the shop out of my pocket because I lose money on every gun I make. I buy the material at dealer's cost, and that's about what I charge the people I do work for. The reward I get is seeing the look on people's faces when they see the guns I make for them. I would never recommend gunsmithing to anybody who wanted to make a living at it. It is not rewarding monetarily unless

you have a big shop. If I had to do this type work under pressure, I wouldn't do it because I wouldn't enjoy it.

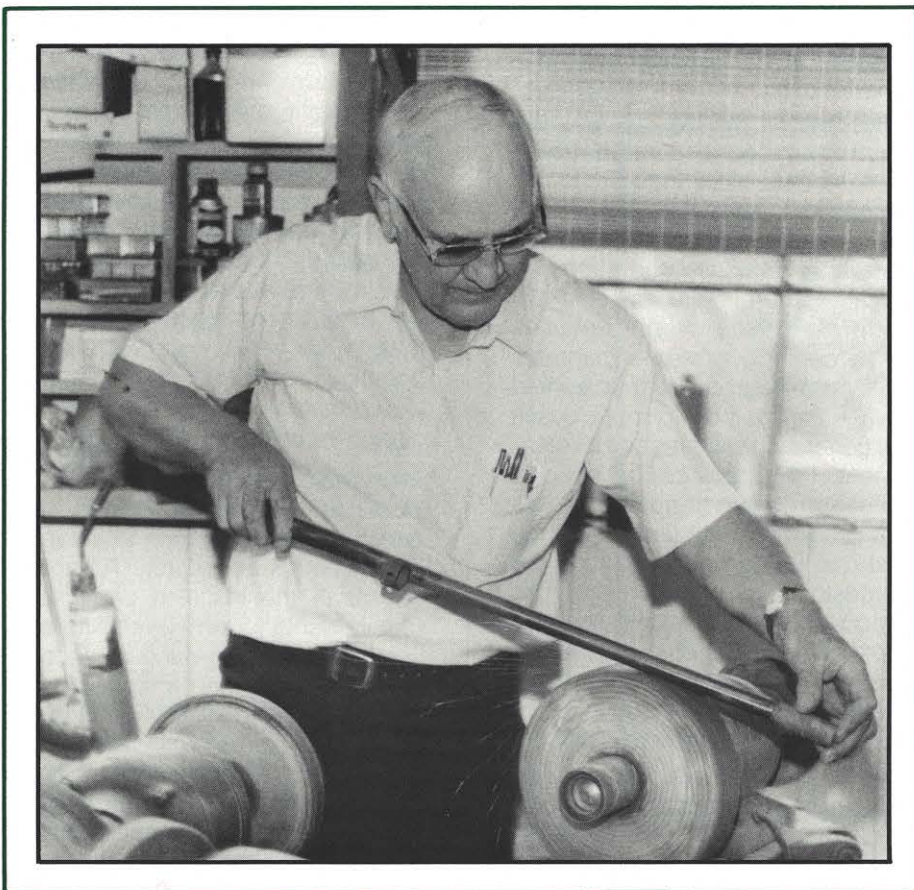
"As a matter of fact, when I moved to Rupert I had just about abandoned the idea of doing gun work except for myself. The law requires that anyone who does repair work on guns for other people must have a Federal gun license. They want an acquisition and disposition record of all work done on firearms, and I didn't want the hassle of filling out all those Federal forms. But somehow the word got out that I could do repair work; and, since there was no other gunsmith in the area, the shop just mushroomed. It's hard to turn down a boy who needs work done on his rifle so that he can go deer hunting!"

Curt says, "I certainly don't solicit business or advertise. Most of my work comes from someone who has seen a gun I've built for someone else." Among the many rifles he has made through the years, at least 20 belong to Appalachian employees. To the best of his knowledge, all Curt's custom-made guns except one still belong to the original owner.

"Usually when a person wants a custom-made rifle, he is already familiar with guns," Curt relates. "He will select the type of wood for the stock, the type of barrel and action, and the caliber he wants." From this information, Curt builds the gun to specifications. Although most of the rifles he builds are of the 243, 308 or 30.06 caliber, he also has made some custom elephant guns. "The prettiest rifle I ever built was an elephant gun for a millionaire in Fayette County. He wasn't interested in it for hunting; he just wanted to set it up and show off its beauty."

Curt states, "Depending on the type of wood, it takes between 115 and 120 hours to build a custom rifle. On the stock, you're lucky if you can put on one application of finish a week. The gun I made for Clyde Barker, Beckley personnel supervisor, has 33 applications of finish on it."

Curt concludes, "When I retire, this shop probably will have to support itself, and I may have to change my thoughts about how much to charge people. But for now the reward is the joy of seeing how pleased people are when they have a gun custom built." □



Curt Willis

“Capacity Margin” — What



by H. M. (Sam) Hall
 Assistant Vice President —
 Generation Planning
 American Electric Power
 Service Corporation

When a customer turns on the lights, he expects them to come on because he has become conditioned to receiving reliable electric service.

In order to ensure that the lights will come on and remain on as long as needed, the electric utility providing the service must install and maintain sufficient and properly functioning generating capability, along with the necessary transmission and distribution facilities, to satisfy the customers' requirements throughout the year. Reliable service can be assured only if the utility has not only enough generating capability to supply its seasonal peak demands but an additional amount or "reserve" to provide for both normal operating and emergency conditions.

Reserve, or reserve margin, is a term that's been in common use in the electric utility industry to express the difference between a power system's peak demand and the total demonstrated capability of its generating units. This difference is usually represented as a percentage of the peak demand. Although this approach has worked well within the industry for purposes of generation planning and assessment of the adequacy of capacity, the term "reserve" apparently has caused misunderstanding on the part of policymakers outside the industry, including, for example, regulatory commissions, who tend to think in terms of capacity utilization, such as hotel occupancy rates or steel production as a percentage of available capacity.

As a result, the electric utility industry has adopted the concept of "capacity margin." This is the difference between peak demand and total demonstrated generating

capability expressed as a percentage of capability, rather than demand (see illustration).

If a power system's total generating capability is enough to match only its peak demand, it will experience a capacity shortage when a generating unit malfunctions, for example, when it develops a boiler tube leak and has to be shut down for repairs. An adequate capacity margin provides not only for such forced outages but also for (a) routine preventive maintenance of generating units, (b) partial forced outages that curtail a unit's usable capacity due to equipment failure (such as pumps or pulverizers) and (c) deratings that also reduce a unit's available capacity (see illustration). Examples of such deratings include frozen coal that prevents a generating unit from producing its rated output or unseasonably warm weather that reduces cooling system efficiency. Capacity margin is also needed in daily system operation to provide for system frequency regulation, load swings and area protection. On a long-term basis, capacity margin is needed to provide for unanticipated increases in system load growth and for delays in new capacity coming on line.

Many factors influence the amount of capacity margin needed by a particular power system to serve its customers adequately. An appraisal of the installed capacity requirements for any given future year includes a careful evaluation of all factors having a significant effect on system reliability, including the size, type and unavailability performance of generating units, possible slippage of in-service dates of new units, the availability of supplemental capacity resources (contractually interruptible

What It Is and Why It's Needed

loads and emergency support from interconnected power systems), and system load characteristics. The amount of capacity margin planned for future years must also take into account the uncertainty of long-range load forecasts and the long lead times required to install new generating units. Finally, financial considerations dictate that capacity requirements be held to the minimum amount consistent with adequate system reliability.

A number of indices are used in assessing the reliability, and therefore the adequacy, of the capacity margins of a particular power system. These indices are based on analyses ranging from simple comparisons of peak load and capability to comprehensive, computer-based analyses using probability techniques. The simpler indices include: the gross installed reserve expressed in percentage of seasonal peak demand, the capacity margin at the time of seasonal peak demand expressed as a percentage of total generating capability, the average of a year's 12 monthly gross reserves, and the average of the 12 monthly capacity margins.

Another measure of system reliability — in some respects more meaningful than percentages of reserves or capacity margins — can be determined by expressing the magnitude of the system's installed reserve as a multiple of the largest generating unit size. This measures the ability of the power system to cover outages of its largest units and is useful also for gauging the compatibility of generating unit size with system size.

More complex reliability appraisals, employing computerized prob-

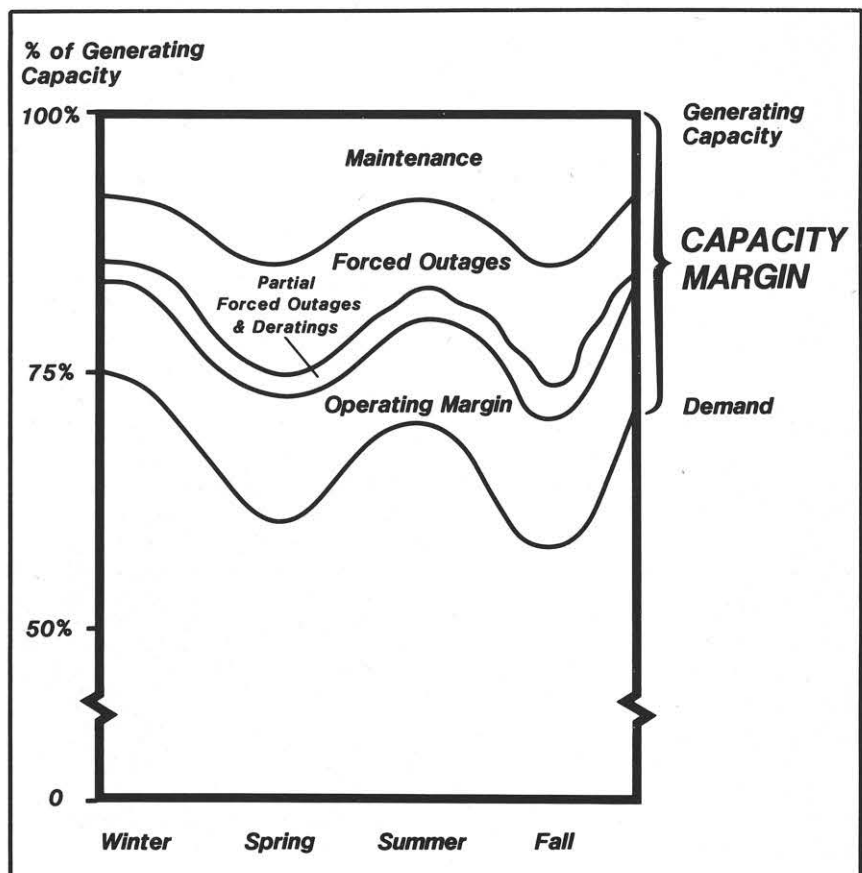
ability techniques, result in such indices as the expected number of capacity-deficient days in the year studied, the expected aggregate kilowatt-days of capacity deficiency in the year, and the number of kilowatthours of unserved energy.

A capacity-deficient day results when a power system's peak demand exceeds its available generating capacity at any time during the day, no matter how brief the period. Customers would not suffer blackouts or brownouts during capacity deficiencies if sufficient supplemental resources were available.

On the AEP System, however, the total amount of interruptible load

has diminished to less than 200,000 kw as a result of plant shutdowns caused by softness in the primary metals industry, and the extent to which interruptible customers can be curtailed is limited by contract terms. Interconnected neighboring power systems generally can be relied upon for emergency support, but not always, because they may incur coincident difficulties of their own. Also, because the concept of interconnected system operation is based upon systems equitably sharing obligations as well as benefits, a system should not excessively rely upon its neighbors for help.

(please turn to page 18)



(continued from page 17)

The AEP System does not adhere to any single, specific, rigid index of reliability in planning new generating units, but considers and evaluates the full range of the indices described.

The AEP System's capacity margin over last winter's peak demand was 25 percent. It is expected to increase to 25.9 percent by the end of 1988 when the new 1.3-million-kw Rockport Plant Unit 2, under construction in Indiana, is placed in service, and then to diminish gradually in later years. At presently forecasted system load growth rates — and disregarding the impact of possible acid rain legislation — the AEP System may not need any new capacity beyond Rockport Unit 2 and its share of the Zimmer Plant, projected for service by 1991, until the late 1990s.

The AEP System's present capacity margins are greater than planned in the late 1970s for this time. When the need for Rockport's two units was being evaluated, the system load had been expected to grow at a relatively robust rate of 6 percent per year. However, back-to-back recessions in 1980 and 1981-82 dampened industrial expansion in the AEP System area and fueled population migration to other parts of the U. S. As a result, peak demand has grown at only a 2 percent annual rate. In recognition of this, construction at Rockport was slowed, and its in-service dates for Units 1 and 2 were deferred from 1980 and 1981 to 1984 and 1988, respectively.

Although the AEP System's current capacity margins are greater than initially planned, effective use is being made of them.

The larger margins provide greater flexibility for system operation in terms of scheduling maintenance and dispatching units economically to satisfy varying load requirements. Also, generating capacity temporarily not required for meeting the needs of the System's own customers is being made available to neighboring power systems that are short on capacity or can use AEP's lower-cost energy to displace their own higher-cost energy, usually oil-fired. In 1984, AEP's net receipts from such "system sales" were about \$218 million. This amount was shared proportionately among the five operating companies of the AEP System that are members of the AEP pool — i.e., that have major generating facilities. System sales ultimately benefit the AEP System's customers by reducing the operating expenses that must be covered by rates. □

Bluefield JA company has successful year

TI-AMO Enterprises, the Junior Achievement Company sponsored by Appalachian Power's Bluefield Division, has closed its books following a successful year of operation. The Junior Achievers manufactured and marketed walnut desk sets and leather key fobs. This was the second consecutive year that an APCo-sponsored company exceeded \$1,000 in sales.

TI-AMO participants received two of the six scholarships given in Mercer County. Ronnie Hurst won a \$400 scholarship and Paula Peters an \$800 scholarship. Paula also won the president of the year competition and will participate in national JA competition at Indiana University. Bluefield Division employees serving as JA advisors this past year include: Harry Buston, meter electrician A; David Browning, engineering technician; Joe Turner, meter electrician A; and Bill Fisher, engineering technician senior. Fisher has served as an advisor for the past three

years. Next year he will serve as Mercer County JA advisor coordinator, working

with all JA companies there and with the JA office in Charleston, WV. □



Bluefield Division employees who served as Junior Achievement advisors this past year are pictured with the two Achievers who won scholarships. Seated, 1. to r., Ronnie Hurst, Bill Fisher, and Paula Peters. Standing, 1. to r., David Browning, Harry Buston, and Joe Turner.

Wingers host “walking grandmother”

On November 8, 1983, Jennifer Roy, mother of four and grandmother of seven, left Lone Pine, California, on a walking journey to Washington, D.C. She is accompanied only by her burro, Walter, and her German Shepherd, Tawaine. Their home along the way is a covered wagon.

“When I reach Washington,” Mrs. Roy says, “I will thank President Reagan for declaring 1983 ‘The Year of the Bible’. As I walk, I am gathering signatures on a scroll symbolic of our country’s loyalty and support of a free America, to be presented to the President. In honor of all veterans, past, present and future, I am carrying a vial of water from the Pacific Ocean, which I will pour into the Atlantic Ocean, symbolizing our country’s unity from coast to coast in remembering the loss of those who paid the supreme sacrifice for our freedom.”

Mrs. Roy continues, “On this trip, I am also raising funds for the New Life Camp, a permanent home for paralyzed and amputee veterans in California. I plan a home with two Christmas trees, one on each side of the fireplace. It will have big rooms where they can wheel around in their chairs. It will have spacious grounds with trails for their wheelchairs and space for animals. We at the New Life Camp want to give back freedom to these veterans and get them out of hospital confinement, except when they’re really sick. No one wants to spend the rest of his life in a hospital or rest home. We want them to have a home where they can feel loved and have Christian fellowship. While I was raising four of my own, I also reared thirty-eight foster children. Now my whole family is involved in the New Life Camp.”

While in the Roanoke area in late July, Mrs. Roy was a guest in the home of Kenny and Bonnie Winger. Kenny, Roanoke meter service mechanic A, recalls, “I had heard about Mrs. Roy and her walk. I happened to see her, so I stopped and asked her if she had plans to stay anywhere in particular. When she didn’t, I invited her to stay with us in Troutville. We met her at Dodge’s Store on US 11 on Friday and hauled her covered wagon, Walter, and Tawaine back to our place. We took her back on Monday morning so she could resume her journey at the place she stopped without missing a step.”



Posing with the covered wagon in the background are, l. to r., Jennifer Roy, Tawaine, Bonnie and Kenny Winger, and Walter.

During her walk across the nation, Mrs. Roy has done a lot of speaking, faced some less-than-desirable situations, and made a lot of friends such as the Wingers. “Speaking is one of the reasons the trip has taken so long, but that’s why I’m doing it,” she said. “I had a great meeting with the DAV (Disabled American Veterans) in Roanoke.” She has received keys to different towns along the way, and she’s been made an honorary citizen and even mayor.

“The people have been great. I’ve made the greatest friends — people from the backbone of this country. Where else could a grandmother go cross country by herself and gain fifty pounds?” she laughed. “People like Kenny and Bonnie have made me feel at home.”

Unlike her friends, however, the weather at times has not been kind. In their first winter, Mrs. Roy and Walter got caught in a blizzard in New Mexico. Last winter they traveled in Tennessee when the temperature was 24 below zero. “That was tough,” she recalled. “My first big challenge was to make it through Death Valley. But the humidity here (in Roanoke) is very tough, tougher than 105 degrees in Arizona.”

Eventually Mrs. Roy plans to write a book about the many people she has

met. While at the Wingers, she attended Appalachian’s Roanoke Division picnic held at the 4-H Center on Smith Mountain Lake. “I plan to mention this in the book,” she said. “I enjoyed my ride on the boat and in the bucket truck at the picnic.”

When the Wingers last heard from Mrs. Roy, she was in the vicinity of Richmond, Virginia. Since President Reagan is currently on vacation in California, she is in no hurry to reach the nation’s capitol.

Her return to California will be by way of a caravan in which the covered wagon will ride in a pickup truck and Walter in a horse trailer. Transportation will be provided by people she met along the way who signed up to help. The Wingers hope they can be among the friends who see her on her way back. “It was a really interesting weekend,” Bonnie said. “She’s a really neat lady, a genuine person.” □

Horsepower

Man and beasts have pulling in their blood.

Bob, Prince, and Spook used to work on Amish farms in Ohio. Now they live in the Wadlow Gap section of Scott County, Virginia, where they feast on corn and exercise nearly every day beneath a weeping willow tree on Georgia Jo Couch's farm, preparing for competition.

They are athletes. Their goal is to pull weight, two to four tons at a time, in contests held throughout Virginia, Tennessee, and North Carolina.

Their best friend, Danny Hensley, who also is their owner, calls them "nervy." Danny, a meter reader in the Gate City area of Abingdon Division, is proud of Bob, Prince, Spook, and his other draft horses.

Horse pulling is a hobby that entails many hours of labor — cleaning stalls, feeding, shoeing, and working the horses — on a daily basis. But for Danny it is a great source of pleasure to watch his horses excel at pulls, to swap stories with others engaged in the practice, and generally just to "fool with" his animals.

Danny said he has been around horses and horsemen since he was a child. "It sort of gets in your blood, and you can't quit."

Prince and Spook, 8-year-old Belgians, are his No. 1 team. "I believe those two enjoy it. They're the only two I've ever had in my life that you don't have to do anything to 'em. Just take 'em out there and hook 'em up. They'll give you everything they've got, every time. And they really go good together. When one's moving his left foot, the other's moving his left foot," Danny said, as the spirited team pulled a 3,000-pound sled across a dirt course on a recent Friday afternoon.

Horse pulling, which flourished and faded with the rise and decline of rural fairs decades ago, is enjoying a resurgence of interest. Farmers, like Danny's grand-

father, once took their plow horses to the fairs for pull contests. Although most still are suited for farm work, pulling competitions now are the primary purpose for the purebred horses.

A lot of pampering and training is involved in building a team of quality pull horses. "You just can't take a horse out of the barn and go out and pull him. We work them four hours a day about every day just to build them up and get them stout enough," said Danny, who added that it is a bit like body building for both horse and man.

"That biggest horse of mine weighed 1,855 pounds. He won't weigh but about 1,750 right now after we've been working him. He's in better shape now. There's more muscle, and he feels a lot better. He's got a lot more wind," said Danny.

"Working" pull horses entails hitching them to 1,000-pound metal sleds onto which are added blocks weighing 100 pounds each. The horses drag the sleds for hours at a time, pausing often and then less frequently for breath, until inherent traits are honed.

"They've got to have it in 'em. Every horse I've got here is not a pulling horse. Back there's a horse that's as big as any one of them down there, and he won't pull nothing. He's a farm horse, but he won't pull nothing. When it gets heavy, he sort of backs off and lets the other horse pull. He's kind of like me," Danny said and laughed.

At a competition, a team may be urged to pull a thousand or more pounds at least 27½ feet, the standard pull length.

"I've seen from 12,500 pounds on down to 6,500 pounds win it. It's just the difference in the ground you pull on and the differences in the sleds. If the ground's wet, you can pull more than if it's dry," Danny explained.

"There are a lot of misconceptions about horse pulling. Some think it's cruel. I've never injured a horse. I take mine off if I see that they can't pull the weight. I pat 'em on the back and come on back to the barn with 'em. There's very few horses hurt pulling." □

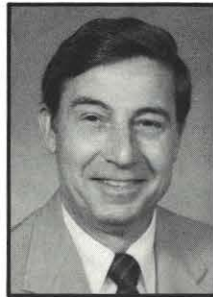
Story by Ron Garland; photo by Larry Turner. Reprinted with permission from Kingsport Times-News.



Danny Hensley trains draft horses Prince, left, and Spook.

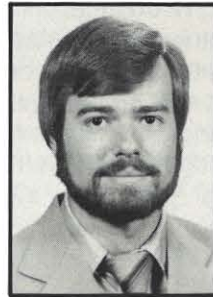
Promotions

E. T. "Shorty" Jones, Jr., customer accounts coordinator, was promoted to customer accounts manager, GO Marketing and Customer Services, Roanoke, on September 1.

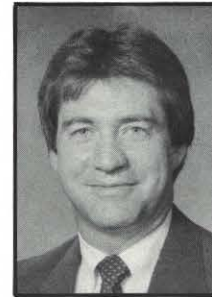


Jones

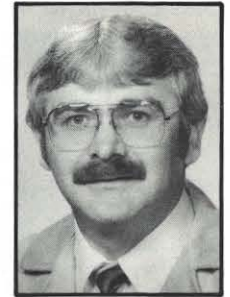
Frank A. Webb, electrical engineer, was promoted to relay engineer senior, GO T&D Station, Roanoke, on April 1. He holds a bachelor of science degree in electrical engineering from West Virginia University.



Webb

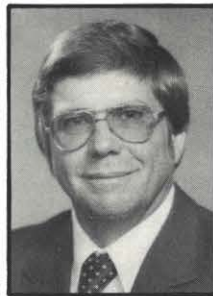


Heninger

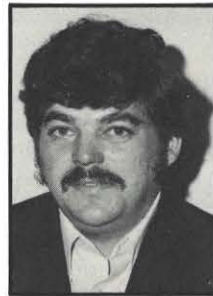


Breeding

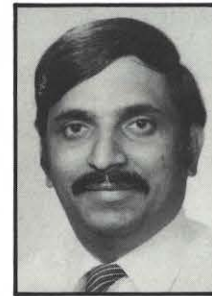
Deward Wayne Heninger, junior buyer, was promoted to stores assistant, GO Purchasing, Roanoke, on August 1. He holds a bachelor of arts degree in history from Emory & Henry College.



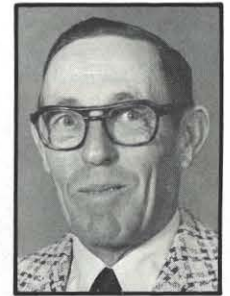
Likens



Cantrell



Kanth

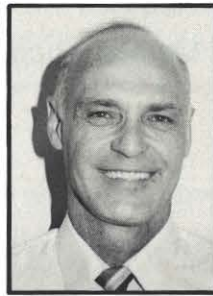


Spraker

Claude Breeding, coal equipment operator, was promoted to assistant yard superintendent at John E. Amos Plant on July 1.

T. Wayne Likens, line crew supervisor nonexempt, was promoted to line construction and maintenance representative exempt in Roanoke on August 1.

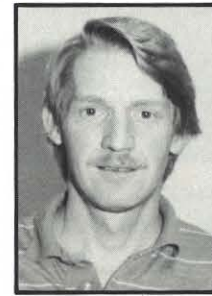
Ronnie Cantrell, line mechanic A, was promoted to line crew supervisor non-exempt in the Grundy area of Bluefield Division on June 1.



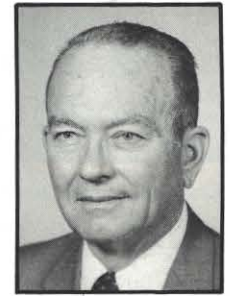
Hall



Green



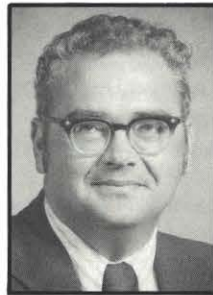
Coleman



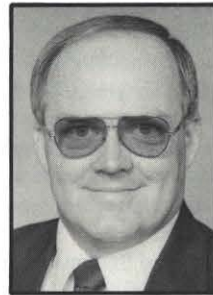
Dunham

Hrudaya M. Kanth, plant chemist, was promoted to performance technician supervisor at John E. Amos plant on August 1. He holds a bachelor of science degree in chemistry from West Virginia State College and is pursuing a masters degree in business administration from Marshall University.

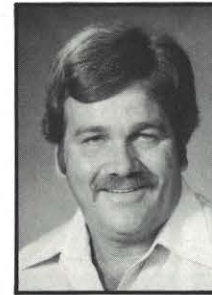
Dallas E. Spraker, hydro mechanic A, was promoted to hydro plant supervisor, GO Hydro, Buck and Byllesby, on April 1.



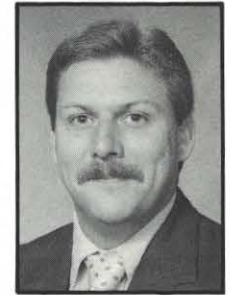
Vaught



Philpott



Harmon



Camper

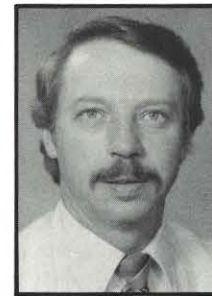
James A. Hall, assistant shift operating engineer, was promoted to shift operating engineer at Kanawha River Plant on August 1.

Larry M. Green, unit supervisor, was promoted to assistant shift operating engineer at Kanawha River Plant on August 1. He attended the West Virginia Institute of Technology.

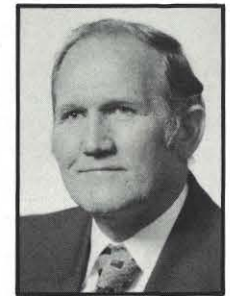
Dave A. Coleman, equipment operator A, was promoted to unit supervisor at Kanawha River Plant on August 1.

James A. Dunham, energy services manager, was named to the newly created position of energy services

programs administrator, GO Marketing and Customer Services, Roanoke, on September 1. He holds a bachelor of science degree in agricultural engineering from Virginia Polytechnic Institute and State University and has attended the AEP Management Program at the University of Michigan Graduate School of Business Administration.



Frango



McMillan

(please turn to page 22)

Dan E. Vaught, Huntington marketing and customer services manager, was promoted to energy services manager, GO Marketing and Customer Services, Roanoke, on September 1. He holds a bachelor of science degree in agricultural engineering from Virginia Polytechnic Institute and State University and has attended the AEP Management Program at the University of Michigan Graduate School of Business Administration.

R. T. "Tom" Philpott, hydro special clerk nonexempt, GO Hydro, Roanoke, was promoted to building supervisor exempt, GO General Services, Roanoke, on September 1. He holds an associate degree in business administration from National Business College.

Ernest L. Harmon, transmission mechanic A, was promoted to transmission line crew supervisor, GO T&D Transmission, Bluefield, on July 1.

Walter Phillip Camper, civil engineer, was promoted to civil engineer senior, GO T&D Civil Engineering, Roanoke, on June 1. He holds a bachelor of science degree in civil engineering from Virginia Military Institute.

Frank R. Frango, Jr., stores attendant senior, GO T&D Stores, Roanoke, was promoted to Roanoke stores supervisor on August 16.

N. E. McMillan, maintenance mechanic A, was promoted to maintenance supervisor at Clinch River Plant on January 1, 1984.

D. R. Higgins, maintenance mechanic A, was promoted to maintenance supervisor at Clinch River Plant on September 1, 1984.

B. G. Hobbs, unit supervisor, was promoted to assistant shift operating engineer at Clinch River Plant on October 1, 1984.

C. W. Edmonds, equipment operator A, was promoted to unit supervisor at Clinch River Plant on October 1, 1984.

D. W. McClanahan, performance engineer, was promoted to performance engineer senior at Clinch River Plant on April 1.

R. E. Mullins, Jr., performance engineer, was promoted to performance engineer senior at Clinch River Plant on April 1.

E. R. Justice, unit supervisor, was promoted to assistant shift operating engineer at Clinch River Plant on June 1.

K. D. Lambert, assistant shift operating engineer, was promoted to shift operating engineer at Clinch River Plant on June 1.

O. J. Cantrell, equipment operator A, was promoted to unit supervisor at Clinch River Plant on June 1.

Abingdon

Connie Jackson from customer accounts representative C to customer accounts representative B.

Beckley

Loretta Pryor from customer accounts representative C to customer accounts representative B.

Bluefield

Sherry Barker from cashier C to cashier B, Princeton.

Central Machine Shop

Billy McGrew from machinist 3rd class to machinist 2nd class.

Centralized Plant Maintenance

Teresa Brannan from field clerk C to personnel clerk B.

Clinch River

Scottie Stoots from utility worker A to equipment operator C.

Kathy Shortridge from equipment operator C to equipment operator B.

David Lowe from utility worker A to equipment operator C.

Robin Fraley from equipment operator C to equipment operator B.

Connie Helbert from plant clerk C to plant clerk B.
David Ratliff from utility worker B to utility worker A.

Jerry Hart from maintenance mechanic D to maintenance mechanic C.

Allen Walsh, Jr., from utility worker B to utility worker A.

Leonard Summers from utility worker B to utility worker A.

Helen Ball from plant clerk C to plant clerk B.

Clarence Prater from maintenance mechanic D to maintenance mechanic C.

Woodrow McClanahan II from utility worker A to equipment operator C.

Jack Blackson from equipment operator C to equipment operator B.

Sidney McCoy from equipment operator B to equipment operator A.

Rickey Fogg from equipment operator B to equipment operator A.

General Office

Larry Lilly from transmission station mechanic D to transmission station mechanic C, GO T&D Transmission, Turner.

Roger Blankenship from engineering technician to engineering technician senior, GO T&D Communication, Charleston.

Johnny Quarles, from utility worker A to hydro mechanic D, GO Hydro, Smith Mountain.

John Dalton from utility worker A to hydro mechanic D, GO Hydro, Smith Mountain.

Glen Lyn

Danny Mitchem from utility worker B to utility worker A.

Logan-Williamson

J. M. Hannah from line mechanic D to line mechanic C, Logan.

J. M. Cheek from line mechanic C to line mechanic B, Logan.

E. D. Starr from station mechanic B to station mechanic A, Williamson.

Bradley named personnel director

Edward C. Bradley was promoted to personnel director of Appalachian Power Company on August 1. He succeeds H. E. "Butch" Rhodes, who was elected vice president-operations of the company.



A native of Cincinnati, Ohio, Bradley holds a bachelor of science degree in business administration from Xavier University. He also attended the American Electric Power System Management Program at the University of Michigan Graduate School of Business Administration.

Bradley joined Appalachian in 1968 as an administrative assistant in Roanoke. He was promoted to area development consultant in Pulaski in 1973, personnel supervisor of Kanawha River Plant in 1957, personnel supervisor of John E. Amos Plant in 1977, and assistant labor relations supervisor in 1980. He has been labor relations manager since 1982. □

Retirements

"I think Appalachian is a great company to work for; I always have. I have been happy with my 46 years here," claims **Howard Basham**, customer accounts manager, GO Marketing and Customer Services, Roanoke. "I worked with many fine people who became my friends and helped me along the way. I appreciate the management of the company. I believe in the safety program and know that it has benefited me and my family in many ways. Reaching this level of management was a fine way to end my career. After retiring September 1, I'm

not going to change my lifestyle a lot as far as my extracurricular activities are concerned. Music is my hobby, and I am looking forward to having more time for this. I presently am directing a choir at the First Church of God in Christiansburg. Audrey and I will travel some but not extensively. We prefer short trips to historic points of interest in Virginia or within driving distance. I also want to fix up my library — I have about 1500 volumes — and do a lot of reading I haven't had time to do." □



"Back in the early days, there were not too many places to work in this part of the country except the railroad, the mines, and the power company," relates **Walter "Hoppy" Cochran**. "I would have begged, borrowed and stolen before I went in the mines, so I settled on Appalachian. It's been a mighty fine place to work, and the benefits are good." He continues, "The mountains are what I will remember the most about my job. It is rough working in the mountains, and it takes a special type of person to stick with it. I've gotten tired, so

that's why I elected early retirement on September 1." Hoppy, who was transmission line crew supervisor in the GO-T&D Department, Bluefield, claims travel is not in his plans. "Being on the road four days a week for so many years, I have traveled just about enough. It will be an adjustment to be home all the time, but I believe I can make it. I just want to slide out, like McArthur, but not return." □



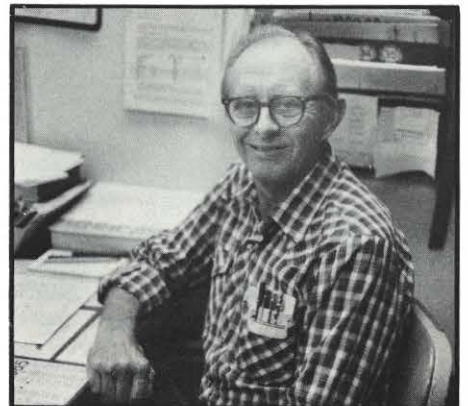
"I really enjoyed my job because I met so many people every day," says **Louie DeFelice**, who was an automotive mechanic A in the Welch area of Bluefield Division before electing early retirement on September 1. "What I will miss most is the connection with all the people from whom I bought parts. Everywhere I went, people called me 'Appalachian,' not by my name. After I leave here, I probably won't see most of them again." He adds, "The decision to retire was a hard one to make. I don't have any hobbies, so I am going to take each day as it comes. Next

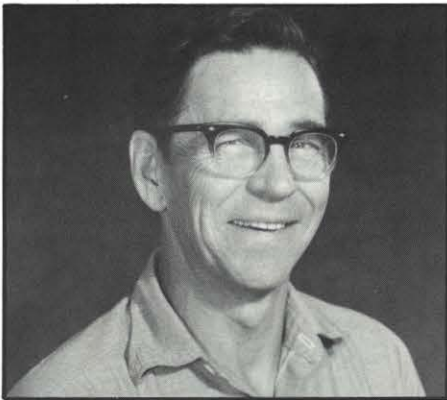
year my wife and I are going to Italy for a five-week vacation. I was born in the United States, but my family went back to Italy during the Depression and I went to school there. I haven't been to Italy in 45 years, and there are a lot of people I want to see." Louie is particularly fond of the APCo jacket he received when the Bluefield Division reached 2-million safe work-hours. "I wear it just on special occasions," he notes. □



"I started at Philip Sporn Plant as an iron worker when the first two units were going in," recalls **Bill Wentzell**. "Little did I realize when I was working on the iron in the storeroom section that 36 years later I would be retiring from that very same spot. When I left construction, I started in the Yard Department, putting down coal for the base. One of the exciting things for me was being there when the first coal to be used in Unit 1 came up on the conveyor belt. Then I took my training in the Operations Department for the start-up of Unit 2 and

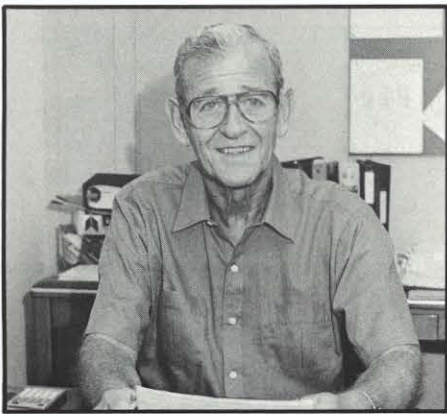
worked my way up to unit foreman. In 1963 I decided I didn't want any more shift work and went into the storeroom. I may not have gotten very far here, but I have enjoyed it." Bill retired on September 1 as a stores attendant. He adds, "I've made a lot of friends here, but I'm looking forward to having more time to fish and travel. I also have a little place out in the country where I raise a few head of cattle." □





"I started working at Kanawha River Plant in March 1953 as the number one auxiliary equipment operator on Unit 2," recalls **Guy Hartman**. "We studied and observed the assembly of both units, gaining very useful knowledge and experience for bringing Units 1 and 2 into operation. When I retired on September 1 as shift operating engineer, I had worked over 32 years without a disabling injury. The company has been good to me, providing a steady job and good benefits. I enjoyed the friendship and

helpfulness of my fellow workers." Guy adds, "We plan to continue living in Marmet during retirement. We enjoy camping and traveling, and I like to work with wood, hunt, and fish." The Hartmans have four children and three grandchildren. Guy notes, "Now we'll have more time to visit our daughter, son-in-law, and grandson who live in Toronto, Canada." During World War II, Guy served with the U. S. Army 2016th Ordnance Maintenance Company attached to the Air Force on Guam. □



"I actually quit a \$1.25-an-hour job with the City of Huntington to come to work for the power company at 86½ cents an hour," recalls **Roy "Ike" Bates**. "I had worked several political jobs, and I felt like there might be more security at Appalachian." Ike was an engineering technician senior in Huntington before electing early retirement on September 1 after 37 years' service. He had been on long term disability leave since April. Ike states, "Appalachian is a fine company to work for, and the people are lovely. The savings plan is the best thing

the company has ever offered, and I don't know what I would have done without the hospitalization program. I'd like to take this opportunity to say how much I appreciate the fact that Mike Fotos (division superintendent) and Fred Helm (division manager) have gone out of their way to help me." Ike concludes, "I've done a lot of surveying over the years, and I always enjoyed working in my yard. But my biggest hobby is traveling to Daytona. We go three or four times a year." □

Glen Lyn men catch citation fish



Four Glen Lyn Plant employees tried their luck at deep sea fishing, with more than satisfactory results. Danny Richardson, utility worker A; James Skeens, equipment operator A; Lynn Morgan, instrument mechanic C; and Marshall Dunn, equipment operator B, chartered a boat from Cape Hatteras Marina and hooked 213 pounds of fish. Among their catch were three of citation size. Richardson caught a 6-foot sailfish and 32-pound dolphin, while Morgan captured a 30-pound dolphin. Showing off some of their catch are 1. to r., Richardson, Skeens, Morgan, and Dunn.

Who's News

Charleston



Meter Reader **Milford Zeigler**, coach of the Capitol City Striders Track Club discus and shotput team, competed in the U. S. Amateur Athletics Union competition in Indianapolis, IN, and placed first in the Wilma Rudolph Invitational. □

Pulaski

Shannon, son of Bill Brewer, line construction and maintenance representative, and **Scott**, son of Beverly Reynolds, stenographer, were members of the Pride Car Wash Mets baseball team in the 13-14-year-old division of the Dixie

Youth League which tied for first place during regular season play with a 9-2 record. They also won first place in the championship series with a score of 11-10 in the tenth inning. Shannon scored the winning run on Scott's hit and was chosen most valuable player in the championship game.

Personnel Supervisor **Wayne Hurt** has been elected a member of the board of directors of the Pulaski Chapter of the American Red Cross. **Dan**, husband of Debbie Grubb, customer accounts representative B, was reelected to the board.

Richard, son of Fred Myers, customer accounts supervisor, won first place in the district and region of Hershey's National Track and Field competition as well as second place in the state. Richard competed in the softball throw for distance and accuracy event. He also was chosen as a member of the Town of Pulaski Dixie Youth baseball all-star team for 11-12-year-olds. He plays shortstop and pitcher.

Alyson and **Erin**, daughters of Emory Felty, Wytheville collector, won first and second places, respectively, in the July 4th decorate your bike contest sponsored by the Wytheville Jaycees. □

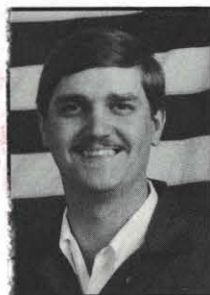
Abingdon

Cindy, daughter of Berkley Burkett, Mar-



ion meter reader, received the Jimmy Bryant Scholarship presented by the Virginia High School Coaches Association. The \$500 scholarship is given annually to a Virginia graduating senior who plans

to enter the coaching field after college. Cindy will attend Emory & Henry College this fall.



Mark McCormick, station mechanic D, has been elected president of the Abingdon Volunteer Fire Department.

Brenda Price, junior stenographer, has been elected corresponding secretary of the Washington County Chapter of Professional Secretaries International for 1985-86. □

Sporn 5 wins anniversary tournament



The Gallipolis Men's Bowling Association held its twenty-fifth anniversary bowling tournament at Skyline Lanes. Thirty-five teams participated in the three-week event, which was organized and directed by David Somerville, maintenance mechanic B at Centralized Plant Maintenance and secretary of the bowling association. The Sporn 5 team compiled a total of 3,157 pins to take first in the team event. Unit Supervisor Carl Cline and Stores Assistant Senior Jim Mitchell captured second place in the doubles competition, while Coal Yard Supervisor Harold Russell and Personnel Assistant Randy Nicewonder took sixth. Members of the Sporn 5 team are 1. to r., Burt Hickman, Randy Nicewonder, Jim Mitchell, Harold Russell, and Carl Cline.

Mountaineer

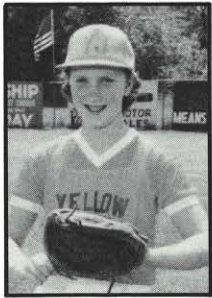
The Chester I tee-ball team, coached by Coal Handler **Lee Hysell**, had an undefeated season with an 8-0 record and claimed the Eastern Area League championship. Lee's son, **J. R.**, played on the team. □

Kingsport

Lisa, daughter of Line Crew Supervisor Jack Hunt, has been selected for inclusion in "Who's Who Among American High School Students" for the second consecutive year. An AEP Educational Award winner, Lisa will study engineering at Tennessee Tech University.

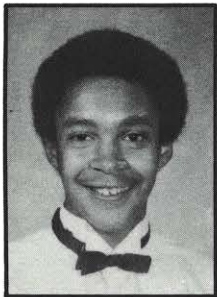
Marvin Simpson, executive assistant, was elected chairman of the Sullivan County-Kingsport-Bristol Industrial Commission for 1985-86. □

Beckley

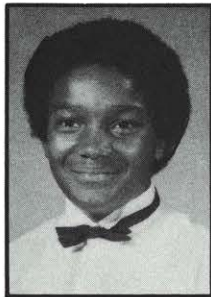


Kimberly, daughter of Jim Dunford, stores attendant B, was selected for the All Star girls' softball team, which represented the Girls' Little League of Beckley.

Michael, son of Basil Bolen, line crew supervisor nonexempt, was selected for the Beckley Babe Ruth 13-year-old All Star baseball team.



Tyrone Hall



Troy Hall

The sons of Meter Reader John Hall have been recognized for their scholastic ability. **Tyrone**, a senior at Woodrow Wilson High School, has been nominated for recognition in "Who's Who Among American High School Students, 1984-85". **Troy** was presented the Algebra I award by the faculty of Park Junior High School.

David Ransom, Rupert engineering technician, tied for fourth place in the championship flight of the Fourth Annual RC/WRRL Golf Open at the Western Greenbrier Hills Golf Club, Rainelle. Seventy-five golfers participated in the event. □

Bluefield

Doug, son of D. M. McClanahan, station mechanic A, was selected to the Bluefield, VA, Little League all-star baseball team. He played center field for the Falls Mills Falcons, who went 13-1 during the regular season.

Division Manager **Tom Rotenberry** has been elected to the advisory board of Dominion Bank, Bluefield, VA.

Jesse Ruble, line mechanic A, won first place in the Third Annual Millionaire 5-

Ron Crews wins Chevette

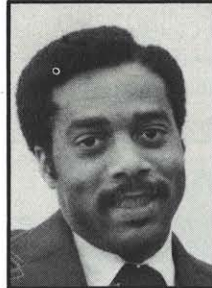


Rainelle Meter Reader Ron Crews is the lucky winner of this new Chevrolet Chevette in a drawing held by Groves Supply, a local heating and cooling dealer.

mile Run with a time of 27:19. This was a personal record for Jesse, who earlier this summer qualified for next year's Boston Marathon. □

General Office

Larry Houston, communication specialist, GO T&D Communication, Bluefield, was presented the distinguished service award by the Greater Bluefield Jaycees. This is the highest in-chapter award which can be given.



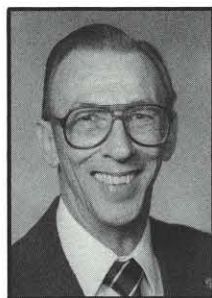
Logan-Williamson



W. W. Moseley, Jr. Williamson electrical engineer senior, admires the plaque he was awarded by the Williamson Lions Club for his selection as 1984-85 Lion of the Year. He served as president of the club during that period.

Bob Hatfield, Williamson general servicer, took largest bass honors with his 5 lb. 4 oz. catch at a recent Lake Cumberland, KY, bass tournament.

A. Gordon Thornton, Jr., staff engineer, GO T&D Communication, Roanoke, has been elected president of the Roanoke chapter of Cosmopolitan International for 1985-86.



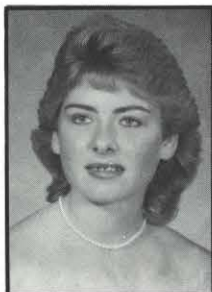
Alvin Croy, distribution superintendent, GO T&D Distribution, Roanoke, was elected general chairman of the Lions Club International Foundation Committee for the State of Virginia.

C. D. Niday, engineering technician, GO T&D Communication, Charleston, was elected president of the board of directors of the Cross Lanes Volunteer Ambulance Authority. □



Angela Rose, daughter of H. E. Ruloff, Jr., division superintendent, was selected as a member of the Logan High School varsity cheerleading squad for 1985-86.

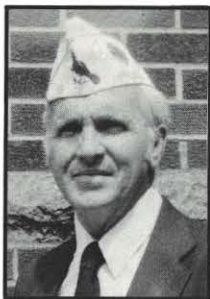
Donna, daughter of Marion Davis, Jr., Logan line crew supervisor, has been selected as a Mingo County All-Tournament cheerleader for five consecutive years. She twice was chosen best all-around cheerleader at Lenore High School.



She graduated with a 3.25 grade point average and received several honors: National Scholar Athlete Award from the United States Army Reserve, honor medallion for taking all required college prep courses, and the Journalism Award. Donna was homecoming queen and was selected to compete for the Miss Kiwanis Bowl Queen last month. □

Lynchburg

William Robertson, station mechanic A, was elected Western Zone Vice Commander for the State of Virginia at the American Legion Department of Virginia's 67th annual state convention. He is a past recipient of the "Legionnaire of the Year" award for Post 16. He served as Post Commander during 1981-82 and two consecutive years as 10th District Commander. William is also secretary of Marshall Masonic Lodge No. 39.



Dan, son of Dick Shepard, customer accounts supervisor, won the Roanoke Valley Golf Association Junior Championship in the 13-15 year-old age division. Competing against 50 other golfers, Dan posted scores of 78 at Blue Hills Golf Club and 85 at Botetourt Golf Club to win the event by one stroke on the final hole over last year's defending champion. □



Logan-Williamson golf winners



The annual spring golf classic for Logan-Williamson Division was held at the Riverview Country Club in Madison, West Virginia. The winners included, 1. to r., Mike Adams, line crew supervisor nonexempt, first place in seventh flight; J. R. Nisbet, marketing and customer services supervisor, first place in first flight; Gary Watson, line and station superintendent, first place in fourth flight; F. H. Taylor, Jr., division manager, first place in eighth flight; and Willie Adkins, Williamson line mechanic B, next to the highest score. Not pictured are Harold Jimison, meter electrician A, first place in third flight; Mason Grimmert, Logan area service restorer, first place in sixth flight; Glen Hager, guest, first place in second flight; and Kirby Elkins, guest, first place in fifth flight.

Jim Hill meets TV and Film Star Ernest Borgnine

Many people visit Hollywood with the hope that maybe, just maybe, they'll be lucky enough to see one of the television or movie stars in person. Abingdon Drafter Jim Hill recently had the privilege of meeting Actor Ernest Borgnine, not in Hollywood but at a meeting of Abingdon Masonic Lodge #48. Borgnine was an aspiring actor with the Barter Theater when he joined the Lodge in 1948 and throughout the years has continued to support it financially. For his contributions, Borgnine, a 33rd degree Mason, was awarded an honorary lifetime membership in the Abingdon Lodge. Jim, who serves as junior warden, was a member of the presentation committee. □



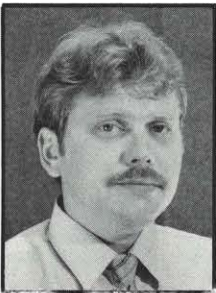
Jim Hill, left, and Ernest Borgnine.

Whitehurst appointed to state commission



Governor Chuck Robb, left, congratulates Pulaski Division Manager Jerry Whitehurst upon his appointment to the Southwest Virginia Economic Development Commission. The commission was established by the General Assembly this year and will be responsible for conducting a study and making recommendations to improve and enhance economic development in the region. Governor Robb's twelve appointees represent local government, industry, education, banking, economic development, and utilities. Photo courtesy *Southwest Virginia Enterprise*.

Class of 1985



Bill McCarley, Mountaineer Plant stores attendant, associate in business administration, Southeastern Business College.



Marlene Sharp Austin, daughter of Marler Sharp, Hillsville customer accounting supervisor nonexempt, associate in applied science degree in nursing, Wytheville Community College. □

Grogan selected for international poetry award



Kaye Grogan was selected by unanimous vote of the World of Poetry's board of directors to receive a Golden Poet Award of 1985. The wife of Burton Grogan, Fieldale line crew supervisor, Kaye was one of two hundred chosen from 430,000 poets worldwide to receive the honor for their remarkable contribution to poetry.

The awards were presented last month by Entertainer Steve Allen and John Campbell, editor and publisher of the World of Poetry. The ceremonies, held during a poetry convention in Reno, Nevada, were televised. Campbell noted that the Golden Poet Award is to the literary field what the Academy Awards are to the movie industry.

Kaye has been writing poetry for about three years. She holds several award of merit certificates and has had several poems published. She also had a book published in 1982, entitled "The Teacher's Pet." □

Morris promoted by National Guard

Ken Morris, Milton area supervisor in Huntington Division, has been promoted to Colonel and assigned as Deputy Commander Post — Mobilization Headquarters in the West Virginia Army National Guard. He rises to the position from that of Commander of Troop Command.

A graduate of Command and General Staff College, Morris has also served as state maintenance officer, supply and service officer at state level, supply staff officer of an engineer group, and commander of a maintenance company. □

Golden Anniversary



Fred E. Varney, Sr., retired Williamson area superintendent, and his wife Hazel celebrated their golden wedding anniversary on June 22. Their son, Fred, Jr., is on LTD leave from his job as a meter reader in Williamson.

APCo honored by Kanawha schools



Appalachian Power was recognized by the Kanawha County School Board for its participation in the advancement of science education by providing the Science Screen Report and the Screen News Digest to county schools. Bob Seymore, left, Kanawha County Schools science department supervisor, presented an honors award to Jack Shaver, Charleston administrative assistant, at a general school board meeting.

Weddings



Larew-Balyeat



Bias-Workman



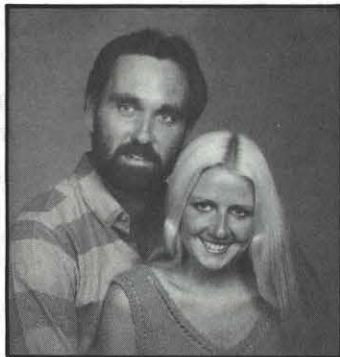
Jones-Easom



DeBoard-Jones



Reep-Kahle



Day-Penvose



Forbes-Frink



Epperly-Yates

Julia Balyeat, AEP Service Corporation secretary, to **Guy M. Larew**, AEP Service Corporation chemical engineer, May 18. Guy is the son of John R. Larew executive assistant, GO Executive, Roanoke.

Diane Workman, Logan customer accounts representative B, to **Ken Bias** June 22. Ken is the son of E. K. Bias Logan marketing and customer services representative.

Karen Easom to **Jeffrey Jones**, August 10. Jeffrey is the son of Donald Jones, equipment inspection superintendent at Central Machine Shop.

Anna Leigh Jones to Jeffrey Blake DeBoard, July 20. Anna Leigh is the daughter of James E. Jones, executive assistant, Go Executive, Roanoke.

Katy Ann Kahle to James W. Reep, July 20. Katy is the daughter of John B. Kahle, Abingdon power engineer senior.

Dani Lynn Penvose to **Clyde V. (Joe) Day, Jr.**, Huntington line mechanic A, July 19.

Patty Sloan to **Bob Miller**, Charleston meter reader, July 9.

Caroline Sue Frink to **David Mark Forbes**, June 22. David is the son of Douglas C. Forbes, safety manager, GO Personnel, Roanoke.

Elise Dawn Yates to **Jeffrey Lee Epperly**, Christiansburg line mechanic D, July 20. Elise is the daughter of Pat Yates, Christiansburg customer accounts representative B.

Stina Lee Roseberry to **Preston L. Albert**, August 3. Preston is the son of Steve Albert. Pulaski area servicer.

Melanie L. Hickman to **Jeffrey K. Atkinson**, Philip Sporn Plant performance engineer senior, July 27.

Sandra K. Satterfield, Philip Sporn Plant maintenance mechanic A, to Albert E. Stewart, July 6.

Linda Stull, tracer, GO T&D R/e & R/w, Roanoke, to David Markham, March 24.

Thelma Jean Bailey to **Mark W. Christian**, John E. Amos Plant maintenance mechanic C, July 17.

Lisa M. Loudermilk to **Bradley D. Moore**, John Amos Plant control technician, August 2.

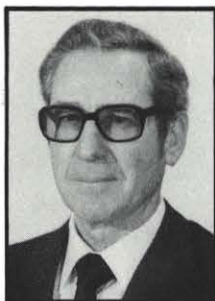
Carol R. McDougal to **Howard E. McDaniel**, Philip Sporn Plant control technician senior, July 6. □

Wed 50 years



Elmer and Vella Hutchinson, who observed their fiftieth wedding anniversary on July 8, were honored with a reception given by their family. Elmer is a retired planner in Beckley.

Service Anniversaries



Kellis McClaugherty
chief plant disp.
Glen Lyn
40 years



Jewell Woolridge
secretary
GO-Roanoke
35 years



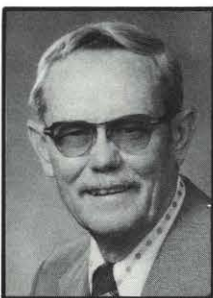
Ralph Baughan
office supervisor
Logan
35 years



Frances Keller
personnel assistant
Bluefield
35 years



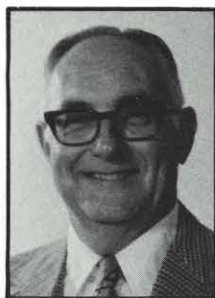
William Brown
shift op. eng.
Philip Sporn
35 years



McKinley Cornett
division supt.
Bluefield
35 years



Felix Porter
line crew supervisor
Charleston
35 years



George Evans
perf. eng. sr.
Glen Lyn
30 years



Mary Manning
secretary
GO-Roanoke
30 years



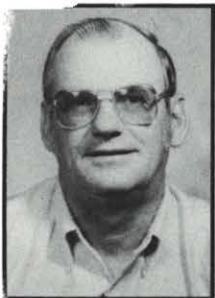
Al Croy
distribution supt.
GO-Roanoke
30 years



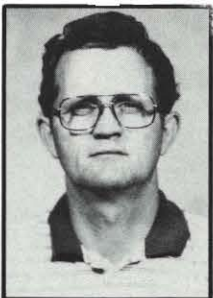
Nick Nichols
gen. line crew supv.
Fieldale
25 years



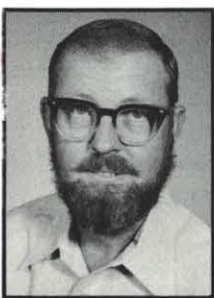
Fairley Long
inst. maint. supv.
Glen Lyn
20 years



Ralph Jones
line crew supervisor
Pulaski
20 years



Bob Woolwine
station mechanic A
Pulaski
20 years



Carl Dunham
area servicer
Point Pleasant
20 years

Abingdon

10 years: **Ronald Rose**, area T&D clerk B, Clintwood. **Warren Lindsey**, line mechanic A.

John Amos

15 years: **Bernard Schmidt, II**, performance engineer. 10 years: **Samuel Reese**, stores attendant. **Elmer Null**, maintenance mechanic B. **Ronald Young**, maintenance mechanic A. **Paul McLane**, maintenance mechanic A. 5 years: **John Reid**, coal handler. **Ray England**, coal handler. **Timothy Hardman**, coal handler. **Sammy Robinson**, coal handler.

Bluefield

15 years: **Albert Brown**, station mechanic A. **Ronald Bruffey**, line mechanic A. 10 years: **Bill Waldron**, meter electrician A. **Welch**. 5 years: **Alfred Elliott**, line mechanic C.

Central Machine Shop

10 years: **Scott Ash**, machinist 2nd class.

Charleston

35 years: **Wesley Kirby**, T&D clerk A (LTD). 10 years: **Sharon Drake**, custodian. 5 years: **Greg Bird**, engineering technician. **Roberta Russell**, customer accounts representative C. **Karen Smith**, customer accounts representative C.

Clinch River

10 years: **Ruby Lawson**, maintenance mechanic B.

General Office

25 years: **Dale Beaty**, classification and accounts payable clerk B, GO Accounting, Roanoke. 15 years: **Donald Torman**, transmission mechanic A, GO T&D Transmission, Charleston. **Robert Ashley**, transmission station mechanic A, GO T&D Station, Turner. 10 years: **Towanda Penn**, customer accounting clerk C, GO Accounting, Roanoke. **Jay Divers**, customer accounting accountant junior, GO Accounting, Roanoke. 5 years: **Charles Mills**, electrical engineer, GO T&D Station, Huntington. **Jon Steinmetz**, electrical engineer, GO T&D Meter, Charleston. **Emmett Lawrence**, surveyor assistant, GO T&D Civil Engineering, Roanoke. **Mike Neal**, electrical engineer, GO Hydro, Roanoke. **Grover Ham**, custodian, GO General Services, Roanoke. **Pete Tingle**, right of way agent, GO T&D R/e & R/w, Roanoke. **Glenn Echols**, operations engineer senior, GO Operations, Roanoke. **Barry Arrington**, right of way agent, GO T&D R/e & R/w, Roanoke.

Glen Lyn

5 years: **Vincent Scott, Jr.**, senior chemist.

Huntington

10 years: **Ruth Ferguson**, custodian.

Kanawha River

15 years: **George Williamson, III**, utility supervisor. **Glen Dahlin**, unit supervisor. **John Rocker**, barge handler (LTD). **Robert Schilling**, unit supervisor. **Philip Martin**, senior chemist. **Kenneth Moore**, maintenance mechanic B.

Friends We'll Miss

Kanawha Valley Power

10 years: David French, hydro utility operator B.

Logan-Williamson

35 years: Mildred Maynard, personnel clerk A, Logan.

Lynchburg

10 years: Kay Camden, secretary-stenographer B.

Mountaineer

5 years: Barry Marshall, barge handler. Jim Straight, maintenance mechanic B. Brian White, barge handler. Cliff Ashley, barge handler. Ed Ramsburg, barge handler.

Pulaski

5 years: David Ogle, meter reader, Galax. Kathie Buchanan, marketing and customer services advisor, Pearisburg. Don Abernathy, electrical engineer.

Roanoke

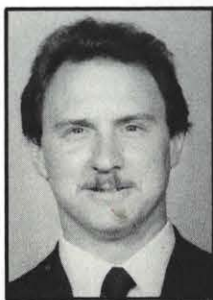
10 years: Michael Lawson, line mechanic C, Fieldale.

Philip Sporn

15 years: Raymond Sisk, Jr., tractor operator. □

Banta certified as registered engineer

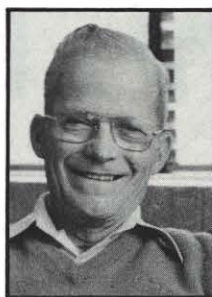
Timothy C. Banta, civil engineer-hydro, GO Hydro, Roanoke, has been certified by the Commonwealth of Virginia as a registered professional engineer.



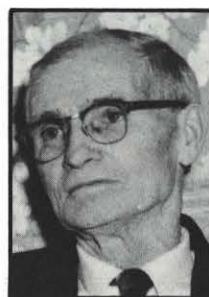
Tim holds a bachelor of science degree in civil engineering and a master of engineering degree from Virginia Polytechnic Institute and State University. He began his career with Appalachian in 1981. □



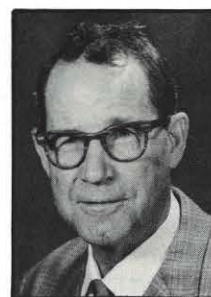
Miller



O'Daniels



Jennings



Akers



Trail

William L. Miller, 87, retired Charleston truck driver-groundman, died August 7. A native of Charleston, West Virginia, he was employed in 1919 as a truck driver and retired April 1, 1962. Miller is survived by his widow Mary, 1213 Copenhaver Drive, Charleston, WV, and two sons.

Charles W. O'Daniels, 62, retired Kanawha River Plant yard superintendent, died unexpectedly on August 10. A native of Ward, West Virginia, he was employed in 1950 as a laborer at Cabin Creek Plant and elected early retirement on May 1 of this year. O'Daniels is survived by his widow Patsy, Route 1, Box 46B, Oak Hill, WV; two sons; two daughters; and four grandchildren.

William Palmer Jennings, 92, retired Ansted area serviceman, died August 17. A native of Blue Creek, West Virginia, he was employed in 1934 as a utility man in Charleston and retired on February 1, 1958. Jennings is survived by his widow Clara Hazel, 1019½ South Sewell Street, Rainelle, WV; two sons; one daughter; and nine grandchildren.

Jack "Babe" Akers, 80, retired Williamson station foreman, died August 12. A native of Pikeville, Kentucky, he began his career in 1928 as a janitor and retired on May 1, 1970. Among Akers' survivors is his brother, Harold "Tucker" Akers, retired Williamson meter serviceman.

James R. Trail, 61, production superintendent-maintenance at Clinch River Plant, died August 20. A native of Chelyan, West Virginia, he began his career in 1948 as a laborer at Cabin Creek Plant. Trail is survived by his widow Alberta, Route 2, Box 11, Cleveland, VA; four sons; one daughter; and eleven grandchildren. □

Dave Martin is certified as safety professional

Dave Martin, Central Machine Shop personnel supervisor, is the first Appalachian Power employee to be certified by the Board of Certified Safety Professionals as a certified safety professional (CSP).



To receive certification, an applicant must meet educational and work experience requirements as well as pass a two-part exam. The first, called a core exam, is an eight-hour test for basic knowledge. After the applicant has acquired the prescribed work experience, he is eligible to sit for the eight-hour specialty examination.

Dave holds an associate degree in mechanical engineering technology and a bachelor of science degree in business administration from the West Virginia Institute of Technology. He also holds a masters in occupational safety and health from Marshall University. He began his career in 1970 as an engineer B at Glen Lyn Plant. He was promoted to personnel assistant at Mountaineer Plant in 1979 and to personnel supervisor of Central Machine Shop in July of this year. □

