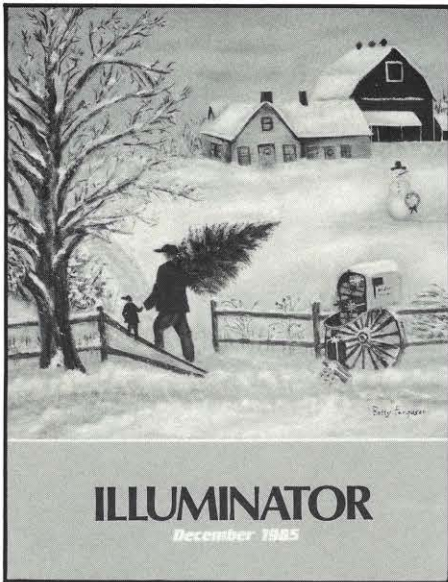




Betty Ferguson

ILLUMINATOR

December 1985



Betty Ferguson put her artistic talents to work and painted this Christmas scene especially for the cover of *The Illuminator*. She is the wife of Charles Ferguson, Huntington right of way agent.

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AEP Savings Plan

Date	Fixed Income Fund		Equity Fund		AEP Stock Fund	
	VPU	UCPD	VPU	UCPD	VPU	UCPD
1/31/85	\$2.0617	.4850	\$2.9918	.3342	\$2.1977	.4550
2/28/85	2.0823	.4802	3.0320	.3298	2.2055	.4534
3/31/85	2.1045	.4751	3.0412	.3288	2.2723	.4400
4/30/85	2.1263	.4703	3.0325	.3297	2.2991	.4349
5/31/85	2.1491	.4653	3.2147	.3110	2.4785	.4034
6/30/85	2.1715	.4605	3.2694	.3058	2.5583	.3908
7/31/85	2.1947	.4556	3.2603	.3067	2.5166	.3973
8/31/85	2.2183	.4507	3.2443	.3082	2.4011	.4165
9/30/85	2.2413	.4461	3.1370	.3187	2.3061	.4336

VPU — value per unit

UCPD — units credited per dollar

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

IABC

International Association of Business Communicators



Betty Ferguson

From cloth to canvas

Betty Ferguson's talent as a seamstress was very much in evidence when her three girls were growing up. She made most of their clothes and even designed and made their wedding gowns. But, after the girls left home, Betty turned her creative talents from cloth to canvas.

Betty relates, "Actually it was my sewing that started me in art. I took a class in sketching so I could learn to sketch clothes. There were some painters in the class and, through my association with them, I started studying art. I have never been out of class — other than a week or two between the ending of one term and the beginning of another — for the past seven years. Right now I am taking classes at The Davis Galleries."

She continues, "I worked so my husband Charles (Huntington right of way agent) could go to college, and I worked so the girls could go to college. I just felt it was time to do something for myself. But until I retired last year, I really never had the opportunity to do many paintings other than what I was working on in class.

"As long as it is easy for me to commute to my classes, I plan to continue because

one can never learn it all. I have had three different teachers, and each one of them has different techniques and different methods. When I am studying under a certain teacher, I learn his techniques. Then gradually my own develops out of that composite.

"I have two projects going now. One is a series of barns with signs painted on them. I have already done five, and I

have five or six more to complete. I want to paint them because they are phasing out of our lifestyle. I also want to paint a 'swinging' bridge."

Quite a few of Betty's paintings have been for family members and friends. "When I paint for a certain person, I try to paint something he or she is interested in. For instance, I did a painting of Sattis Landis' farm pond for his birthday one year. (Sattis is a regional dispatcher, GO Operations, Tri-State Dispatch). My minister has a quiet place where he goes to be alone. His sister took me there, and I made photographs of it so that I could do a painting for him.

"One of our daughters lived in Hawaii for a while, and Charles and I went to visit a couple of times. I always took my camera and brushes, and I did several paintings of their favorite places."

Betty also has painted a mural for the baptistry in her church, which took 49 hours to complete. "I did a mural for a daughter's nursery, which covers three walls."

Betty states, "I get such joy from giving my paintings to people who want them. I could paint all day, and time would stand still. It is just intriguing. But I also on occasion babysit for a grandson and have too many other things to do to be able to paint all the time.

"We have talked about building a room onto the house, which would have a skylight, lots of windows, and blank walls to hang my paintings on. I expect that will come within the next year."

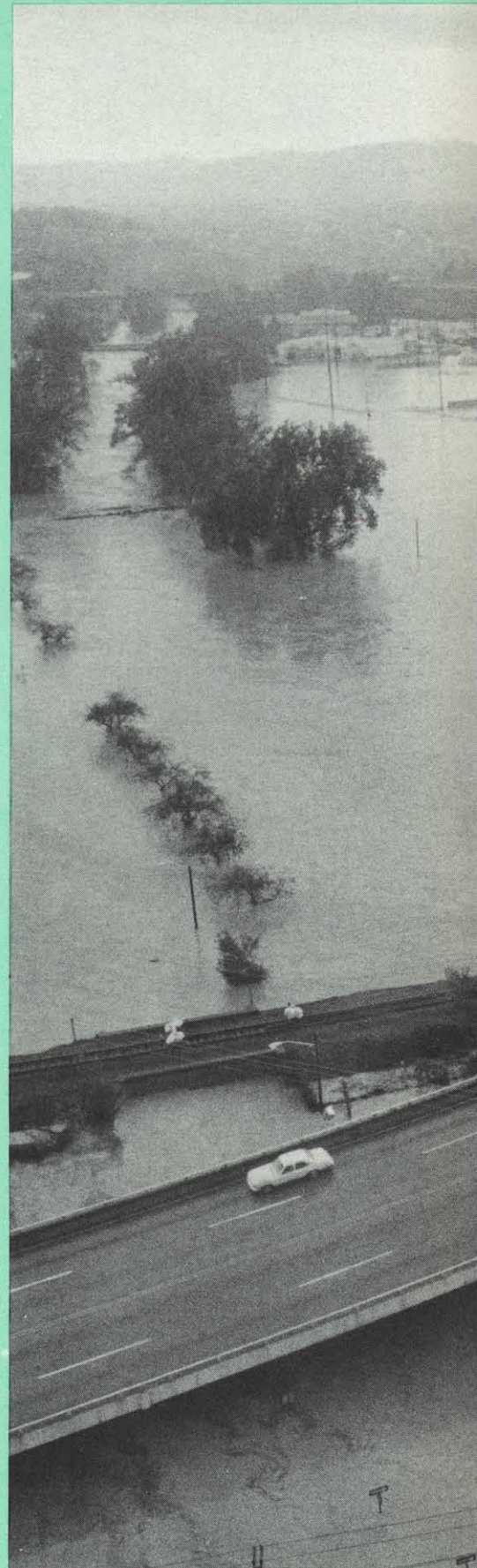
Betty concludes, "Charles helps by preparing my canvases, which is a big job. He helps me stretch the canvases and prepare them for painting and also frames some of my paintings. I couldn't do all the things I do unless he was supportive of me and my endeavors." □

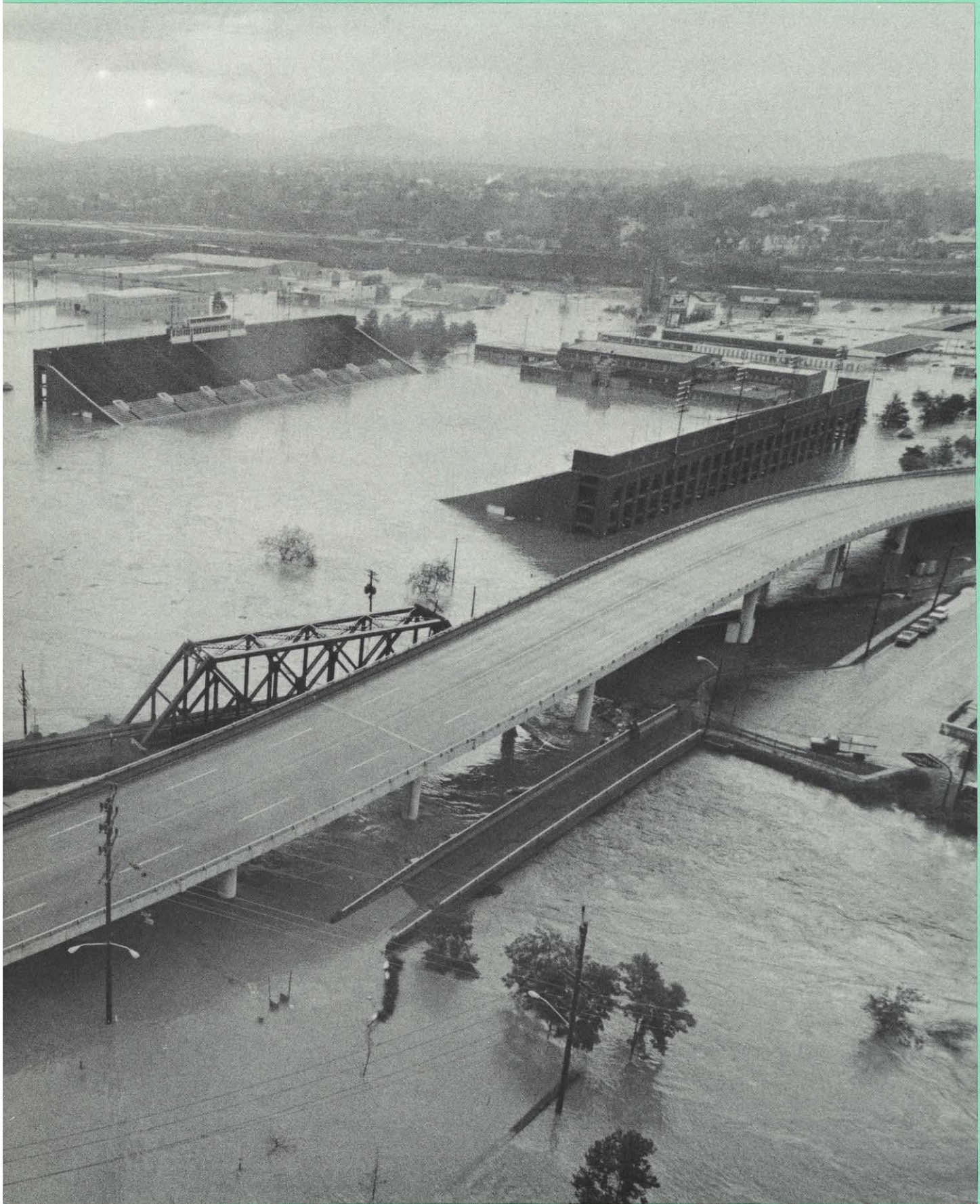


FURY OF A FLOOD

The remains of tropical storm Juan, followed by a severe cold front from the west, passed through portions of Virginia and West Virginia at the end of October, leaving behind a steady rain. By Monday, November 4, the soil was so wet it could take no more moisture. Bubbling creeks turned into raging rivers, damaging or destroying homes, businesses, vehicles, and

whatever else was in their way. In the Commonwealth of Virginia 21 people died, including ten in the Roanoke Valley, and damage has been estimated at \$500-million. At last count, 38 people were dead in West Virginia and at least ten missing. More than half of that state's surface, as well as many localities in Virginia, have been declared federal disaster areas.





The Roanoke River, which crested at a record 23 feet, left Victory Stadium, South Roanoke Park, and surrounding businesses awash in a morass of muddy water and debris. Photo courtesy Roanoke Times & World News.

Damage in Appalachian Power's service area was confined mostly to the Roanoke and Lynchburg areas. The Roanoke River crested at a level of more than 23 feet between 6 and 7 P.M. on November 4 — higher than the previous record level of 19.6 feet set in 1972. And the James River in central Virginia crested at a record 35 feet on the evening of November 5.

* * *

The flooding created severe operating problems in Roanoke Division beginning around 11 A.M. that Monday. "Until that time, we had experienced a few scattered outages but no major problems," recalls Roanoke Service Supervisor Jerry Adcock. "Then the bottom fell out. It was raining hard, and flooding was beginning to start. We were getting a lot of 'no power' calls, and our crews were having difficulty in getting to different areas. Roads were blocked and traffic jams were everywhere."

Roanoke's Walnut Avenue store-room reported flooding in the buildings and requested that electrical service be disconnected. When Gene French, engineering technologist, drove over to see what needed to be done, water was up to the car tires. "I wasn't there any longer than 30 minutes," he said, "but when I left, water was up to the hood of the car and several vehicles were stalled on the driveway. If I had stayed five minutes longer, I probably would have had to swim out."

Plans were made to evacuate the Roanoke Service Center, located in the Industrial Park adjacent to the river. Pete Nease, division T&D superintendent, stated, "Access to and from the building was becoming blocked; and, as quickly as the water rose, we didn't have a lot of time to waste. We made arrangements to transfer all personnel to the Franklin Road office. Everyone was evacuated from the service center by 5:15 P.M."



When the Roanoke Service Center (above) became surrounded by water, employees were evacuated by company trucks.





Water that appeared deceptively shallow on some roads quickly swallowed up vehicles and their drivers, carrying several people to their deaths and cutting off major thoroughfares in many parts of the city. Near the Boxley Hills section, cars floated through a surging Carvin Creek along Williamson Road. Photo courtesy Roanoke Times & World News.

The GO T&D Communications Section sprang into action. Trouble calls, which normally are received at the Service Center, would have to be taken by Marketing and Customer Services personnel at the Franklin Road office. An additional radio controller was installed to give dispatch personnel access to both system and division frequencies. This would allow direct contact with crews coming in from other areas to be on hand Tuesday morning. Later that night, provision was made for the regional dispatch center to operate out of the pent-

house since they could have radio access at this location. That would enable the M&CS people to return to normal operation the next morning.

Once the Service Center employees regrouped at the Franklin Road office, emergency operations continued. By mid-evening, approximately 26,500 customers were out of power — a large number were interrupted because of the flooding of the Walnut Avenue, Campbell Avenue, and Wasena substations. Radio communications were still plagued by problems, and the val-

ley was in a state of emergency.

One critical area requiring immediate attention was the interruption of power to Roanoke Memorial Hospital and Community Hospital of the Roanoke Valley. Adcock said, "Each hospital is served by two sources, but every source was interrupted. Power was made available to Memorial by 10 P.M. Monday night by switching to another circuit. However, restoring Community was a little more difficult. Our engineering people did a tremendous job of searching for a possible source. They later de-

signed a temporary feed to the hospital using portions of two circuits, and service was restored by 6 P.M. on Tuesday night. It was an outstanding job."

Line Superintendent Dan Adams stated, "Until the waters receded, it was difficult to gauge the extent of damages to our distribution facilities. Station Superintendent Jesse Aird agreed. "Until the waters subsided and we could enter the stations to assess the damage and begin repairs, there wasn't a lot we could do. But we knew the damage would be severe. The control building at Campbell Avenue Station had about four feet of water in it. That's where a lot of our spare parts were stored, so that made the situation worse."

Roanoke Division crews worked through the night, and company and contract crews from Abingdon, Bluefield, Pulaski, and Lynchburg arrived on Tuesday morning, along

with personnel from the GO T&D Station, Communications, and Transmission Sections. By noon, the number of outages had been reduced from a peak of 26,500 to 14,000.

Early Tuesday morning, Adcock flew the Roanoke Valley by helicopter to assess line damages. "The things I saw were unbelievable," he said, "Homes, trailers, and businesses were demolished; roads were washed away. Several of our distribution lines had poles washed away and, in a couple of places, entire sections of lines were gone.

"Our crews basically had to rebuild entire sections of lines," Adcock continued. "They showed a great deal of ingenuity and accomplished their work in an outstanding manner under very difficult circumstances. What was even more impressive was the seemingly tireless way in which they performed

their jobs even though many had homes and property damaged by the flooding. I never thought we would have everyone who could take power restored in less than 72 hours."

Division Manager Bob Webster stated, "Once again our employees responded to this emergency situation in an outstanding manner. Though they were faced with very difficult circumstances, they performed to the highest level. Their dedication and effort were second to none. I sincerely appreciate the tremendous job each employee did. I also would like to thank the employees from other divisions and GO T&D, who provided great assistance."

Damage along portions of the Roanoke River would have been much more severe had it not been for the company's Smith Mountain Hydro-electric Project. The employees of GO Operations did an outstanding job in controlling flows out of Smith Mountain and Leesville Lakes. As a result, the water level in Smith Mountain rose only to an elevation of 799.47 feet, below the maximum surcharge of 799.79 feet which occurred during the 1978 flood. A maximum of 14 feet of flood gates were opened at Leesville in order to properly handle the tremendous flows.

* * *

As the waters receded in the Roanoke Valley, the central Virginia area, including Lynchburg, began to experience disastrous flooding.

Grady Parker, line and station superintendent, said, "By 9 o'clock Monday evening, the flood gates at Reusens Hydro were up as high as they would go. Water was still rising, and we had to do something to try to keep it out of the plant. We obtained 150 sandbags and a roll of plastic to seal the doors, but something washed in and knocked a big hole in one of the doors. Water washed through the plant and knocked out the back windows. We received a call from Owens-Illinois, saying some



Water rushes over the spillways at Smith Mountain Dam. The GO Operations employees did an outstanding job in controlling flows from Smith Mountain and Leesville Lakes, preventing more severe damage from occurring.

chlorine tanks were loose and warning us to get everybody out of Reusens because it was possible the tanks might rupture on the dam structure.

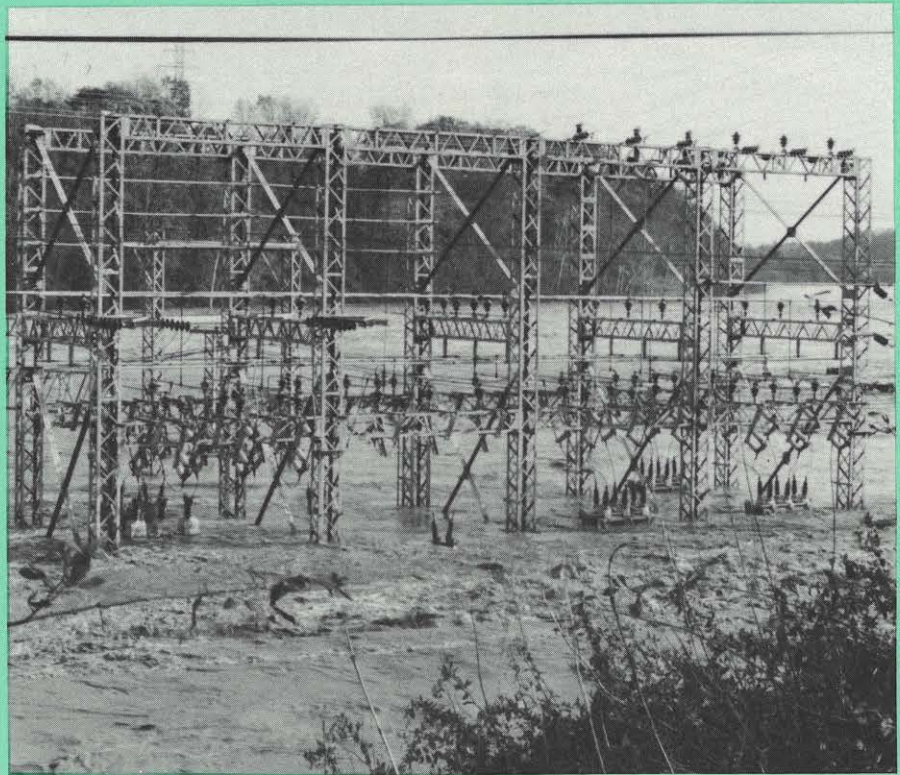
“There were scattered outages here and there the rest of the night. Then Tuesday morning the Blackwater and Rivermont Stations flooded, and we lost our B&W Station because the river got so high that the 69 kv lines crossing it were on the water. All kinds of debris washed into them, and we were lucky the structure on each side of the river didn’t break down. There were lines down all over the lower basin area.”

Steve Jacovitch, station crew supervisor, surveyed the area by helicopter. “As we flew over the Glamorgan Station, it was totally covered except for about a foot of the transformer. One of the problems we had was that the water didn’t recede as fast as it did in Roanoke. It is frustrating when you can’t get into a station to assess the damage. This was a time that called for creative ideas, and I have had people tell me they think our employees did an exceptionally fine job under trying conditions.”

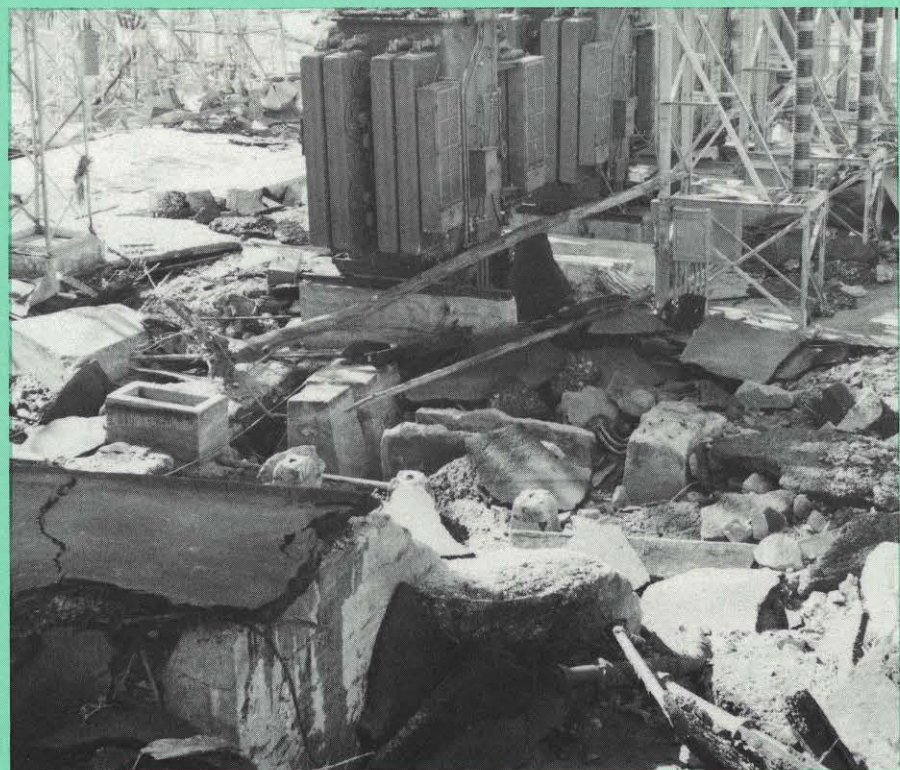
All available company and contractor personnel worked throughout the week, and all services were restored by 6:30 P.M. on November 7, with the exception of one station.

Although the Reusens Hydroelectric Plant suffered extensive damage, it is expected that some of its units will be back in operation within 90 days.

Division Manager Bob Davenport commented, “This was certainly one of the worst floods ever witnessed in this region. Facilities serving several of our largest customers and substations serving 9,650 residential and business customers were damaged. Even our downtown office building struggled with the loss of electricity for two days. But the dedication and completely unselfish



When water receded from the Reusens Plant and Station (above), extensive damage had been done to the facilities.





manner in which our employees responded to the restoration of service was truly remarkable. Their response showed me again and again that they were willing to put the needs of our customers first even at the substantial sacrifice to their own comfort and convenience. One does not see this kind of dedication in an average group, only in a superior group of folks who put the needs of others above their own. Thankfully, all the work that was done under these most adverse conditions was done in a safe manner, and we sustained no injuries."

John W. Vaughan, president of Appalachian, also praised employees for their performance. "As is the usual case in natural disasters of this sort," Vaughan said, "Appalachian employees rallied to the cause and their efforts in restoring service and assisting customers was magnificent. I sincerely appreciate the efforts of each employee involved in this endeavor."

Vaughan continued, "Although the company's losses associated with the flood will be in the range of \$5½-million, we recognize that many people in the area had personal and devastating losses. In an effort to assist with speedy recovery from the disaster, Appalachian contributed \$15,000 each to the Red Cross and the Salvation Army for flood relief activities. Both of these agencies, who are supported on a regular basis by our employee benevolent associations, were immediately ready to help the public."

Accepting the check for the Red Cross was Charles H. McKeever, president and general manager of WDBJ-7, who is serving as the fund raising chairman for the 1985 Red Cross Flood Disaster Relief. McKeever said, "The American Red Cross deeply appreciates the gift of \$15,000 from Appalachian. Appalachian is and has always been a good neighbor in supporting all of the top causes. Even at the time when Appalachian and its



employees had corporate and personal losses, they realized the need for this general disaster relief."

Captain Satterlee of the Salvation Army responded, "We are deeply gratified by the compassionate gift of Appalachian Power Company. We are happy to know that we can translate this monetary gift into the deepest needs of those affected by the disaster. It will mean blankets and clothing for the cold, food for those who have lost everything, and other aid for those left homeless or jobless by the disaster."

As an additional way to help customers who are in a difficult financial position because of the flood, Appalachian has offered special assistance in the payment of their electric bills. At the time *The Illuminator* went to press, 33 customers had taken advantage of this special offer. □



Dave Bradford, forms and office supply clerk, GO General Services, Roanoke, and his wife Patricia lost their mobile home and possessions. Sixty-five company employees were affected in various ways by the flood.



Appalachian President John W. Vaughan talks with Salvation Army Captain Satterlee, Roanoke Division Manager R. D. Webster, and Chuck McKeever, fund raising chairman of the Red Cross Flood Disaster Relief. Appalachian donated \$15,000 each to these two organizations.

INFORMATION

Benefit

Changes in AEP dividend and stock purchase plan

Two changes will be made in early 1986 in the AEP Dividend Reinvestment and Stock Purchase Plan, in which many employees of AEP System companies are participants.

1. Common stock for the plan will be bought on the open market rather than issued as new shares — an action taken because AEP does not expect to need the additional equity capital that would otherwise result, and
2. The former option that allowed a plan participant to buy additional shares for cash will be reinstated.

On the other hand, effective January 1, a tax-exclusion benefit will no longer be available to participants. This is because a provision of the Economic Recovery Tax Act of 1981 that currently allows

participants to exclude from taxable income up to \$750 of reinvested dividends (\$1,500 for joint returns) will expire December 31 — unless the Congress enacts legislation to make it permanent, a most unlikely development at this stage.

Even if the provision were extended, the AEP plan will no longer qualify for such tax benefit because it (the benefit) would apply to only those plans that issue **new** shares for dividend-reinvestment purposes. Should such legislation be passed, the AEP plan would not be eligible for the tax benefit until and unless AEP once again issued new stock for use in the plan.

The decision to bring back the option of buying additional shares for cash was based on popular demand. The cash-purchase option, part of the plan when it was

established in 1977, had been dropped only a year ago.

Brokerage fees and other expenses incurred in the market purchase of stock — whether by dividend reinvestment or cash — will be absorbed by the company. However, participants should note that the amount of their dividend and the tax basis of their shares acquired in this manner, for federal income tax purposes, would increase by the amount of the fees.

Employees interested in the Dividend Reinvestment Plan may obtain a prospectus from Morgan Guaranty Trust Company, AEP Dividend Reinvestment Plan, P. O. Box 3506, Church Street Station, New York, N.Y. 10008. The offering will be made only by the prospectus. □

How Retirement Equity Act affects AEP benefit plans

Last year Congress passed the Retirement Equity Act, effective January 1, 1985, in an effort to make benefit plans more equitable to women. However, it probably affects as many men as it does women.

At AEP, the act affects the AEP System Retirement Plan by giving a spouse the right to approve a surviving spouse benefit election of less than 50 percent of the retired employee's monthly benefits.

The AEP System Savings Plan and PAYSOP also are affected. Under the act, a spouse who has been

designated to receive less than 100 per cent as beneficiary must formally approve that arrangement. In cases where someone other than the spouse has been named beneficiary — without that spouse's consent — the act requires the appropriate plan to pay survivor benefits directly to the spouse, regardless of the employee's beneficiary designation.

When the beneficiary provision of the act became effective, employees who had elected beneficiaries other than their spouses or who had not designated their spouses as 100-percent benefi-

ciaries under the Savings Plan and PAYSOP were notified that the spouse's written agreement must be obtained for the designation to remain valid.

Additionally, employees approaching retirement are being notified that their spouses must agree in writing to their benefit election under the retirement plan.

The legislation does not affect beneficiary elections made under the group life insurance and accidental death and dismemberment plans, and Congress has not yet passed such legislation. □

INFORMATION

Benefit

Express Pharmacy Services gaining popularity

The AEP System's new mail order drug program — Express Pharmacy Services — has been in business now for three months and, in that brief period, has proven to be a popular addition to the company's benefits program. It is especially beneficial to employees and retired employees on long-term maintenance drugs.

Some employees who have participated in the new service, how-

ever, have reported that certain prescriptions have been available at times at local cut-rate pharmacies at prices about the same as, if not lower than, Express Pharmacy. There are reasons for this, for example: "loss-leader" strategy, competition, closeouts, etc.

Express Pharmacy always charges the wholesale price for all medications. Under most circumstances, this price represents a

substantial cost saving for both the employee and the company, which pays for a large part of the service through its Medical Plan.

Nonetheless, employees are advised to be wise shoppers and compare prices. Express Pharmacy has a toll-free telephone number (1-800-222-8938 during normal business hours) for this purpose. □

New year brings social security, medicare changes

Another year is almost here and with it comes changes in Social Security and Medicare. Here is a summary of the principal changes scheduled to take effect January 1.

Cost-of-Living Increase

Recipients of Social Security benefits will receive a 3.1 percent increase in their monthly checks starting in January. The maximum monthly benefit for a worker retiring at age 65 in 1986 will be \$760. The increase is based on a rise in the Consumer Price Index between the third quarters of 1984 and 1985.

Taxable Wage Base

The 1986 wage base subject to Social Security taxes will be \$42,000, up 6 percent from this year's \$39,600. This increase is pegged to average earnings, nationally, which went up 5.9% between 1983 and 1984.

Tax Rate

The 1986 tax rate on the above wage base will be 7.15 percent for both employee and employer, as provided by amendments added in 1983 to the Social Security Act. This is an increase of 1.4 percent over the present rate of 7.05 percent. Thus, the maximum tax in 1986, for both employee and employer, will be \$3,003 (\$42,000 x 7.15 percent), compared with the current \$2,792.

Earnings Test

A Social Security recipient may now earn more money without incurring a reduction in benefits. Such "earnings test," like the taxable wage base, is pegged to national average earnings. The old and new limits on earnings are:

	1985	1986
Under age 65	\$5,400	\$5,760
Ages 65-69	\$7,320	\$7,800
Age 70 and over	No limit	No limit

Medicare

The following changes were made in Medicare Part A (which applies to hospital expenses) as a result of the automatic indexing procedure:

	1985	1986
Deductible for inpatient hospital services	\$400	\$492
Daily coinsurance*:		
First 60 days of hospitalization	—	—
61st to 90th day	\$100	\$123
60-day lifetime reserve	\$200	\$246
21st to 100th day of post-hospital care in a skilled nursing home	\$ 50	\$61.50

There were no changes in Medicare Part B (which applies to medical expenses). □

*Paid by individual

APCo to sponsor Neighbor program

For the fourth consecutive year, Appalachian Power Company is sponsoring a Neighbor-to-Neighbor Program to assist needy people with the payment of their electric bills during the winter season.

Appalachian stockholders again will match customer and employee contributions up to \$75,000, with a maximum of \$37,500 each in Virginia and West Virginia. As in previous years, the disbursement of funds will be administered by the Virginia Department of Social Services and the West Virginia Department of Human Services, which also determines eligibility of the recipients.

John W. Vaughan, president of Appalachian, said "Winter presents bleak prospects for those in dire circumstances. Many who really need help, like the elderly, disabled, and medically impaired, turn to the Neighbor program. This is our way of providing a means for stockholders, customers, and employees to help.

Customers will be notified of the Neighbor-to-Neighbor Program through an insert in their electric bills, beginning this month. All contributions must be received no later than March 31, 1986.

Since the program was instituted in 1983, some 10,613 needy households throughout Appalachian's service area have received more than \$612,000 in energy assistance. Administrative costs were borne by Appalachian and the state service organizations. Deloitte Haskins & Sells, a certified public accounting firm, volunteered its services to audit the Neighbor-to-Neighbor Program at its completion. □

Pilot scrubber to be installed at Muskingum

The American Electric Power System and General Electric Environmental Services, Inc., Lebanon, Pa., have announced that they will cooperate in the demonstration of a novel, low-cost, medium-efficiency, dry flue-gas-desulfurization system for coal-fired power plants under a cost-sharing contract with the U. S. Department of Energy.

According to Dr. James J. Markowsky, assistant vice president-mechanical engineering of the AEP Service Corporation, the new process, conceived and designed by GE, is called in-duct scrubbing (IDS) and will be tested at a 50,000-cubic-foot-per minute pilot unit to be installed at the 585,000-kw Unit 5 at Ohio Power Company's Muskingum River Plant near Beverly, Ohio.

Construction of the pilot unit will start in mid 1986. It will be followed by a test program scheduled to be completed in early 1988.

The IDS project is one of the research projects selected under the Acid Rain Precursor Control Technology Initiative for the Department of Energy's flue gas-cleanup program. Objectives of the initiative include development of a scrubbing technology that can remove at least 50% of the sulfur dioxide generated by existing coal-fired power plants.

"If successful," Markowsky explained, "the flexibility of IDS systems will provide an attractive alternative for those power plants where economics and space limitations otherwise would prevent the retrofitting of conventional scrubbers. Depending on the pollution-control requirements, IDS could allow these power plants to continue burning high-sulfur coal economically."

Unlike conventional scrubbers, the IDS system is inherently more flexible in that it can be installed inside existing ductwork. This minimizes the need for additional space and permits rapid installation, thus enhancing the economics of SO₂ control for existing plants.

The IDS process uses a finely atomized lime slurry to remove sulfur dioxide by chemical reaction on contact with the flue gas. The lime slurry is introduced

into the ductwork by a high-speed rotary atomizer upstream of the existing particulate-collection device. The reaction products are instantaneously dried by the hot flue gases and removed by the particulate collector. Unlike the sludge produced by conventional wet scrubbers, the waste product is dry, making it more easily handled and disposed of.

The principal contract for the project is between GE and DOE. By terms of the agreement between GE and AEP/Ohio Power, the AEP Service Corporation will contribute engineering and project coordination services to GE. Ohio Power will contribute engineering and operating assistance, manpower and related services in support of the pilot testing program, in addition to providing access to Muskingum River Unit 5.

"We think the IDS project represents another positive step in helping to keep the air clean," Markowsky commented. "It is one of more than 70 research and development projects in which the AEP System is presently involved. All are concerned with efficient supply, delivery and utilization of clean electric energy." □

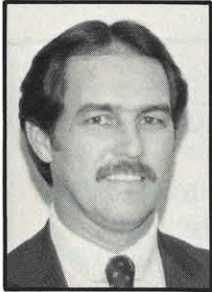
AEP annual report wins top award

American Electric Power Company's 1984 annual report has won the first-place award, a bronze plaque, as best in its category — public utility holding companies — in the annual competition sponsored by *Financial World* magazine.

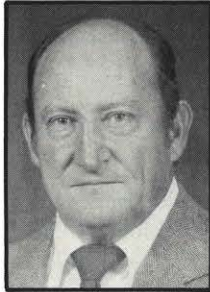
It was the 18th such award received by the AEP report in the 13 years it has been entered in the competition. Also, the AEP publication has garnered 12 silver awards — best for all utilities — and one gold award — best of all industry.

Earlier this year the 1984 report was honored by Reddy Communications, Inc., a competition restricted to electric utilities, for "best cover design." □

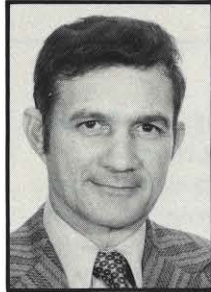
Fourteen employees publish in Operating Ideas



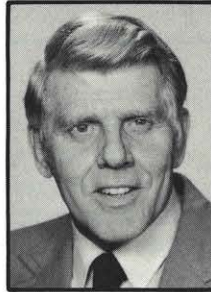
Burke



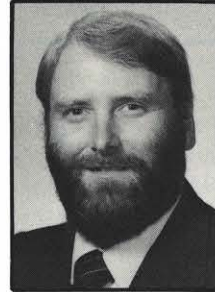
Munsey



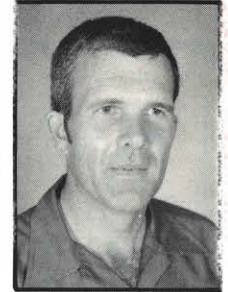
Ohlinger



Herndon



Schmidt



Musser

One Kingsport Power and thirteen Appalachian Power employees had their suggestions for improving performance and saving money published in the September/October issue of Operating Ideas.

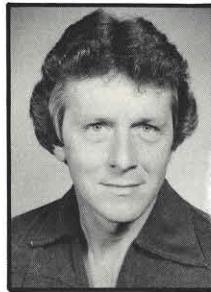
C. E. Burke, Kingsport general line crew supervisor, outlined a procedure for reinforcement of power installed screw anchor (PISA) wrenches. Even after years of usage, PISA wrenches with this reinforcement will not bow out.

The late **J. R. Trail**, former production superintendent, and **G. E. Munsey**, maintenance mechanic A at Clinch River Plant, described the fabrication of a hydrovactor jet to remove ash from clinker grinder sumps. This new method will save more than \$4,000 annually.

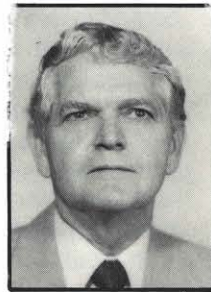
William Ohlinger, Philip Sporn Plant maintenance mechanic A, wrote about an HP rotor support fixture which reduces the need for a crane when removing and inspecting T-1 bearings. The estimated annual savings using this new approach is over \$800 in labor.

R. E. Herndon, performance supervising engineer at John Amos Plant, described the redesign of the BBC start-up overload scheme. Troubleshooting the system when a failure occurs has been simplified, and the need for ordering and storing highly specialized, expensive parts also has been reduced.

B. L. Schmidt, performance engineer at John Amos Plant, explained a system of cross referencing and organizing filters used on heavy equipment. The system significantly reduces manhours required



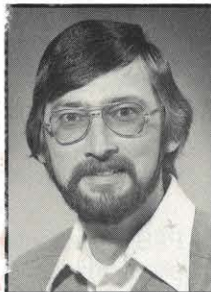
Wells



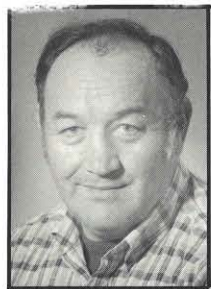
Whitehurst



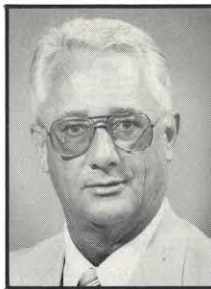
Sowers



Blevins



Osborne



Nichols

for locating filters, eliminates emergency orders, eliminates material losses due to excessive handling, and reduces the chances of using the wrong filter. Es-

imated savings per year is more than \$15,000.

J. W. Johnson, machinist 1st class at Central Machine Shop, described the fabrication of a high intensity light table for making outline prints of babbited bearings by using light-sensitive paper. This system eliminates the necessity for drawing sketches and permits the machinist to record dimensions on a full-size outline of the final bearing drawing. Annual savings are estimated at \$2,300.

H. G. Musser, Hillsville line crew supervisor, wrote about a better way to make street light connections, which will keep the wind from breaking the small wire in the assemblies.

T. E. Wells, Huntington station mechanic A, described the construction of an oil recloser maintenance storage cart. The cart provides a safe storage place and can be moved easily. It also reduces the potential for injury to the mechanic by eliminating the need to lift the reclosers onto a table.

J. R. Whitehurst, Pulaski division manager, and **P. L. Sowers**, Pulaski line superintendent, wrote about the installation of a chalkboard on the inside of compartment doors on line trucks. The board is readily available for on-the-job briefings.

D. W. Osborne, line mechanic C; and **J. D. Nickols**, line crew supervisor NE, all of Marion, collaborated on an article about an improved method of removing outrigger cribbing when it is stuck in soft ground. □

PFBC: An electric generating t

Burning high-sulfur coal in an efficient, economic manner while at the same time protecting the environment has proven to be a concern of major proportions for a large segment of the electric utility industry. As the nation's largest consumer of coal and a leading coal producer, the American Electric Power System is in the forefront of the effort to alleviate that concern. Much of the

By Dr. James J. Markowsky
Assistant Vice President
Mechanical Engineering
American Electric Power
Service Corporation



recoverable coal within the System is of the high-sulfur type.

At no time in AEP history have management, engineers, scientists, technicians and other staff members been more involved in a greater variety of research and development projects. All are concerned with the efficient supply, delivery and utilization of clean electric energy.

Among the most visible of these projects is pressurized fluidized bed combustion (PFBC). For the AEP System, which generates almost 90 percent of its electricity from coal, there is perhaps no project more important.

PFBC is an electric generating technology that is being developed to:

- burn high-sulfur coal effectively,
- meet stringent environmental standards and
- produce electricity at a lower cost.

PFBC's potential commercial application is as near as the 1990s.

It was in 1977 when AEP initiated the United States' first major PFBC research program. An agreement that year with ASEA STAL (formerly STAL-LAVAL) of Sweden led to an important collaborative effort that continues to this day with ASEA PFBC, a subdivision of ASEA STAL. Also working with American Electric Power and ASEA PFBC is Babcock & Wilcox Company of Barberton, Ohio. In fact, in October, ASEA and B&W formed a partnership to market, engineer and service utility PFBC installations in North America.

PFBC's advantages over present conventional coal-fired power

plants using flue-gas scrubbers include:

1. economic sulfur dioxide control,
2. low nitrogen oxide emissions,
3. fewer solid waste problems,
4. fuel flexibility,
5. modular construction,
6. flexible system planning,
7. higher generating efficiency and
8. lower capital costs.

Quite simply, PFBC represents a lower cost, more efficient generating system.

With PFBC, steam produced from the heat of coal combustion is used to drive a **steam** turbine. Then, the hot gases resulting from the combustion are cleaned and used to drive a **gas** turbine. Each turbine drives an electric generator.

This combined-cycle approach results in an increased generating efficiency of up to 10%. Because less coal is required, fuel costs are reduced.

Unlike present scrubber technology, PFBC removes sulfur **during** combustion of the coal — not after. PFBC also can utilize a wide range of coal types. Low-grade, lower-cost fuels, as well as high-sulfur coals, which may lead to operating problems in conventional plants, can be used effectively with the PFBC process.

Sulfur dioxide removal of more than 90% has been demonstrated by more than 5,000 hours of PFBC test operation in Sweden and England. It has been further demonstrated that PFBC produces less than half the nitrogen oxide of a conventional generating unit. This is also half the limit imposed

chnology whose time has come

by the U. S. Environmental Protection Agency.

The solid-waste product resulting from the PFBC process is approximately 15% less than that of a conventional plant with scrubbers. However, unlike the sludge produced by the scrubbers, the PFBC waste product is dry, making it more manageable and easier to dispose of and handle. This solid refuse is easily transported for use as fill and ultimately can be covered with topsoil and grass, in keeping with environmental regulations. It also has possible uses as an agricultural supplement, roadbed filler and cement additive.

Because of pressurized operation and better heat-transfer characteristics, PFBC components and plant facilities are considerably smaller than conventional units of equal generating capacity. This results in:

- savings in equipment and structural steel,
- shorter plant construction periods and
- reduced land requirements.

In addition, modular construction of PFBC generating plants will permit utilities to add smaller increments of capacity economically as needed. Controlled, modular expansion can be utilized to match load growth better and reduce financing requirements.

For nearly nine years, AEP has been actively involved in a development program to commercialize PFBC technology for electric power generation in the United States.

A key step toward such commercialization involves the construction of a demonstration plant.

Toward this end, the AEP Service Corporation is busily engaged in the detail engineering and design for a 70,000-kilowatt demonstration facility to be built at Ohio Power Company's deactivated Tidd Plant on the Ohio River at Brilliant, Ohio.

The decision actually to build and operate that facility will depend on support — financial and otherwise — from the government at the federal, state and local levels. That decision could come as early as mid-1986. Construction then could begin by 1987, with the plant commencing operation by the end of the decade. As a predecessor to the first full-scale commercial unit, Tidd would be operated as a smaller-scale PFBC combined-cycle demonstration plant.

The Tidd design has evolved from many years of development and extensive testing at overseas facilities utilizing high-sulfur coal and dolomite from both Ohio and In-

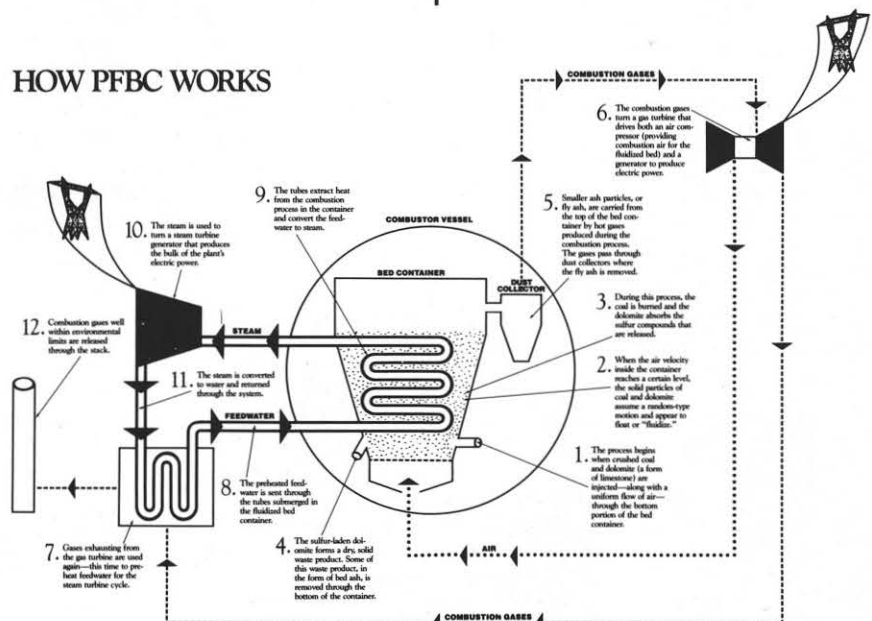
diana. Results of the tests have been highly encouraging and have served to prove the merits of PFBC technology.

For example, a test program sponsored by the U. S. Department of Energy at Great Britain's Coal Utilization Research Laboratory yielded essential data on the PFBC process and the life expectancy of PFBC components. Additional tests conducted by ASEA since 1983 at a component test facility in Sweden have further verified the reliability and integrity of operating equipment, including the performance of PFBC auxiliary systems.

Most importantly, these tests have provided essential information for design of the Tidd demonstration plant.

This demonstration at the Tidd Plant will ensure the operability, integrity and dependability of PFBC systems for future use by U. S. electric utilities. □

HOW PFBC WORKS



CHRISTMAS IN A COUNTRY HOUSE



You don't have to wait till Christmas to see Santa in Rupert, West Virginia. In the home of Billie and Satch Howard, handmade painted

Old World Santas are on display from August through the New Year, along with angels, Christmas geese, teddy bears, sheep, sleds, and miniature wooden villages.

For people like the Howards, who furnish their home with folk art, getting ready for Christmas is easy — so many of these objects make wonderful decorations. Unlike most people, however, the Howards create their own folk art.

Billie says, "The country items I saw in magazines were expensive, and I felt like I could make them myself if I could get them cut out." And that's where her husband Satch, Rupert area servicer,

comes in. He cuts out the pieces of wood with a jigsaw, sands them, and turns them over to Billie for painting. Their daughter Stephanie helps, too, when she's home to visit.

Billie says, "Stephanie took some art classes in college, and she is better at painting than I am. She's also more creative. We get most of our ideas for decorations by looking through all the country magazines, but some are original. These items are strictly primitive folk art, and they probably wouldn't appeal to people who like other styles."

The Howards' decorations are so beautiful that friends who saw them encouraged Billie to exhibit in a craft show. Billie recalls, "We went to a craft show at Alderson, WV, and people started wanting things. During the holiday season, people tend to decorate more. They get

carried away sometimes.

"I can't seem to make enough Old World Santas. They are the most popular item. Just about anything I make with teddy bears is a good seller, too. I have taken a lot of orders for the goose and grapevine wreaths, and people also seem to really like the little villages with snow.

Billie concludes, "I get a lot of pleasure from working with folk art. My daughter would like to open a shop, but I don't want to do that. I exhibit in about three craft shows a year, and I don't want to go any further. I just wouldn't like the pressure. In the summer, I don't even fool with these crafts. I'd rather be outside." □

Billie and Satch Howard display some of their folk art.



The Lerona Santa Claus



Eleven months out of the year, Don Barnes works as a transmission mechanic out of the GO T&D Transmission Section in Bluefield.

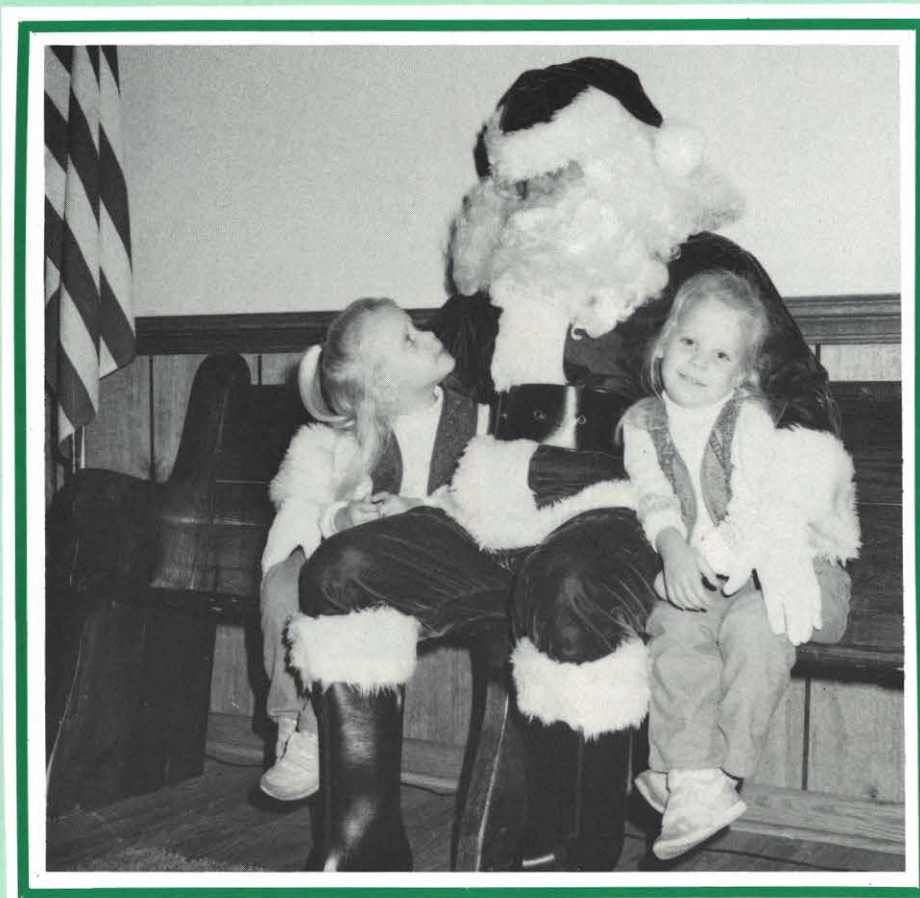
His job takes him to Virginia, West Virginia, Kentucky, and sometimes even to Ohio and Indiana. But every December Don trades his hard hat for a Santa Claus suit and entertains children and shut-ins in the little community of Lerona. He is, in fact, the official Lerona Santa Claus.

Don began portraying Santa Claus in 1971, when someone at his church asked him to fill in when the regular Santa couldn't make it for a scheduled engagement. Word began to spread, and soon Don was appearing at libraries, elementary schools, churches, parades, and the Ruritan Club's Kiddie Night.

"People are already calling to schedule appearances," Don says. "Many of these are scheduled during the day, so that is why I take vacation at this time of the year." When the Ruritan Club (which he will serve as president in 1986) has its mini-parade on Christmas Eve, Don will be in the back of a pickup truck, bellowing out Christmas greetings through a megaphone as the truck winds its way up and down the back roads. "Occasionally, when parents want to convince their children that there really is a Santa Claus, I will go to homes and put gifts under the tree while the parents and children hide."

Don does not charge for his Santa appearances because he believes you cannot put a price on Santa's love. "I do it because of the smiles and the laughter. I also want to create a good image of Santa, something that is lacking in most shopping centers where the paid Santas are impersonal and reluctant to enter into dialogues with children. I just want to make sure that everybody has a good time."

Don has worked out a system with parents so that Santa does not promise anything he can't deliver. "I talk to as many parents beforehand as I can and tell them to stand in front of me where I can see them. If the child asks for something that is already purchased and hidden, the parent will nod, and I will promise it. But, if not, I generally say that Santa has something else special for



Don "Santa" Barnes

them. Maybe ten percent of the kids ask for things that I pretty well know will be impossible for the parents to buy because they don't have the money." (According to Mrs. Santa, at times like these, Santa often reaches into his own pocket to make sure that the less fortunate children don't have empty stockings on Christmas morning.)

Don's benevolence touches not only the very young but also the very old. Each holiday season the Lerona Santa delivers fruit baskets to upwards of 75 elderly people. And visiting the elderly has provided Don with some of his most poignant Christmas memories.

He relates, "I have held some old folks in my arms who were so frail and confused that they barely realized it was Santa. But some, who have reverted back to their childhood, cry and tell me what they want for Christmas. They promise to be good and to go to bed early. At times like these, it's extremely difficult to keep my composure."

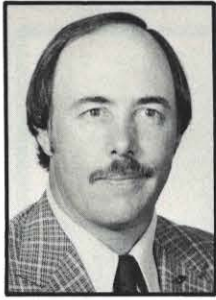
He continues, "A couple of years ago I

heard about an 80-year-old black lady who had told folks that she wanted to touch Santa one time before she died. She said that she was poor when she was growing up and was never allowed to touch Santa because the Santas were always white. I made it a point to visit her and take her a fruit basket. The lady was very frail and had a walker; but, when Santa came into the room, her eyes lit up like she was a small child again. She asked Santa if she could touch his beard and kiss his nose. Santa said sure, and then Santa told her how pretty she was and how much he loved her. The tears came streaming down her face and Santa's face, too. The lady sent word to her church that Sunday that this was the best Christmas she ever had."

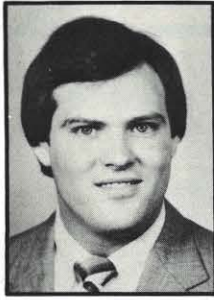
Don adds, "I went to work on Monday; and, by the time I got home on Thursday evening, she had died and had been buried. But she died believing in Santa Claus, and I know that made her happy."

For the Lerona Santa Claus, that's what Christmas is all about. □

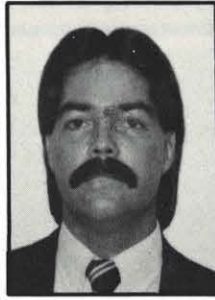
Promotions



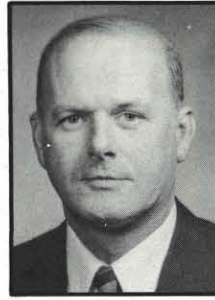
Dillard



Glenn



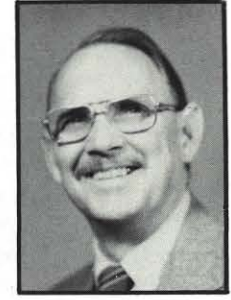
Knight



Craddock



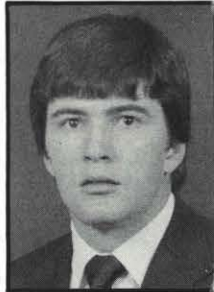
Weddle



Spivey



Herndon



Campbell



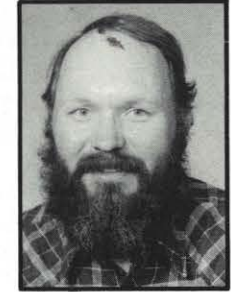
Talley



Brooks



Dodd



Stull

Marvin L. Dillard, Charleston service supervisor, was promoted to Lynchburg general line crew supervisor on November 1.

Rob Glenn, Jr., power engineer, was promoted to Roanoke energy services supervisor on November 1. He holds a bachelor of science degree in electrical engineering from North Carolina State University.

Terry L. Knight, T&D clerk A, was promoted to Lynchburg records supervisor on December 1.

Samuel F. Craddock, production superintendent, was promoted to production coordinator in Central Machine Shop's newly created planning and scheduling department on October 1. He attended West Virginia Institute of Technology, Marshall University, and the American Electric Power System Management Program at Ohio State University College of Administrative Science.

Joe L. Weddle, marketing and customer services supervisor, was promoted to assistant transmission and distribution superintendent for Pulaski Division on December 1. He will become division superintendent on April 1, upon the retirement of Robert Love. Weddle holds a bachelor of science degree in electrical engineering from Virginia Polytechnic Institute and State University

and is a registered professional engineer in the Commonwealth of Virginia.

Dave Spivey, engineering technologist, was promoted to Pulaski garage supervisor on December 1. He is a graduate of McLains Business College and holds an associate in applied science degree in electrical engineering technology from New River Community College.

Robert E. Herndon, performance supervising engineer, was promoted to production superintendent-maintenance at John Amos Plant on November 1. He studied electronic engineering through International Correspondence Schools and electrical engineering through American Schools.

Stanley D. Campbell, equipment operator A, was promoted to unit supervisor at Clinch River Plant on November 1. He attended Southwest Virginia Community College.

Charles V. Talley, Marion area supervisor, is being promoted to Pulaski Division line superintendent, effective January 1, 1986. He will succeed Paul L. Sowers, who is retiring on February 1. Talley holds a bachelor of science degree in electrical engineering from Virginia Polytechnic Institute and State University and is a registered professional engineer in the Commonwealth of Virginia.

David R. Brooks, line crew supervisor nonexempt, was promoted to line crew supervisor exempt in Roanoke on November 1.

Charlie E. Stull, line mechanic A, was promoted to line crew supervisor nonexempt in Roanoke on November 9.

H. Wayne Dodd, general servicer, was promoted to line crew supervisor nonexempt in Roanoke on November 9.

Bluefield

Dwight Palmer from line mechanic A to general servicer, Princeton.

Howard Mullens from line mechanic C to line mechanic B, Tazewell.

Bill Wade from line mechanic B to line mechanic A, Welch.

Gib Walker from station mechanic D to station mechanic C, Bluefield.

Clinch River

Larry Cantrell from utility worker B to utility worker A.

Willard Parker from utility worker B to utility worker A.

Ricky Holmes from equipment operator B to equipment operator A.

Jeffery Dotson from equipment operator C to equipment operator B.

Stephen Rasnake from utility worker A to equipment operator C.

J. D. Fields from maintenance mechanic D to maintenance mechanic C.

Princeton rates excellent on audit

General Office

David Akers from engineer B to engineering technologist, GO T&D Communications, Abingdon.

Towanda Penn from customer accounting clerk C to customer accounting clerk B, GO Accounting, Roanoke.

Wanda Norcross from load research data processor B to load research data processor A, GO Rates, Tariffs and Contracts, Roanoke.

Glen Lyn

Robert Gautier from utility worker B to utility worker A.

Richard Wall from utility worker B to utility worker A.

Ronnie DeHart from utility worker B to utility worker A.

Daniel Nester from utility worker B to utility worker A.

Homer Forren from equipment operator C to equipment operator B.

Jerry Worrell from utility worker A to equipment operator C.

Mountaineer

Brenda Kent from stores clerk B to stores clerk A.

Diana King from plant clerk C to plant clerk B.

Roanoke

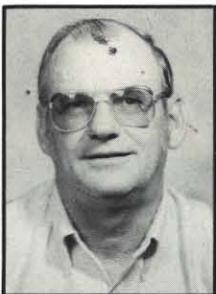
Chester Butler from line mechanic C to line mechanic B, Fieldale.

Frank Stone from line mechanic B to line mechanic A, Fieldale. □

Jones' article in Electrical World

An article by Ralph S. Jones, Pulaski line crew supervisor, was published in the October issue of *Electrical World*.

Jones describes how T&D employees in Pulaski Division use telescoping hot sticks to remove vines from lines, poles, or guys. A similar article was published in the May/June issue of *Operating Ideas*. □



Princeton customer accounts employees who attended the recognition dinner include: seated, l. to r., Sherry Barker, Thelma Hairston, Gail Shaffer, Debbie Lester, and Sherri Shrewbury. Standing, Gregg Beckett, Mark Lineberry, Mary Lou Rice, Mike Reed, Jack Crotty, Carlos Manning, Jackie Houston, Sam Conner, Tim Howard, and Jack Miller.

The Princeton office in Bluefield Division received an excellent rating on an audit of its operations from April 1, 1981, through April 30, 1985. Ratings given are excellent, good, acceptable, and unsatisfactory, and this is the first time in twelve years that any office in the AEP System has received the highest mark. Appalachian's office at St. Albans in Charleston Division received an excellent rating in the early 1970s.

The audit by AEP Service Corporation personnel covers such items as cash in drawer, working funds — petty cash, confirmation of expense accounts, veri-

fication of accounts receivable, delinquent accounts and collection procedures, investigative forms and procedures, service orders, and employee discounts.

In recognition of their superior performance, Princeton customer accounts employees and their spouses were treated to a dinner in late October. Bluefield Division Manager T. A. Rotenberry states, "I am very pleased with the performance of this particular group of employees. An excellent rating should be established as the standard for all accounting offices in the Bluefield Division." □

Pulaskians receive safety awards



Pulaski Division employees have been recognized for working one year without a disabling injury. The men were awarded APCo caps, and the women received APCo tote bags. Pictured above are, l. to r., Jerry Whitehurst, division manager; Wayne Hurt, personnel supervisor; Brenda Cregger, stenographer; and Dave Spivey, garage supervisor. Employees reached another safety milestone on October 11, when they completed 500,000 safe workhours.

Retirements



"I have been working for 42½ years, and I'm looking forward to not having to get up in the morning and go to the office," says Lynchburg Records Supervisor **Jane Plunkett**, who elected early retirement on December 1. "I have a long list of things to do, and top on the list is travel. This past summer I went to Europe, and now I'm thinking very seriously about a Caribbean cruise. There are a lot of things I want to do in the needlework line, such as learning to quilt and smock. I also want to take a class in matting and framing pictures and do some land-

scaping around my swimming pool. I really don't plan to do anything constructive for a year, but after that I would like to do some volunteer work at the hospital. I also want to get active again in the DAR." Jane concludes, "What I am most proud of is the fact that I was the first female supervisor in Lynchburg Division and the first female records supervisor in Appalachian." □



Carl Buck, St. Albans area servicer, had an enviable record of 39 years without a disabling injury when he elected early retirement on December 1. "I've had a lot of fun and enjoyed working with the men," he says, "but now I'm ready to start a new episode in my life. I was 62 last month, and I just decided that if others who took early retirement could make it, so could I. My wife Lina Mae and I don't have a lot of plans; we'll just take things day by day. We enjoy traveling and have thought about trying to take up residence around Myrtle Beach, but

that's just wishful thinking at the present time. We have four children and five grandchildren, whose ages range from 16 down to 7. We'll keep busy with them since they live nearby. Another thing I will spend a lot of time on is the visitation program at my church." Carl served with the U.S. Army in the South Pacific during World War II and was on Okinawa during the big battle. He also spent some occupational time in Korea. □



"When I came to work at Cabin Creek Plant in 1943, I was looking for a better job than what I had and a chance to move up," relates **Earl Ferrell**. Appalachian provided those opportunities and, by the time Earl retired on December 1, he had risen to shift operating engineer at Clinch River Plant. "They were putting the first unit at Clinch on line when I transferred here in 1957," he recalls. "It has been a nice place to work, and there was a good group of men to work with." He adds, "We are an Appalachian family. My father, Harry Ferrell; father-in-law,

George Ellis; and brother-in-law, O'Dell Ellis, all retired from Cabin Creek. One of my sons, Bob Ferrell, is a regional dispatcher in Abingdon." Earl continues, "My wife Opal and I are looking forward to retirement. We like to travel and fish, among other things. I sorta like photography, too, and I'm a crossword puzzle fan." Earl is proud that he worked more than 42 years without an accident. □

Who's News

General Office

Tom Philpott, building supervisor, has been appointed by town council to serve on the Transportation Safety Commission for the Town of Vinton.

Terry, son of the late Joe Plunk, former manager hydro generation, is the recipient of the W. J. Hubbard Memorial Scholastic Scholarship, which was presented at the 178th annual convocation of the Grand Chapter of Royal Arch Masons of Virginia. The \$1,000 scholarship is given annually to the Virginia Military Institute cadet fourth class with the highest academic record. Terry's grade point average was 3.986. □



Kingsport

John A. Randall, customer services representative senior, has been elected to a two-year term on the board of directors of the Kingsport Home Builders Association. He also was elected an alternate associate state director of the Tennessee Home Builders Association for 1986.

Edward, Jr., son of Eddie Jones, Sr., retired station mechanic B, has graduated from Central Virginia Training Center. □

Philip Sporn



Nancy, daughter of K. O. Rollins, yard superintendent, was selected as senior attendant to the homecoming queen at Wahama High School.

Everett McDaniel, maintenance mechanic A, was awarded a 35 mm camera for winning fourth place in a photo contest sponsored by the American Dairy Association. □

Bluefield Station wins softball touerney



Station squeaked by Customer Services 6 to 5 to win the fourth annual Bluefield Division summer softball tournament. The double elimination tournament was held at Bluefield City Park on September 7, with seven teams from throughout the division participating. The Station Department, which has won the tournament for three consecutive years, was awarded the winner's trophy for permanent possession. Normally, the trophy is passed on to the winning team each year. Mike Clayton was selected as the most valuable player, compiling a .769 batting average for the tournament. Members of the winning team are, front row, l. to r., Tony Rasi, T&D clerk A; James Payne, custodian; Lewis Crouch, station mechanic B; Dave Dodson, GO communications specialist; and Todd Marlowe, GO communications specialist. Second row, Floyd Wilson, station mechanic A; Mike Clayton, station crew supervisor; Robbie Clayton, son of Mike Clayton; Bill Ball, GO communications specialist; and Mark Blankenship, station mechanic D. Back row, Mark Hartley, station mechanic D; Jerry Blessing, station mechanic B; and Gib Walker, station mechanic C. Team members not pictured are Herman St. Clair, station superintendent, and Johnny Odham, line mechanic C.

Beckley

Scott, son of Division Manager Bob Kilgore, has been admitted to the Virginia Bar. He is a 1985 graduate of the University of Virginia Law School.

Vera Shaver, parttime custodian in Rainelle, has been elected president of the East Rainelle Grade School PTA.



Cindy, daughter of Paula Goddard, clerk A, received two blue ribbons for her sewing and cooking projects which were displayed at the West Virginia State Fair. She is a member

of the Sunset Mountaineer 4-H Club.

James, son of Jim Elswick, line and station superintendent, and **Mike**, son of Ray Vest, administrative assistant, were members of the Shady Spring High School golf team which finished fourth in the state high school golf tournament.

Dale, son of Judy Smith, custodian, played the role of Scarecrow in the play, The Wizard of Oz, which was presented by the Thespians at Woodrow Wilson High School.

Ray Vest, administrative assistant, was one of fifteen members of the 1959 West Virginia Tech football team who were honored during halftime at the Tech-Salem College game on September 28. The '59 team is tied for second place among all Tech teams with a win-loss record of 8-1. □

Abingdon

R. D. Carson, Jr., division manager, and J. C. Hughes, marketing and customer services manager, were elected president and vice president-economic development, respectively, of the Washington County Chamber of Commerce for 1986.

Mary Lou, wife of L. C. Angle, Jr., retired power engineer, has been reelected to a third term on the board of the Southwest Virginia Emergency Medical Services Council, Inc. She also will serve as treasurer of the organization. Mary Lou, who is director of nursing at Johnston Memorial Hospital, represents the Virginia Nurses Association, District I.

Robert Heil, personnel supervisor, is chairman of the commercial division for the Washington County United Way campaign for 1985-86.

Mary Seneker, electrical engineer, has been elected chairman of the I. E. E. E. Tri-Cities Power Chapter for 1985-86.

Kevin Stoots and Jill Croft, placed third and tenth, respectively, in the 13th annual Southwest District cross country championships and were named to the All Southwest District Team. Kevin is the son of Marion Meter Reader G. R. Stoots. Jill is the daughter of Customer Accounts Supervisor M. L. Croft. □

Kanawha River



Robin, daughter of Beverly Wright, equipment operator B, was voted Miss Cabin Creek Colt for 1985. She is head cheerleader for the Midget Football League and was named second runner-up to the most beautiful cheerleader at the Belle Cheerleading Festival. □

Abingdon retiree luncheon



Forty-five retirees and guests attended the annual Abingdon Division retiree luncheon, held October 17 at the Greenway Haven Party House.

Bluefield

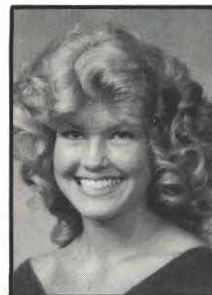
Tammy, daughter of Doug McClanahan, station mechanic A, was a member of the girls' eighth grade basketball team which won the Tazewell County championship. She attends Graham Middle School, Bluefield, Virginia.

Robert Farley, Princeton area supervisor, has been appointed to a three-year term on the Mercer County Junior Achievement Advisory Council.

New officers of the Bluefield Employees Benevolent Association for 1986 are: chairman, Dixon Jones, engineering technologist; secretary, Teresa Belcher, GO T&D Transmission junior stenographer; treasurer, Sherif Serry, GO T&D Transmission engineer senior; board members, Ben Donevant, personnel supervisor; Eulalia Footo, T&D clerk A; Nell Nunnery, secretary-stenographer A; and Doug Roach, meter superintendent. □

Mountaineer

Kelly Manley, daughter of Steve Atkinson, maintenance mechanic B, was a candidate for homecoming queen at Liberty University. A social science and psychology major, she is on the dean's list and a resident assistant. Kelly was



one of eight students selected from the student body of 7,000 to give her personal testimony on television. □

Charleston

Jack Shaver, administrative assistant, was elected a board member of the Advertising Club of Charleston. □

Roanoke

R. D. Webster, division manager, has been reelected to a three-year term on the board of directors of Roanoke Valley Industries. □

Wed 50 years



Lloyd and Aileen Miller celebrated their fiftieth wedding anniversary with a reception given by their children on October 20. Lloyd is a retired Lynchburg customer services supervisor. The Millers have three children, six grandchildren, and one great-grandchild.

Achievers make Christmas ornaments



Charleston Division Manager Cal Carlini presents the Junior Achievement charter to members of APCO (Amazing Persons' Creative Organization), the JA company sponsored by Appalachian. APCO's first products this year are Christmas tree ornaments. Serving as JA advisors are, l. to r., Mo Ahangardezfooli, Andy Shaffron, and Don Nichols, electrical engineers.

Trail Blazers win bowling tourney

Fifteen teams from Abingdon, Amos Plant, Bluefield, Pulaski, Welch, and Roanoke competed in the Bluefield Invitational Mixed Bowling Tournament on September 28 at Bluefield's Mountaineer Lanes. The tournament was organized by Bill Fisher, engineering technician senior, and Clyde Welch, records supervisor.

The Trail Blazers team from Roanoke rolled 3,088 pins to capture the first prize of \$150. Team members were Randy Minnix, GO Accounting; Tommy Anderson, Roanoke Garage; Randy Kessler, GO T&D Station; Don Powell, Roanoke T&D; and Jim Reynolds, GO T&D Station.

The A team, also from Roanoke, took the second place prize of \$75 with 2,998 total pins. Team members included Anita, wife of Randy Minnix, GO Accounting; Doris Smith, GO Accounting; Judy, wife of Tommy Anderson, Roanoke Garage; Jeanie, wife of Ernie Perdue, GO T&D Station; and Ann Arrington.

A team from the Bluefield office won the \$35 third prize. Door prizes of a bowling ball and \$9.25 were awarded to Pat White of Bluefield and V. T. Carr of Abingdon, respectively. □

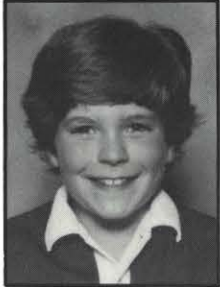
Pulaskians show Halloween spirit



Customers visiting the Pulaski office on Halloween were in for a real "treat." In the spirit of the occasion, employees came to work that day dressed in costumes ranging from Raggedy Andy and Mr. T. to witches and gorillas. Pictured above are, l. to r., Lisa Brown, customer accounts representative C; Debbie Grubb, customer accounts representative B; Barbara Marshall, T&D clerk A; Brenda Cregger, stenographer; Pam Hayes, customer accounts representative B; Beverly Reynolds, secretary-stenographer B; Shirley Moon, customer accounts representative B; Juanita Dunagan, T&D clerk C; and Jeanette Frazier, customer accounts representative A.

Centralized Plant Maintenance

Will, son of Fred Gaul, Jr., field clerk C, played catcher for Hockenberry Pharmacy in the Mason County Little Men's League Jack Rogers League. The team won first place in its division and won the playoff in two consecutive games by the ten-run rule. □



Pulaski



Pat, wife of Dan Tickle, Hillsville area supervisor, was the 1985 handicap champion in the Ladies Golf Association at Blue Ridge Country Club. She also was recognized as the most improved golfer.

Haven and Frances Lawson celebrated their fiftieth wedding anniversary on October 26. He is a Radford Army Ammunition Steam Plant retiree.

Carolyn, wife of Nelson Quesenberry, line construction and maintenance representative, has been elected an elder in the Dublin Presbyterian Church. □

United Way honors Charleston employees



Greg Hanshaw (l.), Charleston line mechanic C, and Robbie Seacrist, line mechanic D, accept an award of recognition on behalf of Appalachian employees from Jim Crews, chairman of the 1985 United Way of Kanawha Valley fund raising campaign. The award is for outstanding community leadership and volunteer support of human care services of the United Way. The award was presented at the mid-campaign report luncheon recognizing organized labor and the Pacesetter campaign. Appalachian is a Pacesetter company in this year's campaign.

Friends We'll Miss—

Norman S. Searls, 87, retired laborer at Cabin Creek Plant, died October 16. A native of Hurricane, West Virginia, he began his career in 1943 and retired on October 1, 1963. Searls is survived by three daughters, seventeen grandchildren, thirty-seven great-grandchildren, and three great-great-grandchildren.

James Marion Fox, 82, retired Bluefield photo and reproduction man, died November 4. A native of Pleasant Hill, Virginia, he joined Appalachian in 1926 as an appliance serviceman. After a period of broken service, he was re-employed in 1935 and worked until taking disability retirement in 1955. Fox is survived by one son and one daughter.

Edward Smith, 80, retired assistant secretary and assistant treasurer of Appalachian Power Company, died October 13. Smith, who took early retirement in 1969, had worked for the AEP Service Corporation for 45 years in stock records and cash disbursement. At the time of his retirement, he was assistant treasurer of both American Electric Power Company and the AEP Service Corporation. □

Weddings



Combs-Shrewsbury



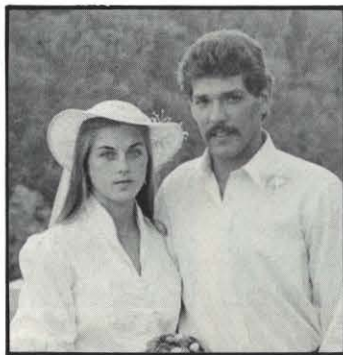
Ferrell-Hamrick



King-Chapman



Allen-Harrington



Finney-Vedder



Hancock-Stout

Darra Raye Shrewsbury to **Anthony Combs**, Beckley engineering technician, October 19.

Joan Hamrick to **Dennis Ferrell**, Kanawha River Plant performance engineer, October 12.

Suzane Christine Chapman to **Doug King**, department assistant-marketing and customer services, September 28.

Susan Harrington to **John F. Allen**, September 7. John is the son of Elsie I. Allen, Kanawha River Plant stores clerk A.

Vicki Lynn Vedder to **Barry Dale Finney**, October 26. Barry is the son of Lenwood

Finney, engineering technologist supervisor, GO T&D Civil Engineering, Roanoke. The wedding took place at Smith Mountain Dam and is the first ceremony ever to be held at the site.

Beth Stout to **Phil Hancock**, forms and office supply clerk, GO General Services, Roanoke, September 7.

Kathleen Alice Rader to **David Kessler**, Charleston engineering technician, September 28.

Brenda Hamm, Mountaineer Plant stores clerk A, to **Richard Kent**, Mountaineer Plant control technician senior, November 2. □

Births

Abingdon

Emily Beth, daughter of **C. S. Dillow**, line mechanic C, October 14.

John Amos

Genevieve Marie, daughter of **Michael McCutcheon**, performance engineer, October 17.

Beckley

Dennis Lynn, Jr., son of **Dennis Snider**, meter reader, October 19.

Central Machine Shop

Anthony James, son of **Jackie Cobb**, NDE inspector 1st class, November 5.

Centralized Plant Maintenance

Kristie Marie, daughter of **Larry Davison**, maintenance mechanic B, October 24.

Charleston

Adam Joseph, son of **Jack Shamblin**, meter electrician C, October 1.

Joshua Glen, son of **Glen Sizemore**, Montgomery meter reader, October 19.

Cameron Jackson, son of **Clarence Bailey**, St. Albans line mechanic C, October 23.

General Office

Robert Warren, son of **Blaine Hypes**, transmission mechanic D, GO T&D Transmission, Bluefield, October 12.

Kathryn Marie, daughter of **Danny Sink**, classification and accounts payable clerk A, GO Accounting, Roanoke, September 24.

Glen Lyn

Brittany Paige, daughter of **Ricky Miller**, maintenance mechanic C, October 22.

Jonathan Lee, son of **Marshall Dunn**, equipment operator B, October 22.

Huntington

Heather Arlene, daughter of **Willie O. Tate, Jr.**, head custodian, October 29.

Mountaineer

Darian Scott, son of **Carl Horn**, assistant yard superintendent, September 24.

Andrea Nicolle, daughter of **Jim Tate**, maintenance mechanic A, September 12.

Cristina Sue, daughter of **Nelson Moorhead**, performance engineer, senior, September 16.

Pulaski

Jessica Leigh, daughter of **Mike Poore**, T&D clerk B, October 26.

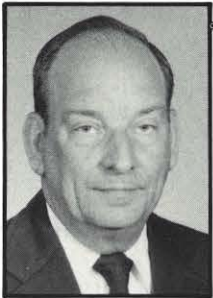
Philip Sporn

Casey Ray, son of **John Taylor**, maintenance mechanic B, October 15.

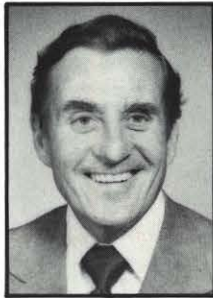
Ryan Patrick, son of **Ricky Stobart**, equipment operator A, October 25.

Amber Dawn, daughter of **Rita Pullen**, unit supervisor, October 28. □

Service Anniversaries



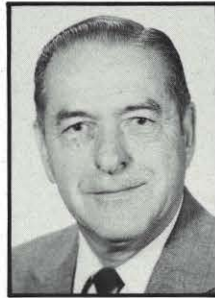
Joe Wilson, Jr.
land mgt. supervisor
GO-Roanoke
40 years



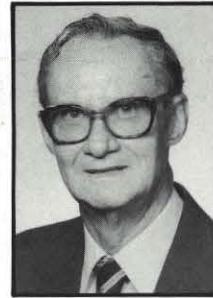
Ed Yeager
station supt.
Huntington
40 years



Mary Lou Wilcox
cust. accts. rep. B
Huntington
40 years



Eugene Dahmer
meter electrician A
Charleston
40 years



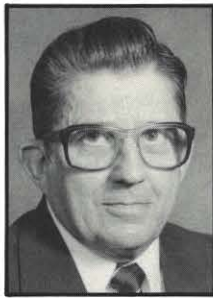
Lovell McDonald
maint. supervisor
John Amos
40 years



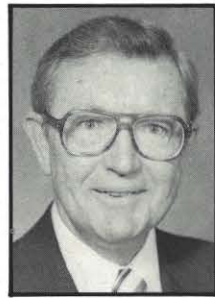
William Fry
maint. mechanic B,
Philip Sporn
35 years



Eldivia Gullian
T&D clerk A
Charleston
35 years



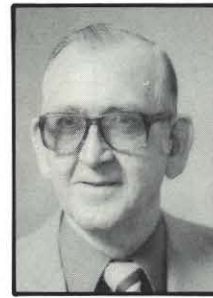
Edsel Johnson
operations manager
GO-Roanoke
35 years



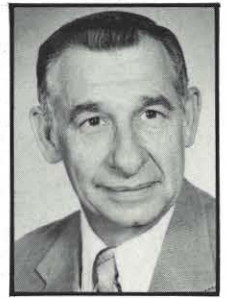
Bill Wood, Jr.
relay engineer sr.
GO-Roanoke
35 years



Diana Bohon
T&D clerk A
Roanoke
35 years



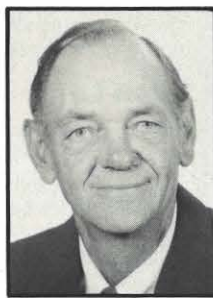
Harold Parks
area T&D clerk A
Lebanon
35 years



Bill Knapp
regional dispatcher
GO-Huntington
35 years



Billy Lemar
line crew supv. NE
Lynchburg
30 years



Tom Craft
equipment serv. rep.
Charleston
30 years



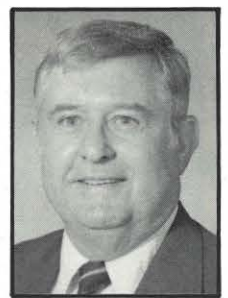
Charlie Miller
meter reader
Pt. Pleasant
30 years



Helen West
personnel assistant
Roanoke
30 years



Jennings Begley
line crew supv. E
Oak Hill
30 years



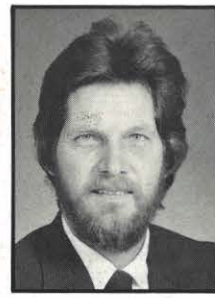
Bill Sheaff
meter electrician A
GO-Roanoke
30 years



Cecil Dickason
meter reader
Bluefield
25 years



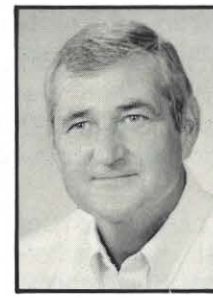
Ralph Johnson
cust. accts. servicer
Lynchburg
25 years



Richard Long
line mechanic A
Kingsport
20 years



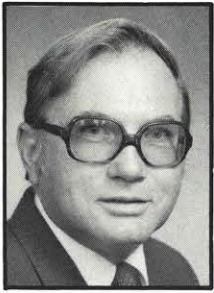
Don Hartgrove
meter electrician A
Kingsport
20 years



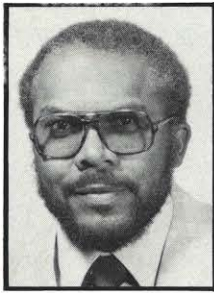
Ronald Bellamy
line crew supv. NE
Gate City
20 years



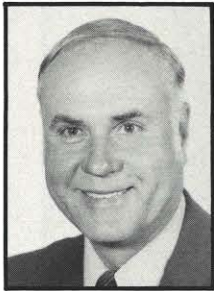
Landon Vance
maintenance mech. A
Clinch River
20 years



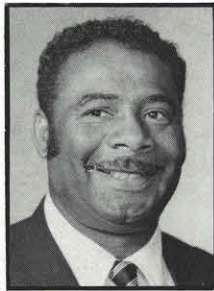
Sam Conner
meter reader
Princeton
20 years



John Nowlin
line mechanic A
Christiansburg
20 years



Bob Adkins
line mechanic A
Charleston
20 years



Charles Whorley
line crew supv. NE
Roanoke
20 years

John Amos

15 years: **James Hackett**, instrument maintenance supervisor. **Charles Humphrey**, instrument maintenance supervisor. **Earnest Taylor**, maintenance mechanic A. **Anna Bauknecht**, plant clerk B. **Clarence Jones**, harbor boat operator. 10 years: **Robert Smith**, maintenance mechanic B.

Beckley

10 years: **Gary McClung**, meter electrician B. **Ron Cruise**, meter reader, Rainelle.

Bluefield

5 years: **Steve Hamm**, engineering technologist. **Dickie Sheldon**, line mechanic B, Welch.

Central Machine Shop

15 years: **Frank Williams**, production supervisor. 10 years: **Greg Morris**, welder 1st class. **Ronnie Hull**, welder 1st class. **Dale Hite**, winder 1st class.

Centralized Plant Maintenance

10 years: **H. W. Pickens**, maintenance mechanic B.

Charleston

5 years: **Ronnie Meadows**, line mechanic C. **Peter McGinnis**, line mechanic C, St. Albans. **Leonard Casdorff**, line mechanic C, Montgomery.

General Office

40 years: **Helen Overstreet**, electric plant clerk A, GO Accounting, Roanoke. 25 years: **Nelson Lam**, classification supervisor, GO Accounting, Roanoke.

15 years: **Larry Haston**, classification and accounts payable clerk A, GO Accounting, Roanoke. **Bill Brewer**, senior reproduction machine operator, GO General Services, Roanoke. 5 years: **Tom Bailey**, systems analyst, GO Accounting, Roanoke. **Joe Jones**, marketing and customer services assistant, GO Marketing & Customer Services, Roanoke. **Charles Hubble**, engineering technician senior, GO T&D Communications, Abingdon. **Joseph Pielocik**, engineering technician senior, GO T&D Meter, Roanoke. **Ron Caldwell**, material expeditor stock controller, GO Purchasing, Roanoke. **John Newcomb**, computer graphics technician B, GO T&D Computerized Drafting, Roanoke. **George Holland**, engineering technician senior, GO T&D Communications, Roanoke.

Glen Lyn

10 years: **Larry Bowers**, instrument mechanic B.

Huntington

15 years: **Claude Gilkerson**, line mechanic A. 5 years: **Jon Atchley**, marketing and customer services representative.

Kanawha River

15 years: **Michael Siemiaczko, Jr.**, assistant plant manager. 5 years: **Edwin Shelton**, maintenance engineer.

Logan-Williamson

10 years: **G. H. Maynard**, general servicer, Williamson. 5 years: **Sheila Roberts**, meter reader, Logan.

Mountaineer

15 years: **Bob McDaniel**, maintenance superintendent. 5 years: **Susan Trent**, equipment operator B.

Pulaski

5 years: **Terry Owens, Jr.**, meter reader, Pearisburg.

Roanoke

15 years: **Joann Nichols**, area T&D clerk C, Rocky Mount. 5 years: **Ralph Hite**, line construction and maintenance representative.

Philip Sporn

5 years: **Norma Ragland**, guard. **Dennis Cundiff**, maintenance mechanic C. **Gary Richards**, maintenance mechanic C. **June Baker**, plant clerk C. **John Nelson**, maintenance mechanic C. **Vince Mossman**, equipment operator B. □

Newcomers

Beckley

William Amar, tracer. **Bill Lewis**, junior clerk.

Bluefield

Rick Nowlin, surveyor assistant.

Central Machine Shop

Deloris Williams, junior clerk.

General Office

Philip Ross, forestry technician, GO T&D Forestry, Charleston. **Rick Mowbray**, forestry technician, GO T&D Forestry, Bluefield. **Gregory Holland**, meter reading supervisor, GO Marketing and Customer Services, Roanoke. **Michael Seaton**, engineering technician, GO T&D Meter, Charleston. **Stephen Thrasher**, safety assistant, GO Personnel, Roanoke. **Catherine Russell**, junior stenographer, GO Purchasing, Roanoke. **Robert Blackburn, Jr.**, transmission mechanic D, GO T&D Transmission, Bluefield. **Donald Overstreet**, office messenger, GO General Services, Roanoke. **Marcia Wells**, junior clerk, GO Accounting, Roanoke. **John McQuail**, personnel assistant, GO Personnel, Roanoke. **Sherri Wood**, junior clerk, GO Accounting, Roanoke. **Brian Lusk**, engineering technician, GO Hydro, Roanoke.

Huntington

Joe Keith, Jr., custodian. **Jeffrey Barlow**, department assistant-customer accounts. **Debbie**

Carhart, stenographer, AEP Lab. **Dave Conover**, associate chemist, AEP Lab. **Ellery Queen**, technician IV, AEP Lab.

Kanawha River

Juliette Montauk, utility worker B. **James Siders**, utility worker B.

Logan-Williamson

Paul Kincaid, meter reader, Williamson.

Mountaineer

Paul Schindler, personnel trainee. **Tom Lum**, education performance engineer.

Pulaski

Mary Ann Capp, department assistant-marketing and customer services, Christiansburg.

Roanoke

Sandra Moye, parttime junior clerk. **Faye Thacker**, junior clerk.

Philip Sporn

Ivaunna Lidel, chemist assistant. □

Mountaineers adopt needy families



Hot dog sales throughout the year raised \$850 to be used by Mountaineer Plant employees to adopt two needy families this Christmas.



What promised to be a bleak Christmas last year for a needy family in Mason County, West Virginia, turned out to be a merry one instead, thanks to the generosity of employees at Mountaineer Plant.

Debby Tygrett, plant clerk, contacted the West Virginia Department of Human Services for the name of a family to "adopt;" and, about five weeks before Christmas, employees set about raising money. Since the family consisted of six children and two adults, it was quite an undertaking, according to Plant Clerk Brenda Blackston, who served as treasurer.

Each Friday the girls at the plant prepared and sold lunches of hot dogs, beans and cornbread, or sloppy joes. The \$779 profit from the lunch sales was used to buy clothes and other gifts for the children. Employees also donated canned and paper goods, toys, blankets, towels, used clothing, and other items. The value of all that the needy family received was well over \$1,000.

The Friday before Christmas, Personnel Clerk Donna Morris and Custodian Maxine Leary packed up the

presents and delivered them to the family. There was a Christmas tree with homemade ornaments, but nothing underneath.

Maxine recalls, "It was very rewarding to know that we made a family have a very happy Christmas. They seemed to really appreciate everything. As we put the gifts under the tree, each and every child's eyes and face lit up like a Christmas tree. It left me with a very special feeling that I had never experienced and will never forget."

Donna states, "I was overwhelmed with happiness to see those children's faces light up because I knew our project made their Christmas. The joy and appreciation I received from them made my whole Christmas."

This holiday season, Mountaineer employees will be sponsoring two needy families, one in Jackson County, West Virginia, and one in Meigs County, Ohio. Since Mountaineer employees live in several different counties, they want to share their gifts in each area. The master chefs at Mountaineer Plant began hot dog sales early in the year, and by November 8 had raised \$850 toward their project. □

Gifts With The Personal Touch



Pam Otworth displays some of her personalized gifts and decorations.

Pam Otworth, Huntington T&D clerk C, nurtures the holiday spirit all year long as she handcrafts beautiful personalized Christmas gifts and decorations for family and friends:

"I have been interested in crafts ever since I was a child and made clothes for my dolls," she says. "The first Christmas I was married, I needed some tree ornaments and decided to make my own. I started out with a kit to make a counted cross stitch angel. Each year I try to make at least one decoration whether it be for the tree or for someplace else in the house. If I buy ornaments, I try to buy those that look handmade since I prefer the country look."

Over the past three or four years, Pam has taught herself how to do embroidery, net darning, needle point, chicken scratching, crewel, macramé and ornament beading. A neighbor taught her how to crochet, which is her favorite winter craft. In the summer, she prefers counted cross stitch.

A Christmas stocking for her husband is one of Pam's most prized items because it was so difficult to make. "I started on the stocking the day after Christmas in 1983 and finished it on Memorial Day in 1984. I worked on that stocking practically the entire five months. It took a lot of time because it was so detailed."

A macramé Christmas stocking was one of the easiest decorations for Pam to make. "I whipped that up one Sunday when I was in the mood to do something Christmasy," she adds.

"My favorite gifts to make are crocheted bell pulls. One year I embroidered a clock as a gift for my brother and sister-in-law. I have also given away a few cross stitch pieces as gifts. This year I am crocheting an afghan for my mother."

Pam concludes, "The real joy in creating these decorations and gifts is knowing that they are special to my family and friends." □

Customer shares her needlework



Mrs. Mary Sidebottom, left, pins a Christmas decoration on Eloise Baker, cashier A, as Susan Bauer looks on. Susan, now a T&D clerk C, received several of Mrs. Sidebottom's gifts when she worked as a cashier.



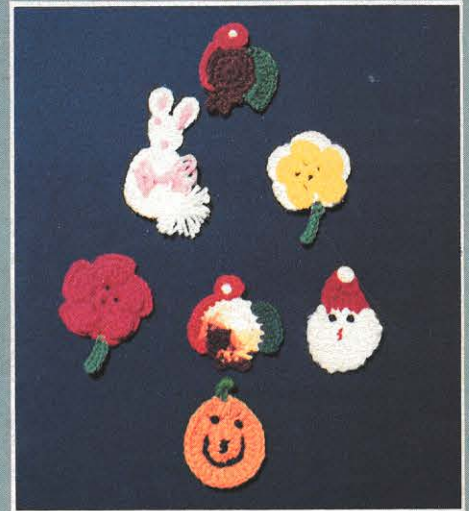
Christmas came early this year for the cashiers in the Huntington office. Mrs. Mary Sidebottom, an Appalachian customer for some 40 years, came in recently to present them with a crocheted Santa Claus and Christmas wreath to wear during the holiday season.

This isn't the first time Mrs. Sidebottom has remembered the cashiers who wait on her every month. For Halloween, she brought the girls a pumpkin, for Thanksgiving, a turkey. Other crocheted lapel pins include a shamrock for St. Patrick's Day, a bunny rabbit for Easter, and a rose for Mother's Day.

Other people fortunate enough to be on

Mrs. Sidebottom's gift list include cashiers at her bank, employees of the fast food restaurant she patronizes, and members of the Fairfield West Senior Citizens Club. Mrs. Sidebottom is active in the senior citizens organization and spends most of her days there working with crafts and various fund raising projects. She also travels frequently with the group.

The 69-year-old Mrs. Sidebottom confides that "keeping active" is her secret for health and happiness. The Huntington cashiers say they look forward to Mrs. Sidebottom's visits since she is so cheerful and full of energy. □



ILLUMINATOR

Appalachian Power Company
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Roanoke, Virginia 24022

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