

ILLUMINATOR

September 1987

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A Family of
Companies...

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The inside story

ILLUMINATOR

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Published for employees of:



**APPALACHIAN
POWER**



**KINGSPORT
POWER**

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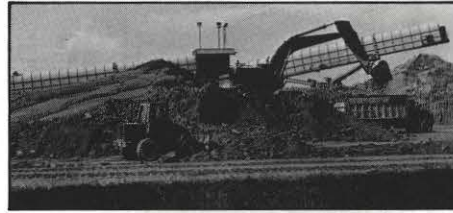
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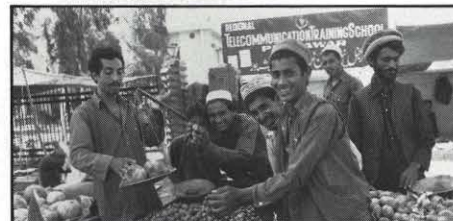


3 Scrubbers present unique environmental challenges

Last in a series of articles on environmental research in the AEP System.

4 AEP companies introduce new corporate identity

With this new logotype, we seek to achieve an image of a family of progressive electric utilities integrated into one major power system.



9 PAKISTAN: a country caught in the middle

First in a three-part series on AEP's Pakistan project, written by Indiana Michigan's Mike Brian, who spent three months in Pakistan.

AEP Savings Plan

Date	Fixed Income Fund		Equity Fund		AEP Stock Fund	
	VPU	UCPD	VPU	UCPD	VPU	UCPD
8/31/86	2.5160	.3975	4.5045	.2220	3.7421	.2672
9/30/86	2.5420	.3934	4.1383	.2416	3.2777	.3051
10/31/86	2.5692	.3892	4.3668	.2290	3.6452	.2743
11/30/86	2.5957	.3852	4.4757	.2234	3.6382	.2748
12/31/86	2.6233	.3812	4.3578	.2295	3.4096	.2933
1/31/87	2.6518	.3771	4.9397	.2024	3.8628	.2589
2/28/87	2.6775	.3734	5.1423	.1944	3.7315	.2679
3/31/87	2.7057	.3695	5.2830	.1892	3.5921	.2783
4/30/87	2.7335	.3658	5.2395	.1908	3.5472	.2819
5/31/87	2.7623	.3620	5.2923	.1889	3.4429	.2904
6/30/87	2.7904	.3583	5.5476	.1802	3.5542	.2813
7/31/87	2.8196	.3547	5.8344	.1713	3.5391	.2825

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.

CSP to retire Poston Plant

Columbus Southern Power Company last month announced the forthcoming retirement of its 38-year-old Poston Plant near Athens, Ohio. The tentative closing date is November 1, 1987.

William J. Lhota, president of Columbus Southern, cited high operating costs and the non-feasibility of rehabilitation work to extend the plant's lifespan.

Poston's 93 employees all will be offered employment at other company locations or at plants operated by other AEP companies. "These are skilled and valued employees. We don't want to lose them," Lhota said.

The 216,000-kilowatt plant has two 43,000-kw units and two 65,000-kw units. One of the latter is not operable, however, reducing the plant's capability to 151,000-kw.

"This was a difficult but unavoidable decision," Lhota said. "Poston has served the company, this area and our customers well for nearly 40 years. But it has just worn out, in terms of today's efficiency standards, just as any hard-working piece of machinery of that vintage would."

Lhota summarized the plant's deficiencies in two general categories: heat rate and production/operating factors.

Heat rate is a measure of generating efficiency: the higher the rate, the less efficient. Poston's heat rate is nearly 14,000 Btu. In 1986, the average heat-rate for all AEP plants was 9,879 Btu per kwh.

The production/operating factors cited, among others, included, serious and recurring boiler problems in the three operating units. Parts from the deactivated unit 4 were used to repair its twin unit, he added.

Lhota explained that rehabilitation costs would be too high, operating costs would still remain high and any extended lifespan would be too minimal to make that option feasible.

Poston was named for Elias McClellan Poston, a Hocking Valley industrialist who founded a Columbus Southern predecessor company. □

Lynchburg reaches 500,000 mark



Lynchburg Division employees were treated to breakfast recently in celebration of their having reached 500,000 workhours without a disabling injury. Their safe record began on October 15, 1985, and the milestone was reached on July 17, 1987. Division Manager J. Robert Davenport noted that this is a very significant accomplishment, particularly for a small division, since it took more than 21 months to amass this many hours.

Appalachian Power to redeem preferred

Appalachian Power Company last month announced that on November 1 it will redeem 100,000 shares of its 900,000 outstanding shares of \$4.18 cumulative preferred stock.

The redemption price will be \$25 per share. The accrued quarterly dividend of \$1.045 per share, payable November 1 will be paid by checks mailed to shareholders in the usual manner.

The redemption is being made under terms of the sinking fund established for retirement of the series. These terms require Appalachian Power to redeem 50,000 shares or 5% of the series on November 1 each year, beginning in 1986. In addition, the company has exercised its non-cumulative option to redeem another 50,000 shares on the 1987 redemption date.

Transfer books for the \$4.18 series will be closed at the close of business on September 11 to allow for selection by lot of the shares to be redeemed. They will be reopened on or about September 25, when the notice of redemption is expected to be mailed to holders of record of the shares to be redeemed. Morgan Shareholder Services Trust Company, New York, is the sinking fund agent. □

Education award deadline October 9

October 9 is the registration deadline for the 1988 AEP System Education Awards. The 33rd annual competition is open to employees' children who are seniors in high school and plan to enter college in September 1988.

Contestants will vie for 34 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 do not take the SAT in their junior year, or wish to take it again, are required to take the SAT to be given December 5.

Selection of the award winners will be made next year by an impartial educator with no affiliation to AEP. Details and registration forms are available in your local Personnel Department. □

Scrubbers present unique

(Last in a Series)

You might call it a trade-off of environmental problems. Electric utilities required to protect the air from sulfur dioxide from coal combustion instead must cope with the environmental challenge of the proper disposal of the resulting desulfurization waste product on the ground.

The source of this trade-off? This "necessary evil" is the flue-gas desulfurization system, or scrubber. It removes sulfur dioxide from the gases created by coal combustion at power plants. This is done with a spray generally consisting of lime or limestone and water. Its by-product, the one responsible for costly, elaborate environmental measures to protect groundwater, is sludge, which is processed into a cement-like waste material suitable for land disposal.

Of the AEP System's 20 operating coal-fired plants, only Columbus Southern Power Company's 1.9-million-kilowatt Conesville Plant has flue-gas scrubbers. However, they are on only two of the plant's six units, the 375,000-kw Units 5 and 6, which became operational in 1976 and 1978, respectively. They are the result of CSP's decision in the early 1970s to burn high-sulfur Ohio coal in its new units rather than low-sulfur coal, to meet strict emissions standards established by the Clean Air Act of 1970.

The scrubbers have had a significant effect on Conesville's operations, as they have had on every utility using this technology.

To understand more thoroughly this impact, it's important to know the basic operation of a typical lime or limestone scrubber. Flue gases created by coal combustion travel into the scrubber system from an electrostatic precipitator, which removes more than 99 percent of the particulate matter (fly ash). The gas enters a structure (an absorber) with spray nozzles at its top and travels upward through a shower of slurry. Calcium from the lime or limestone in the slurry and the sulfur dioxide in the gas chemically react to form calcium sulfites and sulfates. Saturated with water, the cleaned gas continues its upward journey through a de-mister. This equipment removes the large liquid droplets created during passage of the gases through the



Sludge from the Conesville scrubbers is loaded onto trucks for transport to the nearby on-site landfill. Behind the shovel is the conveyor system that carries the processed waste material from the sludge treatment facility.

absorber. Finally, the flue gas leaves the stack.

Meanwhile, the slurry that removed the sulfur is collected in a recycle tank. A portion of the slurry is pumped to a thickener, where it is dewatered to about 35 percent dry solids. That material then undergoes vacuum filtration to remove more water before lime and fly ash are added to stabilize the waste before it is transported to the landfill. The remaining slurry is renewed with lime and recycled back through the absorber to remove more sulfur dioxide.

Flue-gas desulfurization is not an overly complicated process, but there is nothing simple about the demands scrubbers have made on their operators.

To begin with, there were the usual problems associated with an unproven technology which, in the late 1960s and 1970s, was being adapted from use in other industries, such as steel and petrochemical, to help utilities meet emissions guidelines. Unfortunately for the inexperienced manufacturers and their utility customers, little time was available to help resolve the technical difficulties before the scrubbers had to be in use. All types of problems developed. Most common were plugging of the gas passages,

scaling and excessive corrosion of materials that had not been thoroughly tested in that kind of environment. Conesville did not escape those early difficulties.

"We were plagued by operating problems, and scrubber availability was a big problem at first," Jeff Lytle of CSP's Environmental Section, explained. "We were kept pretty busy shaking down the system and resolving problems as they occurred. Most of the experts were learning with us."

"A scrubber is a complex chemical plant on the back of the power plant," Dave Forney of the AEP Service Corporation's Precipitators Section, said. "Because of the lack of experience with this technology, the utility industry initially tried to run it like a power plant. Once the utilities realized what they were dealing with, they got them to work, but it was not an easy job."

Although the Conesville scrubbers function much more smoothly today than they did more than a decade ago, they still require a tremendous amount of attention in operations and maintenance. In 1985, according to Daniel Lambert, assistant manager at Conesville, operations and maintenance costs for the scrubbers amounted to \$14 million. A

environmental challenges

staff of approximately 85 is required on a 24-hour basis to manage various aspects of the scrubbing process. And not only do the scrubbers contribute nothing to the generation of electricity, they require electricity from Units 5 and 6 for their operation — thus taking away from the overall efficiency of the plant.

It's also difficult to overlook the cost of lime that two scrubbers use to capture the SO₂. Scrubbers require one ton of lime for every 11.5 tons of coal burned, and the two Conesville units may go through more than 400 tons of lime per day. In 1985, CSP used 146,000 tons of lime, at \$70 per ton, for a total bill of \$10.2 million.

Then there's sludge, a waste material that has yet to prove itself useful in a renewable application. Conesville's two scrubbers produce an average of 226 tons of sludge per hour. That amounted to 970,000 tons in 1985, although an average year would produce between 680,000 to 700,000 tons. This enormous amount creates a "material handling nightmare," Tom Carroll, CSP's environmental affairs director, commented.

Conesville first disposed of its scrubber sludge on a 50-acre landfill just east of the plant. This landfill is nearly full and will be closed within the next year, Carroll said. Closure activities began in the spring of 1986 and involve final grading, capping the site with two feet of clay, placing topsoil and seeding to establish a final cover of vegetation.

Sludge now is transported by truck to a new landfill about three miles away. This 125-acre landfill, 60 acres of which eventually will be covered with sludge, required about four years and \$5 million of environmental permit-related work and site preparation before it was opened for use. Major site preparation work included draining ponds, clearing vegetation and grading. A groundwater interceptor drain was installed to keep the bottom of the fill dry. The base of the fill is lined with one foot of compacted clay and a plastic liner to protect groundwater. All surface water run-off and any leachate that collects above the liner are directed to one of two wastewater-treatment facilities. Twenty monitoring wells are checked quarterly to detect any change in groundwater quality or movement.

Work will begin soon on acquiring the necessary permits for additional landfill acreage because the new landfill has a life expectancy of five to eight years — not enough for the plant's needs. "We actually needed 250 to 255 acres to take the waste that the scrubber will generate for the life of the units," Carroll said. "The Ohio Environmental Protection Agency balked at the thought of a 'megafill' at the site of our new landfill, so we've got to go through the permitting process again for the additional landfill acreage."

As if handling sludge and establishing new landfills weren't costly enough, CSP faces additional costs in another area, Carroll said. That is a proposed annual license fee of \$50,000 to operate the landfill. The current license fee is \$800. The monies collected would be used to administer solid-waste programs at the state and county level.

Scrubber operators, obviously, pay a significant cost for the privilege of ownership. Add the capital costs for installation — which for Conesville was \$65 million for the basic system and additional operational improvements — to the annual O&M and sludge-disposal costs, and the figure represents a tremendous investment for any utility and its customers. However, the cost of CSP's scrubbers per installed kw — \$97 for Unit 5 and \$76 for Unit 6 — is considerably lower than such costs today. Estimates run as high as \$200-\$250 per kw for new coal-fired units and up to twice that amount for retrofit applications on existing plants.

It's easy to see why installing scrubbers mandated by proposed acid rain legislation is a costly proposition and one that the AEP companies don't care to accept. AEP believes the development of clean-coal technologies that reduce SO₂ emissions by removing the sulfur **before** combustion or capturing it **during** combustion, instead of **after** combustion as the scrubber does, is the far better course to take.

John McManus, AEP Environmental Engineering, said, "If Congress has the foresight to look at the development and demonstration of these clean-coal technologies, we can meet environmental standards with less impact on everyone. The country cannot afford both widespread scrubber retrofits and clean-coal technologies."

Regardless of whether the AEP System and other proponents of clean-coal technology are successful in their campaign, AEP will be gaining a third scrubber — actually a portion of one — in 1991. Because of the 1977 amendments to the Clean Air Act and the resulting "new source" performance standards for sulfur dioxide emissions developed by the U.S. Environmental Protection Agency in 1979, the Wm. H. Zimmer Generating Station must have a scrubber for its single 1.3-million-kw unit to remove a minimum of 91 percent of its SO₂ emissions.

Zimmer's scrubber system will be manufactured and installed by Babcock and Wilcox Company of Barberton, Ohio, at an estimated cost of \$298.5 million. It will be similar to the Conesville scrubbers, but with some system redundancy built in to ensure and maintain reliability, Forney said.

"The industry has learned a lot about scrubber technology and has improved on it," he said. "But the scrubbers don't really get that much easier to run. When it comes to running one, if forced into it, we can make it work reasonably well with the proper time, money and manpower."

Just last month, the Zimmer owners — CSP, The Cincinnati Gas & Electric Company and The Dayton Power and Light Company — applied to the Ohio EPA for a permit for a proposed 660-acre solid-waste landfill about three miles southeast of the plant. That landfill will feature environmental safeguards similar to those at Conesville and, like the plant, will be operated by CG&E. Review of that application is expected to take several months, McManus said. □

AEP companies introduce

The American Electric Power companies on September 10 introduced a new corporate identity — a stronger, more contemporary look — to the world. Objective of the effort is to present to the AEP companies' principal constituencies — their customers, security owners and employees — a single, positive image.

W. S. White, Jr., chairman of AEP and of Appalachian and Kingsport Power Companies, explained: "The image we seek to achieve is that of a family of progressive electric utilities, integrated into one major power system and oriented to advanced technology for the greatest efficiency, economy and reliability of service to our customers. All of these publics need to be aware that all of the AEP companies are part of the same organization because each of them — employees and security owners as well as customers — derives benefit from that association."

A major element of the new corporate identity program is a change of name for three of the AEP operating companies:

Columbus Southern Power Company is the new name for the former Columbus and Southern Ohio Electric Company;

Indiana Michigan Power Company, for the former Indiana & Michigan Electric Company, and

Wheeling Power Company, for the former Wheeling Electric Company.

In each case the new name was selected for the sake of uniformity with the names of the other AEP companies (all use the word "Power" in them), and in two cases the names were shortened. Also, the name of Windsor Power House Coal Company, a coal-mining subsidiary of Ohio Power Company, was shortened to Windsor Coal Company.

The heart of the new corporate identity is its new symbol or "mark" — a red parallelogram enclosing the letters "AEP" in white. The shape of the mark

expresses a high-tech direction, a company looking to the future, forward movement, progress. Its bright color and bold type in a sense represent the strength and pioneering spirit of AEP, willing to take the risks that bring the technological advances that benefit our customers and shareowners.

The new AEP symbol will now be used in the standard logotype adopted by all of the AEP companies, with only the name of the individual company being different. This will help provide to the public instant recognition of the fact that each company is part of the larger whole. Heretofore, the corporate image of the various AEP companies had been fragmented. Each company, including the parent AEP itself, had its own individual logotype, and each was different from the others.

The new mark was created as the result of a cooperative effort among all of the AEP companies, with input to the final result coming from their respective managements. Now, for the first time in AEP's 80 years, all of its integral parts will bear the same look.

Starting September 10, the new AEP symbol began to appear on company buildings, vehicles, hard hats, office doors, stationery, customer bills, advertising, elsewhere. But it won't happen all at once. In the interest of economy and efficiency, parts of the program are to be implemented over a period of time. Costs to date have been held to minimum levels by short ordering of supplies using the old symbols, and significant cost savings are anticipated in the future from the uniform use of the new design by all AEP companies.

In announcing the corporate identity program, Chairman White said, "We like our new service mark and what it implies: a commitment to continued excellence, as well as a commitment to seek a better understanding of our family of companies by the public at large. We trust that our employees will share our sense of pride in this new look."

The new corporate symbol to be used across the AEP System is the product of Anspach Grossman Portugal, Inc., of New York, one of the nation's principal corporate identity consulting and design firms.

This firm was commissioned by AEP to propose a program that would present to the public a corporate image truly representative of what the company is and seeks to be in the future.

Its job was performed in three stages:

1. A survey was made of representative customers, business leaders, news media, security analysts, company employees and officers to determine their overall perception of the company.

2. Based on the survey's findings, AGP executed a design concept that would portray the AEP family of companies as a progressive, high-tech and caring enterprise, and recommended basic usages of such design throughout all companies, and

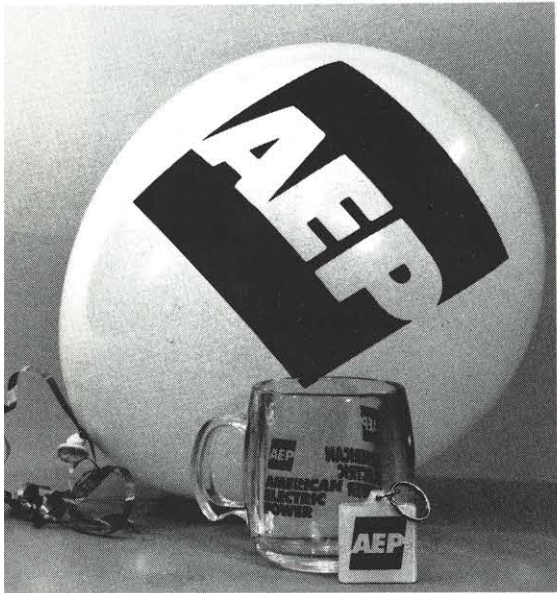
3. The firm prepared a specifications manual for use as a guide to proper usage of the new AEP symbol: on buildings and vehicles, on stationery and customer bills, and in many other applications.

Copies of the manual have been distributed to all AEP companies for use by managers and employees involved in the preparation, design, printing, installation or purchasing of supplies or other items bearing the new symbol. It provides the basic standards for the effective and proper implementation of the new identification system.

As Chairman White explained in its introduction, "I urge all users of this manual — those who design, manufacture, purchase, apply, install and maintain the various elements of the corporate identity — to follow its guidelines with care. While this manual will not cover all situations that may arise in the future, it will serve as a guide to good judgment when they do." □



new corporate identity



Red parallelogram mark is keystone of corporate identity

The new red parallelogram mark that is the keystone of AEP's new corporate identity is the latest in a series of such symbols used over the past four-and-a-half decades.

The first AEP mark was a coin-shaped symbol bearing the company's name — then American Gas and Electric Company — above a smoke-belching power plant standing between twin transmission towers. It made its first known appearance on the cover of the 1942 annual report (issued in early 1943), reappeared on the 1943 report and then disappeared.

The better known old AGE mark with its accompanying bolt of lightning was first used, to the best of the recollection of AEP old-timers, in about 1951. It appeared in the 1951 report and in each succeeding report until the company's name was changed to its present form in 1958. The AGE "shazam" symbol was used inside many shapes (circles, ovals, abbreviated ovals, squares and rectangles) and in one color or two-color combinations, including black, gold, red and blue.

The AGE mark's most prominent use was in the executive floor lobby of the company's former headquarters at 30 Church Street (now the World Trade Center) in downtown New York. There, the multi-colored mark was embedded in the floor — for all to see and to walk upon.

At the 1958 annual meeting at the Waldorf-Astoria Hotel in New York, shareowners were greeted upon their arrival by an AGE corporate banner over the dais. When President Philip Sporn announced the affirmative vote on a proposal to change the corporation's name to American Electric Power Company, a tug on a rope pulled down the old AGE banner with its old mark and revealed a new AEP banner with its new mark underneath. The shareowners applauded the dramatic touch.

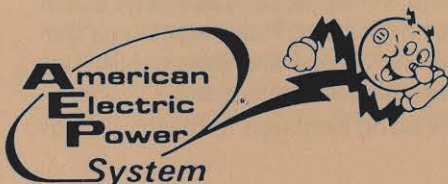
Thus was begun a 29-year run for the AEP "football" logo. Unlike its AGE predecessor, its form remained constant throughout the years, although, in its usage, it was printed in a variety of colors.

And now comes the new parallelogram.

Along the way, over the past 45^{***} years, three animate figures also have appeared in AEP printed materials.

Best known is Reddy Kilowatt, a figure with a lightbulb body and lightning for limbs. Reddy for many years symbolized the AEP companies, not as their principal marks but to remind customers of the constant availability of their electric service. "Plug me in, I'm Reddy," he said.

Two predecessors of Reddy were AGE's "Elec," a bellhop figure "always at your service," and "Uncle App," a kindly, elderly, goateed gentleman — a la Colonel Sanders — who was the symbol for "Uncle App's News," a predecessor of Appalachian Power Company's monthly employee publication, "The Illuminator." □



Wearables program introduced

Chronology of name changes

As this issue's lead story reports, the names of four of the American Electric Power companies have been changed, effective September 10. These "new" companies are: Columbus Southern Power Company, Indiana Michigan Power Company, Wheeling Power Company, and Windsor Coal Company. But there's nothing new about changing company names. It's been many times throughout AEP's 80-year history. In fact, with the current actions, the name of every operating company and the parent company itself has been changed at least once.

Witness:

- * Wheeling Electric Company (now Wheeling Power Company) was changed from Wheeling Electrical Company in 1911.
- * Ohio Power Company was changed from The Ohio Power Company in 1954.
- * Kentucky Power Company was changed from Kentucky and West Virginia Power Company in 1954.
- * American Electric Power Company was changed from American Gas and Electric Company in 1958.
- * Appalachian Power Company was changed from Appalachian Electric Power Company in 1958.
- * Kingsport Power Company was changed from Kingsport Utilities, Inc., in 1963.
- * And Michigan Power Company was changed from Michigan Gas and Electric Company in 1969. □



Linda Seaman, left, and Dick Tarantelli of AEP model prototype wearables.

Employees of AEP companies soon will be able to wear their company loyalty on their sleeves — literally.

Beginning later this year, each operating company, the Service Corporation and Fuel Supply will offer a "wearables" program, through which employees may purchase clothing items bearing their company's own new symbol. Items, such as a lined nylon jacket, can be worn by employees in their leisure time as well as to work on chilly days.

Though new to the AEP System, similar programs have been popular among employees of other utilities and industries. Sales from a forthcoming color catalog will be handled by a Columbus vendor, who will deal directly with employees. All items will be made in the United States.

Items to be offered include a nylon jacket, a lined jacket, sweat shirt, sweat pants, golf sweater, two styles of golf shirt (polo and Pickering), ladies' golf shirt, T-shirt, football jersey and childrens' T-shirt and sweat shirt. Two different kinds of hats and a carrying bag also will be for sale.

A full-color catalog with order form is being prepared for distribution to employees in the fall. □

PAKISTAN:

A country caught in the middle

The Middle East and the south Asian subcontinent together form one of the most volatile regions in the world. There are daily stories about hostages, car bombings and assassinations. The Iran-Iraq War continues, while the Russian occupation of Afghanistan is in its eighth year. The Iranscam hearings occupied Washington's attention, while the U.S. fleet protects Kuwaiti tankers in the Persian Gulf. The Indian border guards suspiciously watch their Chinese and Pakistani neighbors, while the Indian government supplies the Sri Lanka separatists by air and fights the Sikh extremists in the Punjab.

In the heart of all the activity sits Pakistan, which shares borders with Iran, Afghanistan, China and India. But perhaps of greater significance, it shares a Muslim tradition with most of the other countries in the region. For these two reasons, the U.S. government considers Pakistan vital to American interests. Pakistan is one of the three largest recipients of U.S. foreign aid, which is spent on a wide range of projects, including irrigations, malaria control, agricultural research, military supplies and energy.

In 1984, AEP Energy Services was awarded a five-year contract by the U.S. Agency for International Development (USAID) to work on one aspect of Pakistan's energy program — electrical distribution.

This month, *The Illuminator* begins a series on AEP's Pakistan project, taking a close look at the region, the project itself and what life is like for those who work there. And since America's involvement — and thus AEP's involvement — in the region hinges on the politics of the area, the series begins with a look at the politics of Pakistan.

No one seems to know exactly why Russia invaded Afghanistan in 1979. Some speculate it was trying to prop up a failing domestic policy, according to former U.S. Ambassador to Pakistan Deane Hinton. Perhaps with the instability in Iran, he said, Russia was trying to

improve its position in the region. Or perhaps it was simply a part of the Russians' desire for a year-round, warm-water seaport.

But whatever the reason, the invasion effected a dramatic change in the erratic, on-again off-again relations between the U.S. and Pakistan. As a matter of fact, a month before the invasion, U.S.-Pakistani relations were at an all-time low: the U.S. embassy in the Pakistani capital of Islamabad had been burned to the ground and four staff people killed. Demonstrators were protesting the false rumor that the U.S. had been involved in the massacre of dozens of Muslims in the Islamic holy city of Mecca, Saudi Arabia.

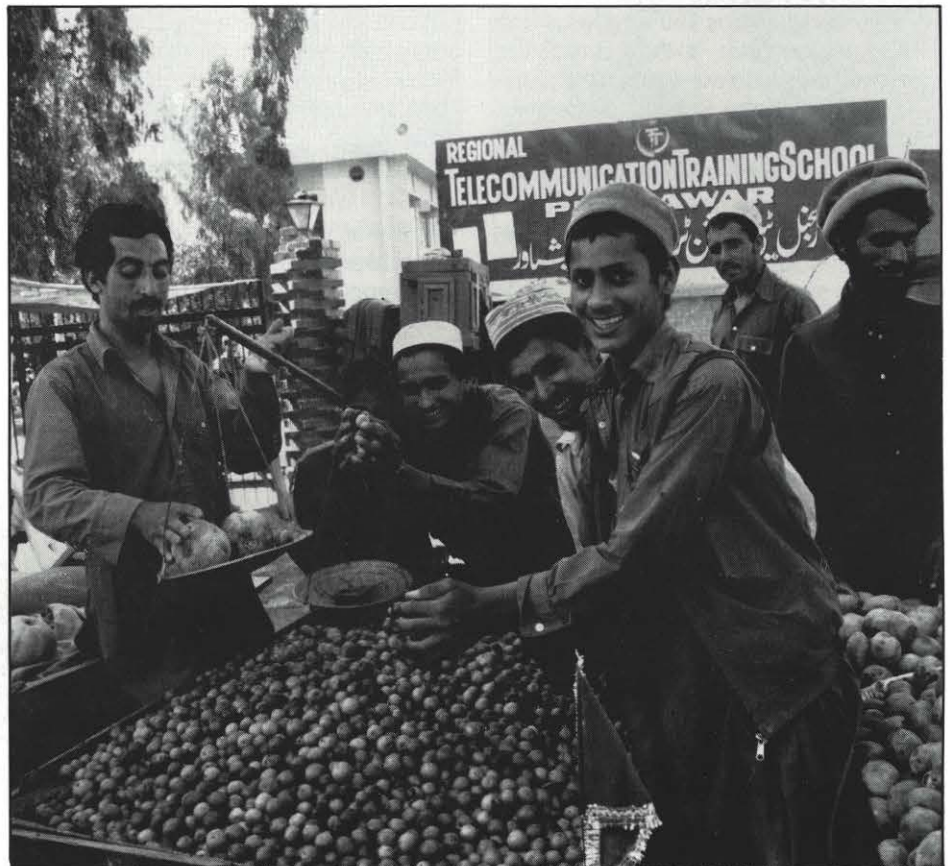
But American support of Pakistan, which has been the general policy since the 1950s, has been interrupted several times by flare-ups on the political landscape.

The U.S. cut off aid to Pakistan in 1965 during that country's border war with India over the mountainous region of Kashmir, and again when Pakistan went to war with India over Bangladesh in 1971. Then in 1978, aid again was cut off because of Pakistan's nuclear program and its refusal to sign the non-proliferation treaty.

Even when aid was restored to Pakistan after the Russian invasion, Hinton commented, Pakistan President Muhammad Zia ul-Haq was disappointed in the amount of aid and described it as "peanuts."

"Probably the wrong thing to say to a Georgia-born president," Hinton deadpanned, referring to Jimmy Carter.

As a result of such shifts in U.S. policy, Pakistan has allied itself closely with China, which has on-going border skir-



Many Afghan refugees near Peshawar make a living selling fruits and vegetables they grow. There is some tension between them and the Pakistanis, who also must sell their goods to make a living.

mishes of its own with India. Pakistanis, then, generally consider China a more constant friend than the U.S.

But Pakistan is crucial to American interests for a number of reasons. First of all, America lost its "No. 1 ally" in the area when the Shah fell from power in Iran, Hinton said. Secondly, Pakistan is a Muslim country with good relations with other Muslim countries in the region, including Iran and Saudi Arabia. And thirdly, because of its border with Afghanistan, Pakistan is in a good position to forward military arms to support Afghan rebels.

But, despite the hot-and-cold nature of the two countries' relations, Hinton believes that the U.S. and Pakistan are now drawn together by a common enemy and a common purpose. America wants to stop the spread of Russian influence, especially in the critical Middle East; Pakistan is supporting the mujahadeen, the Muslim-based resistance movement in Afghanistan that's fighting the Russians.

Pakistan's support has allowed the Afghan rebels to wage a successful fight against the Russians. But, as a result, the Russians feel that, if they destabilize Pakistan, they also will weaken the resistance. "One of the Soviets' strategies," Hinton theorized, "is to unhinge Pakistan."

The main method of "unhinging" is terrorism. There are daily accounts of indiscriminate bombings, strafings and rocket attacks, all done to undermine Pakistani support for the nearly 4-million Afghan refugees now living in Pakistan. "Pakistan is housing the largest refugee population in the world," U.S. Consul General Albert Tiebault said from his office in Lahore, and that, in itself, has a destabilizing effect. Miles of mud huts and tent cities — homes for the refugees — sprout up over night. Every day, buses full of new refugees arrive in Peshawar, a provincial capital near the Afghan border.

But a lot more than people is crossing the border: rifles, explosives and drugs are smuggled in buses, trucks and vans, which are searched by Pakistani guards at the military checkpoints all along the border.

A traveler to Peshawar reads stories of kidnappings and muggings, sees evidence of terrorist bombings in the bazaars and hears about a standing Russian offer to train people in demolitions



Snow-capped mountains in the northern areas of Pakistan provide a lot more than beauty, as men chop ice from glaciers and prepare to take it to their mountain village.

(they offer 50,000 rupees, about \$3,000, to anyone who explodes a bomb in the city, and an additional 50,000 rupees for each death). Peshawar University, closed now for fear that political rallies will get out of hand, is awash in political graffiti, spray painted in a number of languages, including one English sign that reads, "U.S. Imperialists go home." There are daily reports of Soviet and Kabul incursions into Pakistani airspace, with strafings and bombings of Pakistani hamlets and Afghan refugee villages.

But traveling through Peshawar, one sees ample evidence of the support that Pakistan is receiving from the international community. Several hospitals and food-distribution centers have been set up for the Afghans, funded by the United States and a number of agencies from individual countries, including Canada, West Germany, England, France, Japan, Netherlands, Belgium and China.

Large white trucks, with their U.N. designation stenciled on the doors and loaded with 50-pound sacks of food, rumble through the ancient city. The bright-yellow diplomatic license plates, assigned to automobiles registered to foreign governments, are everywhere, evidence of the large number of people and countries brought together here in a common cause.

To escape the danger to himself and his family, one Pakistani friend who lives in Peshawar is seeking to move to Islam-

abad. He longs for the old days, he said, when Peshawar was a peaceful city, a commercial center at the juncture of the old Marco Polo silk route and the Grand Trunk Highway from Calcutta.

Has the danger to himself and his family diminished his support of the Afghan rebels? "No," he replied, "they are Muslim."

Hinton and Tiebault agree that the terrorist tactics used by the Russians have not driven a wedge between the rebels and the Pakistanis. There is widespread unrest and a sense of upheaval, but that may be inevitable in a country housing 4-million refugees, enduring daily bombings and undergoing dramatic social and political change.

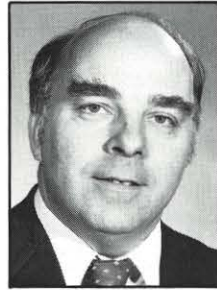
"But the Russians have been in Afghanistan for more than seven years now," Tiebault explained, "and there's no end in sight. They've isolated themselves from the Muslim community, have opened themselves to international criticism for waging a colonial war, have paid a heavy economic price and have a lot of dead soldiers to show for their effort."

It appears that the Russians have decided to leave Afghanistan, and talks are under way to determine the time frame and the political setting they will leave behind. But, instead of decreasing the bombings, terrorism and strafings, they have actually increased them — presumably to improve

(please turn to page 24)

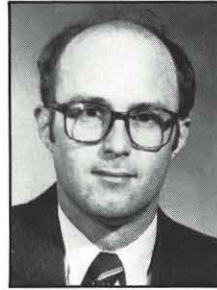
Promotions

James B. Blank, production superintendent-operations, was promoted to performance superintendent at Mountaineer Plant on August 1. He attended West Virginia University and holds a bachelor of science degree in electrical engineering from the University of Pittsburgh.

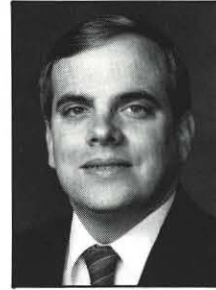


Blank

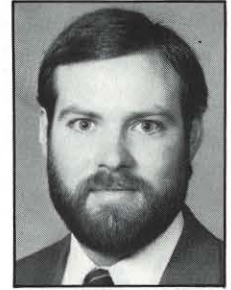
Warren R. Ashton, performance superintendent, was promoted to operations superintendent at Mountaineer Plant on August 1. He holds a bachelor of science degree in electrical engineering from Virginia Polytechnic Institute & State University.



Ashton

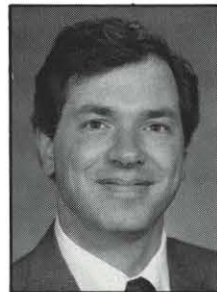


Nance

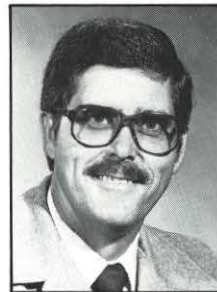


Glenn

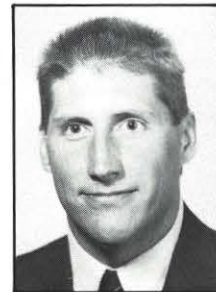
David M. Nance, Fieldale power engineer, was promoted to energy services coordinator, GO Marketing & Customer Services, Roanoke, on August 1. He holds a bachelor of science degree in electrical engineering from the University of Virginia.



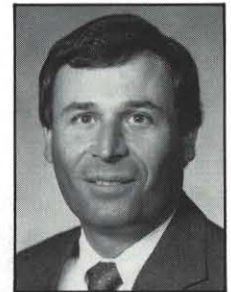
Weddle



Clark

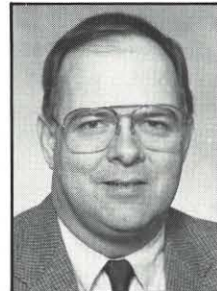


Ross

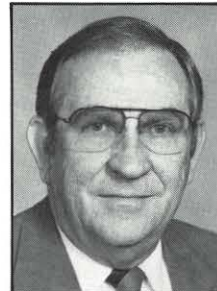


Howell

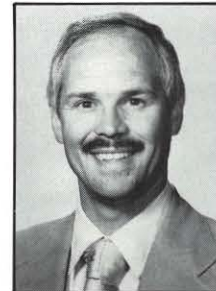
Rob Glenn, Jr., energy services supervisor, was promoted to Roanoke marketing and customer services manager on August 1. He holds a bachelor of science degree in electrical engineering from North Carolina State University.



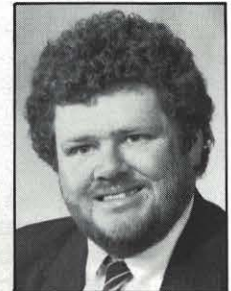
Poff



Wright



Jeffries



McElraff

N. Jeff Weddle, energy services coordinator, GO Marketing & Customer Services, Roanoke, was promoted to Bluefield marketing and customer services manager on September 1. He holds a bachelor of science degree in electrical engineering from Virginia Polytechnic Institute & State University and a masters in business administration from Marshall University.

Carl Clark, senior chemist, was promoted to plant chemist at Mountaineer Plant on April 1. He holds a bachelor of science degree in biology from Rio Grande College.

Philip T. Ross, forestry technician non-exempt, GO T&D Forestry, Charleston, was promoted to line construction and maintenance representative exempt in Charleston on July 1. He holds a bachelor of science degree in natural resource management from Cook College and a master of science degree in forestry from West Virginia University.

Donald Howell, meter engineer senior, was promoted to meter staff engineer, GO T&D Meter, Roanoke, on June 1. He holds a bachelor of science degree in

electrical engineering from Virginia Polytechnic Institute & State University.

Ronald L. Poff, civil engineering superintendent, GO T&D Civil Engineering, Roanoke, was promoted to engineering manager, GO T&D Administrative, Roanoke, on August 1. He holds a bachelor of science degree in civil engineering from Virginia Polytechnic Institute & State University. He also has attended the AEP Management Program at the Ohio State University.

Johnnie Wright, Jr., customer accounts supervisor, was promoted to Roanoke marketing and customer services supervisor on September 1.

John L. Jeffries, ash technician senior nonexempt, was promoted to engineering technologist exempt at John Amos Plant on July 1. He holds an associate degree in electronics from West Virginia State College and a diploma in civil

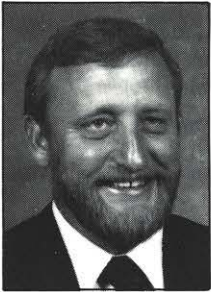
engineering from International Correspondence Schools.

David McElraff, station operator A non-exempt, was promoted to regional dispatcher exempt, GO Operations, Abingdon, on June 1. He attended Virginia Highlands Community College.

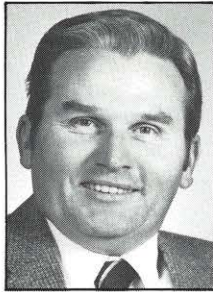
Larry Stiltner, line crew supervisor exempt, was promoted to Grundy area supervisor on August 16.

Gene Fields, engineering technician senior nonexempt, was promoted to engineering technologist exempt in Kingsport on August 1. He holds an associate in science degree in drafting from Woodrow Wilson Technical School.

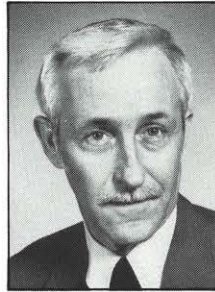
Mark A. Lynch, Huntington power engineer senior, was promoted to Roanoke energy services supervisor on September 1. He holds an associate in electrical engineering degree from the West Vir-



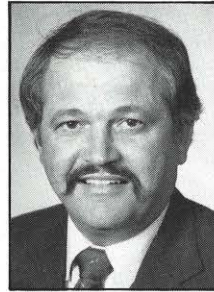
Stiltner



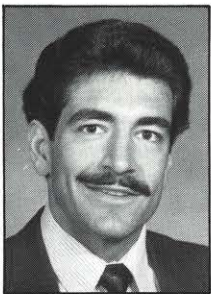
Fields



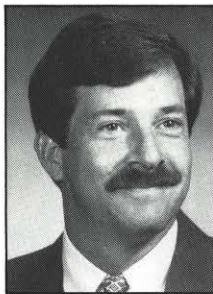
Lynch



Glover



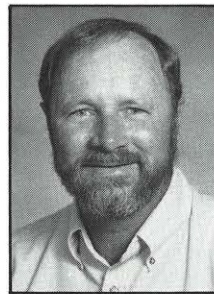
Jackson



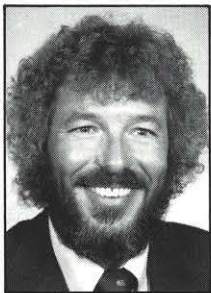
Bryant



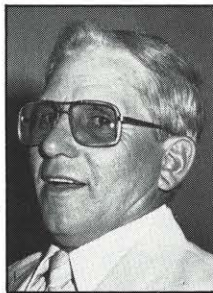
Humphreys



Johnson



Kidd



Farmer

ginia Institute of Technology and an electrical engineering degree from International Correspondence Schools.

Eddie Glover, Jr., engineering technician senior nonexempt, was promoted to line construction and maintenance representative exempt in Roanoke on July 16.

Larry E. Jackson, heating and air conditioning coordinator, was promoted to energy services coordinator, GO Marketing & Customer Services, Roanoke, on September 1. He holds a bachelor of science degree in electrical engineering from West Virginia University and is a registered professional engineer in Florida, Virginia, and West Virginia.

Douglas Bryant, Point Pleasant office supervisor, was promoted to Roanoke customer accounts supervisor on September 1. He attended Danville Com-

munity College and holds an associate in applied science degree in business management from Patrick Henry Community College and a bachelor of science degree in business from Rio Grande College.

P. L. Humphreys, line crew supervisor nonexempt, was promoted to line crew supervisor exempt in Roanoke on July 1.

Dale Johnson, general servicer, was promoted to line crew supervisor nonexempt in Roanoke on July 18.

Ronnie Kidd, line mechanic A, was promoted to line crew supervisor nonexempt in Roanoke on July 18.

Henry Farmer, Jr., line crew supervisor nonexempt, was promoted to line crew supervisor exempt in Grundy on August 16.

Bluefield

Bill Lineberry from line mechanic D to line mechanic C.

Randy Vandyke from line mechanic D to line mechanic C, Grundy.

Alan Anderson from line mechanic D to line mechanic C, Grundy.

Charleston

Lawrence Jennings from line mechanic A to area servicer.

Clinch River

Bobby Mullins from equipment operator C to equipment operator B.

General Office

Dana Casto from station operator D to station operator C, GO Operations, Charleston.

Thomas Parr from engineering technician assistant to engineering technician, GO T&D Station, Roanoke.

Douglas Turner from control electrician B to control electrician A, GO T&D Station, Roanoke.

Michael Wray from transmission station mechanic D to transmission station mechanic C, GO T&D Station, Roanoke.

Donald Overstreet from office messenger to junior reproduction machine operator, GO General Services, Roanoke.

Vernice Brown from classification and accounts payable clerk C to classification and accounts payable clerk B, GO Accounting, Roanoke.

John Thomas, Jr., from engineering technician to engineering technician senior, GO T&D Communication, Roanoke.

Dwight Kirby from control electrician B to control electrician A, GO T&D Station, Kenova.

Diane McDaniel from stenographer to purchasing clerk B, GO Purchasing, Roanoke.

James Garris from transmission mechanic D to transmission mechanic C, GO T&D Transmission, Bluefield.

Cheryl Reeves from centralized cash operator junior to centralized cash operator, GO Accounting, Roanoke.

Carl Reveal from hydro utility operator B to hydro utility operator A, Kanawha Valley Power.

Huntington

Danny Sheppard from line mechanic A to area servicer.

Kingsport

Buford Quillin from marketing and customer services representative to marketing and customer services representative senior.

Carolyn Hubbard from customer accounts clerk C to customer accounts clerk B.

Leta Dingus from customer accounts clerk A to personnel clerk A.

Debbie Jennings from cashier C to customer accounts clerk C.

Pulaski

Ken Gunn from department assistant-marketing and customer services to marketing and customer services advisor, Hillsville.

Mike Ingoe from line mechanic C to line mechanic B, Wytheville.

Gil Bowers from line mechanic B to line mechanic A, Wytheville.

Roy Powers from station mechanic B to station mechanic A.

T. W. Caviness from station mechanic C to station mechanic B.

Roanoke

Patsy Fout from junior clerk to customer accounts representative C.

Ronald Jefferson from line mechanic B to line mechanic A, Fieldale.

John Rogers from line mechanic C to line mechanic B, Fieldale.

Rita Oakes from stenographer to T&D clerk B

Bill Hicks from line mechanic C to meter electrician C.

Doug Jacobs from surveyor-instrument, GO T&D Civil Engineering, Roanoke, to line mechanic D Roanoke.

Leslie Okes from engineering technician to engineering technician senior, Fieldale.

James Thompson from customer accounts representative B, Fieldale.

Mark Lawrence from Roanoke marketing and customer services representative to marketing and customer services associate, GO Marketing & Customer Services, Roanoke.

Carolyn Gordon from engineering technician assistant to engineering technician.

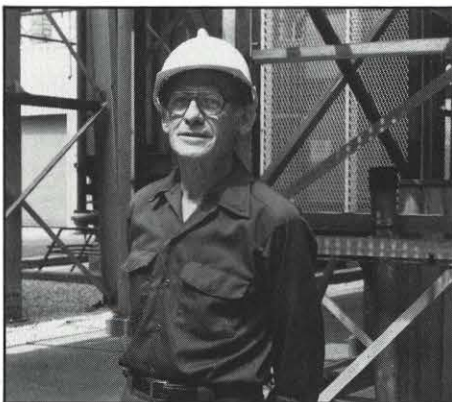
Bill Walker from engineering technician assistant to engineering technician. □

Retirements



"I'm just like a kid waiting for Christmas," said Bluefield Marketing & Customer Services Manager **Paul Pauley** about his approaching September 1 retirement. Reflecting on his 38-year career, he said, "I enjoyed it all. It would be difficult to select any one job that I liked more than the others. The demands for each position were different and kept me on my toes no matter what. When you're challenged, the work is interesting." Travel is high on his list of priorities for the future. "We have a motor home and plan to use it a lot," he said. "We bought a lot at Garden

City just below Myrtle Beach and have discussed building a house down there. If all goes well, we plan to live there fulltime. My wife is principal of Princeton Junior High, and she has another couple of years before we can go." Paul enjoys woodworking and plans to "make a lot of sawdust" in his shop. The Pauleys have one son, an Army helicopter pilot, who is stationed at Columbia, SC. □



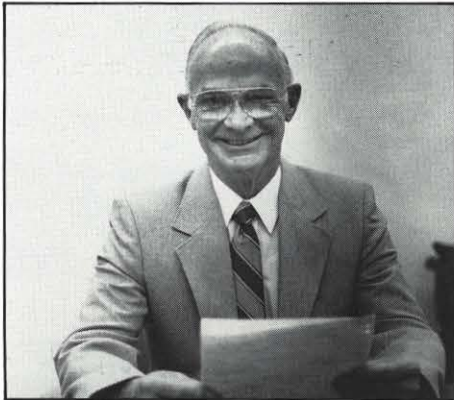
After 30 years with FMC's Viscose Division, **Paul McLane** heard rumors that the plant was going to close and decided he should find another job. As luck would have it, he accompanied his son to put in an application at Amos Plant. "They asked me if I wanted an application, too," Paul recalls, "so I filled one out and was hired on the spot. I was surprised because I was 50 years old then." On September 1, after 12 years in the Maintenance Department, Paul elected early retirement. "I hate to leave," he says, "but I'm going for health reasons more than

anything else. This has been a good place to work because we have good management and a good bunch of people here." Paul has a small farm which, he says, takes a good bit of his time. "I like baseball and attend a lot of games," he adds. "My wife and I are thinking about spending the winters in Florida." Paul is active in the Center Point Community Church, having served as a deacon and trustee. He is an Army veteran of World War II. □



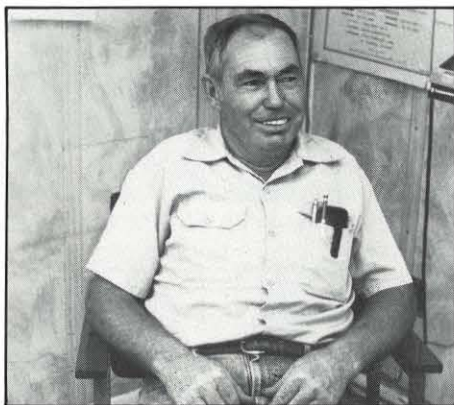
"I like to deal with people, and that's what I enjoyed the most about my 36 years with Appalachian," remarks Pulaski Collector **Cecil Buckner**, who retired on September 1. And working with people will continue to play an important part in his future plans. He says, "The Church of the Brethren has a disaster relief program, in which volunteers repair or rebuild homes for the needy. I will be working with that, and I want to get involved in activities at the church's Camp Bethel (near Fincastle, VA) again. My wife Gerolean was manager there for several

years." Cecil also serves on the nominating committee for the Virginia District, Church of the Brethren. In his home church, he is currently Sunday school superintendent and a deacon. He also is president of the Weekday Religious Education Council and has been active in the Ruritans, PTA, and band. The Buckners have two sons and two daughters who live elsewhere in Virginia, North Carolina, and Maryland. "We'll be traveling to see them," Cecil says. He also enjoys refinishing antiques. □



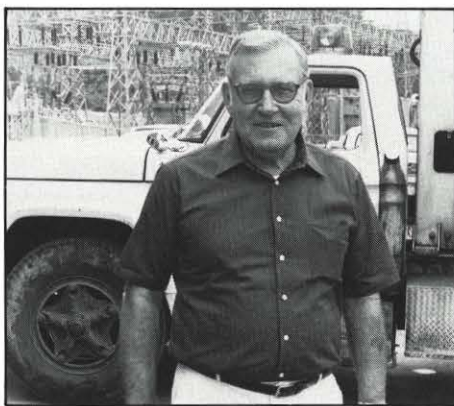
"It's been a rewarding 38 years working with such a fine group of people as we have in the company," says **Leonard 'Red' Robinette**, Bluefield power engineer senior, who elected early retirement on September 1. He continues, "While at Virginia Tech studying electrical engineering, I had a desire to get into sales and, upon graduation, was given the opportunity to work in the Huntington Division Commercial Department. Fortunately, I've been involved in sales and customer service work during my entire career. I've made a lot of friends, both for

myself and the company, working with industrial and mine power customers. The thing that pleases me most is that the company is once again active in marketing. We have a fine group of sales people to whom I say, 'Keep selling, you're with a fine organization.' My wife Mary Lou and I have no definite plans for retirement; but, with 5 children, each living in different states, and 4 grandchildren, some travel is indicated. We hope to spend more time in my hometown of Wayne, WV, with my 92-year-young father." □



"When I went to work for Kentucky and West Virginia Power Company, a lot of my friends told me I could make more money in the mines," recalls Williamson Line Crew Supervisor **Joe Hatfield**. "But in the 41 years since then, there have been very few miners who have done as well as I have." Joe elected early retirement on September 1, ending a career which began in 1946, shortly after his discharge from the U.S. Army. He adds, "When I came, the company did me a favor by giving me a job, and I've been paid every two weeks. I always tried to do

whatever they asked me to do. I've never turned down a job so I've done a little bit of everything. There have been a lot of changes over the years. As an example, when I started we had nine-man crews. I really think this company has the best people you can find anywhere." Joe's plans for retirement include building his son a house. He's had plenty of experience since, when he built his own home, he did everything but lay brick. He hopes, too, to travel to the Northwest, a part of the country he's never seen. In all, he's visited 38 states and 6 foreign countries.



In 1947, Appalachian was hiring new employees to help in its rural line building program. Many of those were men just returning from service in World War II, and so it was with Navy Veteran **William L. Nichols, Jr.** He recalls, "Bruce Cox, then Fieldale district manager, came over one night and offered me a job. It seemed like a good opportunity so I hired on as a laborer in the line crew." He went into the service crew in 1969 and, at the time of his early retirement on August 1, was a meter service mechanic A. As the result of an on-the-job injury, he had

been on LTD leave since 1984. Junior says, "The company has been wonderful to me. I enjoyed working with the good people here in the Fieldale office and meeting contractors when I installed service, and I miss them more than I do anything else." Junior and his wife Eugina have one daughter and one grandchild. He is a former deacon, Sunday school superintendent and treasurer of Hill Memorial Missionary Baptist Church. □



A 36-year utility career came to a close on September 1 with the early retirement of Kingsport Line Crew Supervisor **Carl Riddle**. At one time, Carl expected to stay in the military until retirement. He served in the Army Air Corps for six years, including two with the Third Infantry Division in Europe. "That was Audie Murphy's outfit," he recalls. "And the actor James Arness came out of there, too. When I first got out of service, I got a job with Bouligny. My brother-in-law, the late James Carter, worked at the power company, and he talked me into coming

to work here instead of going back in service. That was a good move because Kingsport Power is the best company anyone ever worked for! I don't have any particular plans for retirement other than to take one day at a time. I used to travel a lot but not any more. In fact, I have a brother in New Foundland who is always raising sand because I won't come to see him." □

Weddings

Fitzgerald-Sullivan



Susan Lynn Sullivan to Ralph Clarke Fitzgerald II, August 22. Susan is the daughter of Hank Sullivan, programs manager, GO Public Affairs, Roanoke.

Lewis-Price



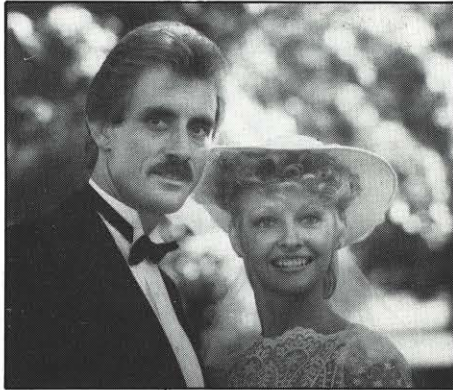
June Marie Price to Gary Wayne Lewis, assistant stores supervisor, GO T&D Stores, Roanoke, June 20.

Dorey-Kovich



Anna Laura Kovich to Timothy Patrick Dorey, June 27. Anna is the daughter of Joseph A. Kovich, retired Huntington electrical engineer senior.

McCann-Gilliam



Tamara Gilliam to Lanny McCann, Kingsport line mechanic A, July 17.

Burch-Hendel



Linda Hendel to Charles B. Burch, engineering technologist, GO Hydro, Roanoke, July 3.

Golden-Ferrell



Lea DeAnne Ferrell to Michael Chad Golden, May 24. Lea is the daughter to Roy L. Ferrell, Kingsport records supervisor.

Slack-Thewes

Terri Thewes to Jeffrey Slack, June 20. Jeffrey is the son of Charles E. Slack, Kanawha River Plant shift operating engineer.

Wed 60 years



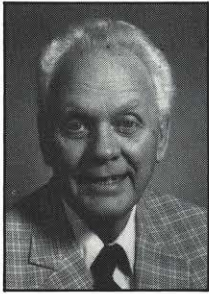
Everett and Icie Hammack celebrated their 60th wedding anniversary at their home in Elkview, WV. They have 16 grandchildren and 26 great-grandchildren. Everett is a retired stationman A in Charleston.

Wed 50 years

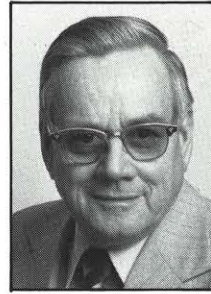


Herbert and Beulah "Lovie" Taylor celebrated their fiftieth wedding anniversary on July 31. They have twin sons and four grandchildren. Herb is a retired property supervisor, GO Land Management, Roanoke.

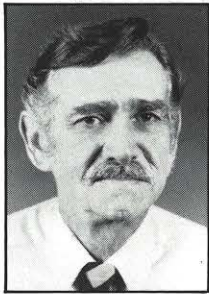
Friends We'll Miss



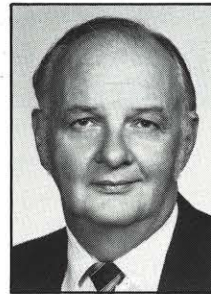
Arthur L. Pennington, 70, retired maintenance mechanic A at John Amos Plant, died July 13. A native of Charleston, West Virginia, he began his career in 1972 as a maintenance mechanic C and retired in 1981. Pennington is survived by his wife Dorothy, 5215 Tyler View Drive, Charleston, WV; one son; one daughter; six grandchildren; and one great-grandchild. His son-in-law, Lester Lusher, is a unit supervisor at Amos.



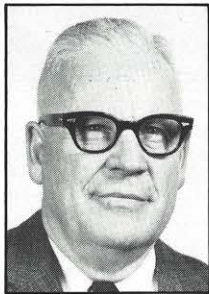
William N. Hall, Jr., 63, retired Clinch River Plant maintenance supervisor, died August 18. A native of Cabin Creek, West Virginia, he was employed in 1950 as a laborer at Cabin Creek Plant and elected early retirement on August 1. Hall is survived by his wife June, Route 3, Box 35A, Lebanon, Virginia, and one son, William E. Hall, Clinch River utility worker B.



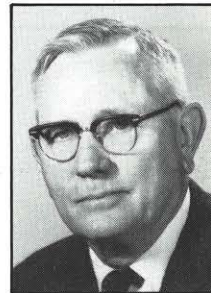
Edward Bane Gregory, 58, Tazewell line mechanic B, died July 31. A native of Shawvers Mill, Virginia, he was employed in 1954 as a groundman and had been on long term disability leave since March of this year. Gregory is survived by his wife Virginia, Route 3, Box 184, Tazewell, VA; and two daughters.



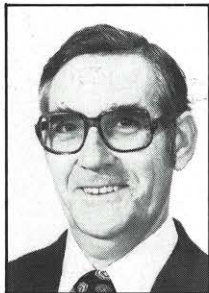
Thomas L. Humphries, 56, Oak Hill energy services engineer, died July 21. A native of Oak Hill, West Virginia, he joined Appalachian in 1949 as an office messenger. Humphries is survived by his wife Louise, 322 State Street, Oak Hill, WV; two daughters, one stepson, one stepdaughter, and eight grandchildren.



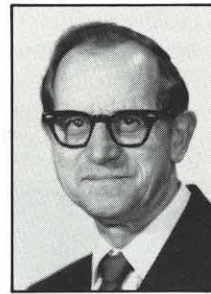
William T. Simpson, 81, retired coal handling foreman at Radford Army Ammunition Steam Plant, died July 26. A native of Belspring, Virginia, he was hired in 1949 as a mechanical maintenance man and retired in 1970. Simpson is survived by his wife Juanita, 818 West 2nd Street, Radford, VA; two daughters; two grandchildren; and one great-grandchild.



Eugene E. King, 77, retired Williamson manager, died August 22. A native of Cherokee, West Virginia, he began his career in 1941 as a draftsman and retired in 1974. King is survived by his wife Beatrice, Route 1, Box 19, Williamson, WV, two sons, and two daughters.



Dudley R. Clemons, 64, retired shift operating engineer at Glen Lyn Plant, died August 23. A native of Elgood, West Virginia, he joined the company in 1942 as a laborer and elected early retirement in 1986. Clemons is survived by his wife Pauline, Box 13, Glen Lyn, Virginia; one daughter; three grandchildren; and one great-grandchild. Survivors also include his brother, Bobby Clemons, Glen Lyn unit supervisor; niece, Marian Wiley, Glen Lyn plant clerk B; and nephew, Sonny Wiley, Glen Lyn maintenance mechanic A.

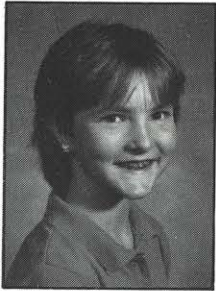


Bennett M. Brown, 67, retired maintenance supervisor at Glen Lyn Plant, died July 28. A native of Mercer County, West Virginia, he was employed in 1944 as a utility operator and retired in 1983. Brown is survived by his wife Redas, Route 3, Box 255, Princeton, WV; two sons; one daughter; nine grandchildren; two great-grandchildren; two sisters; and one brother. □

Who's News

Abingdon

Jim Hughes, marketing and customer services manager, was reappointed for a three-year term to the business-related curriculum advisory committee by the Virginia Highlands Community College Board.

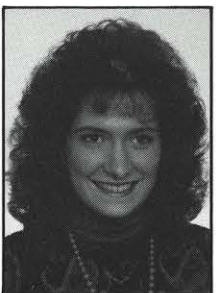


Patricia, daughter of George Johnston, Clintwood line mechanic A, was selected as the best female cadet in the Virginia Wing Civil Air Patrol. She recently attended the Annual Cadet Summer Encampment at Langley Air Force Base and was one of six honor cadets chosen from a field of 113. Patricia flew in a C-141 transport plane and piloted an F-15 flight simulator.

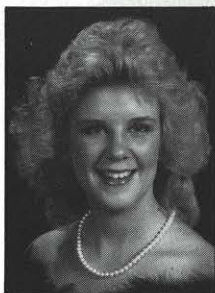
A. C. Steffey, Clintwood general servicer, won a Tappan Spacesaver microwave oven given away as part of Baker Repair Service's third anniversary celebration.

L. C. Angle, Jr., retired power engineer senior, was appointed to the Abingdon Redevelopment and Housing Authority. □

Kanawha River



Siemiaczko



Burnside

Cindy, daughter of Michael Siemiaczko, assistant plant manager, was selected as a cheerleader for the West Virginia Institute of Technology.

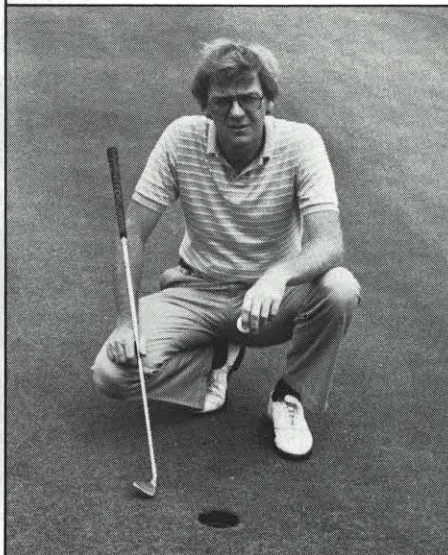
Celena, daughter of Donald Burnside, stores clerk, was chosen third runner-up to Miss Kanawhan at East Bank High School. □

Sporn golf winners



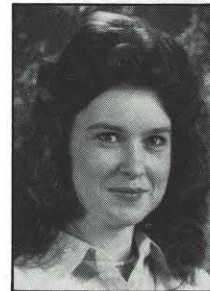
A team composed of, l. to r., Rusty Saunders, engineering technologist; Marlo Bush, utility worker A; Harley Hendricks, Jr., summer employee; and Olin Rice, maintenance mechanic C. shot a 9 under on the 72 par Riverside Golf Course to win the Philip Sporn scramble golf tournament.

Hole-in-one

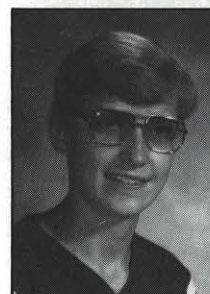


Dan Sayers, right of way maintenance coordinator senior, GO T&D Forestry, Bluefield, aced the fifth hole at the Princeton Elks Country Club on June 28. Sayers made the hole-in-one, the second of his career, with an eight iron on the 144-yard, par 3. He was playing in a foursome with Harry Sutherland, Bob Neal, and Bob Massie.

Bluefield



Althea, daughter of Robert Nelson, custodian, has been selected for inclusion in "Who's Who Among High School Students." She is a junior at Princeton Senior High School.



Keith, son of Calvin Belcher, Welch meter reader, was selected by American Legion Post No. 8 of Welch to represent Mount View High School at Mountaineer Boys' State. A rising senior. Keith is a

member of the National Honor Society, SAE vice president, and former vice president of the National Junior Honor Society. He also was selected to attend the Know Your State Government Day in Charleston and served as page in the West Virginia State Senate. □

Charleston

Keith, son of Hutch Hutcheson, retired customer services supervisor, was named general manager of the new Chili Willi's Restaurant near the Charleston Town Center.



Rodger, left, and Chris Woodrum.

Chris Woodrum has received the Arrow of Light, Cub Scouting's highest award. His father, **Rodger Woodrum**, energy services supervisor, serves as cubmaster and Webelos leader of Cub Pack #195.

Keith Tyler, son of Sandra Wright, cashier B, will play in the Los Angeles Lakers' rookie summer basketball league in California. The 6'1" guard was invited by Jerry West, the Lakers' general manager, who starred at East Bank High School, West Virginia University, and the Lakers. Keith, a graduate of the University of Charleston, averaged 25 points his senior year. During his junior year, the team won 30 games and advanced to the NAIA Tournament quarter finals in Kansas City.

Floyd H. Taylor, Jr., division manager, was named chairman of the utilities division solicitation team for the United Way of Kanawha Valley's 1988 fund raising campaign.

Roger Vannoy, meter reader, coaches and manages the Charleston Tigers Western all girls softball little league team which won the Western League championship with a 16-3 record. His daughter, **Kelly**, and four others were chosen to play on the league's all-star team, which Roger will also coach.

Sue Pryce, secretary, won \$400 in the West Virginia Lottery's Pick-4 game.

The Terry Banks annual Charleston Division Bass Fishing Tournament was held at Summersville Lake. According to **Terry**, line crew supervisor, the participants had a fish fry with 10 skillet of fillet bass. Winners of the three categories are: Most Fish - first place, **Tom Duttine**, line mechanic B, 5; second place - **Joe Perdue**, line mechanic D, 3; and third place, **Robbie Seacrist**, line mechanic C, 3. Most Pounds - first place, **Tom Duttine**, 5½ lbs; second place, **Robbie Seacrist**, 2¾ lbs; and third place - **Rex Caruthers**, guest, 2½ lbs. Longest fish - first place, **Rex Caruthers**, 17¼"; second place, **Tom Duttine**, 15½"; and third place, **Joe Perdue**, 14¼". □

Central Machine Shop

Steve, son of Sam Craddock, assistant manager, was an outfielder and pitcher for the Hurricane Astros in the Senior Babe Ruth Baseball League which ended the season with a 21-0 record. He was selected to the Putnam County all-star team which won the 17-18-

year-old West Virginia Senior Babe Ruth state championship. □

Pulaski

Mike, son of Posey Payne, Jr., meter electrician A, served as senator for the Student Government Association at New River Community College during the past school year. He was elected vice president of activities for 1987-88. Mike also served as chairman of the Moneton District Boy Scouts of America Scout Show. He was an area recreation attendant at Claytor this summer.

Mark McGlothlin, meter reader, is a member of the "Nuthin' Fancy" Band which placed second in the True Value Country Showdown. The band also performed at the New River Valley Fair.

Mary, wife of Division Manager Jerry Whitehurst, had a transparent watercolor painting accepted in the Midwest Watercolor Society Exhibition at the Neville Public Museum in Green Bay, Wisconsin. Her painting, one of 100 chosen out of 900 slides reviewed for possible selection, will be on display until mid-September. □

Bluefield Station wins again



For the fifth consecutive year, the Bluefield Station Department was the winner in the Bluefield Division Annual Summer Softball Tournament. The tournament, held on July 18 at the Bluefield City Park, was in conjunction with the division summer picnic. The tournament was played under double elimination rules, with the Bluefield Line Department finishing as runner-up. Front row is Bat Boy Aaron Rasi, son of Tony Rasi. Back row, l. to r., Mike Clayton, station crew supervisor; Lewis Crouch, station mechanic B; Jerry Blessing, station mechanic A; Mike Goforth, son of H. T. Goforth, building supervisor; Robbie Clayton, son of Mike Clayton; Tony Rasi, T&D clerk A; Mark Hartley, station mechanic C; Jimmy Rasi, brother of Tony Rasi; Bill Ball, GO Communications specialist; and Todd Marlowe, GO Communications engineer.

Winners of Independence Day Classic



Winners of the Second Annual Independence Day Classic held July 3 at the Riverside Golf Course, Mason, West Virginia, were, l. to r., Jerry Myers, father of John Myers; John Myers, marketing and customer services representative; Tom Rose, head T&D clerk; and Darrell Herdman, Jr., parttime meter reader. All three employees are from the Point Pleasant office. The winning score, in 9 scramble format, was 7 under par

Jeff, son of Ray Vest, administrative assistant, has been presented the Top Of The Mountain Award by the West Virginia Department of Education. The certificate of recognition designates Jeff as an academic scholar for 1986-87 and was presented in recognition of outstanding academic achievement in West Virginia. He will enter VPI&SU this fall.

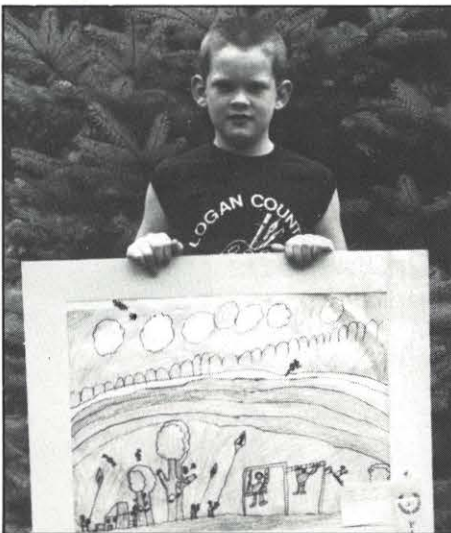
Bob Kilgore, division manager, was named to the board of directors of Beckley Renaissance, Inc., a non-profit organization promoting the revitalization of the city's downtown business area.

Huntington



Brandon Holtz, son of Billie Joe Coeyman, stores clerk B, was selected for the Barbourville Little League AllStar Team for 10-year-olds. He is a fourth grader at Barbourville Elementary. □

Logan-Williamson



Chris Michael, son of Ronnie Dalton, Logan area servicer, won third place in the Logan County Art Festival for his drawing entitled "Springtime." □

Beckley

Dianna, wife of Randy Thompson, T&D clerk C, was elected president of the Insurance Women of Beckley for 1987-88. She is personal lines manager for Sigmond-McLean, Hunt & Payne Insurance.

Virginia, wife of Hubert Farley, engineering technologist, won the Purchase Award at the 21st annual Rhododendron Outdoor Arts and Crafts Festival.

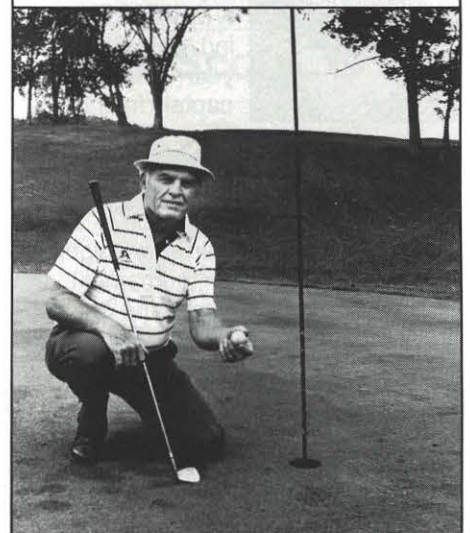
Darrell Sanford, Rupert line crew supervisor exempt, has been re-elected to a two-year term on the Rainelle Town Council.



Christopher, son of Hank Bostic, T&D clerk C, played right field for the Mariners, who won the Shady Spring Little League Teeball championship.

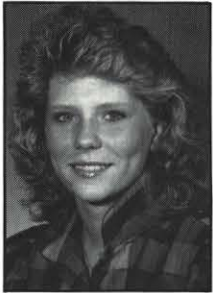
Jason, son of Kevin Duffy, junior clerk, played for the Pirates, who were runner-up in the Shady Spring Little League Teeball championship.

Hole-in-one



Chapman Rutledge, Huntington line mechanic A, scored his first hole-in-one at the Knob Hill Golf Course, Barbourville, West Virginia, on July 12. He used an 8-iron to ace the 115-yard, par 3, sixth hole. Mike Worley and Terry Whitt of Charleston witnessed the shot. Chappie's advice to other golfers: "Just have patience. It only took me 30 years!"

Roanoke



Jennifer Lynn, daughter of Tommy Anderson, automotive mechanic A, received several honors at Franklin County High School, where she is a rising senior. She was selected as a delegate to Girls' State at Longwood

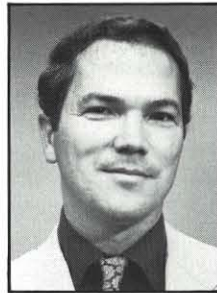
College in June. She also was one of 20 students selected to enroll in honors government, a college course, during her senior year. She was inducted into the National Honor Society and elected vice president for the 1987-88 school year. Jennifer also was elected co-captain of the varsity cheer squad. She is a member of S.A.D.D. and the Spanish Club as well as SCA representative. Jennifer is president of her church class; a member of the professional puppet group, the Small World of Puppets; and sings in the Teen Tone Choir.



Tracy Renee, daughter of Tommy Anderson, automotive mechanic A, twice was named student of the day at Franklin County Middle School during 1986-87 school year. She was co-captain for the Cavaliers Cheer Squad

for the North Franklin County Recreation Club during basketball season. Tracy was chosen as captain of a squad selected to compete in the Knights of Columbus basketball tournament and cheer competition. During the competition, her squad was chosen best squad, the highest honor. Tracy is a member of S.A.D.D. at the Middle School and the Teen Tone Choir and Small World of Puppets team at her church.

Joe Higgins, Fieldale manager, was installed as chairman of the Martinsville-Henry Chapter of the American Red Cross for a two-year term.



L.B. Short, Stuart area supervisor, was named volunteer of the year in economic development by the Patrick County Board of Supervisors. Chairman of the Patrick County Economic Development Corporation, he was cited

for his avid interest and devotion towards establishment of the Patrick County Industrial Park and the state's certification program for economic development. Short was the unanimous selection of the supervisors as the county's nominee for the honor. He was nominated to represent Region Three of the State Department of Economic Development, and the state volunteer of the year will be announced this month. □

Ohio Honey Princess



Laura Brickey, representing the Lawrence County, Ohio, Beekeepers Association, was selected as the 1987-88 Ohio Honey Princess. She will attend fairs and political meetings throughout the state to promote the use and value of honey. She was in the Queens Booth at the Ohio State Fair the week of August 6-15. Laura, the daughter of Lenora Brickey, laboratory technician at the Huntington General Laboratory, won first place in advanced beekeeping at the Lawrence County Fair. She represented the Lawrence County 4-H in entomology judging at the Ohio State Fair.

Philip Sporn



Annette, daughter of Denver Gibbs, maintenance mechanic A, was chosen Junior Miss 4-H at the Mason County 4-H pageant. A 4-H'er for six years, she is a sophomore at Point Pleasant High School.



Stephanie, daughter of Denver Gibbs, maintenance mechanic A, has been nominated for the second consecutive year for inclusion in "Who's Who Among American High School Students."

Only five percent of the nation's high school students are recognized in "Who's Who" each year and only one-half of one percent are honored for two consecutive years. Stephanie is attending Parkersburg Community College. □

Class of 
1987

Eric Mizeras, son of Alan Mizeras, industrial hygienist, GO Personnel, Roanoke, Patrick Henry High School.

Richard Alan Rader, son of Richard B. Rader, station drafter A, GOT&D Station Design, Roanoke, Cave Spring High School.

Thomas Rodney Thompson, son of Thomas Thompson, retired Glen Lyn Plant equipment operator, associate in applied science in instrumentation technology, New River Community College. □

General Office

R. L. Jamison, station supervisor-electrical equipment, GO T&D Station, Roanoke, is president of the Smith Mountain Lake Lions Club for 1987-88



Erika, nine-year-old daughter of Gary Lewis, assistant stores supervisor, GO T&D Stores, Roanoke, was the western district champion for her age group in the Virginia State Coca-Cola National Junior Bowling Championships. She was the only representative from the Roanoke Valley.



Sherry Moore, daughter of Judy Johnson, secretary-stenographer B, GO T&D Transmission, Bluefield, has been named a U.S. National Collegiate award winner in home economics. She attends Southern College of Seventh Day Adventists.

SSG Benny Litteral has retired from the U.S. Army Reserve after more than 22 years' service. During his career, he served with the 978th Quartermaster Company, Galax; 424th Quartermaster Company, Bluefield; 343rd Medical Company, Galax; 150th Armed Cavalry, West Virginia National Guard, Princeton; 424th Transportation Company, Galax; and 2nd Bn. 318 Regt. 2nd Bde, Dublin. Benny is a hydro mechanic A, GO Hydro, Byllesby. □

Sesquicentennial time capsule



Members of the Mercer County Historical Society along with workers from Princeton Machinery watch Appalachian Power workers bore a hole for the sesquicentennial time capsule the Historical Society will place on the courthouse lawn on October 4 at 2 PM. Bill Stafford is preparing the brass capsule, and Appalachian donated the time to dig the hole. From l. to r., are Robert Farley, Princeton area supervisor; Ocal Smith, line mechanic A; Don Jones, line mechanic C; John Harvey, line crew supervisor NE; Princeton Machinery's Bill Stafford and Ronnie Morris; and Historical Society members Paul McManaway and Fred Cooke. Photo courtesy Princeton Times. A copy of this issue of The Illuminator will be placed in the time capsule.

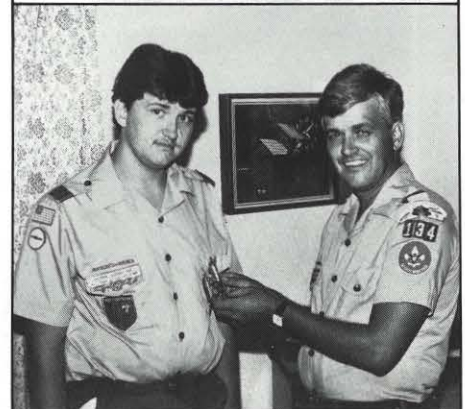
Lawson earns CPS rating



Joy Lawson, secretary, GO Accounting, Roanoke, has earned the designation of Certified Professional Secretary. She successfully passed an examination administered by the Institute for Certifying Secretaries, a department of Professional Secretaries International (PSI).

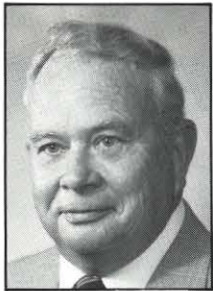
A graduate of National Business College, Lawson joined Appalachian in 1969 in the GO Purchasing Department. She has been secretary to the accounting manager since 1977. □

Eagle Scout

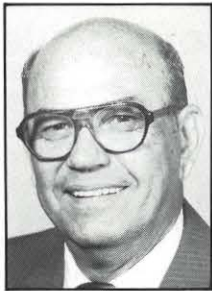


Jimmy Bolen, son of Beckley Line Crew Supervisor Basil Bolen, has been awarded Scouting's highest honor, the rank of Eagle. A member of Troop #134 sponsored by the First Christian Church of Beckley, Jimmy is also a brotherhood member of the Order of the Arrow. For his Eagle project, he organized a community blood drive. Basil serves as Scoutmaster of Troop #134. L. to r., Jimmy and Basil Bolen.

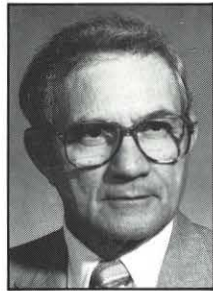
Service Anniversaries



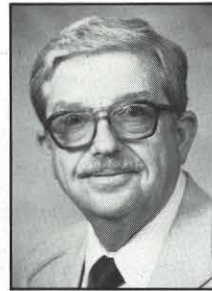
Carl Smith
regional disp.
GO-Roanoke
40 years



Wilbur West
meter electrician A
Charleston
40 years



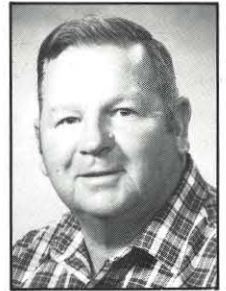
Bill Ohlinger
maint. mechanic A
Philip Sporn
35 years



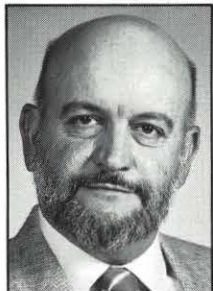
Jack Martin
area supervisor
Pineville
35 years



Dan Hall
shift op. eng.
Glen Lyn
35 years



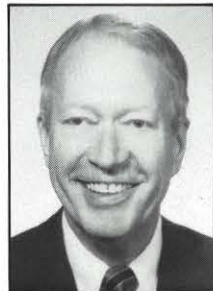
Dalford Harman
trans. line crew supv.
GO-Bluefield
35 years



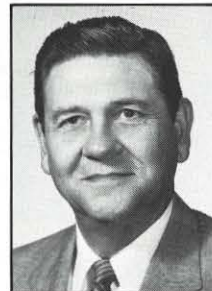
Bob Stewart
meter crew supv. NE
Kingsport
30 years



Janice Pagans
elec. plt. clerk A
GO-Roanoke
30 years



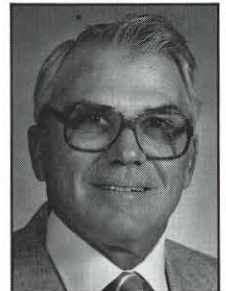
Jack Shaver
administrative asst. A
Charleston
30 years



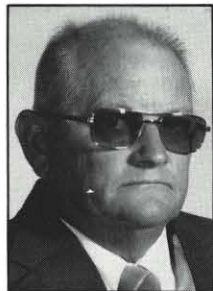
Jack Dobbins
collector
Beckley
30 years



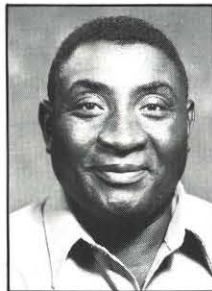
Harvey Gillespie, Jr.
performance supt.
Glen Lyn
30 years



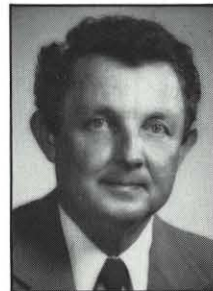
Clayton Daugherty
line crew supv. NE
Kingsport
25 years



Tater Anderson
line mechanic A
Galax
25 years



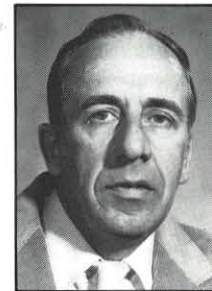
John Crider
res. grdkpr. sr.
Roanoke
20 years



Curtis Winebarger
meter electrician A
Lynchburg
20 years



Tom Throckmorton
supv. clk.-forms
& off. supply ctr.
GO-Roanoke
20 years



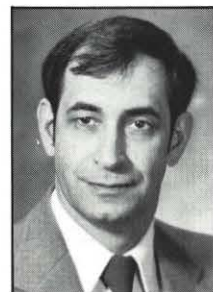
Cecil Duncan
maint. mechanic A
Philip Sporn
20 years



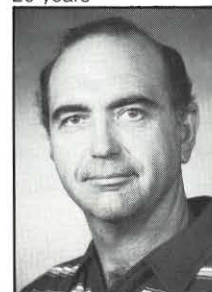
Rodger Woodrum
energy services supv.
Charleston
20 years



Mary Taylor
cust. accts. rep. B
Oak Hill
20 years



Bennie Nicholson
maintenance supv.
Kanawha River
20 years



Carl Presley
sta. const. rep. sr.
GO-Bluefield
20 years

Abingdon

10 years: **Wanda Payne**, customer accounts representative B.

John Amos

15 years: **Edward Raynes**, equipment operator A. 10 years: **Harry Dickson**, maintenance mechanic B. 5 years: **Tom Cloer**, personnel assistant. **Terry Roush**, plant engineer.

Beckley

10 years: **Darlene Peck**, customer accounts representative B.

Bluefield

15 years: **Linda Hess**, customer accounts representative B, Tazewell. 10 years: **Judith Dillenbeck**, meter reader, Tazewell. **Jesse Ruble**, line mechanic A. **David Bogle**, line mechanic B. **Cheryl Armistead**, meter electrician B. 5 years: **Randy Powell**, line mechanic C, Pineville.

Central Machine Shop

15 years: **Loren Price**, semi-tractor trailer driver. 10 years: **Marvin Pence**, machinist 1st class. **Dave Salisbury**, machinist 1st class.

Centralized Plant Maintenance

10 years: **P.T. Williams**, maintenance welding supervisor. **K.D. Harrison**, maintenance mechanic A. **T.L. Reiber**, maintenance mechanic A.

Charleston

40 years: **Kenna Judy**, engineering technologist (LTD). 10 years: **Robert Wilson**, station mechanic B. **Emanuel Watts**, meter reader. **Laura Adkins**, meter electrician B. 5 years: **Troy Coyner**, electrical engineer. **Shirley Leroy**, customer accounts representative C. **Teresa Easter**, drafter C.

Clinch River

15 years: **Charles Edmonds**, unit supervisor. **Randy Buckles**, maintenance mechanic B. **Sherman Nash**, unit supervisor. 5 years: **David Stamper**, utility coal attendant.

General Office

20 years: **Robert Tucker**, transmission station mechanic A, GO T&D Station, Marmet. 15 years: **Hazel Harman**, secretary, GO Operations, Roanoke. **Betty Young**, station clerk C, GO T&D Station, Roanoke. 10 years: **Frank Harris**, communications engineer senior, GO T&D Communications, Roanoke. 5 years: **Roger Smith**, transmission station mechanic B, GO T&D Station, Marmet. **Paul Thumm**, transmission station mechanic C, GO T&D Station, Marmet. **James Perry**, labor relations manager, GO Personnel, Roanoke. **Larry Lilly**, transmission station mechanic C, GO T&D Station, Marmet.

Huntington

15 years: **Vickie Sowards**, customer accounts representative B, Milton. **Sonny Garnes**, customer

accounts representative A, Point Pleasant. **Ed Hornbuckle**, line mechanic A. 10 years: **Mike Dawson**, engineering technologist supervisor. **Ray Logan**, line mechanic A, Point Pleasant.

Kanawha River

15 years: **Larry Green**, assistant shift operating engineer. 10 years: **Brenda Ross**, personnel clerk B.

Kingsport

15 years: **Don Conner**, automotive mechanic A.

Logan-Williamson

5 years: **George Walton**, service supervisor, Logan. **Bobby Collins**, automotive mechanic A, Logan.

Lynchburg

10 years: **Walter Childress**, line mechanic A. **Randy Golladay**, area servicer.

Mountaineer

10 years: **John Powell**, maintenance mechanic A (LTD). **Dick Dixon**, control technician. 5 years: **Mike Norris**, coal handler.

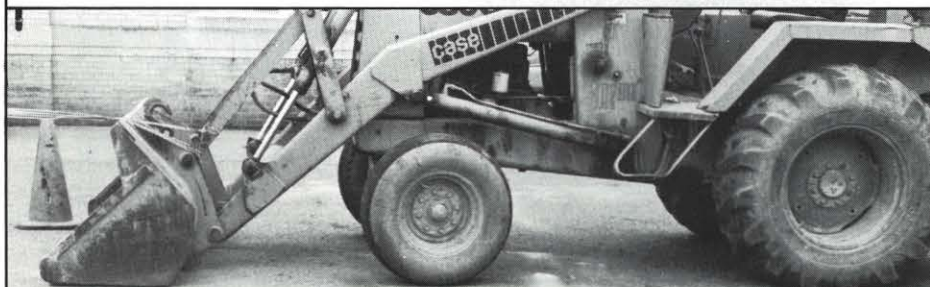
Roanoke

15 years: **Kurt Sisson**, line mechanic A. **Wayne Bowling**, line crew supervisor nonexempt, Rocky Mount. 5 years: **Leslie Okes**, engineering technician, Fieldale. **Regina Hines**, cashier B.

Philip Sporn

35 years: **Paul Taylor**, harbor boat operator. 20 years: **Donald Goodnite**, stores attendant. 10 years: **Marlene Johnson**, maintenance mechanic C. **Altina Crisp**, maintenance mechanic B. **Michael Hudnall**, maintenance mechanic B. **Gregory Powers**, maintenance mechanic B. **Sidney Manual**, maintenance mechanic B. **Charles Edmonds**, maintenance mechanic B. **Paul Darnell**, unit supervisor. **Earl Dewees**, maintenance mechanic B. **John Moore**, unit supervisor. **Dennis Marcinko**, maintenance mechanic B. **Robert Rutan**, maintenance mechanic A. □

Remains of kerosene plant uncovered



A bit of Charleston, West Virginia's, history was uncovered after a portion of Appalachian's Virginia Street office parking lot sunk recently. The ground had settled around part of an old kerosene plant brick structure. Charleston Historian Harry Brawley thinks the old kerosene manufacturing plant was constructed shortly after the Civil War when kerosene replaced coal oil in the Kanawha Valley. The coal oil was produced from cannel coal. The more modern and clean kerosene, used for cooking and lamps, was delivered by Standard Oil Company's horse-drawn wagons to residential, commercial, and industrial customers.

A country caught in the middle

(continued from page 10)

their bargaining position. The Russians originally had agreed to leave within four years, but the rebels wanted them out in a matter of weeks. Right now, the time

frame is 18 months, but talks continue. While there's general acknowledgement that the Afghan rebels could not have resisted the Russian army without the

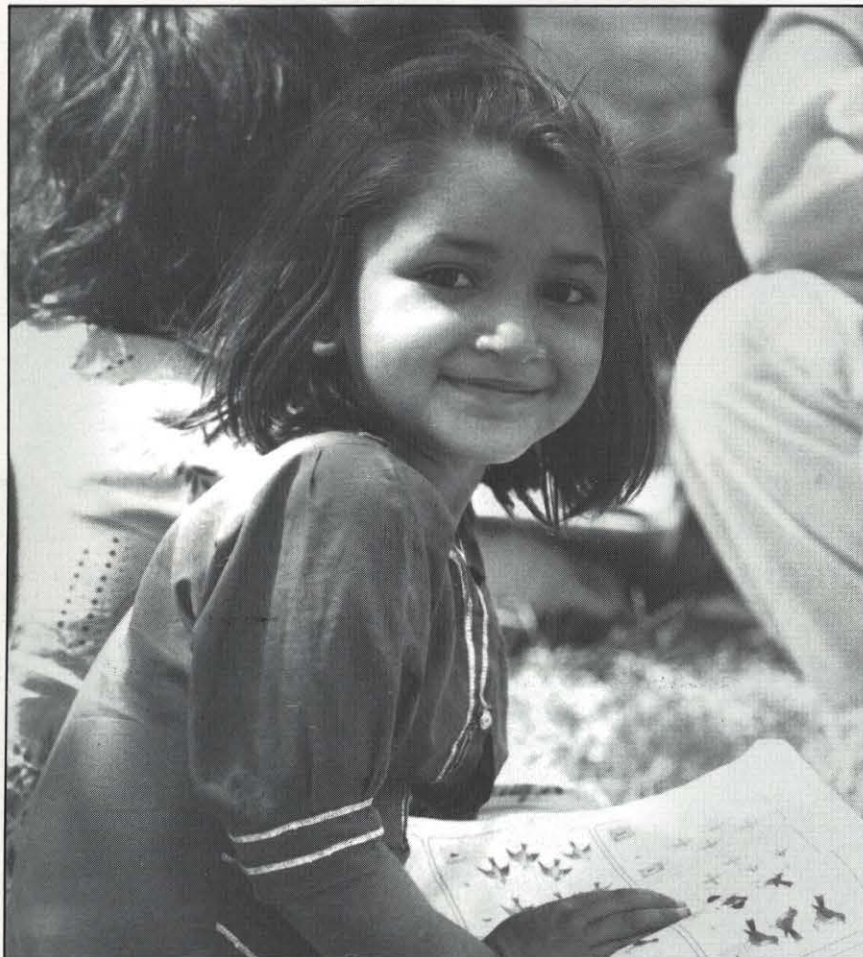
American arms sent to them through Pakistan, it's also crucial that Pakistan remain politically and socially stable.

"Pakistan stability is a pre-condition for success in Afghan," Hinton said. In a speech last year dedicating an electric power plant built with American aid, he said, "We make no secret of our admiration for Pakistan's toughness and constancy in the face of the Soviet aggression in Afghanistan... a prosperous, developing Pakistan can become a major pillar of strength and stability in Asia and the Gulf."

The geopolitical importance of Pakistan was accentuated recently when a \$4 billion foreign-aid package — the largest ever for Pakistan — passed both houses of Congress. That is especially significant, Hinton told his Pakistani audience, "at a time of acute budgetary distress in the United States."

Recent developments, however, have placed this aid package in serious jeopardy. A Pakistani-born Canadian citizen was caught trying to smuggle 25 tons of nuclear hardware out of the U.S., and several Congressional leaders are seeking to cut off aid to Pakistan. American aid to Pakistan is, in fact, contingent on the fact that that nation not develop nuclear weapons.

It is still unclear how this latest development will be resolved. But for those familiar with the history of U.S.-Pakistani relations, this latest episode doesn't seem so unusual. In fact, it seems quite consistent in a hot-and-cold, up-and-down relationship. □



A young Pakistani student notices a visitor to her outdoor classroom.

ILLUMINATOR

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