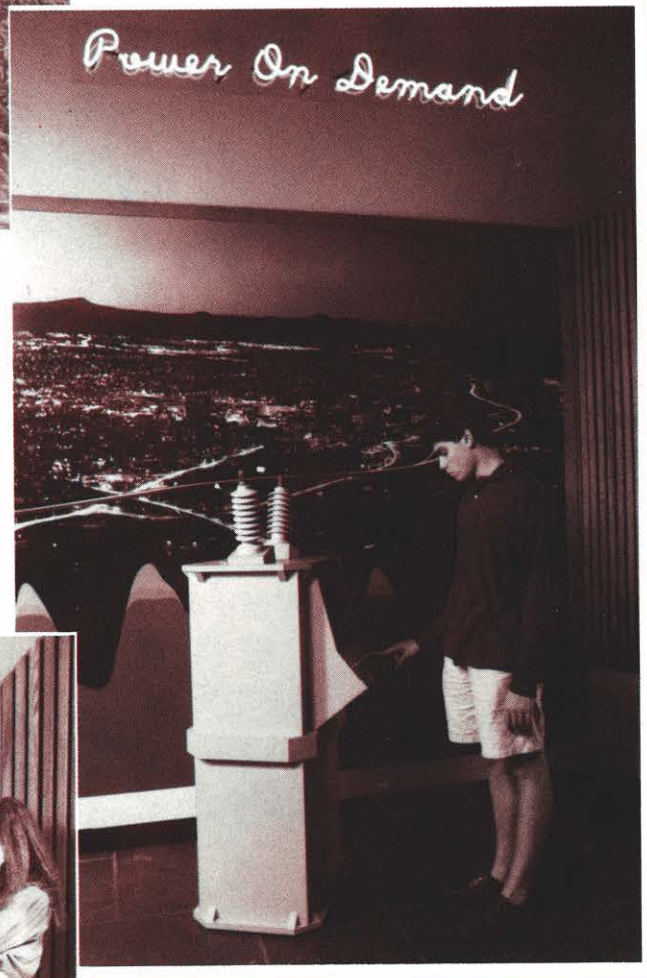


ILLUMINATOR

April
1989



Energy 
In
Nature



The Inside Story

ILLUMINATOR

Vol. 39, No. 7, April 1989

Published for the employees of:



Editorial Office: Public Affairs Department, Appalachian Power Company, P.O. Box 2021, Roanoke, Virginia 24022.

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About the Cover:

Exhibits in the Smith Mountain Visitors Center provide a colorful, exciting, action-packed science adventure for all age groups. See story on back cover.



Meet our education award winners tells about Appalachian's six scholarship recipients. **7**



Renovated Smith Mountain Visitors Center opens describes what there is to see and do at this popular lake attraction. **24**

We're opening the door to community support for the elderly explains our companies' Gatekeeper Program. **3**



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AEP Savings Plan to report quarterly

In the past, the *Illuminator* has reported each month the "unit values" of the AEP Savings Plan's Fixed Income, Equity and Stock Funds.

In January, Mercer-Meidinger-Hansen (Mercer), an international employee benefits consulting and actuarial firm located in Columbus, assumed the record keeping responsibilities from Bankers Trust Company, and the Ameritrust Company became the trustee.

As a result of the change, investment rates of return of funds rather than "unit values," will now be reported each quarter in the *Illuminator*. It is anticipated that

the May, August, November, and February issues of the *Illuminator* will carry the March, June, September, and December quarterly figures, respectively.

Employees will also receive a quarterly personalized statement in the mail reporting on the status of their personal accounts, and it will report values on a cash and share basis. In the past, statements were provided semi-annually.

Next month's *Illuminator* will begin reporting the investment rates of return for each of the funds.

We're opening the door to community support for the elderly

People over the age of 65 make up the fastest growing segment of our population. Many live alone and have little contact with others. If they become ill or unable to function independently, their needs can easily go unnoticed.

Because of concern for the safety and welfare of such people, Appalachian and Kingsport Power Companies have instituted a community support program for the elderly in their service areas.

The program is known as Gatekeeper because the companies' employees will open the gates between older citizens and sources of assistance. A number of investor-owned electric utilities have adopted a Gatekeeper program since the pilot program was instituted in Washington state just a few years ago.

Power companies are in a unique position to act as a link between senior citizens and area agencies for the aging. Certain employees make regular visits to every home in the company's service area. They get to know the neighborhoods and the people who live there.

Under the Gatekeeper program, meter readers and certain other customer contact employees who become aware

of older people in need of assistance will notify a local agency of the state commission on aging.

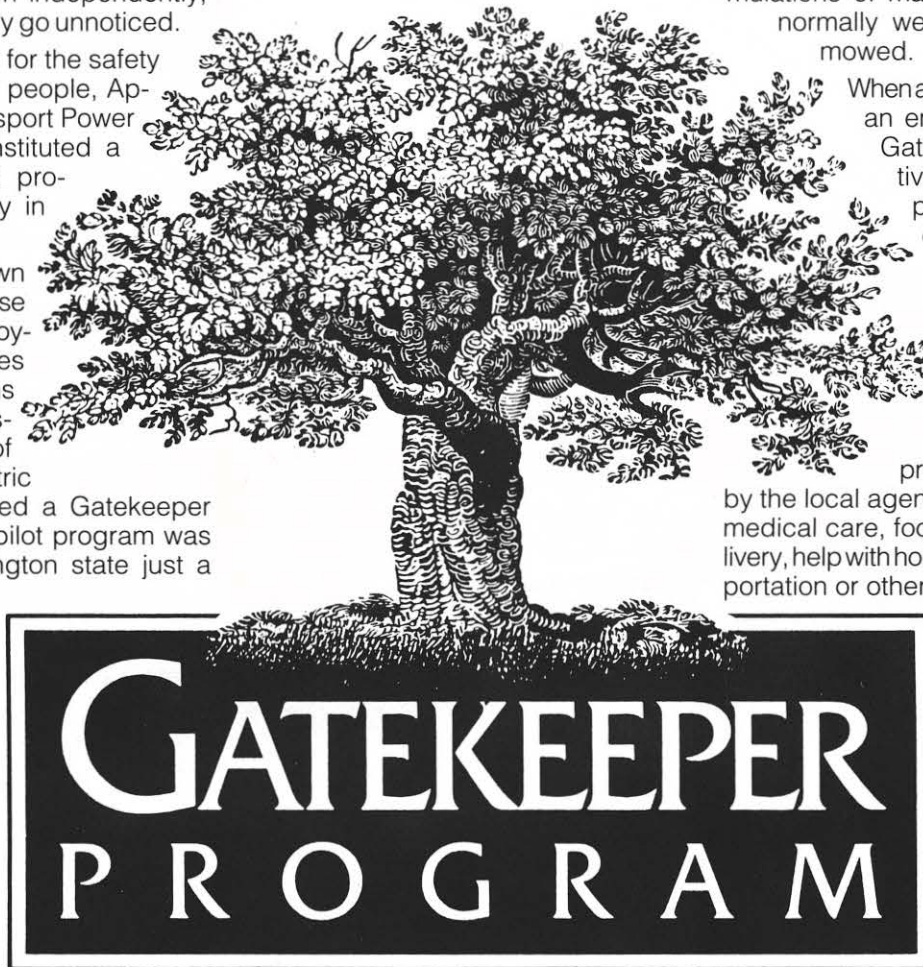
Training programs already have been

Employees were trained to recognize certain danger signals in the elderly. A change in appearance or behavior. Signs of confusion or disability. Accumulations of mail or newspapers. A normally well-kept lawn left unmowed.

When a problem is suspected, an employee will notify a Gatekeeper representative in the power company office, who will contact an area agency on aging. An agency representative will contact the elderly person, assess the situation, and arrange for assistance through the appropriate program provided by the local agency. This may include medical care, food preparation or delivery, help with household chores, transportation or other services.

"We view the Gatekeeper program as an opportunity to be a good neighbor, and good neighbors watch out for each other," said Appalachian Power President John W. Vaughan and Kingsport Power President Tom A. Rothenberry. "In other

areas, the Gatekeeper program has been credited with saving lives. At the very least, it can offer older folks a greater sense of security in the knowledge that there is a source of assistance should it be needed." □



conducted for employees in Kingsport and in all Appalachian divisions except Logan-Williamson and Huntington. Training in those areas will take place in the near future.

APCo leases facility at Hansford to serve Montgomery operating area



Appalachian Power has leased this facility at Hansford to serve the Montgomery operating area.

Appalachian Power Company has leased a facility at Hansford, West Virginia, to serve as a storeroom and pole yard for its Montgomery operating area.

The previous facility, located on Morris Creek Road in Montgomery, was a combined storeroom and crew-reporting building. Poles were stored at a

separate location a half mile away, accessible only by private road.

Combining the operations at one location will improve productivity as well as storeroom security, according to Floyd Taylor, Charleston division manager. The building also will be used for employee safety and training meetings. □

APCo seeks rate reduction in VA

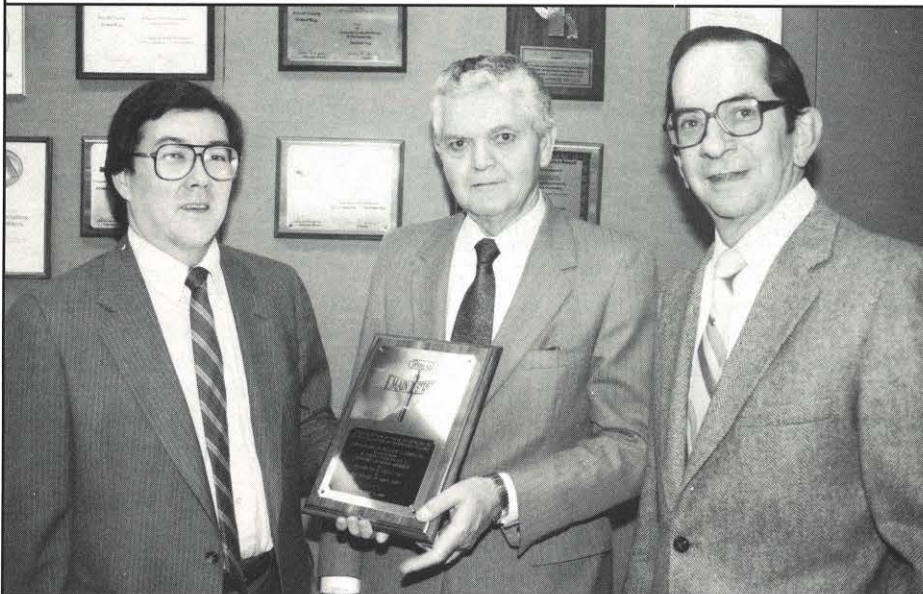
Appalachian Power Company last month asked the State Corporation Commission to approve a reduction of approximately \$11.7 million, or 2.3%, in its Virginia rates, effective May 1.

The request was made in connection with the company's filing of its projected fuel costs for the 12-month period beginning May 1, as required by Virginia statute.

If the proposed reduction is approved, the average residential customer using 1,000 kilowatt-hours of electricity a month would be billed \$55.17, a decrease of \$1.06 under current rates.

According to John W. Vaughan, president of Appalachian, the new fuel factor will be the lowest since 1981. The request for a rate reduction reflects the company's continued efforts to aggressively renegotiate fuel supply contracts and, where feasible, to maximize its use of lower priced spot market coal. Vaughan noted that the proposed rate reduction also reflects the consistently high performance and efficiency of the company's generating plants which have played a major role in helping the company control its fuel costs. □

Pulaski Main Inc. honors Appalachian



Pulaski Division Manager Jerry R. Whitehurst (center) accepts a plaque, on behalf of Appalachian Power Company, from Pulaski Main Inc. (PMI) Director Doug Phelps (left) and PMI President Bill Elmore (right). The recognition is for Appalachian's investment in the revitalization of downtown Pulaski and designation as a lifetime charter member of Pulaski Main Street, Inc.

U.S. CIGRE institutes Sporn award

The U.S. National Committee of CIGRE, the international organization dedicated to the development and operation of high voltage transmission, has instituted "The Philip Sporn Award" to honor "career contributions to the advancement of the concept of system integration in the theory, design and/or operation of large high voltage electric systems in the United States."

The first award was presented recently to Charles Concordia, who retired from General Electric and continues to be involved in CIGRE and the Institute of Electrical and Electronics Engineers (IEEE). □

Clinch, Roanoke win annual AEP safety competition

For the ninth time in 12 years, Clinch River Plant has won the small plant category (less than 250 employees) in the AEP System annual safety competition. Roanoke Division, with more than 250 employees, won the large division category for the first time in 1988.

Clinch River Plant employees had worked 2,567,703 safe hours by the end of 1988. The last disabling injury there occurred on October 16, 1981.

Roanoke's safety record began on April 19, 1985. As of December 31, 1988, employees had worked 2,858,364 hours without a disabling injury. □

Savings Plan assets near \$497 million

Contributions to the AEP System Employees Savings Plan totaled \$55.7 million in 1988, and at year-end the total assets of the Plan's Trust were \$496.7 million.

During 1988, employees contributed \$42.7 million, and the company added \$13 million to employees' accounts.

At year-end, 19,605 of the AEP System's employees were eligible to participate in the savings plan, and 17,314 or 88.3 percent were doing so. A total of 15,765 employees were contributing six percent of their base salaries, the maximum the company will match on a one-for-two basis. Further, 2,338 employees were contributing at the 16 percent level, which is the maximum allowable employee investment.

An employee who earned \$52,235 or less in 1988 may continue in 1989 to contribute up to 16 percent of base pay to the plan on either a before- or after-tax basis; the only limit is \$7,627 of contributions on a before-tax basis in a calendar year. Because of further I.R.S. restrictions, an employee who earned more than \$52,235 in 1988 is limited to a total of 11 percent contributions to the plan, and limited to \$7,627 or seven percent of salary, whichever is less, in before-tax contributions. □



Pictured after the presentation of the AEP safety awards for 1988 are, l. to r., W. S. White, Jr., AEP chairman; Doug Forbes, Appalachian safety manager; Bob Webster, Roanoke division manager; George Briers, Clinch River Plant manager; and John W. Vaughan, president of Appalachian.

My idea counted,



Larry Darnell
stores attendant
Beckley

yours can too.

oip
OPERATIONS
IMPROVEMENT
PROGRAM

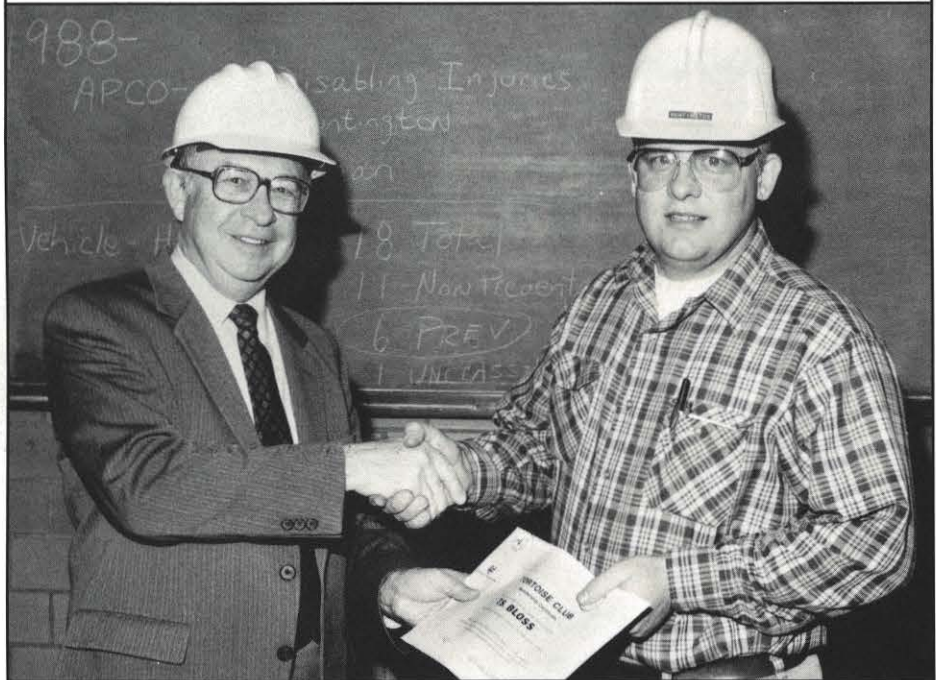
AEP
APPALACHIAN
POWER

Sink earns Wise Owl Award



Gary Sink, Roanoke station mechanic A, knows from experience the value of wearing protective equipment. Because he was wearing safety glasses, Gary's eyes were saved when he encountered an electrical flash as he attempted to replace a damaged fuse block in a station service cabinet. Gary has been awarded membership in the Wise Owl Club of America, sponsored by the National Society to Prevent Blindness.

Two employees join Tortoise Club



Thomas Bloss, Huntington station mechanic A, and Mack Terry, Jr., Huntington general servicer, are living proof that it pays to wear protective equipment on the job. Tom was switching in mobile unit #13 when the low side lightning arrestors blew up, and porcelain and melted copper struck the hard hat he was wearing. Mack was replacing a blown transformer fuse when the fuse holder dropped off the telescopic stick and fell approximately 30 feet, striking the top of his hard hat. Because these employees' hard hats prevented them from sustaining a serious injury, they have been awarded memberships in the Southeastern Electric Exchange's Tortoise Club. In the photo above, Huntington Division Manager Fred Helm presents the membership certificate to Tom Bloss (right). In the photo below, Helm congratulates Mack Terry (right) on receiving the Tortoise award.

Clonch receives "I Buckled Up" Award



Point Pleasant Customer Accounts Servicer Curt Clonch claims he is alive today because he was wearing a seat belt when he was involved in a head-on collision. Curt, who was substituting as an express driver, was returning to the office after finishing his run. An oncoming driver lost control of his vehicle, due to a slick road, and slid into Curt's lane. As a result of the incident, Curt, left, was presented an "I Buckled Up" award from Appalachian Power by Huntington Division Manger Fred Helm.



Meet our education award winners

Children of six Appalachian Power employees are among the 34 recipients of the 1989 AEP System education awards.

The winners are selected by an independent scholastic judge based on the student's class rank and/or grade point average, SAT or ACT test score, recommendations, autobiographic presentations, special qualities or talents, leadership abilities, extracurricular activities, and overall good citizenship.

This year's winners are divided among the AEP companies as follows: Indiana Michigan Power — eight; Ohio Power — seven; Appalachian Power and Columbus Southern Power — six each; the Service Corporation — five; and AEP Fuel Supply Department — two.

The 1989 Appalachian Power winners are:

Karen Anderson, daughter of Richard Anderson, allocation supervisor, GO Rates & Contracts, Roanoke. At Cave Spring High School, she is a member of the National Honor Society, German Club, and Art Club. Her grade average is 4.0 on a scale of 4.0.

Karen is participating in the Mentor



English

Apprenticeship Program during her senior year, working with a commercial artist at a Roanoke advertising agency.

Karen was a member of the track team for three years, basketball team for four years, and swim team for four years. She was district champion, high jump, in 1986 and most valuable field per-

former in 1985 and 1986. She also was named female athlete of the year in 1986.

Karen plans a career in commercial art after graduation from college. She is considering Duke University, University of Virginia, University of North Carolina, or James Madison University.

Jennifer English, daughter of Janice Harlowe, stenographer, General Office Accounting, Roanoke, and stepdaughter of C. F. Harlowe, general records clerk A, GO Accounting. At Franklin County High School, she is vice president of the National Honor Society and a member of the German Club.

A former member of the National Junior Classical League, Jennifer received the International Foreign Language Award for Latin and a certificate of honorable merit magna cum laude for outstanding performance in the national Latin examination. She also has received an award and certificate of achievement for German.

Jennifer has been a cheerleader and an algebra tutor. She is a member of

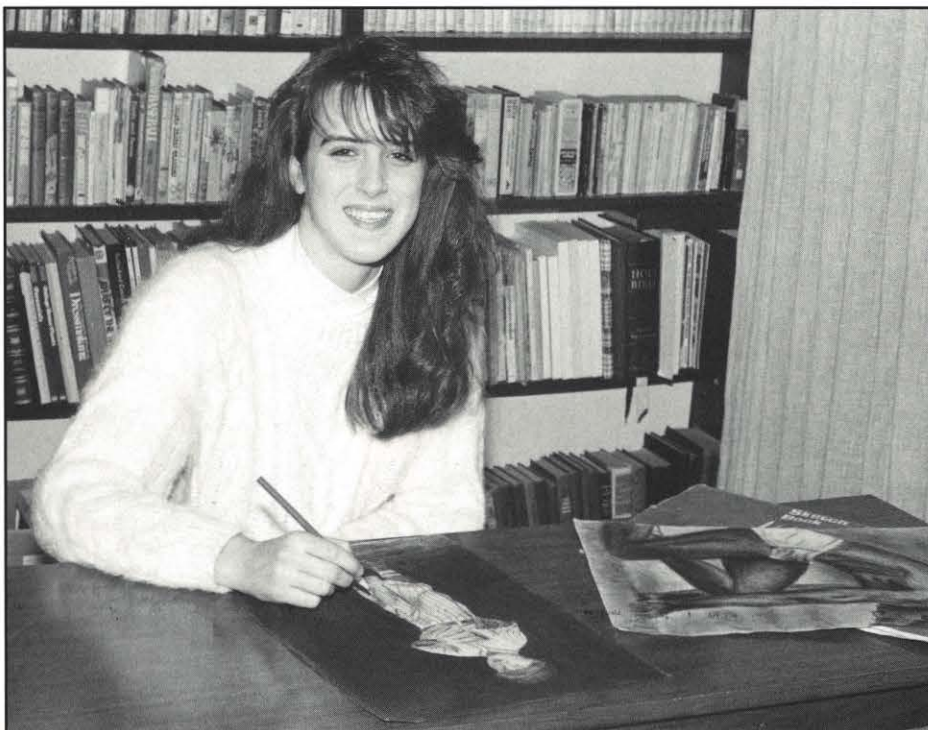
Scholarship dollars increase

This year's 34 winners in the AEP System Education Awards competition will see an increase in scholarship dollars as they will share \$204,000 worth of award funds, with each student receiving \$6,000 spread over a three-year period. Each winner will receive \$2,500 for his or her freshman year of college, \$2,000 for the sophomore year and \$1,500 for the junior year.

Previously, winners received \$3,500 — \$2,000 given to the student for their freshman year and \$1,500 for the sophomore year.

Since the program was introduced in 1955 AEP has given \$2,166,400 in scholarships to 903 children of System employees.

A total of 344 students from throughout the AEP System applied for the 34 available scholarships in 1989.



Anderson

the varsity volleyball team and manager of the varsity wrestling team. She was president of the 4-H Club for two years and secretary for one year. She participated in the John Hopkins Talent Search and the Ferrum College continuing education program. She was selected for *Who's Who of American High School Students* for two years.

A member of the Teenage Republican Club, Jennifer helped in fundraising campaigns for the American Heart Association, cancer research, and Red Cross Bloodmobile.

Jennifer plans to work towards a bachelors degree in either sports medicine or physical therapy at James Madison University or Virginia Polytechnic Institute & State University. She plans to continue her studies at a medical school and hopes eventually to have her own practice as a top trainer of professional athletes and/or a physical therapist.

Keith Curtis, son of Jean Curtis, Christiansburg customer accounts representative C. At Christiansburg High School, he is president of the Beta Club and treasurer of the Thespian Society. He was captain of the Christiansburg Academic Competition Team which participated in Mountain Academic Conference competitions. He also was a member of the Forensics, Math, Science, Chess, and Latin Clubs.

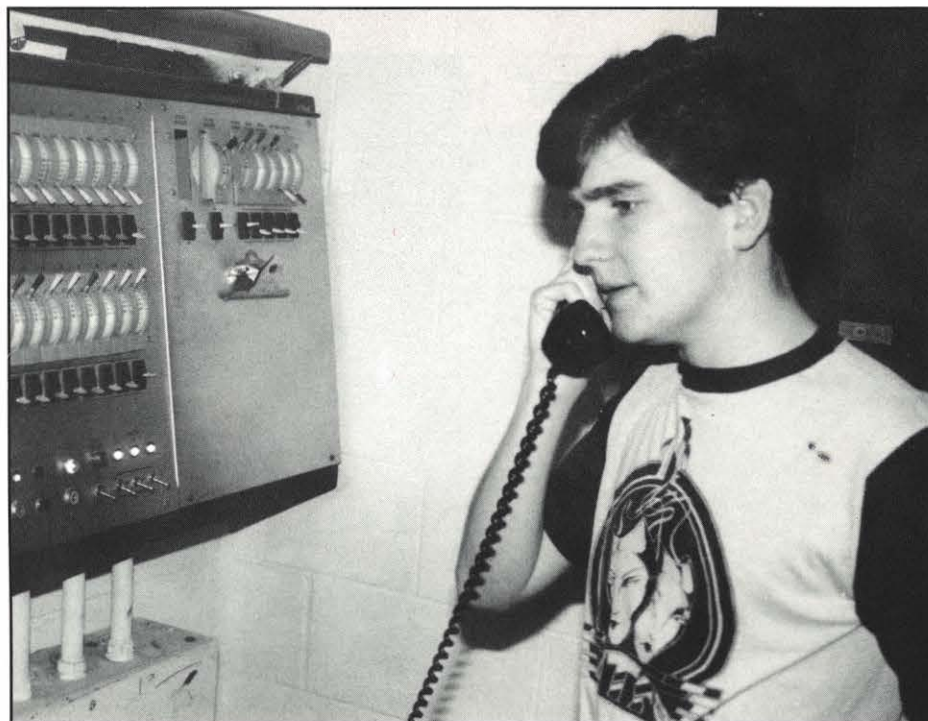
Keith was a member of the varsity golf team his freshman year. He placed third in the PTSA Reflections Poetry Contest as a sophomore and was an alternate for Boys' State his junior year.

Keith's major interest is working in theatre, where he has performed a variety of jobs including acting, lighting, and sets. He currently is stage director in Thespian Society plays.

Keith is a lay reader at the Park United Methodist Church. He has worked part-time as a checker/bagger at a local supermarket.

Keith will major in statistics at Virginia Polytechnic Institute and State University. He hopes to use his training in either social opinion surveys or in industrial quality control.

Patricia Philpott, daughter of Tom Philpott, building supervisor, General Office General Services, Roanoke. At William Byrd High School, she is a cheerleader and member of the French Club,



Curtis

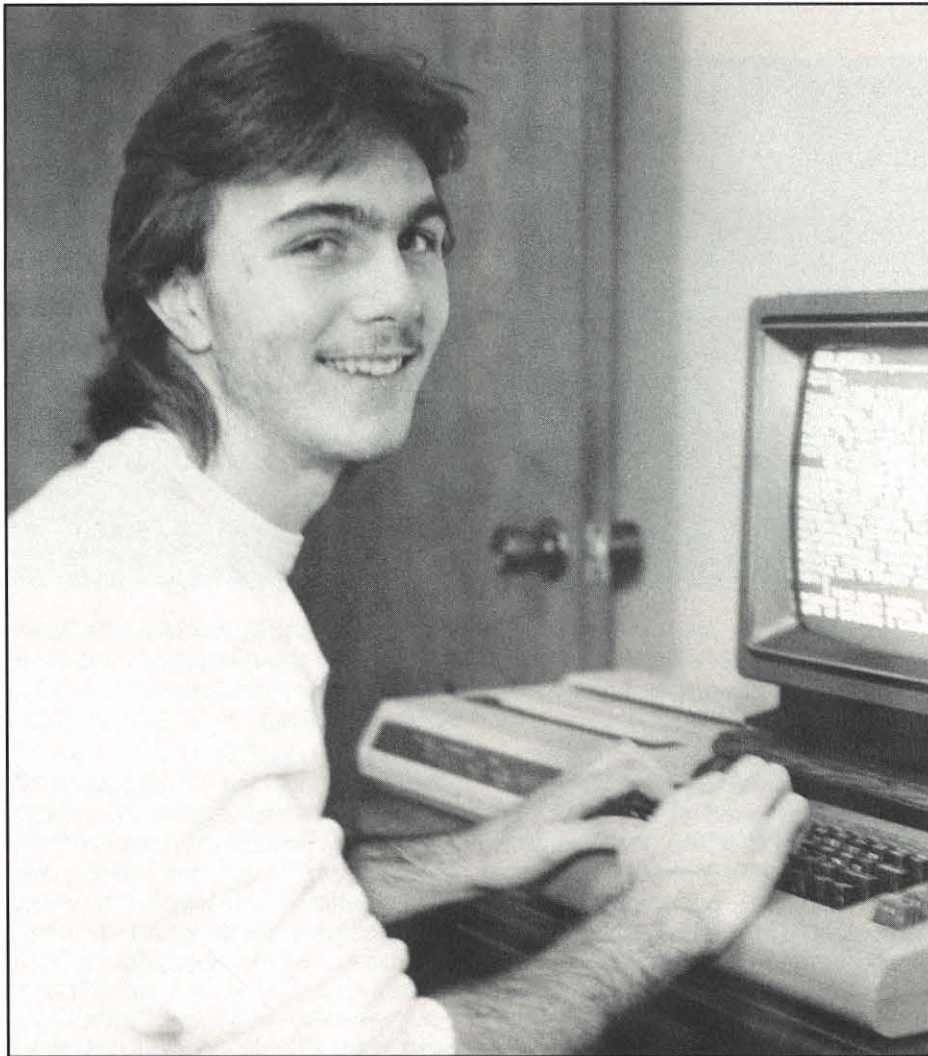
Beta Club, Fellowship of Christian Athletes, and Science Club.

Patricia was a student council class representative her sophomore year and layout editor and writer for the school

newspaper in her junior year. She was a swimmer for the Leukemia Society of America, Inc., a participant in Vinton's Junior Miss Scholarship Contest, and a member of the homecoming court.



Philpott



Ray

Patricia has studied piano and flute for several years. She is accompanist/assistant for the junior choir at her church. She also was a P.L.U.S. member (Peers Leading to Ultimate Success), working with elementary school students.

Patricia will pursue a degree in architecture at Virginia Polytechnic Institute & State University.

Keith Ray, son of Gaynell Ray, Lebanon meter reader. He is treasurer/reporter of the Beta Club at Honaker High School and a member of the Future Business Leaders of America, SCA, and newspaper staff.

Keith is captain of his school's academic team. He attended the Governor's School for the Gifted at Virginia Tech last summer. His hobbies are computers, astronomy, and reading.

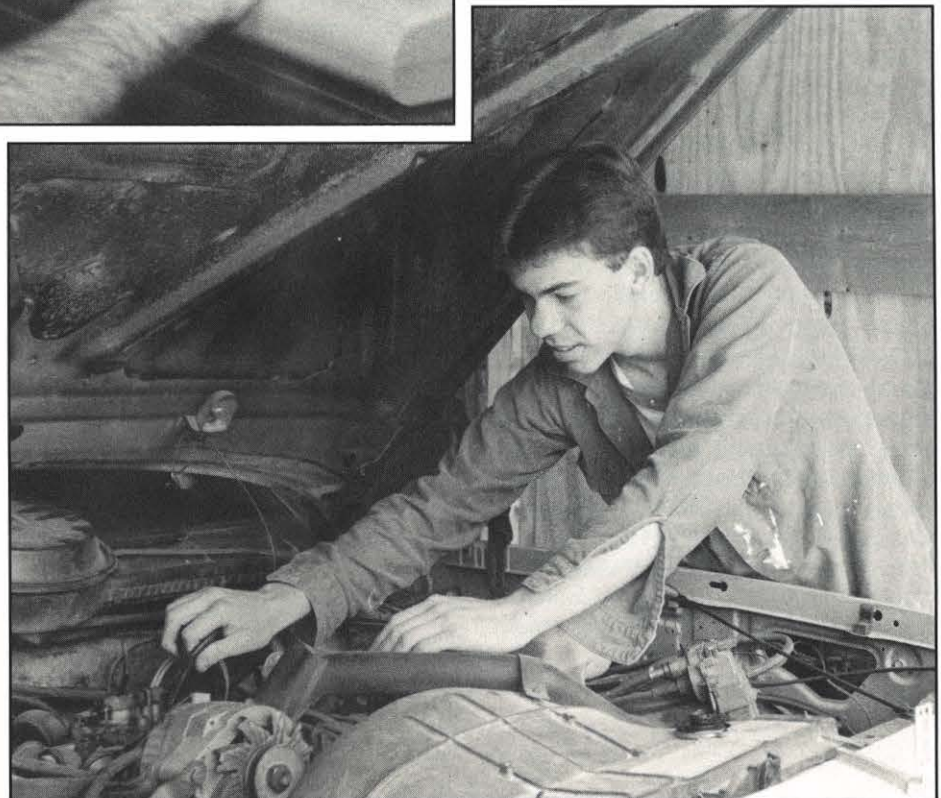
Keith will study electrical engineering

at Virginia Polytechnic Institute & State University. He is the recipient of a \$10,500 scholarship from VPI&SU and a National Merit scholarship funded through Ingersoll-Rand and administered by the National Merit Scholarship Foundation.

John Presley, son of Carl Presley, II, station construction representative senior, General Office T&D Station, Bluefield. John is president of the National Honor Society at Athens High School and a member of the Language Club.

John runs cross country and track and enjoys hunting, bicycling, motorcycle riding, playing the guitar, and working on cars. He attended Mountaineer Boys' State and was included in *Who's Who Among American High School Students*.

John plans to major in mechanical engineering at the West Virginia Institute of Technology. □



Presley

Retirements



For employees in the Logan-Williamson Division, it's hard to imagine the Human Resources Department without **Mildred Maynard**. For more than 35 years of her 38-year career, Mildred was the department's mainstay as various supervisors came and went. As of April 1, Mildred elected early retirement from her job as human resources clerk A and joined the ranks of those who are enjoying the good life after years of faithful service.

"I'm looking forward to retirement," Mildred said shortly before leaving in February, "but I have a feeling that next Monday morning I'll be real sad. In a location like this, you get very close to the employees." Mildred and her husband Ben, who retired last October, planned to head for Kitty Hawk, North Carolina, where they've had a home for several years. A fishing trip to Florida was on the agenda for late March.

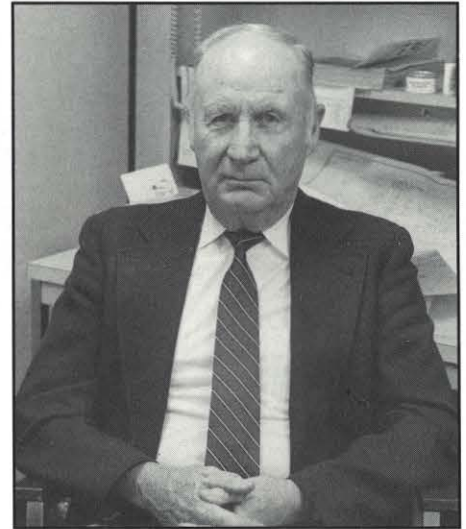
"We're going to relocate from Logan," Mildred said. "We haven't decided where, but it'll be near the water." Ben is the fisherman in the Maynard family; Mildred enjoys cooking and making candy. "I conducted a candy making workshop for some of the girls one Saturday," she recalled. Wherever she moves, Mildred plans to keep in touch with her power company friends. □



"I've worked hard all my life, and I'm looking forward to retirement," says **Ray Burcham**, Huntington automotive mechanic A. A 19-year veteran, he retired on April 1.

Ray adds, "I was 45 years old when I hired on. I got tired of working at an automobile dealership in town and decided to improve my lot. This is a wonderful place to work, and I'm sure glad I came. Tom Templeton, who was garage foreman then, helped me get on. He is one of the finest men I ever met. All the people I worked with here at Appalachian are very nice."

Ray's retirement plans include working on his farm, taking care of his herd of cattle, hunting, and traveling. An Army veteran of World War II, he served in the European Theatre. Ray and his wife Lillian have one son and one daughter. □

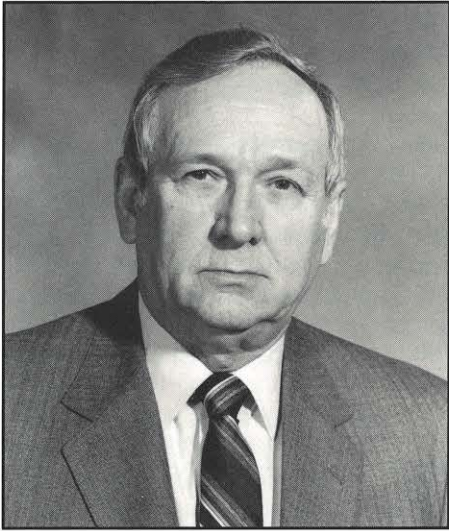


"I never thought I'd say it, but I'm looking forward to retirement," said **Ted Carroll**, relay supervisor in GO T&D Station, Roanoke. A 38-year veteran, he retired on April 1.

"Really, I enjoyed working because of the variety — nothing is ever the same in the relay section — and the challenges — all the way from floods to ice storms. Before I took this position, I was on the road most of the time. For a long, long time I was functionally responsible for Kentucky and Kingsport Power Companies so I did a lot of traveling. I used to know more people out of Roanoke than I did here. I've worked closely with GO Operations all these years, too," he said.

One of Ted's last assignments was helping to determine what caused an explosion and fire in the electrical system at Radford Army Ammunition Plant.

"I plan to do some parttime consulting work," Ted said, "but mostly I'll just enjoy myself. I'll probably frequent a few golf courses here and there. Our son lives in Las Vegas so we're due to go out there. There is one thing I might start again. A couple of doctors in town are fly boys and own an aircraft, so I might get into that again." A pilot in World War II, he flew 115 missions. □

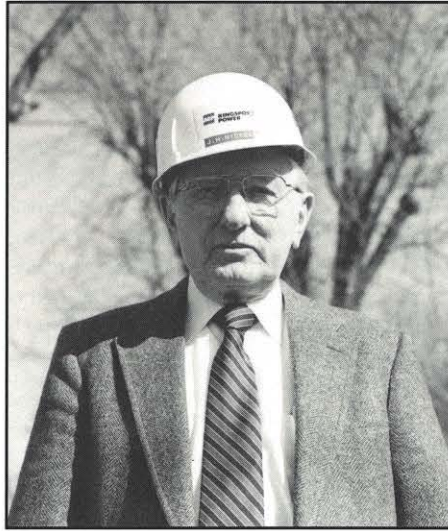


A 40-year utility career came to a close on April 1 with the early retirement of **Glen Hensler**, operations superintendent at Philip Sporn Plant.

"I enjoyed my work at Sporn very much," Glen says. "I had the opportunity to work with and get to know many fine people, not only at Sporn but throughout the AEP System. I had many wonderful experiences over the years. I was very much involved in the check-out and startup of Unit 5, one of the first super-critical units in this country. Another wonderful experience for me was being assigned to Cardinal Plant in 1966 as an instructor to train operating personnel on the first simulator ever built by an electric utility. When electrostatic precipitators were installed on units 1-4 in the late 1970s, there was a big change in employees' attitudes because of improvement in working conditions."

One of the benefits Glen appreciates most is the company savings plan. "I just wish it had started much sooner," he says.

Glen and his wife Eula have one son and two grandchildren. One of Glen's hobbies over the years has been attending major league baseball games and PGA golf tournaments. He served in the U.S. Navy during World War II. □



Line Construction and Maintenance Representative **J. H. "Nick" Nickels, Jr.**, who retired on April 1, has the distinction of working longer than any other Kingsport Power employee — 48 years. He began his career in 1941 as a rodman and held the positions of clerk intermediate, senior T&D clerk, engineering aide, engineer B, and right of way maintenance inspector before being promoted in 1985 to the position he held at retirement. He served in the U.S. Navy during World War II.

"I'm looking forward to retirement," Nick says, "but the big thing will be leaving the friends I have at the power company. Everyone has been nice to me over the years. I especially enjoyed the contact I had with our customers. Really, it has just been marvelous."

A racing enthusiast, Nick has attended many NASCAR races through the years. "I missed the first one at Darlington," he recalls. "I plan on taking in several more when I retire." He also expects to spend a lot of time with his ten-year-old granddaughter. "She's active in basketball and likes to fish so I'll probably be going to the ball games and doing a lot of fishing."

Nick and his wife Louise have one son and one daughter. They will continue to reside in Gate City, Virginia. □



"I have mixed feelings about retirement," declares **Charlie Weaver**, who retired April 1 as stores coordinator at Philip Sporn Plant. "I'm looking forward to it; but, having had a good relationship with a lot of good employees, I'm going to miss working with them."

Charlie came to work at Sporn in 1950, soon after the plant began operation. All his 39 years' service has been in the Stores Department. "There have been a lot of changes through the years," Charlie notes. "The storeroom was enlarged to take on Unit 5 and the precipitators. We used to keep track of the inventory by a microfiche system but converting to computer was a big help."

Charlie's retirement plans include traveling, fishing, and rebuilding old model cars. A West Virginia University football fan, Charlie and his wife Irene attend the games when visiting one of their daughters, who is a nurse at the WVU hospital. They also have a son and another daughter. Secretary of the New Haven Fire Department for 24 years and a member of the New Haven Emergency Squad for 11, Charlie plans to continue his association with both organizations. □

Acid Rain Legislative

by A. Joseph Dowd

Senior Vice President and General Counsel
American Electric Power Service Corporation

On February 20, A. Joseph Dowd, senior vice president and general counsel of the AEP Service Corporation, delivered the following address in Charleston, West Virginia, at the Marshall University Institute for International Trade Development National Conference on Acid Deposition Control Legislation.

Other speakers included representatives from Canada and Richard Trumka, president of the United Mine Workers union.

In his address, Dowd summarizes the outlook for acid rain legislation in 1989 and AEP's position regarding congressional action on the issue.

Acid rain is, of course, an issue of critical importance not just to Canada and Canadians — it is also of critical importance to the economy of the State of West Virginia, to the coal industry, to the United Mine Workers and to the electric utility industry, including particularly American Electric Power.

The Congress of the United States has been wrestling with this issue for about nine years now — without settling on precisely what is best for the nation. The fact that in nine long years the Congress has been unable to enact acid rain legislation is compelling testimony to the complexity of the matter — and may well tell us that, of all the bills introduced to date in the Congress, we have not yet seen the most objective and cost-effective one.

1989: New Faces, New Approaches

The new year has brought new faces and new approaches to the problem, giving rise to the hope that a fresh look at the acid rain issue will result in its resolution in a sensible and business-like manner. President Bush appears to support some as yet undefined form of legislation to address the issue.

Senator Byrd is no longer Senate Majority Leader — a big blow from our

perspective. And to make matters worse, he has been replaced in that position by Senator George Mitchell of Maine — a good man, but one who, over the years, has been the Senate's principal proponent of the most extreme type of acid rain legislation.

John Sununu, former Governor of New Hampshire, is now White House Chief of Staff. As New England governors go, Governor Sununu was a relative moderate on the issue, but he, too, favored acid rain legislation.

The new EPA Administrator, William Reilly, comes to EPA after heading up several relatively conservative national environmental organizations. Mr. Reilly, during his confirmation hearing on January 31, left little doubt where he stands. He has given acid rain legislation top priority within his agency and has announced that he expects to have a bill completed and in form to see the light of day within a few weeks.

John Dingell, of course, is still chairman of the House Energy and Commerce Committee and from this key position he has proven to be quite an effective opponent of premature and ill-considered acid rain legislation. And, as always, Senator Byrd, from his new position as President Pro Tem of the Senate and chairman of its Appropriations Committee, will continue to insist that the country move forward, not backward, in making use of the nation's abundant coal supply with new and better technologies.

Basic Divisions on Acid Rain Issue

There are the basic divisions that prevented the enactment of acid rain legislation last year and in previous years. Those divisions are still there — perhaps deeper than ever.

There is division between the West and the Midwest over the issue of national cost-sharing; there is division between the high and low sulfur coal producers; there is the bitter recollection by the western congressional delegation of what occurred in the 1978 Amendments to the Clean Air Act, i.e., of the so-called "unholy alliance" between the

high sulfur coal interests and the national environmental organizations that resulted in the requirement that scrubbers be installed on all new, coal-burning power plants, even those burning the very lowest sulfur coal. Thus, new plants built in the West since that time which burn indigenous coal so low in sulfur content that their SO₂ emissions are well below 1.0 lb. per million Btu nevertheless have had to install costly scrubbers. The West has not forgotten this episode.

New Divisions Emerging

I might mention another division which has only recently arisen. The American Gas Association late last year suddenly became seized with environmental religion. SO₂ emissions should be reduced, they proclaimed, and they just happen to market the product that will best bring about those reductions: natural gas, of course.

The spectre of natural gas as an aggressively marketed substitute for coal at existing power plants may temper the enthusiasm of some low sulfur coal producers for freedom of choice-type acid legislation.

President Bush has indicated that his acid rain program will "remove disincentives to the use of clean-burning fuels like natural gas . . ." With the natural gas industry pressing its product — apparently with the President's blessing — fuel switching may take on a somewhat different dimension. It may in some instances involve switching from higher sulfur coal right on past low sulfur coal and on to natural gas. What I am saying is that the AGA's "statesmanlike" position has the potential for creating yet another political-economic division.

New Environmental Concerns

In addition to these existing divisions, there are other forces at work that virtually compel all of us, including the Congress, to take a more circumspect and longer-term look at what is most beneficial for this country. One such new force is the explosion of the global warming or greenhouse effect upon

n

the nation's public and political consciousness. One of the principal greenhouse gases is carbon dioxide (CO₂) and there is general agreement that virtually all acid rain control scenarios would increase the emission of CO₂ and, therefore, would be counterproductive to efforts to slow down the greenhouse effect.

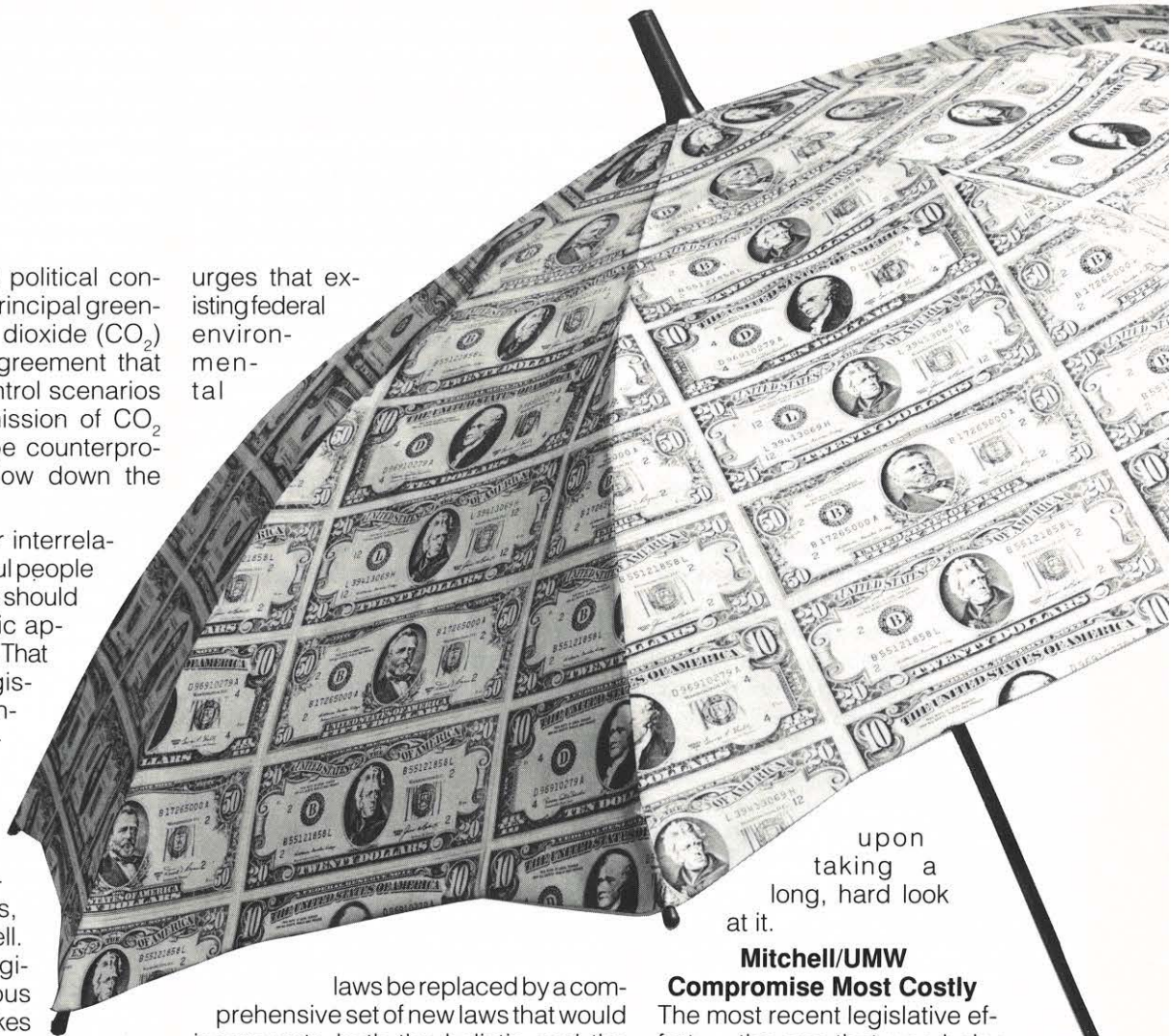
In view of this and other interrelationships, many thoughtful people believe that the Congress should adopt a so-called holistic approach to clean air matters. That is, it should develop legislation that will comprehensively consider and balance all of the competing considerations and interactions relating not only to acid rain control, but to ozone non-attainment, toxic emissions, and global warming as well. Such an approach is logical and makes enormous scientific sense. It also makes good sense to those of us concerned about the overall quality of life of our citizens. But this holistic approach would complicate and, thus, slow down the legislative process. Nevertheless, the long-term benefits to our society from such an approach could prove to be very well worth the delay.

Control By Economic Incentive

Yet another emerging concept is the view the environmental controls should be shaped by market forces and economic incentives rather than by the philosophy of command and control as in the past. Senators John Heinz (R-PA) and Timothy Wirth (D-CO) sponsored a report entitled "Project 88" which was issued late last year. It urges the use of economic incentives to achieve environmental control.

This concept has also been embraced by the Heritage Foundation in its recent recommendations to the new Administration. Furthermore, the Conservation Foundation, which the new EPA Administrator previously headed, has issued a 215-page draft report which

urges that existing federal environmental



upon taking a long, hard look at it.

Mitchell/UMW Compromise Most Costly

laws be replaced by a comprehensive set of new laws that would incorporate both the holistic and the market-based approaches.

It is my understanding that the Bush Administration is quite receptive to the use of economic incentives in achieving environmental goals. For example, a document dated February 9, 1989 entitled "Building A Better America" spells out in greater detail the proposals contained in President Bush's recent address to the Joint Session of Congress. The document states that the Administration's acid rain program "will include market-based approaches, supplementing and modifying the traditional command-and-control approaches. The goal is to get the Federal Government out of the detailed regulation of industry decisions and reduce the need for elaborate EPA-approved, state-prepared emission reduction plans.

This sounds like a radical departure in approach from past acid rain control bills — an approach that may be so novel that the Congress and the various acid rain constituencies will insist

The most recent legislative effort — the one that was being pushed the hardest last fall — centers around the so-called "Mitchell-UMW Compromise" which was withdrawn by Senator Mitchell in October. While this proposal may have been a "compromise" between the UMW's job protection goal and the environmental objectives of Senator Mitchell, it certainly was not a "compromise" insofar as the electric utility industry or the consumers of electricity were concerned.

The defection last summer of the UMW from the ranks of those opposing acid rain legislation was a surprise and a disappointment. But the UMW apparently had reached the conclusion that acid rain legislation was inevitable and that it had better push for a bill that the UMW believed would protect its members' jobs before Robert Byrd stepped down as Senate Leader. While honest differences may exist regarding the specifics of any legislative proposal, we certainly do not quarrel with the UMW's attempt to protect its membership.

The Mitchell-UMW proposal was intended to be "coal market neutral". That is, it would mandate scrubber retrofits at specified plants in its first phase and very strongly encourage scrubber or new technology retrofits in its second phase, thereby minimizing fuel switching and, in the UMW's view, protect jobs in the high sulfur coal fields.

The UMW's goal was unquestionably a commendable one from the point of view of its constituency. However, scrubber retrofit scenarios, calling as they do for the retrofiting of existing plants — many of them 30 to 40 years of age with limited remaining life — is clearly the most expensive emission reduction strategy imaginable.

ICF, a Washington-based economic consulting firm, which evaluated the Mitchell-UMW proposal for U.S. EPA, stated that this proposal would be twice as expensive in its first phase and 50 percent more expensive in its second phase than the "freedom of choice" scenario that was incorporated in last year's Cooper bill (H.R. 5211).

"Freedom of choice" simply means that utilities would have the flexibility or "freedom" to achieve their required quotas of emission reductions on a plant-by-plant basis in whatever proved to be the most cost-effective manner. This could involve significant fuel switching.

The Mitchell-UMW proposal sought to ameliorate the high-cost impact of the bill by providing for national cost-sharing through the mechanism of a one mill per kilowatt hour tax on fossil-fired generation in the United States. The cost of this bill would be concentrated in a handful of midwestern states. Strangely, there would be no tax on electricity imported from Canada.

The electric utility industry, including American Electric Power, declined to support the UMW's proposal for a "market-neutral" acid rain control bill. First of all we did not agree that acid rain control legislation of the onerous type that we have been fighting for nine years is inevitable.

It must be understood that we have a different constituency than the UMW. Their constituency is their membership whose jobs they commendably wish to protect. Ours is the consumers of electricity whom we wish to protect from unnecessarily high rate increases — an at least equally commendable objective, I submit. By lending our sup-

port to the more costly UMW proposal we would, in effect, have been selling out our customers and the general economy of our service area — and this we could not do.

Cost-Sharing Proposals Inadequate

AEP's analysis indicated that the subsidy based on national cost-sharing would decrease its compliance cost under the proposal by only 10 percent. Thus, it should be obvious that the economy of the Ohio River Valley and the Midwest would come out way behind if a bill were to be enacted that is 50 to 100 percent more expensive than some other bill that would achieve a comparable emission reduction, and that the cost-sharing subsidy goes only a small way to reduce this differential.

Why does the federal subsidy turn out to be such a small proportion of our total cost? There are a number of reasons. It contributes only to the capital cost of scrubber retrofits. It does not contribute to the substantially increased operating costs, such as scrubber maintenance, buying and using huge quantities of lime or limestone, and disposal of the resulting scrubber sludge which, in and of itself, is a massive and costly undertaking. Nor does it contribute to the capital cost of building new power plants to replace the power that scrubbers would use and to replace other plants that would have to be prematurely retired.

However, even if such cost-sharing provisions were not dropped from the bill, there is a very strong possibility that, due to resistance from the West and elsewhere, a flat one mill per kilowatt hour tax (as proposed in the Mitchell-UMW proposal) would be transformed into a graduated tax tied to SO₂ emissions. Were that to happen, the burden of the tax would be shifted back to the Midwest — the very region of the country that the tax was supposedly designed to help — in which case the concept of cost sharing becomes as phony as a three dollar bill.

I don't want to be misunderstood — if scrubber retrofits are mandated, then cost-sharing is absolutely essential. What I am saying is that cost-sharing — while it has some superficial appeal — is counterproductive insofar as the overall economy of our region is concerned because it is tied to a high cost retrofit scenario, and is fraught with political risk.

If we also couple that very high cost of retrofiting scrubbers with the price

elasticity in the demand for electric energy, it becomes very clear that consumers will use less electricity than they otherwise would. It is also clear from the wrenching recession of 1981-82 that industrial plants which are economically marginal or that consume enormous amounts of electricity in their operation may have to close their doors or relocate to other countries.

If less electricity is generated, then it follows that less coal will be burned. Thus, the wheel will have come full circle and hard times will be visited upon the high sulfur coal industry. It may take a few years longer, but it will happen.

A freedom of choice approach will lessen the overall impact on the economy of our region. But its impact on the high sulfur coal industry and on those communities that are heavily dependent upon that industry would be immediate and devastating.

The point that I am trying to make is that acid rain legislation, regardless of how it is structured, inevitably involves a very big hurt to this part of the country. That is a chief reason, but not the only reason, why we continue to oppose all forms of acid rain control legislation that have been proposed to date.

This is not a blind, unthinking opposition. Rather, it is rational opposition, soundly based upon three firm grounds: the enormous cost of such legislation, the uncertain scientific benefits that might result from it, and the better way afforded by the nation's clean coal technologies program.

AEP's Position

Now I would like to turn to our assessment of the present situation and what we believe should be done.

First, present proposals carry with them enormous costs — 60 to 70 percent of which would be concentrated in the nation's industrial heartland. Just to give you some idea of what I am talking about, our economic analysis indicates that last year's original Mitchell bill (S. 1894) — perhaps the most extreme bill ever devised — would result in rate increases across the American Electric Power System averaging 20 to 24 percent.

I'll have to concede that the Mitchell-UMW proposal does seem quite moderate by comparison: "only" a 15.5 percent increase in electric rates and a capital cost of about \$5.5 billion.

In fact all bills appear tame relative to

Mitchell's S. 1894. I suspect that this is the real purpose served by that bill. Rate increases in the 15 percent range, as under the Mitchell-UMW proposal, would certainly chill, and perhaps even bring to a grinding halt, the current industrial resurgence in the Ohio River Valley. It is a hit that we should not be forced to take unless it is quite clear that the resulting environmental benefits in the Northeast and in Canada will exceed that cost. And, I submit to you that it is by no means clear.

That brings me to the second basis of our opposition to acid rain legislation: scientific uncertainty. There is, as you may know, a comprehensive 10-year study of all scientific aspects of the acid rain issue which is nearing completion. This study was initiated by an Act of Congress passed in 1980 and sponsored by Senator Moynihan of New York. Senator Moynihan at that time recognized that many scientific uncertainties existed with respect to the acid rain issue and that Congress could not legislate rationally on the subject until the major scientific gaps in our knowledge had been closed or at least greatly narrowed.

The study is called the National Acid Precitation Assessment Program (NAPAP). It involves almost 1,000 scientists from 40 universities in the United States, Canada and Great Britain, 12 federal agencies, four national laboratories, 11 state research agencies, and 18 private research institutions. It is the most comprehensive scientific study ever undertaken.

By the time of its completion in mid-1990 — less than a year and a half from now — the American taxpayers will have spent \$500 million on this study. The NAPAP study is in its very final stage. The results to date are being synthesized. Data collected in the course of the first eight and a half years will soon be fed into computers. Computer models have been constructed which are designed to tell us what environmental benefits if any, will result from various emission reduction scenarios. It is all in the process of being pulled together.

This will be the culmination of ten years of comprehensive and detailed scientific endeavor and is exactly the kind of information that the Congress needs — and that Senator Moynihan intended it to have — in order to legislate rationally on this issue. We believe that it is just plain common sense for the Con-

gress to wait another year and one-half until the results of the NAPAP study are in. Not to wait would involve precipitous action on the part of the Congress that could result in imposing horrendous and, quite likely, unnecessary costs on the economy of this region. So, our message to Congress is: "Wait for the results of the NAPAP study." To do otherwise would verge on the irresponsible — there is no other word for it!

That brings me to the third reason for our opposition to acid rain legislation: the promise that the clean coal technologies program holds for this nation. The clean coal technologies program is superior in virtually every respect to legislatively mandated acid rain control emission reductions.

First of all, over the longer term, clean coal technologies will produce an equal or greater amount of emission reductions at about 20 percent less cost than reductions mandated by acid rain legislation. Many of these new technologies will reduce both NO_x and SO₂. The cost will be moderate compared with acid rain legislation. These costs will be incurred gradually — not in one or two big, traumatic slugs — so that the nation's economy will better be able to digest them. A portion of these costs will be spread equitably throughout the nation through the system of federal grants.

The program is voluntary — no element of compulsion would be involved. And by improving the efficiency of power generation, clean coal technologies will have the effect of improving, rather than impairing, the competitive position of our nation's industries in the world economy.

Finally, a brand new and very important virtue has emerged during the course of last summer's hot spell, i.e., the superior generating efficiencies of some of the clean coal technologies will help to abate the greenhouse effect by producing less CO₂. Contrast this with acid rain emission reduction scenarios that actually will exacerbate the greenhouse effect by generating additional CO₂.

So, as you can see, the clean coal technologies program has an awful lot going for it. We hope that it will prove to be the centerpiece of the Bush Administration's approach to the acid rain issue. Unfortunately, if acid rain legislation were to be enacted, it is unlikely that the clean coal technologies pro-

gram could survive unless the compliance deadlines contained in any such legislation were extended well into the next century to give the new technologies a chance to mature.

However, even if the Phase II or final compliance deadlines were extended well beyond the year 2000, those utilities that would be severely impacted financially by the Phase I requirements such as AEP under the Mitchell-UMW proposal — would have to abandon their advanced technology efforts because all of their financial resources would have to be devoted to Phase I compliance.

Also, I might point out that only four years ago President Reagan and Prime Minister Mulroney of Canada each appointed special envoys to study and to recommend a program for dealing with the acid rain issue. After about one year of study, the joint envoys in 1986 recommended a \$5 billion program, split 50/50 between our federal government and American industry, to accelerate the development of clean coal technologies. They chose clean coal technologies development over a program of mandated emission reductions as the better way — and our nation is now far down the road in implementing that program. In fact, President Bush recently insisted that the schedule originally agreed to with the Canadians will be met.

It is not clear to me exactly what has happened, but now that the clean coal technologies program — recommended by the joint envoys in preference to mandated emission reductions — is in the process of being fully implemented on schedule, our Canadian friends seem to have upped the ante on us. They seem to be saying that in addition to the program to which they earlier agreed, they now also want mandated emissions reductions and on a very grand scale. Surprisingly, I don't hear anyone raising that as an issue.

In conclusion, we continue to oppose acid rain legislation for that best and most powerful of all reasons — we believe that it is wrong. If, despite our opposition, acid rain legislation is enacted, we will use our best efforts to see to it that such legislation is moderate in nature and that it imposes the least cost upon the economy of our service area. Our hope is that any such legislation would be based upon the clean coal technologies program. □

Promotions

Pauline P. Kiser, equipment operator A, was promoted to unit supervisor at Clinch River Plant on December 1.

Wayne T. Sink, electrical test supervisor, was promoted to station supervising engineer, GOT&D Station, Roanoke, on March 1. He attended Virginia Western Community College and graduated from Virginia Polytechnic Institute & State University with a bachelor of science degree in electrical engineering.

Mohammed Ahangardezfooli, Charleston electrical engineer senior, was promoted to Montgomery area supervisor on March 1. He holds a bachelor of science degree in electrical engineering from the West Virginia Institute of Technology.

Alexis G. Jones, electrical engineer senior, was promoted to engineering supervising engineer in Roanoke on February 1. He holds a bachelor of science degree in electrical engineering from the University of Virginia.

Clifton E. Gordon, performance engineer senior, was promoted to plant engineer at Philip Sporn Plant on March 1. He holds a bachelor of science degree in mechanical engineering from North Carolina University.

Robert Eugene Morrison, engineering technician senior, was promoted to right of way agent in Huntington on March 1.

Benjamin G. Flurie, performance engineer, was promoted to performance engineer senior at Glen Lyn Plant on April 1. He holds a bachelor of science degree in mechanical engineering from Virginia Polytechnic Institute & State University and is a registered professional engineer in Virginia.

Ted Aaron, electrical engineer, was promoted to electrical engineer senior in Pulaski on April 1. He holds an associate in science degree in business administration from New River Community College and a bachelor of science degree in electrical engineering from Tennessee Technological University. He is a registered professional engineer in Virginia.

James Edward Johnson, station crew supervisor nonexempt, was promoted to station crew supervisor exempt in Huntington on February 1. He studied industrial electronics through Huntington East Trade School.



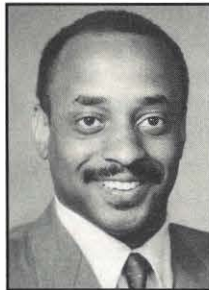
Kiser



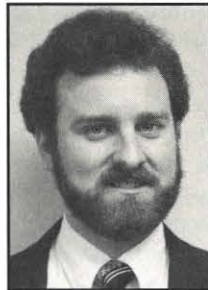
Sink



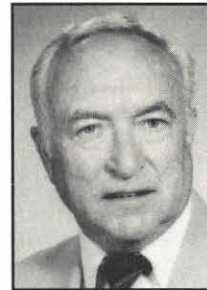
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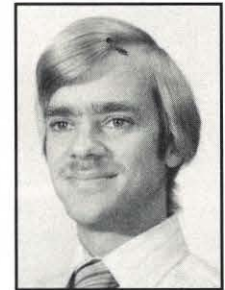
Jones



Gordon



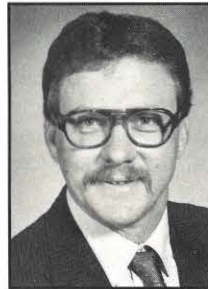
Morrison



Flurie



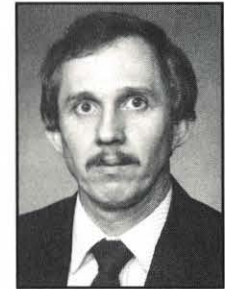
Aaron



Johnson



Whitaker



Canode

Robert J. Whitaker, electrical engineer, was promoted to station construction supervisor, GOT&D Station, Roanoke, on March 1. He holds a bachelor of science degree in electrical engineering from Pennsylvania State University.

Samuel G. Canode, transformer supervising engineer, was promoted to station supervising engineer, GOT&D Station, Roanoke, on March 1. He holds a bachelor of science degree in electrical engineering from Virginia Polytechnic Institute & State University.

Bluefield

Donald Walker from line mechanic D to line mechanic C, Welch.

David Hill from engineering technician to engineer, Pineville.

Central Machine Shop

Frank Johns from machinist 2nd class to machinist 1st class.

Jackie Adkins from NDE examination inspector 3rd class to NDE examination inspector 2nd class.

Clinch River

Billy Breeding from maintenance mechanic B to maintenance mechanic A.

Ralph Huffman from utility coal attendant to coal equipment operator.

Robert McComas from coal handler to utility coal attendant.

Larry Cantrell from utility worker A to coal handler.

General Office

Kirbie Hunley from transmission mechanic D to transmission mechanic C, GO T&D Transmission, Huntington.

John Dalton from hydro mechanic C to hydro mechanic B, GO Hydro, Smith Mountain.

Johnny Quarles from transmission mechanic C to hydro mechanic B, GO Hydro, Smith Mountain.

Kenneth Norman from transmission mechanic B to transmission mechanic A, GO T&D Transmission, Roanoke.

Dana Casto from station operator C to station operator B, GO Operations, Turner.

Paul Pennino from associate staff accountant to staff accountant, GO Accounting, Roanoke.

Glen Lyn

Norman Hollie from maintenance mechanic D to maintenance mechanic C.

Mark Repass from braker to coal equipment operator.

Nathan Shrader from coal sampler to braker.

Robert Gautier from coal handler to coal sampler.

Huntington

Jerry White from line mechanic C to line mechanic B, Ripley.

Kanawha River

Alan Snodgrass from utility worker to maintenance mechanic D.

Doug Barker from utility worker to maintenance mechanic D.

Mike Petry from utility worker to maintenance mechanic D.

Lorenzo Sandoro from utility worker to maintenance mechanic D.

O. E. Lewis from utility worker to maintenance mechanic D.

Louis Prete from utility worker to maintenance mechanic D.

Steve Crist from utility worker to maintenance mechanic D.

David White from utility worker to maintenance mechanic D.

Robert Sparkman from maintenance mechanic C to maintenance mechanic A.

Tim Tench from maintenance mechanic C to maintenance mechanic A.

Greg Payne from maintenance mechanic C to maintenance mechanic A.

J. R. Siders from maintenance mechanic C to maintenance mechanic A.

Betty Riddle from junior clerk to plant clerk C.

Roanoke

James Warren from station mechanic D to station mechanic C, Fieldale.

Jerry Riddleberger from line mechanic D to line mechanic C.

Perry Ratliff from line mechanic D to line mechanic C.

Philip Sporn

Charles Hoffman from equipment operator C to equipment operator B.

Mark MacKnight from utility worker A to equipment operator C.

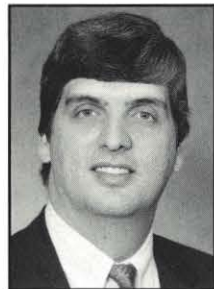
Mark Gillilan from maintenance mechanic B to maintenance mechanic A.

Buddy Peaytt from maintenance mechanic B to maintenance mechanic A.

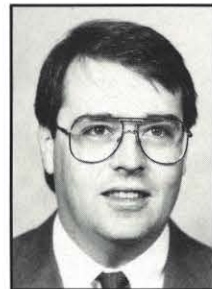
Jill LaValley from human resources clerk B to human resources clerk A.

Robert Rowen from stores attendant to stores attendant senior. □

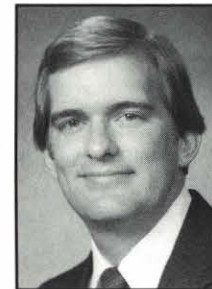
Three APCo men earn PE status



Burlison



Aaron



Snead

Three Appalachian Power employees have successfully passed the examination to become registered professional engineers in the Commonwealth of Virginia. They are Steve Burlison, electrical engineer senior, GO T&D Engineering, Roanoke; Ted Aaron, electrical engineer senior, Pulaski; and Jim Snead, electrical engineer, Bluefield.

Burlison holds a degree in electrical engineering from Tennessee Technological University. He joined Appalachian in 1982 as an electrical engineer in Pulaski and was promoted to his present position in 1988.

Aaron holds an associate in science

degree in business administration from New River Community College and a bachelor of science degree in electrical engineering from Tennessee Technological University. He was employed in 1980 as a commercial engineer in Pulaski and became an electrical engineer in 1983. He was promoted to his present position on April 1.

Snead holds an associate of science degree in engineering from Southwest Community College and a bachelor of science degree in electrical engineering from Virginia Polytechnic Institute & State University. He began his career with Appalachian in 1982. □

Newcomers

Abingdon

Theresa Hankey, parttime junior clerk.

Beckley

Leon Lilly, line mechanic D.

Dana Sheets, drafter C.

Central Machine Shop

Eugene Strickland, machinist 3rd class.

Kenneth Thomas, winder 3rd class.

James Imel, winder 3rd class.

Charleston

Debra Mathes, junior clerk.

Betty Hamilton, junior clerk.

Clinch River

Robert White, utility worker B.

General Office

James Mills, custodian, GO General Services, Roanoke.

Earnest King, custodian, GO General Services, Roanoke.

Diane Sanders, centralized cash operator junior, GO Accounting, Roanoke.

Charles Matyac, engineering technician senior, GO T&D Civil Engineering, Roanoke.

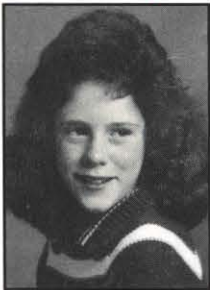
Huntington

Violet Barr, parttime custodian, Ripley.

Darlene Gilmer, junior clerk. □

Who's News

Beckley



Jennifer, daughter of Oak Hill Meter Reader Dave Reeves, was inducted into the National Honor Society at Collins Middle School, where she is a seventh grader.

Rob Londeree, son of Bob Dyke, Oak Hill area servicer, was selected as "sportsman of the week" by the *Fayette Tribune*. Rob, a senior center for the Fayetteville High School basketball team, received the honor after scoring 19 and 14 points in his team's two games the week of January 12.



Kim, daughter of Walter Leach, line mechanic A, was crowned Miss Afro 1989 at Woodrow Wilson High School. The coronation ceremony was held on February 10 at halftime of the Woodrow Wilson-

Logan basketball game. Kim, a senior, is an honor student and a member of the Rap Club and Debutante Society. She is listed in *Who's Who Among Students in American High Schools* and is a member of the girls' basketball and track teams. Kim also was honored as an outstanding high school student.

A. J., son of Oak Hill Meter Reader Susie Hall, was named to the All Tournament Team of the Raleigh County Elementary Schools Basketball Tournament. A. J. also was chosen as a gifted exchange student, entitling him to visit Mabscott Grade School for a day. He has the highest overall average (3.88) in his class. □

Abingdon

New officers of the Abingdon Employees Club are: **Tony Adkins**, president; **Don Frye**, vice president; **Sharon Gobble**, secretary; and **Debbie Belisle** (service center) and **Linda Kegley** (Main Street office), treasurers.

Lyn, daughter of Doug Brown, Lebanon line crew supervisor NE, was a member of the Lebanon High School junior varsity volleyball team which won the Southwest District and the tournament championships.

Several employees have been installed as officers in Washington County fraternal organizations. They are: **Jim Hill**, drafter B, secretary of the Desert Sands Shrine Club; **Jim Roseberry**, retired area supervisor, left supporter to noble grand of the McCabe Lodge No. 56, I.O.O.F.; and **Don Frye**, stores attendant A, steward of Abingdon Masonic Lodge No. 48.

Cindy, daughter of Berkley Burkett, Marion meter reader, was named to the All-Old Dominion Athletic Conference squad. She recently scored the 1000th point of her college basketball career.

Don Frye, stores attendant A, is vice president of the Abingdon Little League.

Pete Montague, division manager, was elected a trustee of Forward Southwest Virginia, Inc., a corporation that promotes the civic interests of the southwest region of Virginia.

Jackie, daughter of Hunter Thayer, general line crew supervisor, was chosen as "student of the month" at Abingdon High School. Her school activities include basketball, volleyball, Fellowship of Christian Athletes, Civinettes, Key Club sweetheart, senior class officer, and homecoming queen.

Jim Cumbow, line construction and maintenance representative, is serving as bi-vocational pastor of the North Fork Baptist Church. □

Charleston

Eric Beane, St. Albans line mechanic C, won a skiing trip to Winterplace. The contest was sponsored by FM 102 Radio and Conley's Ski Shop.

Jim Hash, meter reader, won the NASTAR silver skiing medal in the men's open division race at Steamboat Springs, Colorado. **Eric Beane** received a bronze medal in the event.

Charles McDaniel, Montgomery line mechanic C, was named treasurer of the London First Baptist Church.

Mattie Day, meter clerk C, was named finance secretary of the London First Baptist Church.

Amber, daughter of Cliff Wolfe, supervising drafter A, was elected mascot to the Western Generals Little League basketball cheerleading squad. □

Kanawha River



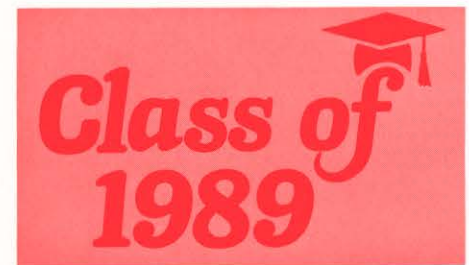
Melissa, daughter of Rose Baisi, filter plant operator and sampler, received an award for her project, "Why Do We Disinfect Drinking Water", in the Pratt Elementary School Science Fair. She is eligible

for regional competition in Charleston.

Tracy, daughter of Audra Pauley, secretary, was named an All-Conference cheerleader for WVIAC. She is a freshman at the University of Charleston. □

Philip Sporn

Adrian, son of David Rutherford, maintenance mechanic B, won the eighth grade spelling bee at Point Pleasant Junior High. □



Rebecca Adams, wife of Bruce Adams, Mountaineer Plant stores attendant, graduated from the Buckeye Hills Career Center, Rio Grande, Ohio. She was valedictorian

of the 1989 nursing assistant class. □

Huntington

Shelly, daughter of Ray Ridgeway, meter reader, was promoted to production assistant at WCVB-TV in Boston. She will work on the station's monthly news magazine and other special station projects.



Dr. Jane Fotos, associate professor of nursing at Marshall University, has been selected as a test item writer by the National Council of State Boards of Nursing. She participated in the item writing

contest for the National Council's Licensure Examinations for Registered Nurses (NCLEX-RN) in Monterey, California, where she worked with other nurses from throughout the United States developing the test questions. The NCLEX-RN is administered by all state boards to determine licensure for nurses. Jane is the wife of Mike Fotos, Jr., division superintendent.



Nicole, daughter of Dallas Finley, Milton engineering technician, was chosen as "student of the month" at Hurricane Town Elementary School. A first grader, Nicole was chosen for her "best speller"

achievement. □

Pulaski

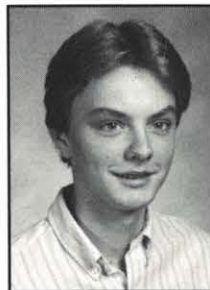
Lee, son of Buddy Smith, line construction and maintenance representative, has been promoted by UPS. He will transfer to London, England, as Lower Than Europe area manager.

Three children of employees were winners in the Jaycees Dribble and Shoot Competition. **Wesley**, son of Porky Osborne, Christiansburg line mechanic A, won the eight- and nine-year-old division. Porky's son, **Jimmy**, placed third among the 12- and 13-year-olds. **Ryan**, son of Harry Hubble, Christiansburg meter reader, was the winner among 10- and 11-year-olds.

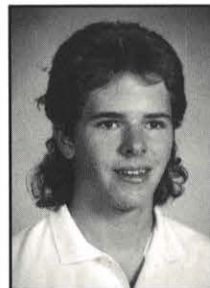
Tommy, son of Roy Powers, station mechanic A, won a first place ribbon for his self portrait entry in Pulaski Middle School's art contest.

SFC Jim Lane (line construction and maintenance representative) was recognized for his marksmanship in the First U. S. Army Reserve Components Small Arms championship at Quantico Marine Base. Among 58 individual competitors, Jim placed first in the 300 yards rapid fire combat rifle competition, second in short range aggregate, and second in 400 yards slow fire prone. In individual grand aggregate (overall score), he placed second with a score of 571 and 17V (bull's-eyes). In team competition, Jim's team placed second in the combat infantry team match, third in precision combat team match, and second in team grand aggregate. □

General Office



Todd, son of Jim Fariss, hydro operations superintendent, GO Hydro, Roanoke, was selected to play trombone in the District VI All-Regional Concert Band.



Mark, Jr., son of Mark Swart, hydro mechanic A, GO Hydro, Leesville, was selected to play trombone in the District VI All-Regional Symphonic Band.

Ben, son of Tom Puckett, senior buyer, GO Purchasing & Stores, Roanoke, won the AA-1989 Seminole District, 152 lb. class wrestling tournament and placed second in the Regional Three Tournament. A senior at Liberty High School, Ben also participated in the AA-state wrestling tournament at James Madison University.

Don Johnson, information services manager, GO Public Affairs, Roanoke, has become an accredited member of the Public Relations Society of America.

He successfully completed a comprehensive examination administered by the Society.

Jackie Scruggs, human resources assistant, GO Human Resources, Roanoke, judged the "Keyboarding Applications Advanced Event" for the Virginia Tech Region, Future Business Leaders of America.



Anne Bates, inserter operator and office supply clerk, GO General Services, Roanoke, was elected president of the Roanoke Valley Ski Club for 1989-90.

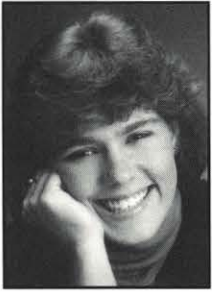
Hubert Shabdue, retired economic development consultant, GO Executive, Charleston, was named chairman of the Thomas Memorial Hospital board of trustees.



Vanessa, left, and Lloyd VanHoose, II

Vanessa and Lloyd, II, children of Lloyd VanHoose, station mechanic D, GO T&D Station, Kenova, were winners in the Little Miss and Master Sweetheart Pageant sponsored by the Raceland, Kentucky, Fire Department. Vanessa won first place in the 2- and 3-year-old category, and Lloyd won first place in the 4- and 5-year-old category. □

Roanoke



Patra, daughter of Kim Wright, drafter B, participated in the Distributive Education Club of America's district competition. She won first place in the categories of restaurant marketing and manage-

ment-supervisory level and restaurant marketing-full service-overall. A senior at Patrick Henry High School, she also entered state competition in Richmond last month.

Kelly Switzer won first place in the human behavior category at the Breckinridge Junior High School Science Fair. At the mid-year awards program, she was presented certificates for superior work in physical science and academic excellence. An eighth grader, Kelly was chosen to participate in the Regional Odyssey of the Minds held at Virginia Tech last month. She is the daughter of Donna Switzer, secretary-stenographer B, and Ronald Switzer, line crew supervisor NE. □

Lynchburg

Larry Rakes, marketing and customer services supervisor, was selected to participate in "Leadership Lynchburg Thirteen." Sponsored annually by the Greater Lynchburg Chamber of Commerce, the ten-week seminar reviews issues concerning Central Virginia.

J. Robert Davenport, division manager, was elected acting board chairman of Centra Health. He has served on the predecessor board of Virginia Baptist Hospital since 1980.

Grady Parker, line and station superintendent, and Dick Shepard, customer accounts supervisor, will represent Appalachian Power Company in "Project Business." Sponsored by Junior Achievement, Project Business is an in-school supplemental economics curriculum for seventh, eighth, and ninth grade students. Volunteer business consultants discuss seven topics during 12 or more visits to the classroom. □

Straley earns Eagle Scout Award



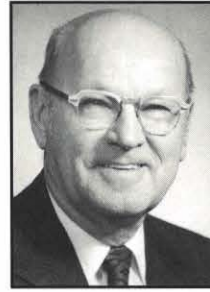
Straley

John David Straley has earned the rank of Eagle, Scouting's highest honor. He is the son of David Straley, Huntington meter electrician A.

John received the award at a court of honor held by Boy Scout Troop 48 of Kenova, West Virginia.

John, a Brotherhood member of the Order of the Arrow, earned 33 merit badges. He has served as senior patrol leader. His accomplishments include the 31-mile Kanawha Trace hike (three times), 20-mile Adahi hike; 16-mile Vesuvius Trial; and 12-mile Wright Patterson Memorial Trial. For his Eagle project, John constructed two forest fire signs, one in Kenova and the other at Hal Greer Boulevard in Huntington near Exit 11 on I-64. □

Bluefield



Dick Ruff, retired power engineer senior, is serving as president of the Welch Chamber of Commerce. Active in the Welch Lions Club, he is a past international director. □

Hunters

General Office

Dean Price, land management supervisor, GO Land Management, Roanoke, 17 lb. turkey gobbler.

Roanoke

Frank Frango, storeroom supervisor, spike buck.

Nathan Tester, storeroom attendant B, 8-point buck.

Bob Jones, storeroom attendant A, 145 lb., 7-point buck; 120 lb. 5-point buck; and 19 lb. citation bluefish. □

Time to submit info on graduates

It's time to submit information on graduates for the July issue of the *Illuminator*.

Employees, spouses, or children who will graduate this spring from high school, college, or technical school will be recognized.

Forms for reporting graduate information are available from the *Illuminator* associate editor in each location. The completed form and a photo of the graduate must be received in the *Illuminator* office by May 19 in order to be included. All photos will be returned following publication. □

Weddings

Cunningham-Haden



Sharon Sue Haden to R. Lonnie Cunningham, Abingdon line mechanic C, December 31.

Woody-Campbell



Edmund W. Woody, retired executive assistant, GO Executive, Roanoke, to Marie Ward Campbell, February 25.

Jividen-Maxey



Mary Susan Maxey to Barry Allen Jividen, February 14. Mary is the daughter of June Maxey, maintenance mechanic C, Philip Sporn Plant.

Thrasher-Browning



Rebecca Jeanne Browning to Steve F. Thrasher, human resources assistant, GO Human Resources, Roanoke, February 18.

Thomason-Osborne

Dena Michelle Osborne to Carl Scott Thomason, November 26. Dena is the daughter of Denver Osborne, Abingdon line mechanic C.

Perry-Halstead

Sheila Ann Halstead to Larry Dean Perry, January 27. Larry is the son of Eugene Perry, production supervisor, Central Machine Shop. □

Births

John Amos

Brenda Jean, daughter of Edward Nester, utility worker (LTD), February 17.

Beckley

Kacie Danielle, daughter of Teresa Wills, customer accounts representative C, February 10.

Bluefield

Stacey Danielle, daughter of Doug Raines, Grundy line mechanic A, February 25.

General Office

Jared Ryan, son of George Murphy IV, marketing and customer services associate, GO Marketing and Customer Services, Roanoke, February 17.

Troy Andrew, son of Jane Huff, classification and accounts payable clerk B, GO Accounting, Roanoke, February 12.

Glen Lyn

Nathan Thomas, son of Frank Tanner, Jr., performance engineer, February 5.

Huntington

Kellen Rebecca, daughter of Donna Watson, Point Pleasant marketing and customer services representative, March 2.

Kanawha River

Abigail Grace, daughter of Ed Shelton, performance supervising engineer, February 20.

Lynchburg

Jonathan Alexander, son of Jackie Giles, line mechanic A, February 16.

Mountaineer

George Lucas Ray, son of George Gill, head custodian, March 1.

Pulaski

Jenna Rae, daughter of Don Woolwine, Christiansburg line crew supervisor NE, February 24.

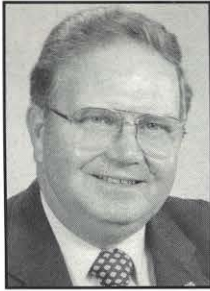
Roanoke

Samantha Blair, daughter of Steven Mullen, line mechanic B, February 10. □

Service Anniversaries



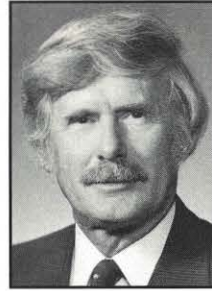
Dan Janosko
civil engineer sr.
GO-Roanoke
40 years



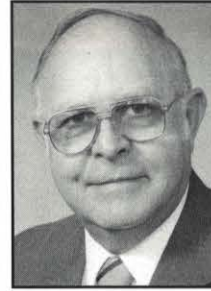
Don Landreth
eng. tech. supv.
Abingdon
40 years



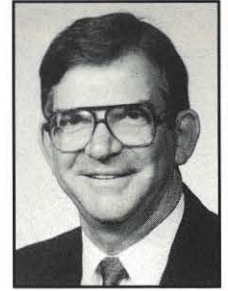
Eli Wooten
relay specialist sr.
GO-Marmet
35 years



Jim Berg
accounting manager
GO-Roanoke
35 years



Paul Dalton
garage supervisor
Bluefield
30 years



Bob Kilgore
division manager
Beckley
30 years



Woodrow McClung
maintenance supv.
Kanawha River
35 years



Judy Caldwell
R/e & R/w spec. clk.
GO-Roanoke
25 years



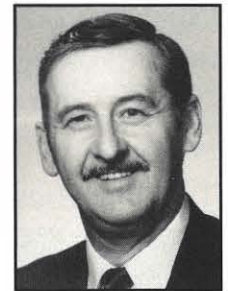
Nowlin Maddox
line mechanic A
Lynchburg
25 years



Aubrey Powell
station drafter A
GO-Roanoke
20 years



Ona Willard
hum. res. clk. A
John Amos
20 years



David Brooks
prod. supt.-yard
John Amos
20 years



Robert Trent
eng. technologist
Abingdon
20 years



Pee Wee McLaughlin
general servicer
Pineville
20 years



Guy Ferguson
elec. test spec.
GO-Roanoke
20 years



Bob Chafin
line mechanic A
Charleston
20 years



Preston Hall
unit supervisor
John Amos
20 years



John Kaneday
stores supervisor
John Amos
20 years



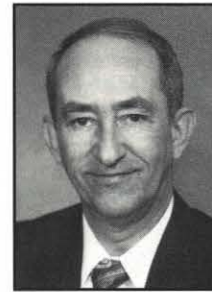
Irene Goff
plt. staff acct. jr.
John Amos
20 years



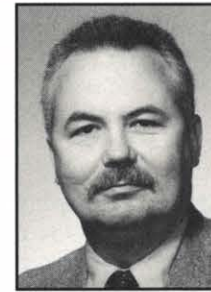
Spencer Oxford
automotive mech. A
Welch
20 years



Robert Waid
R/w agent sr.
GO-Roanoke
20 years



Rodney Black
tax acctg. spec. clk.
GO-Roanoke
20 years



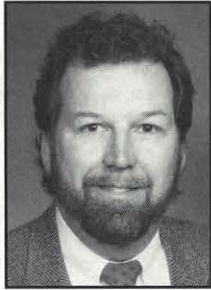
Joe Haynes
public affairs coord.
John Amos
20 years



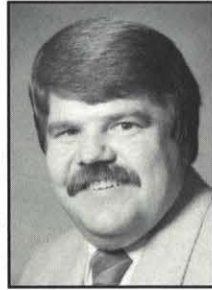
George Higginbotham
unit supervisor
Glen Lyn
20 years



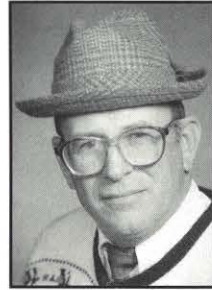
Wayne Sink
sta. supv. eng.
GO-Roanoke
20 years



Larry Hubbard
op. draft. supv.
GO-Roanoke
20 years



Jackie Bundy
trans. special clk.
GO-Bluefield
20 years



Jack Sudderth
elec. test spec.
GO-Bluefield
20 years



Arlie Siers
trans. mech. A
GO-Roanoke
20 years



Louis Woodward
general servicer
Fieldale
20 years

Abingdon

10 years: **Randall Fields**, line crew supervisor NE, Lebanon.

John Amos

15 years: **Evert Chapman**, units supervisor. **Claude Breeding**, assistant yard superintendent. **Richard Miller, Jr.**, coal equipment operator. **Garrett Keith Chapman**, coal equipment operator. 10 years: **John Sutphin, Jr.**, maintenance mechanic A. **Jeffrey Huffman**, equipment operator B. **Jerry Jeffers**, equipment operator B. **John Hall**, control technician senior. **Edward Bennett, III**, coal equipment operator. **James Poindexter**, coal equipment operator. 5 years: **Paul Gunnoe**, maintenance mechanic C. **Terry Jarrett**, maintenance mechanic C. **Robert Revels**, maintenance mechanic C.

Bluefield

10 years: **Jerry Blessing**, station mechanic A.

Central Machine Shop

15 years: **Lewis Wood**, production superintendent. **Mike Johnston**, stores attendant senior. **Dave Arthur**, machinist 1st class. 10 years: **Joe Stewart**, power equipment mechanic 1st class. **Olin Blain**, power equipment mechanic 2nd class. **Don Romaca**, power equipment mechanic 2nd class.

Centralized Plant Maintenance

15 years: **C. E. Cook**, maintenance supervisor. 10 years: **R. D. Adams**, maintenance mechanic B. **J. D. Loftis**, maintenance mechanic B. **J. E. Lyons**, maintenance mechanic A. **R. L. Wagner**, maintenance mechanic A.

Charleston

10 years: **Latachia Lewis**, T & D clerk B. **Tom Duttine**, line mechanic B. 5 years: **Keith Shaffer**, station mechanic C.

Clinch River

10 years: **Pauline Kiser**, unit supervisor.

Glen Lyn

10 years: **Jackie Moore**, maintenance mechanic B. **Roger McCroskey**, equipment operator B. 5 years: **Randy Wall**, equipment operator B. **Mark Repass**, brakel. **Gregory Lee**, maintenance me-

chanic C. **Jerry Worrell**, brakel. **Danny Richardson**, equipment operator B.

Huntington

15 years: **Ron White**, station mechanic B.

Kanawha River

15 years: **Gloria Rhem**, plant clerk A.

Logan-Williamson

10 years: **James Siggers**, custodian, Williamson. **Gary Kouben**, engineering technician, Williamson.

Roanoke

10 years: **David Keith**, engineering technician. 5 years: **Felix Vasser**, reservoir groundskeeper.

Philip Sporn

15 years: **Ed Neutzling**, maintenance mechanic A. **Fred Werry**, maintenance supervisor. **John Tompkins**, maintenance supervisor. **Roger Sharp**, maintenance mechanic A. 10 years: **Kevin Walker**, senior chemist. 5 years: **Rusty Saunders**, maintenance engineer. □

Friends We'll Miss



Trout



Kees



Jones

David E. Trout, 68, retired compensation and benefits manager, GO Human Resources, Roanoke, died February 15. A native of Vinton, Virginia, he was employed in 1941 as a clerk in Roanoke and retired in 1986. Trout is survived by his wife Ellen, 1825 Elbert Drive, Roanoke, VA; one son, two daughters, and five grandchildren.

Earl S. Kees, 79, retired master maintenance man at Clinch River Plant, died March 3. A native of Burnwell, West Virginia, he was employed in 1943 as a laborer at Cabin Creek Plant and retired in 1972. Kees is survived by his

wife **Laura Belle**, 4014 Heatherington Drive, Orlando, Florida, and one son.

Wendell B. "Deacon" Jones, 93, retired Kingsport dealer sales representative, died February 25. A native of Hopkins County, Kentucky, he began his career in 1929 as a clerk for Kentucky Power at Ashland and retired in 1960. Jones is survived by one son, two daughters, ten grandchildren, and three great-grandchildren. □

Renovated Smith Mountain Visitors Center reopens

Appalachian Power Company reopened its visitors center overlooking Smith Mountain Dam on March 3, following a brief ceremony attended by representatives of area governments, businesses, and lake organizations. The center had been closed for renovations since September.

One of the most popular attractions on Smith Mountain Lake, the Center has attracted more than a million people from around the world since it first opened in May 1967.

Some existing exhibits in the center were updated and new ones added to provide a colorful, exciting, action-packed science adventure for all age groups. Visitors can learn about the project's electricity-related benefits as well as its positive impact on flood control, recreation, and the natural environment.

A multi-projector presentation in the center's mini-theatre uses color slides made during construction of the two dams to show how the project came to life. There's also a gigantic wall mural showing how Smith Mountain Gap looked before construction began.

A working model of the Smith Mountain and Leesville Dams provides a graphic explanation of the pumped storage principle.

A topographic model of both the Smith Mountain and Leesville Lakes, built to scale, shows the area as it appears from an airplane flying overhead at 25,000 feet.

A computer display demonstrates the



Smith Mountain Lake Policy Advisory Board Chairman Dale Whiteis, left, and Appalachian Power President John W. Vaughan cut the ribbon to reopen the Smith Mountain Visitors Center.

role of the Smith Mountain Project in generating "power on demand." Visitors can imagine themselves as operators in the power company's control center, making the choices necessary to supply power the instant it's needed.

By spinning a zoetrope, visitors can watch how Appalachian uses nature's water cycle to generate electricity.

A ramp leads from the center to an overlook area for a spectacular view of the Smith Mountain Dam and gorge.

In the overlook area is a 500-ton move-

able cable anchor, or "dead man" as construction workers called it, which helped deliver and position the many hundreds of tons of freshly mixed concrete when the dam was being built.

The visitors center is open to the public year-round, and there is no admission charge. Operating hours are 10 a.m. to 6 p.m. daily, except for New Year's Day, President's Day, Thanksgiving and Christmas. A picnic area near the base of the dam has shelters, tables, charcoal grills, and comfort stations. □

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