

It is what we learn after  
we know it all that counts.  
(Unknown)

# The Illuminator

Life is not so short but that  
there is time for courtesy.  
(Emerson)

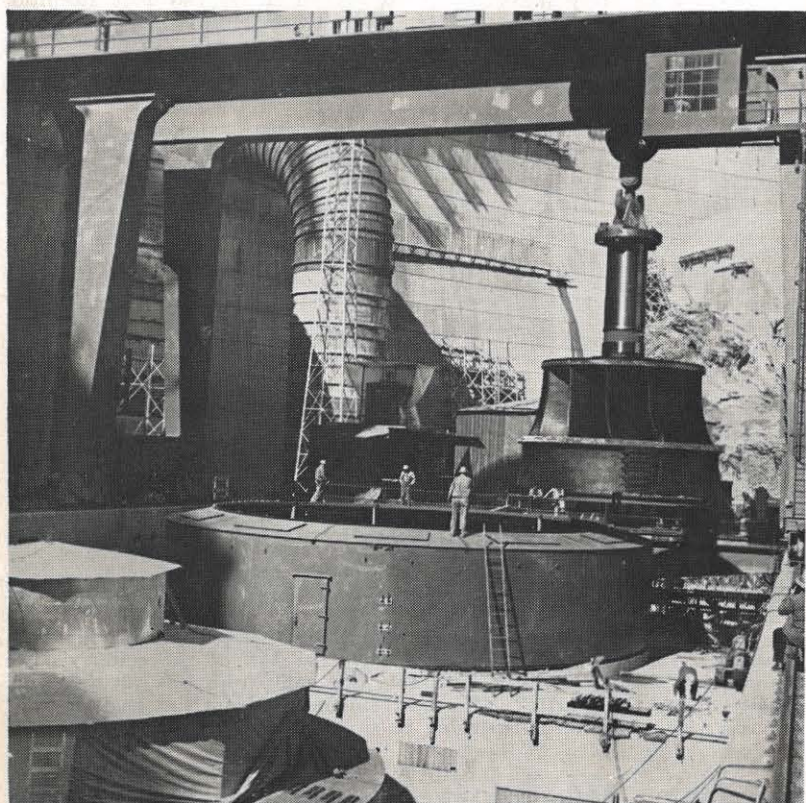
KENTUCKY POWER COMPANY

APPALACHIAN POWER COMPANY  
OF THE AMERICAN ELECTRIC POWER SYSTEM

KINGSPORT POWER COMPANY

Vol. XV, No. 7

April 1964



Slowly and with care the 200-ton water wheel for Smith Mountain Dam's No. 2 Unit is lowered into place. The force of the falling water will spin the huge cast steel blades of the wheel, and start the generating process.

## Big Water Wheel Set In Dam's Second Unit

The second of four water wheels has been installed in Smith Mountain Dam, as the huge lake created by the structure continues to form.

Workmen last month put in place the 200-ton water wheel in No. 2 unit, 200 tons of cast steel and bronze, as the major part of that unit's turbine. Work on the generator continues.

In operation the water wheel will be turned at 100 revolutions per minute by the force of water falling through the penstock. The shaft part of the wheel is connected to the generator, which produces electricity.

### Four Units

The dam will have four units initially, with provision for a fifth. The turbine installation in No. 1 is virtually completed, and the rotor part of the generator is the next major piece of machinery scheduled to be installed. The spiral casing for Unit 4 is being imbedded at the present time, and Unit 5 is being readied for turbine work.

Units 1 and 5 are the pumpback units. The turbines are reversible, and will pump water back into the upper reservoir to be used again to produce power.

As construction continues, Smith Mountain lake was 137 feet deep at the dam, and had backed up the Roanoke River to a point about five miles below Hardy Ford bridge.

### Building

Meanwhile, as the lake begins to fill and spring arrives, home builders are starting to work. From the first, one of the development's by-products was the boom in summer and year-round housing. With the coming of warm weather, piles of brick and lumber have begun to appear on subdivision lots, and boat docks have begun to stretch long fingers into the water.

In the still-filling Smith Mountain Lake, these docks, high out of the water, have an ungainly and awkward look about them, but hold high promise of good sport next year.



Just a few days before the old Halesford bridge across Roanoke River disappeared forever under the rising waters of Smith Mountain Lake, Gene Spitzer, cost accountant on the project and *Illuminator* correspondent, made this picture from a helicopter. The new span is in the foreground.

## Billion Dollar Expansion Program Planned By AEP

The American Electric Power System plans to make a capital investment of \$1-billion for expansion of its electric facilities during the next seven years.

Announcement of the unprecedented construction and modernization program for the next seven years period was made by President Donald C. Cook in a White House meeting with President Lyndon B. Johnson on March 20.

The program calls for an estimated 5-million kilowatts of new generating capacity, as well as the necessary accompanying transmission and distribution facilities to deliver this additional block of power to load centers and customers.

In his announcement, President Cook attributed the \$1-billion program to two principal factors: "the greater use of electric power by our customers" and "confidence in today's favorable business climate and the economy of our country, enhanced by the recent Federal income tax cut."

He estimated that expenditures of \$1-billion over the next seven years represent an increase of about 15% over the amount that would have been invested for capital improvements had Congress not enacted legislation reducing Federal income taxes.

Mr. Cook emphasized that the investment for each of the System's six operating companies was based upon the expected growth in customer use of electric power in the various areas, and particularly growth in industrial requirements for power.

**Total Now \$4,000**

## More Funds Available For "Operating Ideas"

Funds available for annual prizes for the year's most outstanding contributions to *AEP Operating Ideas* have been increased to \$4,000. Announcement of the increase was made last month by President Donald C. Cook.

It was the second increase in annual prizes in the past five years. As a comparison, total annual prize money awarded by the judges during the past five years has ranged from \$1,150 to \$2,000.

In the new annual prize program, a maximum of \$2,500 has been earmarked for the best contributions from employees of the AEP System operating companies and a maximum of \$1,500 for those from AEP Service Corporation employees.

Morley G. Melden, *Operating Ideas* editor, emphasized that the number and amount of annual prizes will be more flexible than in the past. Prize awards will be determined at the discretion of the judges, who will base their judgment solely upon the significance of the prize winning contribution.

### Monthly Awards

He explained that the annual prizes would be in addition to

### Last Call

The AEP Service Corporation has issued a last call for reservations from those who would like to take the round-trip charter flight to Europe this summer. The airline requires a substantial down payment by April 27, and so far the flight is far from being sold out. So if you'd like to go, check with your personnel supervisor and get your application (and your deposit) on the way as soon as possible.



President Lyndon Johnson hears about American Electric Power System's plans to spend a billion dollars in seven years from Donald C. Cook.

### Expenditure Breakdown

A preliminary breakdown of construction expenditures by AEP System operating companies, has been estimated as follows:

Appalachian Power Company.....	\$330,000,000
Virginia portion.....	\$180,000,000
West Virginia portion.....	150,000,000
Indiana & Michigan Electric Company.....	260,000,000
Kentucky Power Company.....	50,000,000
Kingsport Power Company.....	6,000,000
Ohio Power Company.....	340,000,000
Wheeling Electric Company.....	12,000,000

monthly awards made for each article accepted for publication. These prizes, \$50 for each article judged deserving of a "merit award" and \$25 for all other articles, remain unchanged. Only merit award articles are eligible for the annual prizes.

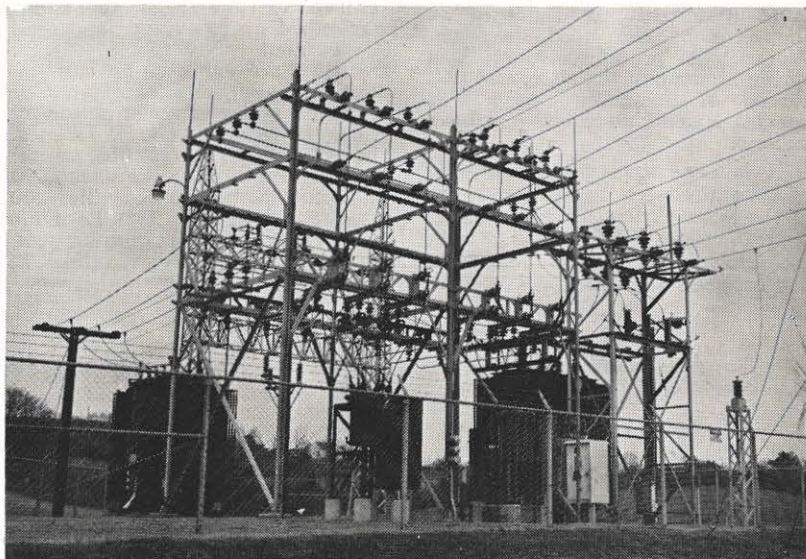
President Cook, in a signed article in the March issue of the AEP System-wide publication, wrote, "While there is no obligation to award the total amount of prize money available, I am hopeful that we will have an increasing flow of outstanding ideas that merit awarding the full \$4,000 each year."

Mr. Cook also said: "Annual

prizes are intended to recognize those contributions which are considered outstanding and deserving of special honors. Awards provide extra incentive to create new ideas and to encourage more initiative in sharing knowledge and experience with others around the System.

"One of the great strengths of our integrated System is the healthy competitive spirit of our people which stimulates improved performance among divisions, departments, and companies. I am sure that this has a continuing, beneficial effect on our growth, and *Operating Ideas* awards are meant to encourage this healthy competition."

### Station Increased



The capacity of Kingsport Power Company's Rotherwood station, above, has been increased from 7,500-kva to 15,000-kva to meet the rapid growth of the power requirements in the western portion of Kingsport and Hawkins county areas. The work, plus the associated new feeder lines, represents an investment of about \$250,000.



## The Illuminator

Published monthly for employees of Appalachian Power Company, Kentucky Power Company and Kingsport Power Company and their families. Articles herein may be reproduced.

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## Two Investments

This issue of THE ILLUMINATOR carries a number of stories about investments. On Page One is the story of the investment, over the next seven years, of a billion dollars for new facilities and equipment to keep our system strong, efficient, and competitive. In other places in the paper are stories about another kind of investment—not of steam and steel, but flesh and blood and brains of the boys and girls who, one day, might be running the company as their fathers and mothers are doing now.

The sports page is good one to look at first. Nearly a dozen boys are mentioned there. They're ball players, and most of them are all-county, or all district, or all-state something. There's a boy mentioned somewhere else whose painting won first prize in a major art show. There are stories about winners of history essay contests, and about winners in high school Science Fairs.

What does a science fair winner have in common with an all-everything basketball player or a prize-winning artist?

The thing they all have in common is an achievement in excellence. Each has submitted himself to a discipline that is unyielding in developing skills. You can no more loaf over an easel than on a football field if you want to be good at it. And all of these youngsters are good at what they're doing.

That's why this little catalog of their achievements is so refreshing. All of the efforts and skills of these youngsters are their investment in the future, as the expenditure of a billion dollars is AEP's. It seems to us that both investments are made for the same purpose—strength, efficiency, and success; and we are willing to bet they will both be profitable.

## Appalachian, State Plan Launching Sites On Lakes

Appalachian will join with the Virginia Commission of Game and Inland Fisheries to establish eight public boat-launching sites on the shores of Leesville and Smith Mountain Lakes.

The company will provide the land for the sites, ranging from four to nine acres, and the state will build and maintain facilities at the sites as the need develops. Work will probably start this spring at some of the sites, and will consist of launching ramps and parking space for vehicles and boat trailers.

It is expected that these sites will be used, as recreational use of the lakes expands in the coming years, by several organizations, including lifesaving squads from the counties surrounding the lake,

the Coast Guard, and the Coast Guard Auxiliary.

The sites are spotted around both lakes, and will be accessible by state-maintained roads.

In establishing the launching sites, Appalachian and the Commission worked together, with the counties involved, and with the Reservoirs Regional Planning Commission set up to evolve an overall development plan for the area. The sites are expected to complement facilities being considered or in various stages of construction by private investors on the lake shores. The two lakes total 600 miles: Smith Mountain Lake has 500 miles, 20,000 acres; Leesville, 100 miles, 3,400 acres. The Leesville Lake is nearly up to maximum pool, the upper lake began filling in September.

## Appalachian's 1963 Taxes Totaled \$27.2 Million

Appalachian tax payments last year to Federal, state, and local governments came to \$27,283,134. This figure was nearly 22 cents out of every operating revenue dollar, and worked out to \$53.96 per customer.

Our tax dollars covered a multitude of things. The biggest slice of the pie went to the Federal government in income taxes: \$13,969,604. Unemployment and old age excise taxes, gasoline excise taxes, and Federal use tax on highway motor vehicles, brought Appalachian's total Federal tax payments up to \$14,673,115.

In West Virginia, the tax payment was \$6,910,379. The bulk of it—\$3,149,686—was on real and personal

property, tangible and intangible. The state gross sales tax payment was \$2,823,287. Municipal franchise and license taxes took another \$627,190, state unemployment taxes \$154,713, and motor vehicle licenses, \$22,248. The remainder of the total tax payment went for a variety of other purposes.

Ten taxes in Virginia accounted for a total payment of \$5,605,522. The largest was real and personal property taxes of \$3,534,973, followed in size by the state franchise tax of \$1,841,989. Municipal franchise and license taxes came to \$89,757, state unemployment to \$37,996, and gasoline to \$32,459. The rest was spread out in smaller amounts.

### Second In A Series

## New Plan Liberalizes Medical Deductions

Another important modification that took effect January 1 in the AEP System Medical Insurance Plan concerns the familiar "deductible."

As you know, the medical plan is set up so that you, the insured, pay the first \$50 of your medical expenses (other than hospital room and board charges) in a calendar year. After you've paid that first \$50, the Plan picks up the tab for 80% of the remainder of the bills, up to \$7,500 in a year.

Why have a deductible in the first place?

Mainly because our Plan is comprehensive—it pays benefits both to those who are hospitalized and to those who aren't, while many other plans will not pay for any charges incurred outside of a hospital.

With the deductible taking care of the small medical expenses that the great majority of the insured can afford to cover themselves without much trouble, the Plan is able to concentrate on helping meet the really large hospital and at-home treatment bills that can undermine a family financially. If the deductible were withdrawn, the Plan's ability to meet these bills would be seriously impaired and the extent of its coverage would necessarily have to be reduced.

In the past, the \$50 deductible applied to each member of your family without exception. A family of four, for instance, had to go through four \$50 deductibles—a total of \$200—before the Plan began paying "from the first dollar" for any one member.

Now, however, that feature has been modified. Under the liberalization, there can be a limit of \$150 as a deductible for the entire family in a given year. This pertains when not more than \$50 for one person applies to the \$150 total.

For example, in a family of four, the \$150 deductible limit would be reached when each of three members of the family had incurred \$50 in allowable expenses.

OR, when one might have had \$50, a second, \$40, a third \$40 and a fourth, \$20. These amounts are only examples; they can vary.

Right here, it might be useful to list the different types of charges which the plan covers. Hospital room and board charges, as well as other in-hospital charges, are covered, of course. The plan also covers a multitude of other charges which it calls "Other Medical Expenses." Here they are:

Doctors' and surgeons' fees.  
Graduate nurses' fees in hospital and at home.

Hospital out-patient charges, except when emergency surgery

or treatment is performed.

Drugs requiring prescription  
Diagnostic X-ray and laboratory services.

Anesthesia and oxygen.

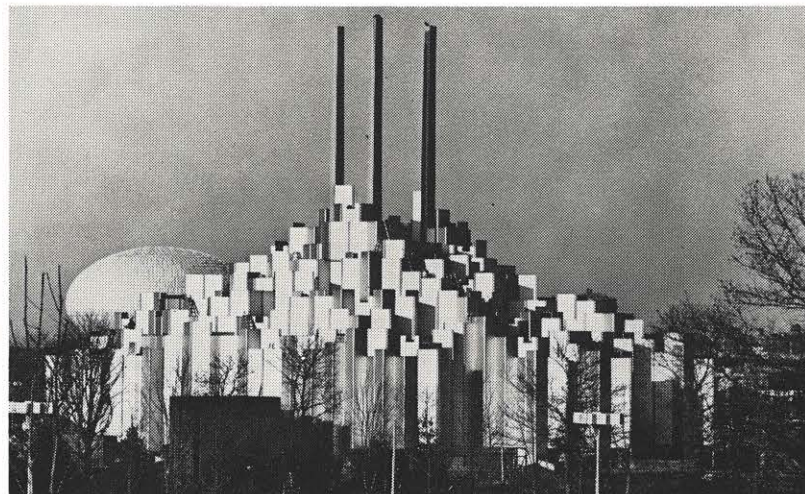
Rental of therapeutic equipment (such as a iron lung).

X-ray, radium and radioactive isotope therapy.

Artificial limbs and eyes.

Professional ambulance service when used to transport an individual from the place where injured or taken ill to the first hospital where treatment is given.

For hospital charges other than room and board (such as X-rays, lab fees, drugs, etc.).



This is the Tower of Light, which is nearing completion. Inside this pavilion at the New York World's Fair, some 140 of the country's investor-owned electric utilities, including our companies will put on "The Brightest Show on Earth." The light emanating from the pavilion will welcome visitors to the Fair during its two-year run.

## Tower Welcomes Fair Visitors

Light is the traditional symbol of welcome, whether it be the warm glow of a porch light or the blazing torch of the Statue of Liberty. What is billed as the greatest exposition of all time, the New York World's Fair, will welcome its expected 70-million visitors with the most brilliant, most spectacular light in history when it opens later this month.

It's the great 12-billion candlepower light, equal in brilliance to 50 fully-illuminated Yankee Stadiums, and it will rise from the pavilion sponsored by our companies and some 140 other investor-owned electric utility companies throughout the country.

The Tower of Light pavilion is one of the architectural triumphs of the fair. It consists of hundreds of aluminum prisms rising in staggered fashion from a reflecting pool to a height of 80 feet at the center. Twelve 5,000-watt searchlights housed in the open central core of the pavilion will send the powerful beam of light into the sky.

This beacon continues the tradition of the welcome light that goes far back into history.

One of the most celebrated lights of all time was the Pharaoh Lighthouse in Egypt, built in 283 B. C., and long regarded as one of the wonders of the world. Nightly a fire burned atop the 600-foot stone tower, and produced a light that could be seen 34 miles away. This, of course, was before Reddy's time.

Fairs, festivals, and expositions have always taxed man's imagination to produce elaborate and spectacular welcome lights. Perhaps one of the most famous welcome symbols was the Eiffel Tower. Built for the 1889 Paris Exposition, the tower was festooned with 4,000 10-candlepower electric lamps. (As a matter of comparison, the Tower of Light at the New York Fair will be 300,000 times more brilliant than the Eiffel Tower's light.) Later, in the 1901 Pan American Exposition in Buffalo another Tower of Light was built to invite the world to visit the fair. It was outlined with 20,000 incandescent lamps, which symbolized more than welcome: it symbolized the promise of convenience to come in a new world of electricity.

## Electric Companies Swap Power As Needed

Electric power companies swap electricity back and forth just as any good neighbors borrow over the backyard fence. The only difference is that the utilities plan it ahead of time and then carry it out under contract.

A good illustration of this electric power exchange lies in an agreement recently entered into by Illinois Power Company and Indiana & Michigan Electric Company. Illinois Power, on the one hand, represents a group of three electric companies known as the Illinois-Missouri Pool; I. & M., on the other hand, is one of six utilities that make up the seven-state American Electric Power System.

It seems that customers of the companies in the Illinois-Missouri Pool use more electricity in the summertime than they do in the winter. Meanwhile, customers of the AEP System have their peak

use in the wintertime. This means, naturally, that Illinois-Missouri has built electric generating facilities to meet its customers' summer requirements and it thus has an excess power supply during the winter, and that AEP, by the same token, has excess capacity in the summer.

Why not take advantage of this situation, which is called "load diversity"? Spokesmen for the two principals in the new agreement explain that it does just that.

The agreement calls for an exchange of power between the two power systems according to schedule. During the four-month period of October-January in the winters of 1966-67, 1967-68 and 1968-69, Illinois-Missouri will supply 200,000 kilowatts of power to the AEP System. Then, in repayment, the AEP System will supply its good neighbor to the west the same amount of electricity in the four-month summer period of June-September in 1967 through 1969.

The load diversity that exists between the two power systems is best illustrated by this example:

Illinois-Missouri last year saw its peak demand for electricity—4,442,000 kw—occur in August. It was a reflection of the summer's heat and the widespread use of air conditioning in Illinois and Missouri, and it was 464,000 kw higher than the pool's winter peak.

The AEP System, on the other hand, experienced its peak—

6,020,000 kw—in December, just before Christmas. This peak represented the winter's cold and the growing popularity of electric home heating in the System's seven-state territory. And it was 575,000 kw higher than the AEP summer peak.

What does all this mean?

Basically, it means that the two utility systems have taken one more step in a series of many steps in their continuing effort to provide plentiful electric power in the most economical, most efficient fashion. By exchanging power during their respective surplus periods, they both have postponed the need to construct additional—and costly—power generating facilities.

To be more specific, postponing the construction of 200,000 kw of additional capacity is the postponement of an expenditure ranging somewhere between \$20-and \$30-million, depending on the type and location of plant. Multiply that figure by two—because each system would otherwise be spending that amount—and the saving becomes even more substantial.

For the customer, it means that he can be further assured of a continuing plentiful supply of electric power. It means, too, that that power will be sold to him at the lowest possible cost.

Member companies of the Illinois-Missouri Pool, in addition to Illinois Power, are Central Illinois Public Service Company and Union Electric Company of St. Louis.





Mr. Phillips



Mr. Carter



Mr. Crumbaker



Mr. Sampson



Mr. Buchanan



Mr. Hesson

## Kingsport, Plant Men Contribute Ideas

The March issue of *AEP Operating Ideas* carried articles by six men of our companies: two from Kingsport, two from Kanawha River plant, one from Clinch River plant, and one from Glen Lyn plant.

The Kingsport men, J. H. Carter and A. L. Phillips of the stores department, told how they turned a fork lift truck into a snow plow by mounting a scraper arrangement on the fork. The cost was about \$15, including three-and-a-half manhours, and all materials, except bolts, were salvaged from scrap. During recent snowfalls the new device had tests, and cleared off in two hours the same lot and sidewalks that formerly required 30 to 40 manhours of hand shoveling.

George L. Evans, Glen Lyn's test engineer, described intensive and prolonged analyses of the wide

variations in pulverizer performance that led to corrections in the pulverizer equipment.

Removal of accumulated flyash in the vestibule section of boilers during maintenance was described by W. J. Buchanan, maintenance supervisor at Kanawha River plant. He said that at those times neither vacuuming or gravity cleaning was fast or efficient enough; therefore it was decided to extend the hydro-vactor system to the points involved. Connections can be made quickly, and its use has saved considerable outage time and kept the plant cleaner.

W. F. Sampson, Kanawha River plant's results engineer, came up with a new and better way to test thermocouples. It involves detecting an unusual increase in the resistance of a thermocouple junction by comparing direct resistance

measurements with previously recorded readings. The new method save 11 manhours checking time per unit.

Clinch River plant's N. R. Crumbaker developed the use of neat plastic labels attached to alarm indicator frames. They tell the operator at a glance the set points, and they can be changed easily and inexpensively to suit varying operating conditions.

In the February issue of *Operating Ideas*, O. A. Hesson, maintenance foreman at Cabin Creek, describes how the use of castable refractory can be installed as a substitute for metal, or to protect exposed metal in sections of boiler subjected to intense temperatures. He says that maintenance savings resulting from this technique have already been substantial.

## Fred Rouse, Once Water Boy and Cook Retires As Regional Dispatcher

Fred H. Rouse, regional dispatcher at the Turner substation, retired April 1 because of a disability, and closed a career that covered many parts of the AEP System.

Born in Abingdon, Virginia, his parents moved to West Virginia when he was a baby. His father worked for Pocahontas Fuel Company, which owned and operated the old Switchback power plant, and the family lived near the plant. During the summers, when he was growing up, Mr. Rouse worked at a variety of jobs for that company: he carried water for line crews, cleaned the office, and did general janitor work, served as mail boy, unloaded gravel, and worked at just about anything else that needed doing . . . but it was when he was about 13 that he actually went to work inside the plant, with his father. His job was that of an oiler and he also rolled ashes. (He explains that the boilers were hand fired, and the ashes were rolled over the road and dumped over the mountain side.) He also hauled coal by wheelbarrow to the men who were firing the boilers. His 12-hour a day job was not permanent; he was still just working summers and part time.

1925 is the date that his employment record shows he began to work for Appalachian at Logan on a permanent basis. This was the time of the construction of the 132,000-KV switchyard there. From that job he came to Turner and worked on the construction of the Capitol Hill substation in Charleston and from there he went to South Point, Ohio, where Appalachian was building a substation to tie in with Ohio Power Company. He remained there as an operator for about a year, and following that he worked on the construction of a switchyard at Saltville, Virginia. Later he went to Ohio Power Company at Ironton for a while, and then on to Lynchburg, where he worked on the rebuilding of the Reusens hydro plant.

Taking time out to attend Bliss Electrical School, he returned to work for Kentucky and West Virginia Power Company in 1933 at the Hazard steam plant as an electrician's helper. In July, 1942, he entered military service and was in the field artillery. After his discharge in 1943 he came to Williamson as an electrician. In 1947 he was transferred to system



Mr. Rouse

operations as stationman, and was promoted to regional dispatcher in February, 1958.

Mr. Rouse recalls many incidents, a lot of them humorous, in his varied jobs, both as a child and as a man, working for the power company. He helped run the line from Sprigg to Iaeger—a line that was laid out straight through the dense woodland—a line that was kept straight with the use of string and forked sticks, through which the next point was sighted. Pole locations were set by stepping off so many paces, and right-of-way was cut accordingly.

He recalls that he and another man ran the mess hall at Sprigg Plant construction and fed 75 men 3 meals a day. Another time he was a water boy for the line crews at Williamson, and had to carry water straight up a mountain. He had just got to the top of the hill when he learned the crews had eaten, and hadn't saved any food for him. They laughed and told him he ought to be around at meal time. So, he poured out the water, and went back down the mountain, carrying his empty water pails. He was hungry, but he left some mighty thirsty linemen up on the mountain.

Mr. Rouse says it will be a few months before he makes any definite plans for his retirement. He has two sons, and he owns a travel trailer, and it might be that the family will travel, or they may decide to move to Virginia.

## Plant Men At Work

### Efficiency, Safety, Training Parts Of Buskirk's Job

The job description of a shift operating engineer says simply that his duty is "to supervise all activities in connection with the operation of generating and auxiliary equipment during an assigned shift for maximum efficiency in accordance with necessary load requirements."

That terse description, although complete, doesn't tell the story. A typical shift operating engineer in our power plants is Eli Buskirk, who has spent nearly half of his company service in the job. Right now he's at Clinch River, but he has also worked at Logan plant and Kanawha River.

Because the SOE is the ranking member of management on hand at the plant during the evening and night shifts, he must be ever alert to the functioning of his units to insure the best production. Very slight changes on the control room instruments may indicate serious difficulty unless the cause can be quickly determined and corrected. This means that Mr. Buskirk must work closely with the maintenance and results personnel in locating and correcting equipment difficulties. He has worked hard at developing his relationships, and feels that this association helps promote the all-important cooperation so indispensable to an efficient plant.

#### Started in 1933

Mr. Buskirk started out with Appalachian at Logan plant in July 1933 as a laborer. In 1952 he moved



Mr. Buskirk, seated, and M. V. Pack, maintenance foreman, go over plant equipment drawings. Close cooperation between operations and maintenance personnel is a must factor to insure reliability and availability of generating equipment.

to Kanawha River plant as SOE, and came to Clinch River in 1958 to assist in bringing in the new plant.

Experience with new generating units has characterized Mr. Buskirk's company service. He was at Logan on Unit A when it was a front-runner, at Kanawha when that plant was the world's most efficient, and at Clinch River when it made history by operating over a full calendar year with heat rate under 9,000 BTU.

Carrying out company policy and assisting those under his super-

vision is an area of his job that Mr. Buskirk finds particularly satisfying, because they add variety and interest to his day. For example, training gives me a particular enjoyment. "I like to see these younger fellows grow and develop," he says; "besides, it makes my own job that much easier." In order that his people do grow, Mr. Buskirk has made safety a part of his job and a part of his training program for others.

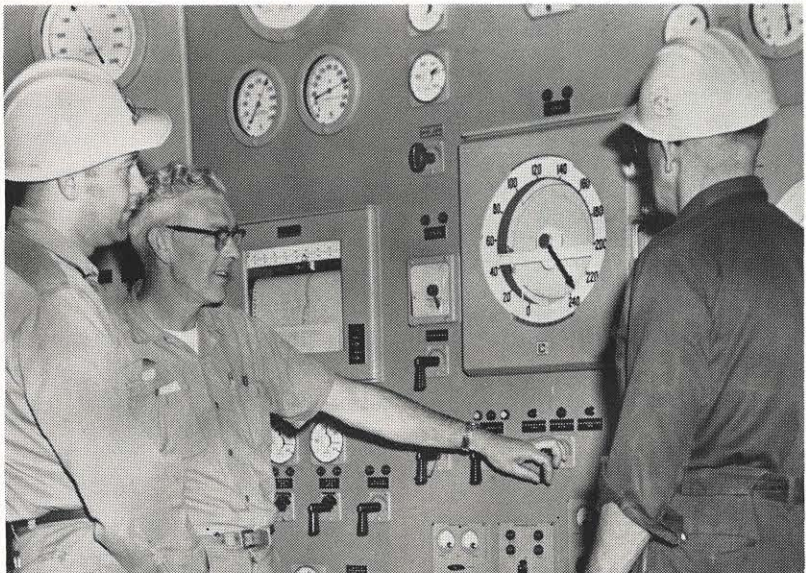
He's a man who likes to see machinery and people working smoothly; and he's a man proud of his plant and the cooperative attitude of those who work in it.

Very much the family man and citizen, he also takes pride in what he does when he isn't at the plant. He and his wife have a son, Drannon, in Richmond Medical School, and a daughter, Dana, a student at Lebanon High School. Mrs. Buskirk is a registered nurse, and is helping her community as a member of the staff of Lebanon General Hospital. A Lion for many years, Mr. Buskirk is active in the work of the club, and is now a nominee for president.

When he has time, he bowls, fishes, or goes hunting "with the boys from the plant," and he enjoys gardening around the all-electric Dutch colonial home he built in Lebanon.

Would he trade jobs? "Gosh, this power plant business has been a part of my life ever since I left Marshall—I've never regretted it."

(Note: This is the first in a series of articles about employees in power plants, whose efforts around the clock keep power at our customers' fingertips in abundance and dependability.)



How to obtain maximum output at the lowest cost is the subject of this discussion among Mr. Buskirk, right, Albert Rookstool, left, equipment operator, and Dorus Campbell, unit foreman. They are standing in Unit 3's control room. Mr. Buskirk repeats this procedure on each of his units with the help of the assistant shift operating engineer.



## Appalachian Power Company

### Abingdon Division

J. C. LAMBERT, JR., from customer service representative to meterman A.

### Cabin Creek Plant

EDWARD L. WORKMAN from laborer to guard; CHARLES K. ORR from laborer to assistant control operator; DONALD D. BOWMAN from assistant control operator to control operator.

### Charleston Division

C. C. HARPER from meter serviceman B to meter serviceman A.

### Logan-Williamson Division

JAMES C. LeMASTER from groundman to truck driver groundman.

### Pulaski Division

MARY HELEN KIRBY, home sales representative, senior, from Pearisburg to Bluefield. STEWARD C. WEATHERMAN from PBX operator, sr. to pre-audit clerk; BARBARA B. MARSHALL from pre-audit clerk to contract clerk, sr.; JOEL R. PUGH, draftsman, from Bluefield division to Pulaski division. DAVID K. SPIVEY, from draftsman, Bluefield division to draftsman, sr., Pulaski division. CLARK W. ALLEY from meter serviceman B to meter serviceman A. J. B. BRILLHEART, JR., from draftsman, sr., to heating and builder sales representative. A. L. GRAHAM, JR., from commercial sales engineer, Bluefield division, to division power sales engineer, Pulaski division. J. L. MARSHALL, JR., from heating and builder sales representative, Bluefield division, to commercial sales representative, Pulaski division.

### Smith Mountain

WILLIAM M. GASKIN, concrete engineer, from Smith Mountain Construction Department to Cardinal Plant Construction Department, Ohio Power Company.

### System

W. P. VICKERS, JR., from system station operator A to regional dispatcher; PAUL T. SMITH from system real estate and right of way department to system accounting; PAUL D. BLOUNT from system real estate and right of way department to system accounting; CHARLES E. WEST from system real estate and right of way department to system accounting.

## Kentucky Power Company

W. C. KERLEY from meterman A to working foreman; G. W. GOTT from meterman B to meterman A; KAY POWELL from cashier to cashier, sr.

JOHN A. SHUTT from meter reader, local accounting, to appliance serviceman B, commercial department.





Mr. Hundley

## Foreman Retires In Charleston

O. J. "Obe" Hundley, line foreman at Montgomery, in the Charleston division retired April 1. He retired early because of ill health.

A veteran of 38½ years of service, Mr. Hundley joined the company October 1, 1925 as a lineman. He became district troubleman in 1945, area serviceman in 1953, and was promoted to his present position in 1954.

A native West Virginian, Mr. Hundley worked as an electrician for the Meadow River Lumber Company at Rainelle from 1922 to 1925. He is a World War I veteran, having served with the air service mechanics overseas. He is a member of the American Legion. Carpentry, hunting and traveling will take up a lot of his leisure time, he says. He and his wife have two daughters and four granddaughters.

Mr. Hundley says he has enjoyed his work with Appalachian and that "The power company can't be beat, up or down the river". He thinks the safety program "is the greatest thing the company has ever done and it has saved many lives." He is proud of the safety record of the men in his crew, and adds that the business of safety is every man's job. Without the cooperation of each individual a foreman's efforts wouldn't be of too much value.

## Bratton Named Line Foreman

G. D. Bratton, working foreman in Roanoke, has been promoted to line foreman in Rocky Mount. He joined the company sixteen years ago as a lineman.

He is a member of the Rocky Mount Baptist Church and is past scout master of Troop 363 in Burnt Chimney. He is also a Red Cross gallon blood donor. His hobby is golf.

Mr. Bratton is married and has two sons and a daughter.

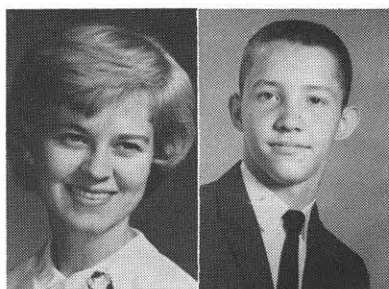
## Building Contract Let In Lynchburg

The contract for the construction of Lynchburg's new service building has been awarded to S. R. Gay Company, Inc., of Lynchburg, and construction will begin immediately. The work is scheduled for completion by the end of the year.

The one-story, 23,000-square foot building will be located on a 22-acre site on Mayflower Drive opposite the H. K. Porter plant. The estimated cost is \$400,000.

It will house Appalachian's service facilities now located at various points in the city. It will include quarters for servicemen and line and station crews, garage facilities, line and station tool rooms, a maintenance shop, storeroom, and meeting room. Electric heating units and an electric heat pump will heat and cool the building.

Space for 10 trucks will be provided at a covered loading dock, and a 9,000-square foot outdoor storage area, a pole storage yard, and parking space for employees will be provided.



Jennifer Bivens Chucky Brown

## Two Youngsters Receive Honors

Jennifer Bivens, daughter of H. H. Bivens Welch stores supervisor, was selected to receive the Daughters of the American Revolution Award for good citizenship. At Welch High School she is a member of the Senior Honor Society, president of the Keyette Club, a member of the reporting council, and other organizations. She is also a crack tennis player, and active in the youth work of the First Baptist Church.

In another corner of the Bluefield division, another high schooler has been honored. This is Chucky Brown, just elected lieutenant-governor of the 8th Division, Capital district of Key Clubs. These clubs are sponsored by Kiwanis Clubs and are organized on the same basis of providing service to community or school by members. An outstanding athlete at Grundy High School he is also an honor student. His father is Charles Brown, meter serviceman in Grundy.

## Winning Artist



Robert Broughton of Ashland poses with his painting "Wilted Flowers," which took first place in the recent art show sponsored by the Kentucky Federated Women's Clubs. Bob, an 11th grader at Paul Blazer High School, is the son of Dave Broughton, Ashland division personnel supervisor.

## Picture Frames Frame More Than Pictures

Something startling and new in the way of wall decoration has been devised by Mrs. Grace Harrington of Independence. To her, picture frames can frame something other than pictures—the painted kind, anyway.

Mrs. Harrington, whose husband is T. V. Harrington, retired area serviceman, starts out by reclaiming an old-fashioned picture frame. She replaces the glass and picture with a fine mesh hardware cloth, and sprays the whole thing with gilt or some suitable cover. The frame is ready.

What goes in it? Sometimes she will start with a spray of plastic leaves, fastened with fine wire to the mesh; then dried flowers or pods such as chinese lanterns are added until Mrs. Harrington has achieved just the effect she wants. Sometimes, for a touch of the unusual, she adds leaves, or a cone, or even a moth to one corner of the piece.

Mrs. Harrington enjoys these frames, because they can be changed quickly to meet the mood of a holiday, a season, or a special occasion. At Christmas, for example, she uses a bough or two of pine, with cones, all sprayed with snow. If you get tired of a picture, she explains cheerfully, change it.

One thing leads to another. This picture-making led Mrs. Harrington to experiment with other forms.



Mrs. Harrington examines one of "quilted pictures" she makes with drapery or slip cover material and some ingenuity. All these need now is framing.

She selects slip cover or drapery material with a figure or pattern she likes. She bastes a piece of cloth to the back, and outlines with fine quilting stitches the figure or object she wants to emphasize. She opens the backing material to make a kind of pocket

in the shape of the figure, and stuffs it with cotton to make it stand out. Then, she sews up the opening, stretches the material over plywood, sprays the picture with lacquer, and then picks out a frame for it. All you need says this versatile lady, is some imagination and patience—and some frames.

## Employee's Wife Puts Native Language To Work

Miner Hayzlett didn't know much French back in the days immediately following World War II. But Madeleine Cessou spoke English, and so it was that the couple met and married while he was in the U. S. Army and stationed in LeHavre.

After much red tape, Mrs. Hayzlett, her sister and her parents all came to Charleston in 1947. The next three years brought the Hayzletts two sons and a daughter, and five years later, another daughter was born. Mrs. Hayzlett, as well as her sister, had been a school teacher in her native Brittany, but for the next few years she was busy, just taking care of her family.

In 1959 Mrs. Hayzlett, along with several other native-born French people, did some volunteer work for the Charleston Board of Education. Little material was then available for the new French program, and they recorded tapes for use by the elementary teachers, and in the high schools. They would give dictation in French which the students would write, and read material to test students' listening comprehension. In connection with this work, Mrs. Hayzlett visited elementary and high schools to speak before the French classes. (The elementary children were really thrilled when the "voice on the tape" appeared before them, in person.)

The volunteer program ended when it was found that texts could be sent to the French cultural service of the French Embassy in Washington for taping.

Mrs. Hayzlett's sister, Suzanne,

worked at a local firm in South Charleston, and it was through this connection that Mrs. Hayzlett was asked to do some interpreting work on patents, coming to them from Belgium and France. With her knowledge of chemistry, French and English, and an encyclopedia which she uses to look up English equivalents, she has found this to be a very interesting and profitable occasional job.

Parents of teenagers might sympathize with Mrs. Hayzlett. After all, in these days the parents whose native tongue is English have enough trouble trying to interpret the jargon of the younger set. It is probably more challenging than the chemistry patents!

Do her children benefit by speaking both languages? Not to the extent Mrs. Hayzlett would like them to, although they have a fair knowledge of French. When they were small, she spoke to them in French, but since they began school, less and less French is spoken around the house. Since their maternal grandmother lives next door, and doesn't speak English they are forced to use some French to communicate with her.

Mrs. Hayzlett would like to go back to visit friends and relatives some day, but her home is here now. She was naturalized in 1950. She says the most difficult adjustment she has had to make was in the food.



Mrs. Hayzlett keeps up with what's going on in her native France through the pages of a national magazine.

She had never tasted corn on the cob until she came here. (Miner had bought her some popcorn while they attended a movie on the base back in their dating days. She had eaten it, liked it, and gone home later and looked up the word to find out what she had eaten.) She now serves some American and some French dishes, but as her children grow older, the American influence is greater in every way.

Aside from her occasional interpreting jobs, Mrs. Hayzlett is also very active in church and PTA work and serves as home room mother of Tyler Elementary school, chairman of the mission circle and church teacher in the McKinnon Presbyterian Church.

Mrs. Hayzlett is working foreman in the system station department, and works at Turner station near Charleston.

## Jane Fields Wins Music Contest

Jane Craig Fields, daughter of Craig H. Fields, residential sales advisor, Pikeville division, won first place in the annual music and art contest sponsored by the Pikeville Woman's Club, Inc. Miss Fields, a junior at Pikeville High School, played a piano solo, "Humoresque" by Rachmaninoff.

As a winner Miss Fields will compete in a district contest sponsored by the Kentucky Federation of Woman's Clubs in the near future.

## Hair Style

Mrs. Opal M. Newland, stenographer in the Pulaski division T&D department, and wife of H. B. Newland, division personnel supervisor, was one of the approximately 50 models participating in the annual hair styling fashion show, held in Pulaski last month. She modeled an "Around the Clock" style. The show was sponsored by the Pulaski area beauticians.

## Kingsport Youths Travel With Band

Three Kingsport Power Company's employees' children looked forward to the first day of spring for a very different and important reason. They are members of the Dobyns-Bennett High School Band and that was the day they left for the Mideast National Band Clinic at Pittsburgh, Pa.

The clinic is to show the different and various methods developed by certain bands and the Kingsport band is the first to be invited from Tennessee. They will demonstrate and feature antiphonal drumming, a new type developed.

The concerts will be given in the Penn Sheraton Hotel at Pittsburgh, and the Dobyns-Bennett Band will follow the Candian Air Force Band.

Those making the trip are Art, son of A. W. Stair, power sales engineer; Myra, daughter of J. G. Rayfield, record supervisor; and Jennifer, daughter of Gordon Warrick, transportation. Virginia Warrick accompanied as chaperone.





Married recently were, top row, from left: Mrs. Bobby Eugene Exum, Bluefield; Mrs. Richard L. Smoot, Glen Lyn; Mrs. Stephen D. Wiley, system; Mrs. W. J. Gillespie III, Bluefield; second row, Mrs. Charles Edward Yearout, Bluefield; Mr. and Mrs. Herbert Sampson, Charleston; Mrs. Carl D. Carrico, Abingdon, and Mrs. Clitus Musick, Clinch River.

## Eight Couples Married In Recent Weeks

**Cantley-Sampson**

Naomi Cantley and Herbert C. Sampson were married in a ceremony at the First Presbyterian Church at Ripley, West Virginia February 7. Mrs. Sampson is a cashier at the Whitesville office.

**Burns-Musick**

A double ring ceremony performed at the Spring City Baptist Church at Lebanon, Virginia, on February 2 united Mollie Burns and Clitus Musick in marriage. Mr. Musick is a laborer at Clinch River Plant.

**Thompson-Smoot**

The Christian Church in Pearisburg, Virginia, was the scene for the wedding of Freda E. Thompson and Richard L. Smoot on February 8. Mrs. Smoot is the daughter of Fred W. Thompson, assistant shift operating engineer at the Glen Lyn Plant.

**Calton-Wiley**

Brenda Calton became the bride of Stephen D. Wiley in a ceremony at the Windsor Hills Methodist Church in Roanoke, Virginia, on March 21. Mrs. Wiley is a clerk stenographer in the system personnel department in Roanoke.

**Carlan-Gillespie**

Susan Wainwright Carlan and W. J. Gillespie, III, were united in marriage February 1 in the First Presbyterian Church in Bluefield, W. Va. Mr. Gillespie is the son of W. J. Gillespie, Jr., Bluefield division manager.

**Sutton-Exum**

A double ring ceremony performed in the Bethany Methodist Church in Hansonville, Virginia, on February 15 united Charlene J. Sutton and Bobby Eugene Exum in marriage. Mrs. Exum was a home sales representative in Bluefield.

**Campbell-Carrico**

Edith Campbell exchanged wedding vows with Carl D. Carrico in a ceremony at the Sinking Spring Presbyterian Church in Abingdon, Virginia, on March 10. Mr. Carrico is an Abingdon division retired employee.



**Charleston Division**

MR. AND MRS. JACK E. JARRETT, a daughter, Nancy Renee, March 17. Mrs. Jarrett is a former employee in the Charleston commercial department.

MR. AND MRS. JOHN BURNSIDE, a son, John David, March 14. Mr. Burnside is a meter clerk in the T&D meter section.

**Logan-Williamson Division**

MR. AND MRS. R. L. TRAMMELL, a son, Richard Lee, Jr., February 1. Mr. Trammell is a station man.

**Philip Sporn Plant**

MR. AND MRS. EDWIN H. CLARKE, a son, Alaric Ashley, March 3. Mr. Clark is a maintenance foreman.

MR. AND MRS. WYLLIS F. DAVIS Jr., a son, Nathan Franklin, February 29. Mr. Davis is a master maintenance man.

**Pulaski**

MR. AND MRS. JOSEPH F. BURNETT, a son, David Michael, February 26, 1964. He is a lineman at Wytheville, Pulaski division.

**Gillespie-Yearout**

The marriage of Lily Ann Gillespie to Charles Edward Yearout took place February 24 in the Presbyterian Church of Sparta, North Carolina. Mr. Yearout is the son of C. B. Yearout, system safety supervisor.



**Smith Mountain**

MR. AND MRS. WAYNE WITT, a daughter, Bonnie Joanne, February 24. Mr. Witt is an engineer-chainman-rodman.

**System**

MR. AND MRS. N. J. BURNSIDE, JR., a daughter, Jo Ann, February 21. Mr. Burnside is employed in the system operating department coordinating office.

**Bluefield**

MR. AND MRS. J. B. FAULKNER, A daughter, Jacqueline Leigh, February 18. Mr. Faulkner is a system station man.

## Youngsters Tops In Essay Contest

Seventh and eighth graders in Mason County know their American history, and three of them, all daughters of Sporn plant employees, have won prizes for knowledge and their expression of it.

In the essay contest sponsored by the Daughters of the American Revolution, one of the girls was a state and county winner, one was a county winner, and the third was county runner-up.

The big prize was won by Carole Ann Baldwin, 12-year-old daughter of Edward O. Baldwin, plant maintenance man. Her winning essay was on General Francis Marion, The Swamp Fox. For winning the county contest for seventh graders she received a history medal, for the state contest, a suitable book award. Her essay will be judged for possible entry in the national contest.

Linda Abolin, whose father is Ted Abolin, plant manager, was the Mason County winner among eighth graders. Her essay was titled "Only One Life" and concerned the life of Nathan Hale. Linda won a history medal.

The seventh grade runner-up in the county went to Vickie Johnson, daughter of Robert Johnson, assistant results engineer. Her essay was "George Washington, Our Greatest Patriot."

All three girls are students at Wahama Junior High School.

## Club Re-Elects System Woman

Miss Virginia Mottice, system operations department, has been re-elected president of the Altrusa Club of Roanoke.

Miss Mottice started her Appalachian career in Charleston and has actively participated in the work of various civic organizations. She is chairman of the

Presidents Council of Women's Civic Clubs of Roanoke, is a member of the Intra Club Council of Roanoke Women, is a past president of the Sequoia Club.

The Altrusa Club is an international organization, and is the oldest classified service club for business and professional women. It is marking its 47th birthday this month.



Miss Mottice

## Retirement Ends Long Career Of Roanoke's Display Artist

Mrs. Joy J. Nash, sales display arranger in the Roanoke division commercial department, chose early retirement, effective March 1, 1964, for health reasons, after nearly 37 years of service.

After attending Hollins College and graduating from National Business College, she was employed April 11, 1927, as a clerk on a six-month temporary assignment to help with the installation of a street address card file system for the Roanoke local accounting office.



Mrs. Nash

After this was completed, she was given a regular job in the Contract Department. In September 1930 she was promoted to stenographer and became a secretarial-stenographer in April 1949. The promotion to sales display arranger came in April 1951, after the company moved to its present location at 40 Franklin Road. She continued in window and interior display work until retirement.

The company received many Merit Awards for her display work, including a bronze medal from Display World International yearly display contests; a plaque from National Electrical Manufacturers Association for First Prize in the national Electric Housewares display contest; a loving cup from Virginia State Architects and Engineers for 3rd best exhibit at their 1959 State Convention. Other prizes were received from N.E.M.A. on an electric fan display, and from the Roanoke Fire Prevention Committee.

Mrs. Nash says she has more hobbies and interests than she could handle in many years. She is now compiling genealogical data on family records and history handled down from her mother and grandmother. She also loves painting, music, and stamp collecting. She and her husband, Harry E. Nash, will continue living at their home, 2114 Mt. Vernon Road, S. W., Roanoke, Virginia.

## They're Engaged

SHIRLEY ANN VAUGHN to Donald Earl Rhodes. Miss Vaughn is an employee in the system accounting department.

SANDRA KAY RAY to Robert Eugene Bower. Miss Ray is an employee in the system accounting department.

## Fashion Show Has Company Flavor

Fashions to Wear At The World's Fair was the theme of a fashion show sponsored by the Point Pleasant Junior Women's Club and Point Pleasant merchants recently.

Among the models were Tamre Sue Chambers, daughter of H. L. Chambers, material clerk; Tommy Jewell, grandson of T. A. Jewell, groundman, and Phyllis M. Hesson, clerk-stenographer.



## Who's Three?

Malinda Gates, three-year-old daughter of John M. Gates, administrative assistant in Beckley, can't understand why her sister Debbie is cutting the cake with three candles when she is the one who's three years old. Actually, Debbie was born on February 29, 1952 and even though she is now 12, she has only celebrated three birthdays. Their brother, Johnny, 13, isn't too impressed with the fact that both girls "are the same age"; he just wants Debbie to hurry and cut the cake so he can help eat it. Debbie is a sixth grade student at Lincoln Elementary School. She is a girl scout and attends the Beckley Presbyterian Church. She is the only member of an employee's family in the entire Charleston division who was born on February 29.



# Happenings

## Around the Circuit

### ... Among Employees and Their Families



#### Point Pleasant

Jo Ann Crum and W. O. Sallaz were picked by the Ripley Rainbow Girls to be advisors. Mrs. Crum, wife of J. E. Crum, meter reader, represents the Eastern Star, and Mr. Sallaz the Masons. Bessie M. Wilson is a member of the Lambda Chi Omega Sorority dance committee. Rose Martin's daughter Linda was named the outstanding pledge by the active members of Alpha Xi Delta sorority at West Virginia Wesleyan College. Q. T. Balser has resigned.

#### Philip Sporn Plant

Dianne Buxton, daughter of Charles P. Buxton, has been selected as a candidate for the title of Miss Springtime in a contest sponsored by the Junior Womans Club. Dianne will appear with other contestants on a television show from Huntington, W. Va. The winner of the contest will reign over the Spring Style Show to be held in Point Pleasant.

Katherine Williamson, daughter of Rome Williamson, was awarded a nursing cap in capping ceremony recently held at the St. Mary's School of Nursing, in Huntington, and Claudia Zerkle, daughter of William L. Zerkle, was awarded a nursing cap in capping ceremony recently at St. Joseph School of Nursing, Parkersburg.

Keith Arnold was recently elected president of the Hidden Valley Country Club Men's Association.

Harry Pickens, crane operator, was the coach of the New Haven Grade School basketball team which won the grade school tournament recently and completed an undefeated season. Members of the team included Gary Clark, son of Gerald Clark and Terry and Larry Herndon, sons of Robert Herndon.



#### Bluefield

For the first time in its history, the congregation of St. Mary's Episcopal Church has elected two women to the vestry. One is Mrs. Ellen D. Callaway, whose husband is right of way agent in Bluefield. Mrs. Callaway is also a candidate for the office of treasurer of Bluefield, Virginia.

Keith Chambers has been active in radio affairs. The system electrical engineer was re-elected treasurer of the state radio convention, and secretary-treasurer of the Black Diamond Radio Club; and he also addressed the Tri-State Radio Club in Huntington. Buddy Fry, son of Phil Fry, meter serviceman, won second place in the Princeton Junior High School Science Fair for his project on "Production of Electricity With An Incandescent Light On Solar Cells".

Two employees collected awards: Ira Henderson, administrative assistant, was a chairman award winner for the 1963-64 United Fund campaign for his work as public relations chairman, and Grady L. Parker, commercial sales engineer, won a silver tray in the "Brainbusters" sponsored by a local company. Cecil Rhudy, area serviceman in Tazewell, has been elected president of the Thompson Valley Community Club. Jerry Whitehurst's daughter Martha was a model in a fashion show sponsored by Fairview Junior High clubs.

#### Welch

Serving as judges at science fairs recently were John Vermillion, meter service foreman, who was a regional judge, and D. L. Kendrick, commercial sales engineer, who was a judge at the Grundy fair.

Two employees' wives, Mrs. Estel Crabtree and Mrs. Duke Wright, were chairman and co-chairman of a comedy fashion show sponsored by the Olga Woman's Club. Among the cast were Mrs. F. L. Jones and Mrs. Mike Clayton. In a recent election the club chose Mrs. Crabtree as vice president and Mrs. Wright as reporter-historian.

G. B. Dent has been elected to the Pocahontas City Council. C. K. Kirkland and Duke Wright attended the district Rotary convention last month. Dick Ruff was the chairman of the annual automobile show sponsored by the Welch Lions Club.

Charles D. Kinzer was elected worthy patron at a meeting of the Bluefield Chapter No. 102, Order of the Eastern Star, and was honored at the same time for his work in the past year when he held the post on a temporary basis. Mrs. Kinzer is chairman of the chapter's auditing committee.

#### Glen Lyn Plant

Edward J. Stalker, stores supervisor at Glen Lyn, was recently elected district deputy grand master of the District 41, Grand Lodge of Virginia AF&AM. He is a 32nd degree Scottish Rite Mason; a member of the Royal Arch Chapter, Pearisburg; Knights Templar, Blacksburg, and Kazim Temple, Roanoke. Mr. Stalker also teaches the men's Bible class at Rich Creek Methodist Church.



Lynchburgers who completed the supervisors training course in Roanoke last month were W. W. Ford, J. O. Franklin, F. D. Giles, and J. B. Rice. Nowlin O. Maddox has joined the company as meter service helper.



#### New Use For Old Bulb

Ina and Frank Unangst have found new uses for hitherto useless burned-out light bulbs: they make people heads from them. Miss Eleanor Legg, center, and her sister, Mrs. Anne Maser (who are sisters of Imogene Legg, customer service clerk in Charleston) are both art teachers. They show their students how to make a base for each bulb by resting the small end in a paper cup and filling it with plaster-of-paris, and later peeling away the paper. Then the student applies modeling clay to the bulb itself, and turns out his own version of Captain Kidd, Mickey Mantle, Leonard Bernstein, or Ben Franklin. The figures can be painted with tempera colors. The Unangsts are the children of George Unangst, assistant T&D superintendent in Charleston.



Mrs. Lucy McSwain, home sales representative, recently directed and narrated two fashion shows. Opal M. Newland is the publicity chairman for the Woman's Auxiliary of the Pulaski Country Club. Mrs. Helen C. Bane has resigned, and was guest at a farewell party given by the office girls. Bonnie Sue Barnette is a new employee in area development.

Carl Schmidt and David Taylor were elected president and vice president respectively of the Week Day Religious Education Council. A. D. Clark was assistant instructor recently for a 33-member Dale Carnegie Class. Mrs. Bruce McCall was named by the DAR as president of the Children of the American Revolution.



#### Fieldale

Patricia Hancock was elected by the students at Martinsville High School as attendant to the queen of the Sweetheart Ball. The queen and attendant reigned at the basketball Homecoming Game and at the Sweetheart Ball. Miss Hancock is the daughter of Mrs. Virginia Hancock, home sales representative at Fieldale.

M. W. Brown has been elected treasurer of the Martinsville Rotary Club.

#### Roanoke

R. E. Slaydon has been elected district deputy grand master of the 22nd Masonic district of Virginia, which includes eleven lodges in the Roanoke area. Mr. Slaydon is also the present master of a new lodge at Cave Spring, which was chartered at the same Annual Communication in which he was elected. He serves on the official



#### Mardi Gras Time

The atmosphere of New Orleans at Mardi Gras time was brought home vividly to electric dealers and distributors and news people when Kentucky Power recently kicked off its Mardi Gras promotional efforts in Ashland. The entrance foyer and auditorium were decorated in a French Quarter theme, with Bourbon and Canal Streets and the Court of Two Sisters restaurant. Costumed waitresses and a cigarette girl served the guests, who ordered from menus printed in French. Dixieland music played in the background. After dinner, special spotlighting centered on two broadcast areas simulating telecast backgrounds—the 'leadoff' feature of the Mardi Gras parade (with some paraders shown here), and an Ashland scene, where a "pitchman" gave the story of the promotion and other sales efforts.

divan of Kazim Temple in Roanoke.

E. J. Shaver keeps busy in Rocky Mount, he has been elected a director of the Junior Chamber of Commerce and an elder in the Rocky Mount Presbyterian Church. Mrs. I. B. Peters, Jr., has been named general chairman of the flower show to be presented jointly by four garden clubs at Roanoke's Crossroads Mall. Mrs. John W. Vaughan is the new Roanoke area chairman for the 17th annual Duke University Loyalty Fund Campaign.



#### Charleston

Frances Lowe, home sales representative, has resigned because of her husband's transfer to Toledo, Ohio. John C. Frazier and C. W. Lovell attended the one-day seminar of the American Red Cross disaster training at Montgomery.

Pauline Murray, wife of E. A. Murray, commercial, and her partner, Delores Jarrell, placed seventh in the handicap doubles in the city women's bowling tournament in Charleston, which ran for four weekends. Pat Cummings, Chris Mitchell, Mary Bostic, and Juanita Boggess also participated. George W. Unangst, was guest of Miss Freda Shipley at the "Bosses Night" dinner of the American Business Womens Association on March 3.

Recently completing the six-hour refresher first aid course, under the instruction of Clifford Picklesimer were: C. R. Gibbs, Leland Price, Brook Miller, C. C. Harper, Earl Stone, G. T. Turley, D. F. Boggess, Ralph Holmes, Lloyd Sanford, W. H. Jackson, Harvey R. Allison, Danny Acela, R. H. Clarkson, R. F. Jones, Bill Salmons, Paul Hull, W. W. Webb, and Norman R. Young.

Oscar W. Kallmerten, line foreman, appeared in the Charleston Daily Mail feature, "Cornered by the Camera" on March 11. His picture was snapped by the roving cameraman while Mr. Kallmerten was working. John C. Frazier has been elected to the executive committee of the West Virginia Safety Council.

Appalachian employees active in the Clendenin area in church work are: Major Elmore, who serves as adult teacher and is a deacon at the Church of God Mission at Pinch; Bill Settle, honorary deacon at the

First Baptist Church at Clendenin, Jo Snyder, recently elected secretary-treasurer of the Brawley Chapel Methodist Church at Clendenin. Jo's husband, Charles Snyder, serves on the Board of Trustees.

The St. Albans office now has a bowling team entered in the men's handicap league at the Towne and Country all electric lanes in Nitro. Charles Simmons is captain, and the other members are: T. E. "Felix" Reed, Dennis Blake, John Nutter, Joe Donegan, K. P. McCoy and Keith McCoy and Denzil Allison.

Lead soprano in the Gospel Tone Quartet of Kanawha Two-Mile Gospel Tabernacle is Orville Scaggs, better known as "Jake", Charleston office messenger.

Since his father is a minister, singing in churches has always been just part of a way of life for Jake. At one time they had a family quartet, when Jake and his two brothers and sister sang together.

#### Beckley

John M. Gates, has been elected to the Board of Directors of the United Fund of Raleigh County, and Homer W. Greene, has been appointed to the Board of Deacons of the Bethel Freewill Baptist Church in Beckley.

Brenda Foster, daughter of W. D. Foster, Jr., lineman in the Beckley area made the dean's list at Concord College. Miss Ruth Wilson and Mrs. Eloise Pierce attended the Woman's Club Convention at the Greenbrier on March 13 and 14.

#### Logan-Williamson

New Employees are James Cook, groundman, and Judith Gore, clerk-stenographer, T&D.



Charles S. Lingar, was recently elected the first president of the newly formed Lions Club at Mount Carmel. Installation ceremonies were held the evening of March 19. B. J. Ingram, was installed as "tail twister".

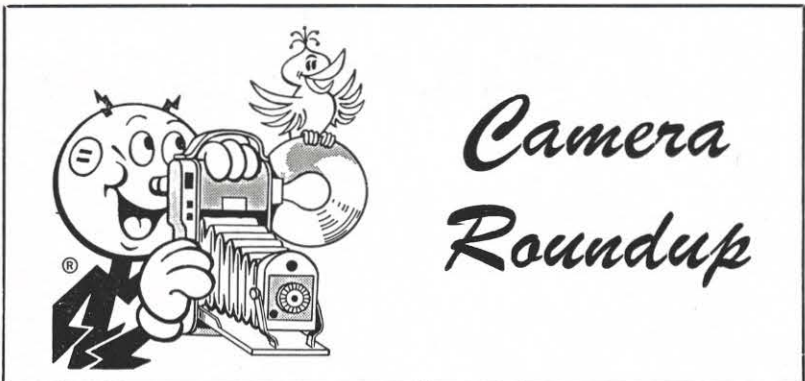
Bennett McAlpine was elected recording secretary of the Altrusa Club.

(Continued on page 9)





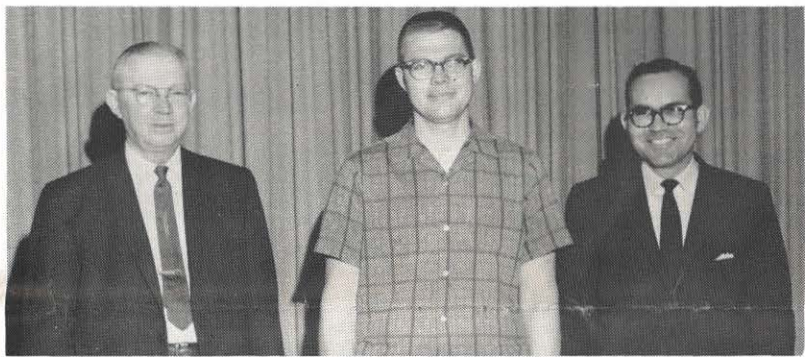
'Sno trouble the electric way in Charleston. An electric snow thrower, similar to a reel-type lawnmower, was used for the first time during the big snow of February 28. That's Enoch Thompson, head janitor, making short work of clearing covered sidewalks.



For 100 per cent participation in the 1963-64 United Fund, Charleston employees won another shingle to add to awards from previous years. Jack Walters, left, and Howard Mathews hang it up. Employees reached 102 per cent of their quota in the drive.



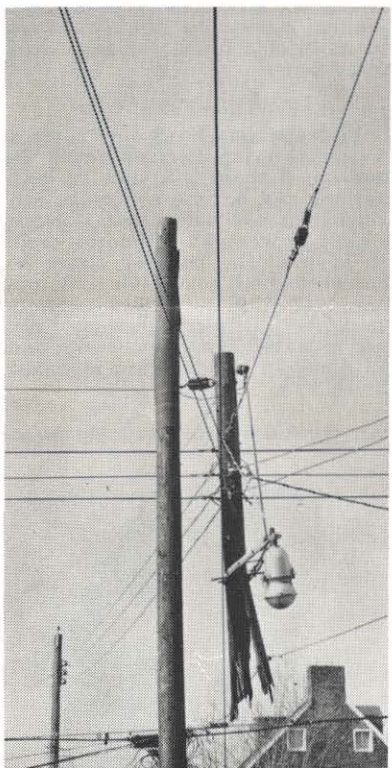
Urban renewal is in full swing in Bluefield. The razing of 34 buildings is underway, the first of 100 scheduled to be demolished. When the project is finished there will be a four-lane street with a parking lane, a new parking lot, a 1½-acre industrial site, and 12 acres set aside for rehabilitation.



New officers of the Huntington employees' Benevolent Association, from left, are Russell Fowler, Larry Howard, and Richard Gibson.



Cliff Flannery gets ready to pour out some more hot cakes at the annual Civitan Club Pancake Jamboree in Charleston. Mr. Flannery, administrative assistant there, has been active in club affairs, and his wife—a hungry customer in this picture—also worked in the two-day event. Proceeds are used for the benefit of retarded children.



In Lynchburg recently it was another chapter in the same old story of tough poles, good service. This is what happened when a car smashed into a pole and broke it off above the ground. Electric service was not interrupted.



Mary Kirby, Bluefield home sales representative, gives a demonstration in the art of cake decoration to an interested Girls' Service Club audience. This is a wedding cake.



A new safety display board has been installed at Roanoke's Walnut Avenue service building. It features a rocket set for a million manhour safety goal.

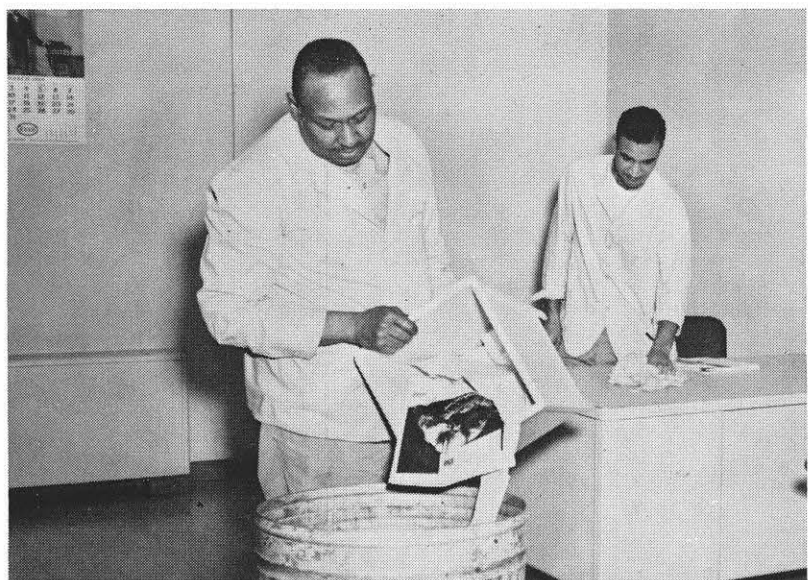


Twenty Roanoke and Lynchburg division supervisors completed a supervisory training course recently. Instructors included J. A. Mundy and W. E. Irving of system personnel, and I. B. Peters and T. A. Kirby, Roanoke division.



C. E. Archer, Clinch River plant manager, addresses the graduates of the plant's recently-concluded welding class. Twenty-three members received certificates, and heard Mr. Archer praise their achievement and urge them to continue in other plant activities to increase their skills and knowledge.

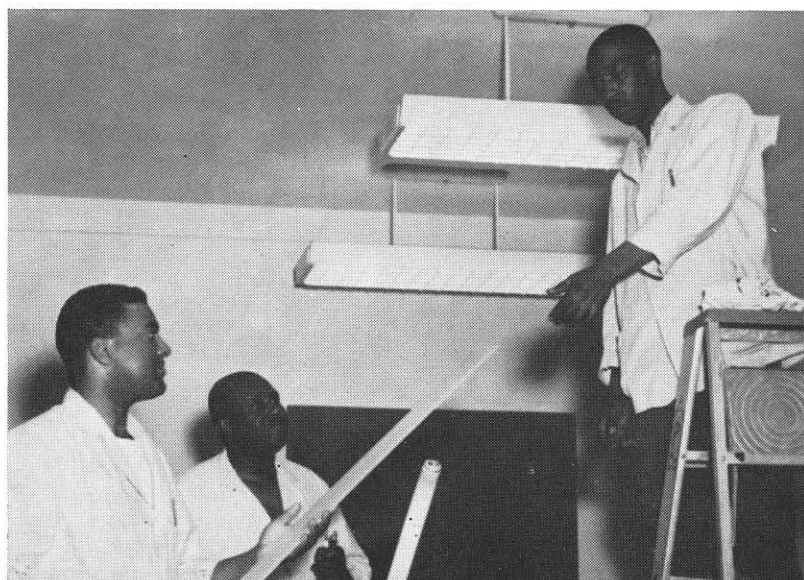




Alfred Hendricks empties waste baskets at the end of a work day, and Lewis Drew dusts desk tops.



Rufus Anthony cleans fixtures in a rest room.



Rufus Anthony, left, and Joe Louis Gates wash lighting fixtures under the supervision of Lawrence Hopson, head janitor.

## Making And Keeping Schedules Key To Proper Building Care

L. R. Buchanan believes in schedules

He has to: if you're housekeeper to 500 persons, and you don't believe in schedules, you're letting yourself in for trouble.

Mr. Buchanan is building supervisor in Roanoke, and the care and operation of the General Office Building is in his hands, his and those of three maids and a dozen janitors. Just about everything they do is done by the clock and calendar; it couldn't be done otherwise in an establishment that has a quarter of a mile of corridors, which have to be washed and

waxed, nearly 3,000 light fixtures, which have to be washed and changed, and 326 windows, which have to be washed, and so on.

The schedule begins, as all schedules should, at the beginning. An hour before the first office employee is scheduled to go to work, the janitor starts his day. He runs up the flag, checks the penthouse to see if everything is in order. This simple precaution has twice saved the building from extensive fire and water damage: once the janitor found an elevator motor on fire, and another time, a broken seal on a water pump in the heat pump room. The fire damage was \$700, and the water damage was minimal, but both could have been serious if not discovered in time.

The early morning routine also calls for opening the building's doors, checking all lights in stairways, corridors and rest rooms, stocking the rest rooms with towels, soap, and tissues.

### Telephone Helper

During the day, Mr. Buchanan's office is a clearing house for requests for particular chores not usually discovered in the house-keeping routine. His phone is kept busy with calls about mounting or remounting typewriters, hanging pictures, or moving furniture. Because his duties also involve the care of six other buildings in Roanoke, and certain maintenance and repair work on three buildings in Rocky Mount, Fieldale, and Stuart, Mr. Buchanan is often out of his office. At such times, he entrusts the messages to a telephone recording device. This carries a two-hour tape to take messages, plus a recorded invitation to the caller to make his wishes known.

That this device is not an un-mixed blessing is shown by this

excerpt from a recent tape: "Buck, I am getting tired of talking to this machine. This is—. Please call me." Typical of the other messages are these: "The elevator in the new building is out of order. Please call Magic City Tile & Carpet Company. . . This is Dewey in the storeroom. I have an invoice for two signs; the order shows four. Which is right?"

The building service people continue working long after every one else has gone home. At five in the afternoon, Lawrence Hopson, head janitor, reports to Mr. Buchanan to be briefed on any special work to be done.

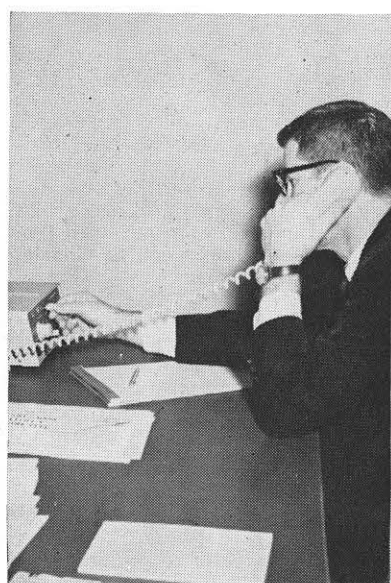
### A Time For . . .

Ecclesiastes tells us that there is a time to every purpose under the heaven; if there is a time to keep silence, and a time to speak, Mr. Buchanan also adds that there is a time to wax and a time to wash. In keeping the building clean, he has worked out a schedule to damp-mop and buff all floors twice a week; all corridor floors stripped and re-waxed every two weeks, and all floors in the building re-waxed

four times a year. Venetian blinds, thousands and thousands of slats, are washed twice a year at the rate of 16 a night. Beginning in April, and continuing until bad weather, all windows are washed once a month. Fresh air intake filters in the heat pump room are changed every two weeks; 153 filters in the old portion of the building are washed, cleaned and replaced every three months; in the new portion, the filters will be changed every six months.

About lights: tubes reported out by employees during the day are replaced immediately. Otherwise, the scheduling takes care of replacements: they are checked every Thursday and Friday. In some sections where there is considerable customer activity, the replacements are made on a group basis every 90 days or so. Every fixture in the building is washed on a schedule too.

The reward for a well-done job by Mr. Buchanan and his group is obvious to employees and customers alike: a clean, attractive place to work in and to do business in.



Mr. Buchanan listens to telephone messages which have been recorded during his absence from the office.



J. T. McLain, air conditioning engineer, and Mr. Buchanan, right, discuss heat pump equipment in the penthouse in the General Office Building.

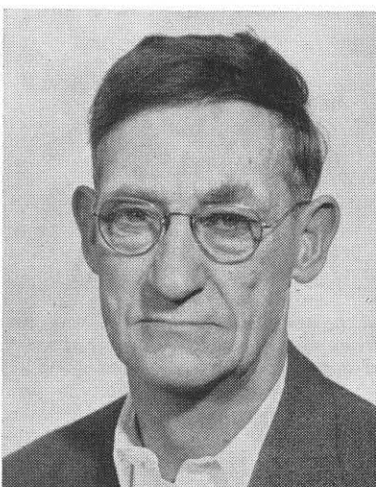


### Appalachian Power Company

ABINGDON DIVISION—40 YEARS: F. R. POE, dealer sales representative. 35 YEARS: W. L. PIERCE, station operator. 15 YEARS: T. F. CRABTREE, meter reader; S. W. GILLENWATER, janitor.  
BLUEFIELD DIVISION—15 YEARS: WALTER J. THOMAS, meter serviceman. 5 YEARS: TRUBIE P. DALTON, auto repairman.  
CABIN CREEK PLANT—30 YEARS: LEONARD BROWN, turbine operator.  
CHARLESTON DIVISION—20 YEARS: MYRTLE LAWHORN, PBX operator. 15 YEARS: ELIZABETH A. SCOTT, stores clerk; FRED SHIPLEY, clerk typist.  
KANAWHA RIVER PLANT—20 YEARS: JOHN TELISKO, JR., master maintenance man. 10 YEARS: WOODROW MCCLUNG, helper.  
HUNTINGTON DIVISION—15 YEARS: OTIS GADDIS, janitor; OSCAR FOWLER, JR., T&D clerk senior. W. B. LANGFORD, area serviceman, Ripley. 5 YEARS: EVELYN TEMPLEMAN, clerk stenographer.  
LYNCHBURG DIVISION—40 YEARS: C. W. SINGLETON, meter serviceman. 20 YEARS: WESLEY GARNER, meter service helper. 10 YEARS: WILLIAM A. ROBERTSON, station man.  
PHILLIP SPORN PLANT—30 YEARS: HARRY A. DAVIS, assistant shift operating engineer.  
PULASKI DIVISION—10 YEARS: ROZELL M. CLAYBURN, janitress.  
RADFORD ORDNANCE STEAM PLANT—15 YEARS: A. L. MCCLAUGHERTY, maintenance mechanic.  
ROANOKE DIVISION—15 YEARS: C. R. L. BROWN, groundman; DUNBAR J. HILL, janitor; R. L. MILLS, division power sales engineer; R. A. OLIVER, engineering aide; CATHERINE B. SWAIN, maid.  
SYSTEM—30 YEARS: CHESTER H. CAMPBELL, head, file maintenance section. 15 YEARS: W. B. FULCHER, payroll clerk, senior; A. D. JANOSKO, system chief of party. 10 YEARS: W. F. COCHRAN, system transmission man.

### Kentucky Power Co.

ASHLAND DIVISION—35 YEARS: FRANK HUFFMAN, JR., serviceman. 15 YEARS: CLYDE WATKINS, material clerk.  
BIG SANDY PLANT—10 YEARS: ROBERT L. ARMSTRONG, equipment operator.  
HAZARD DIVISION—20 YEARS: FARRIS ERWIN, serviceman senior; MRS. LOUIS S. GRAEF, general clerk.  
PIKEVILLE DIVISION—15 YEARS: MARVIN B. SWORD, meter reader. 10 YEARS: EARL BELLAMY, lineman.



Mr. Hill

## Short Term Job Lasts 38 Years

What started out to be an 18-month job ended 38 years later for Glen Lyn employee Thomas E. Hill, equipment operator, who retired April 1, 1964.

He fully intended to stay only a year-and-a-half when he began work January 26, 1926, and then return to farming, "but I just didn't get around to it", says Mr. Hill.

Employed as a laborer at Glen Lyn, Mr. Hill worked as a coal handler before being transferred to the operating department where he advanced to his present position of equipment operator.

Mr. Hill is a native of Mercer County, West Virginia and attended public schools in that county. He and his wife are the parents of two sons and three daughters.

Mr. Hill resides at Peterstown, W. Va. and is a member of the Methodist Church.

## Navy Host To Jimmy Jones For Week

Travel by sea, air, and land recently ended a week's cruise for James E. Jones of the area development department and two officials from the City of Roanoke. Travel on the sea was by invitation of the Secretary of the Navy and spent aboard the aircraft carrier *Intrepid*. Travel by air was aboard Admiral Smith's personal helicopter and by land over the conventional methods.

Highlight of this week's cruise was the five-day conducted tour of the various departments aboard the *Intrepid*, high-line transfers of personnel between several destroyers and the carrier in a heavy sea, a personal inspection of the helicopter that picked up America's second

astronaut, Scott Carpenter, and dinner by candlelight in the panelled dining room of the fleet admiral.

The primary purpose of the cruise was a training mission by the carrier, five destroyers, and two submarines. Each day the planes from the carrier, in cooperation with the destroyers, sought out the submarines and made their simulated "kill". Except for rough seas, the mission was successful. The final day of the cruise was spent in recovering the Gemini and Apollo capsules in rehearsal for the next Man-into-Space project.

There were approximately 3,000 officers and enlisted men aboard the *Intrepid*.



Judge George Dillon and Captain Murray A. Cochran, officials of the City of Roanoke, inspect helicopter #61, which, along with its crew, was responsible for recovering Scott Carpenter after his famed orbit into space. Note the recognition of accomplishment by the capsule painted at the front part of the helicopter.





Mr. Yost

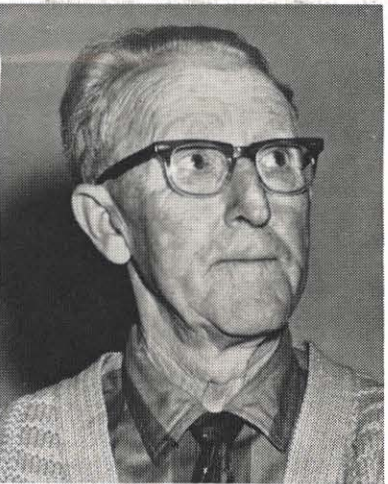
### Charles C. Yost Taken By Death

Charles C. Yost, retired meter serviceman, died at his home in Bluefield on March 7. Born in Shawver's Mill, Virginia, he joined Appalachian in 1919, and two years later he left to go to work for the N&W Railway. He joined the company in 1923. He was serviceman, electrician, appliance serviceman, and troubleman, and was meter serviceman when he retired May 31, 1961. He is survived by his wife, Naomi Kitts Yost, two brothers and four sisters.

He was a member of Trinity Methodist Church, Masonic Lodge of Perfection No. 160, Order of Eastern Star and a Veteran of World War I.

Funeral services were conducted in the church of his membership on March 9. Interment was made in Monte Vista Cemetery.

### Alfred Reed, System, Retires



Mr. Reed

Retiring April 1, with more than 26 years of Appalachian, was Alfred Reed, system transitman. He joined the company in 1938, and spent his entire career in the system civil engineering department. He worked out of Roanoke.

In retirement Mr. Reed plans to spend most of his time either fishing or woodworking. Fellow employees gave him a woodworking tool at a retirement party to make the latter hobby more enjoyable.

Mr. Reed is married and has four sons and a daughter, and lives in Pineville, West Virginia.

### Hydro Plant Retired After Four Decades

The old Holston hydro plant was retired honorably from Appalachian service January 1 after spinning out kilowatts for more than 40 years from the waters of the Holston River.

Work on the structure started as far back as 1914, but it wasn't until 1922 that its owners proudly announced that the plant would supply the electrical requirements of Abingdon and Washington County for the next hundred years. The owner was the Edmondson Electric Company, and the dam was called Edmondson dam, by which name it is still known to many even today. The original

### Travel Tips

## Going To The Fair?

Going to the New York World's Fair this year or next?

A word of advice from the American Electric Power Service Corporation: plan your trip, and especially your housing arrangements, well in advance. The Fair opens April 22.

It is suggested that you write to your favorite hotel or motel as far ahead as possible, specifying the number and type of accommodations you prefer, and request a written confirmation. Or you may write to the New York World's Fair Housing Bureau, 30 Rockefeller Plaza, New York 20, N. Y. In the latter event, indicate the hotel or motel of your choice, as well as at least three alternatives, and state the number and type of accommodations desired. The Housing Bureau is operated as a convenience to fair-goers and does not charge for its services.

Your local travel agent also can be of valuable assistance in arranging hotel space and providing information on the Fair, New York City, sights to see, prices and the like.

A limited supply of information booklets on the World's Fair is available from the AEP Service Corporation, free of charge. One booklet, the World's Fair Hotel and Motel Guide, lists all New York area hotels and motels which are cooperating with the Fair and provides price ranges for their rooms, single and double, with and without bath. The other folder, published by Newsweek magazine, is called "What to Wear at the Fair," and provides (besides "what to wear") general information of interest including local transportation to the Fair, ticket prices, a list of exhibitors, New York restaurants and leading stores.

To receive a copy of either booklet, or both, just drop a note or postal card to:

American Electric Power Service Corp.  
Attn.: Public Relations Dept.  
2 Broadway, New York 8, N. Y.

A final note: when you're at the Fair, be sure to visit The Tower of Light, the investor-owned electric utility industry's exciting exhibit. Take a fun-filled 25-minute ride on the golden revolving magic carpet and be entertained by a cast of electric animated figures in "The Brightest Show on Earth."

And, if you still have time during your visit to New York, remember that you're always welcome to visit with the AEP offices at 2 Broadway.

## Service Anniversaries Noted



Leonard Brown  
Cabin Creek  
30 Years



C. H. Campbell  
System  
30 Years



Harry Davis  
Sporn Plant  
30 Years



L. R. Marshall  
Clinch River  
30 Years

### Nature And Man Delay Lighting

The eastern approach to the city of Huntington is all dressed up with 55 new 21,000 lumen mercury lights. But before the city got this handsome new approach, nature and man combined to delay the job.

This is the way it happened. Appalachian crews spent considerable time staking the job out; since the line of lights is staggered, 55 stakes were driven as carefully and accurately as possible. All that was necessary was to bring up a pole auger and start digging holes.

Then the flood came. When the water began rising, employees of a nearby industrial plant began looking for parking places on high ground. Both sides of Route 60 looked appealing, and in the parking traffic, all 55 neatly-driven stakes were ripped out.

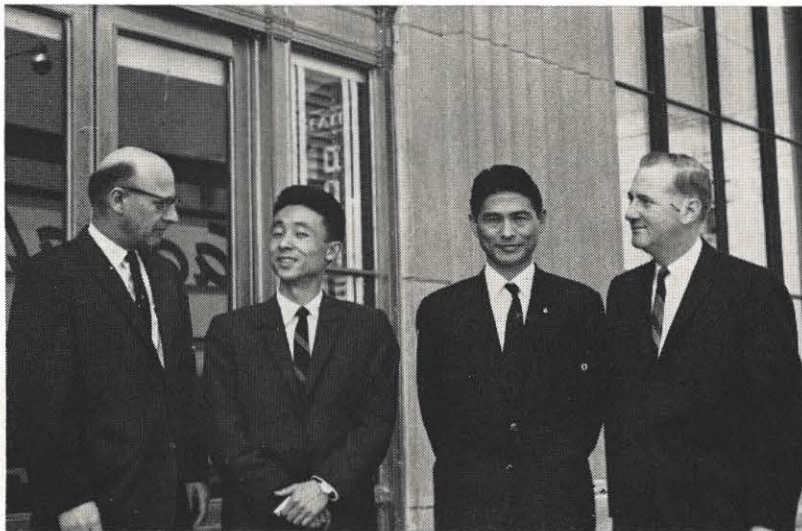
What do you do in a case like this? Do the job over.



E. L. Conley  
Clinch River  
25 Years



Mrs. L. S. Graef  
Hazard  
20 Years



### Japanese Visitor

Visiting in Charleston recently was Nobuichi Aoki, Tokyo newspaper man, second from right. He was guest of the Charleston Chamber of Commerce, cooperating with the U. S. State Department's foreign leader program. He observed the city's urban renewal program, and expressed his interest in Japan's continuing purchase of West Virginia coal. From left in the picture are Julian C. Hansbarger, Charleston division manager, Tatsuya Kimatsu, Mr. Aoki's escort-interpreter, and Nick Roomy, area development consultant, who led the visitors on a tour of Charleston's industrial facilities.

## Long Service Records Noted By Six

Five Appalachian employees and one from Kentucky marked long service anniversaries recently. Leading the list were two 40-year men, C. W. Singleton of Lynchburg, and F. R. Poe of Abingdon. With 35 years were A. H. Gravely, System, Frank Huffman of Ashland, W. S. Mattox, system, and W. R. Pierce of Abingdon.

### Fred R. Poe

Mr. Poe is dealer sales representative in Marion. He joined the company in April 1924 as an electrician doing appliance service work in Bluefield. In 1930 he moved to Marion where he sold and serviced appliances until 1946. At that time he became a rural sales representative working on the rural line extension program in Smyth and Washington Counties. He has been dealer sales representative since 1959.

He and his wife have two sons and six grandchildren; he is a Methodist, a Mason, and a Kiwanis, and lists woodworking and fishing as hobbies.

### C. W. Singleton

Mr. Singleton's 40 years have been spent in Lynchburg, where he is meter serviceman. He started out in the distribution department as groundman, and transferred to the meter department in 1929. He has worked there as meter installer and serviceman. A veteran of the First World War, Mr. Singleton's Armistice Day recollections were part of a story in the November 1963 ILLUMINATOR. He is a member of the American Legion and a deacon in the Monroe Baptist Church. He is married and has one son and two grandchildren.

### Frank Huffman

Mr. Huffman began his career with Kentucky Power Company 35 years ago, and has been in meter and service work since that time. He is now serviceman in Ashland. He is a member of the First Presbyterian Church and the Masons, and is active in the local CB radio club. One of his three sons, Daniel, is presently studying at Virginia Polytechnic Institute on an AEP Educational Award.

### A. H. Gravely, Jr.

Mr. Gravely's 35 years of service began in Charleston in March 1929. He worked as draftsman and maintenance engineer there before going off to war with the Air Force in 1942. After the war he worked as engineer and came to Roanoke with the System Operating Department. He is now system senior operating engineer. Mr. Gravely is closely associated with the company's role in the civil defense program. He and his wife have two daughters and a son.



Mr. Poe



Mr. Singleton



Mr. Gravely



Mr. Huffman



Mr. Mattox



Mr. Pierce

### W. S. Mattox

Mr. Mattox is head of the retirement section, electric plant department, in system accounting in Roanoke. He started out 35 years ago as a clerk in the department, worked in various positions, and took up his present assignment in 1949. He is a member of Oakland Baptist Church, and he and his wife have one daughter.

### William L. Pierce

In 1929 Mr. Pierce went to work for the Edmondson Electric Company, which later became the Holston River Power Company, and still later was acquired by Appalachian and became part of the present Abingdon division. He has worked as plant operator, hydro operator, and substation operator becoming station operator. He is married and is the father of three daughters and a son. He is past Grand Noble of I. O. O. F.

### Personals . . .

(Continued from page 6)



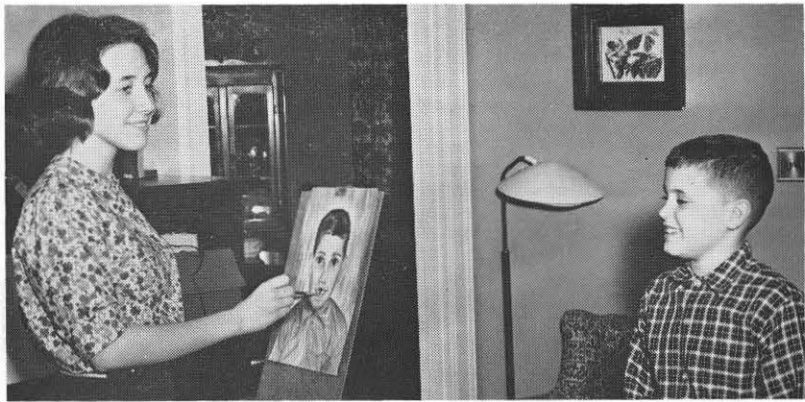
W. S. LaFon has been elected to the board of directors of the Ashland Rotary Club for the coming year.



The Abingdon Junior Woman's Club has picked two employees' wives to hold leadership positions. Mrs. H. C. Breeding was elected treasurer, and Mrs. D. C. Landreth secretary. Mrs. Landreth was also named communications chairman of the Southwest District Junior Woman's Club.

Paul Dunn is a new director of the Holston Tuberculosis Association. L. C. Angle's son David has been elected president of the Key Club at Abingdon High School.





One of her three brothers poses for final touches to a portrait done by Sally McCarthy. The brothers lead her band of admirers.

## Lynchburg Artist Has Come Long Way From Her First Childhood Drawing

Sally McCarthy's first attempt at art, a horse drawn with crayon, was not appreciated. It wasn't that the drawing wasn't good—it was that she had sketched it on a freshly painted living room wall.

But all that has changed now—her biggest rooters are members of her family, as the high school junior becomes more accomplished at her skill with paint, brush and canvas.

The daughter of Charles H. McCarthy Sr., Reusens hydro operator in the Lynchburg division, Sally recently won fourth place in a Keep Virginia Green Contest out of 1,636 entries. Since grade school she has enjoyed art, and when she

reached senior high school enrolled in a regular art course.

She is receiving instruction in sketching, pen and ink, water colors and oil applications. She prefers oil, although she enjoys the others.

This past Christmas she put her hobby to practical use, painting and selling Christmas cards to friends and family to earn her Christmas shopping money. This is her first and only venture into the commercial side of art—most of her paintings she has given away.

Looking into the future, Sally wants to attend St. Mary's College in Raleigh, N. C. for two years and Lynchburg College for two more. Surprisingly, although she plans more art study, she does not want to turn professional, preferring to keep her skill as a hobby.

The family support she is getting was apparent when a recent visitor talked to Sally about her hobby. When she left the room to get an easel, her three younger brothers got several of her paintings and proudly told when they were done and compared them. One of the brothers picked up one and said: "I agree with Mother—this is Sally's best work. Look on the back and you can see her grade. She made 94. Don't you think that old teacher should have given her a 100?"

## C. H. Golden, 94 Dies In Roanoke

C. H. Golden, retired Huntington employee, died in Roanoke February 20, 1964. He was 94 years old. Mr. Golden was born in North Carolina May 26, 1870 and joined Appalachian July 16, 1929 in Huntington. He worked there as janitor and laborer until his retirement December 1, 1940.

## Scouting Is Everyday Activity In Life Of Boys' Camp Ranger And His Family

Allen Cline and his family are active in Boy Scouting every day of the year, and most of the time they don't have to leave home to participate.



His final nightly check made, Al Cline relaxes with his dog on the steps of the Scout lodge.

That is because the Ashland distribution engineer is camp ranger at the George M. Verity Boy Scout Camp and as such lives at the camp the year round.

During his youth Al was a Scout, and when he was in the Air Force he was Scoutmaster of an American dependents troop in Zweibrücken, Germany.

When he returned home he attended the Naval Academy and the University of Kentucky, where he graduated with an electrical engineering degree in 1961. He joined the company then, and immediately took up his scouting activities.

He became assistant district commissioner of the Boyd-Carter-Lawrence District of the Tri-State Area Council and a member of the camping and activities committee.

Last year, when the district needed a camp ranger, Al decided to take the job. With his wife, Pat, and their two sons, he moved to the camp in August and took charge of the 82-acre camp with its large log lodge and Steelox dining hall.

Supervising and scheduling seemingly endless numbers of boys could become quite a chore—if you didn't like boys. Al does, and enjoyed every minute of the camp activities involving 1,400 campers last year.

## Meter Edges Into First Place

The Meter Team with 21 won, 8 lost and one tie record has taken over first place in the Roanoke Bowling League. Local Accounting with 19 won, 11 lost is in second place. Buddy Hubbard continues to have high individual average of 180, Marshall Covey high individual game of 245 and George Adkins high individual set of 669. The Stores Team has high team game of 955 and System T&D high team set of 2665.

## Four Youngsters Win Ribbons In Science Fair

Four Appalachian youngsters were ribbon-winners at Point Pleasant High School's annual Science Fair in the school gymnasium.

Leading the group was Randy Bias, son of L. C. Bias, office supervisor. He came away with a blue ribbon in the physics, mathematics, and engineering category with an exhibit entitled "Zone Electrophoreses." For his success, Randy is now eligible to compete in the regional Science Fair at Marshall University April 11-12. He is a junior at Point Pleasant High School.

Vivian Gilmour and Andy Wilson won red ribbons for their exhibits. Vivian's was "The Human Heart and Its Functions," and Andy's was "Solar Cell Satellite." Vivian, a sophomore, is the daughter of W. C. Gilmour, administrative assistant; Andy, a junior, is the son of Bessie Wilson, PBX operator. Lynda Hall, an eighth grader, won a green ribbon for the timely exhibit on "Bad Effects of Cigarettes." She is the daughter of O. C. Hall, area manager.



Mr. Garrett

## Otto Garrett Retires Early

Otto A. Garrett, groundman in Charleston took early retirement April 1 because of disability, and ended a 23-year Appalachian career.

He started out in March 1941 in Logan plant, and worked there as laborer and utility operator. He moved to Charleston as groundman in May 1961, and enjoyed the outside line work after 20 years of being inside.

His retirement plans are indefinite. Doctors advise a hot climate for him, so he may move to Florida or Arizona.

Mr. and Mrs. Garrett have nine children and seven grandchildren.



## First Aid Achievement

Fieldale area employees know their first aid. Everybody there has taken the standard Red Cross First Aid Course, and some have taken refresher courses. Above, practicing bandaging techniques are, from left, Polly Wright, Betty Romero, Elaine Wilkinson, Albert Fudge, Ralph Naff, Audrey Harlowe, Earl Joyce, and Joel Wilson. The most recent standard and refresher courses were taught by Tom Kirby and Johnnie W. Wright; three classes were taught at Fieldale and one at Stuart.



Here are the champs. Standing are Sonny Haggerty, Jim Proffitt, Charles Yeager, Paul Roush, and Glen Cartwright. Willis Dudding, captain, is seated.

## Pulverizers Win Sporn Bowling Title

The Pulverizers won the Philip Sporn Plant Bowling League Championship, winning both halves of the season. Tennant's Shift, runners up in the first half, and Athey's Shift, runners up in the second half, will have a roll off for second place in the near future. The standings at the end of the second half were:

	Won	Lost
Pulverizers	29 1/2	12 1/2
Athey's Shift	26 1/2	15 1/2
Trippers	25	17
Carroll's Shift	24	18
Fitzgerald's Colts	24	18
Misfits	23	19
Tennant's Shift	21	21
Hydrovactors	13	29
King Pins	13	29
Coal Docks	11	31

## Bocock Leads Bluefield Team

Richard Bocock, son of Forest L. Bocock, Bluefield C&I sales supervisor, was an outstanding guard on the Bluefield College basketball team. In one game Richard scored 44 points, and was one of three players who together scored 100 points against Emory & Henry College. The team won 13, lost 11 this year.

In high school he was end on the Bluefield football team that won the West Virginia State championship in 1962. He is also a baseball catcher. Richard is studying pre-civil engineering and expects to get his degree from V. P. I.

Willis Dudding, Sonny Haggerty and Pee Wee Wright had a high average of 173 pins each. Willis Dudding with a few extra pins received the honor of having the high average. Cricket Searls had the high single game of 252 and Sonny Haggerty had the high three games of 623. The Trippers had the high single team game of 980 and the Pulverizers had the high team three games of 2622.

The annual bowling banquet will be held April 18 at the St. John Parish Hall in Mason, W. Va.



Honorable William C. Dawahare, mayor of Hazard, right, presents Morgan Ozee his colonelship.

## Ozee Honored By Kentucky

Morgan Ozee, Hazard division personnel supervisor, has been awarded a Kentucky colonelship by the Commissioner of the Department of Public Safety for the state.

Mr. Ozee has been active in the safety programs in his community. He has worked particularly with the schoolboy patrol for the past ten years, in the course of which there has not been a single school accident. This program is sponsored by the Hazard Lions Club, of which Mr. Ozee is past president.

He also spends much of his time with the Scout movement, and holds the Silver Beaver award, the highest honor that can be given by a Scout Council. Mr. Ozee is well-known in sports circles, since he has been an announcer for local high school football and basketball games.

## Logan Veteran Retires Early

Robert L. Widner, truck driver-groundman at Logan, retired a year early on February 1, due to disability. He was employed November 23, 1925 as a truck driver at Logan and served as groundman and truck driver during his entire service.

Mr. Widner is married, has a son, and a daughter. He plans to "take things easy at home" during his retirement.



Fifth Not Needed

Four Stars Could Make Their Own Team

You could make up a pretty fair basketball team with four sons of Roanoke Appalachian employees, and the way they play, you wouldn't need the fifth.

Take Skip Kidd from William Fleming High School, John Engleby, Noble Marshall, Jr., and Mack McClung from Patrick Henry High School, and you have the meat of the teams that finished one-two in Roanoke city-county competition and more superlatives than a new-car commercial. The three Patrick Henry boys were all starters, as was Skip Kidd.

Skip Kidd, whose mother, Mrs. Jeanette Kidd, is private secretary in system personnel, plays forward. For the season just past he averaged better than 13 points a game, led his team to second place in western district standings with an 18-2 mark. Skip was picked on the All Roanoke City-County team, the all Western District team, and on the All-Tournament team, and honorable mention on the state All-Group IA team. In 1963 he was his school's only sophomore to win major letters in three sports: football, basketball, and baseball. At 17, he stands six feet tall and weighs 164 pounds, has been elected president of the Student Council Associ-

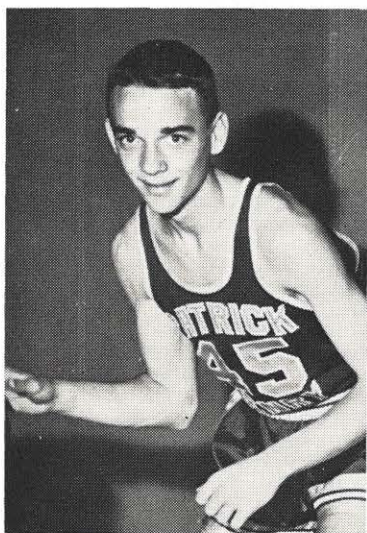
ation for his senior year, and just last month, was elected president of the William Fleming student body.

John Engleby III is the son of John W. Engleby, system senior civil engineer. For Patrick Henry High School he came on strong in the last half of the season, averaged 10 points a game, and made honorable mention on the All City-County squad. A 17-year-old junior, he stands six feet, and weighs 155 pounds. His 16 points in a playoff game put Patrick Henry in the Regional Tournament.

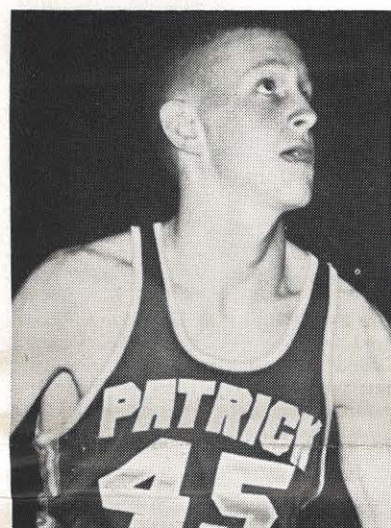
Also at Patrick Henry is Noble Marshall, Jr., whose father is supervisor of accounting for the Radford Army Ammunition steam plant. This year he switched off between guard and forward, and averaged about 10 points, and had the best foul-shooting percentage on the team. He's a sophomore, measuring 5-11, and weighing 155.

Mack McClung, whose father is assistant public relations director, is a guard at Patrick Henry. A sophomore, he was picked to the All City-County team, the All Western District team, and All Tournament team, and honorable mention on the State All Group IA. He is the first Patrick Henry player

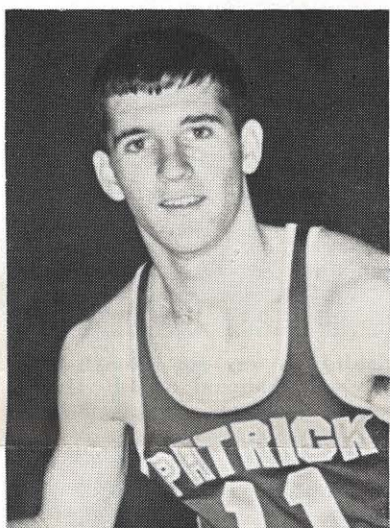
ever to be picked to the All-Western district and All-State Group IA squad. He was the team's leading scorer with 14 points a game. He was starting quarterback for the football team this year, and has won four letters in two years. Next year he will take his talents to Hargrave Military Academy.



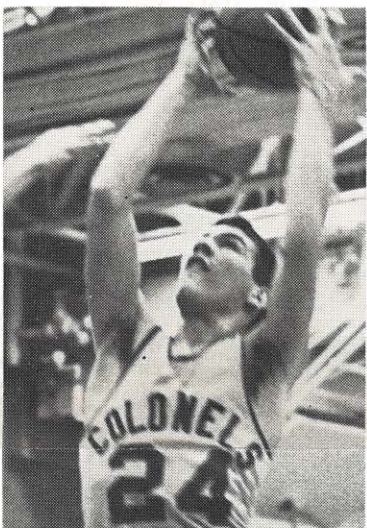
Marshall



Engleby



McClung



Kidd

Crotty To End Refereeing Activity

For the fifth time, Arnold Crotty, Bluefield engineering aide, was an official in the West Virginia State High School Basketball Tournament at Morgantown this year. But he won't do it again.



Mr. Crotty

This employee of 24 years plans to retire from major basketball officiating after this season. He intends, however to continue working in football games next fall, having already scheduled games in which Huntington, East Charleston, Beckley, Princeton, Graham, Giles High, Peterstown, and Ashland, Kentucky will be playing. Also, five college games are scheduled.

Arnold has been officiating in basketball, football and baseball in high schools, colleges and local leagues for the past 28 years. He is a retired Appalachian League umpire and was a member of the Atlantic Coast and southern conferences Football Officials Association.

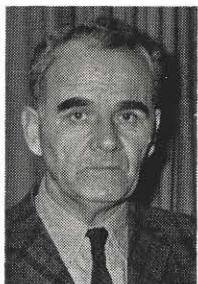
He currently is serving as commissioner of the recently formed Bluefield Church League. There are 44 basketball teams including boys and girls, who will be involved in more than 250 games before this season ends.

Huntington Pair Finish High In Tournament

Dorcas Lindsey, contract clerk in Huntington and Richard T. Steele, electrical engineer are \$135 richer now as a result of taking second place in the Tri-State Mixed Scotch Doubles sponsored by the Huntington Herald Dispatch. The annual bowling tournament starts out with 123 teams which bowl 24 games each to qualify for the finals. From that point on they switch to the Peterson Point System. Each couple bowls 32 games for the finals over two week end periods.

Fry To Lead Angler's Club

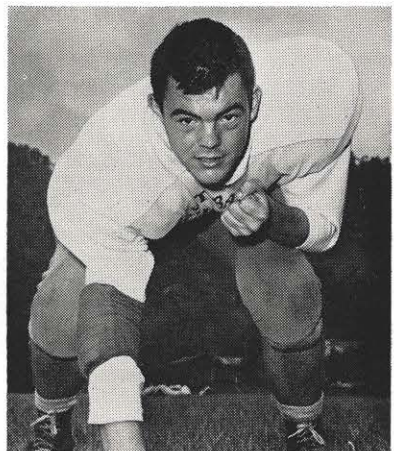
Phil H. Fry, meter serviceman in Bluefield has been elected president of the Mercer Angler's Club.



Mr. Fry

This club of over 2000 members maintains a fish hatchery on Pigeon Creek in Mercer County, West Virginia, and fishing pools and restaurant on a large acreage in Monroe County, West Virginia, near Lindside.

The club, organized in 1937, has members in 14 states, District of Columbia and Canada. The facilities are open from March through December of each year.



Three "Alls"

Leonard McKinney, East Bank High School senior guard, has been chosen on the All Southern West Virginia and All State West Virginia Football Teams. He had previously been picked on the All Kanawha County honor team. Leonard's father is a transformer maintenance mechanic at the Cabin Creek plant.

Valleys Create Athletic Tradition In Western Virginia

In western Virginia, there are as many Valleys as mountains.

Fathers and sons, they have been big men in athletics in that corner of the state since—well, since the fathers were boys themselves.

There are seven of them all together. The older generation consists of Leon F., who is area supervisor for Appalachian in Russell County; Lyman C., area supervisor in Scott County; and Ted, assistant officer manager at Williamson. Ted has a daughter, and doesn't much enter into this story, but the other two each have two sons—ball-playing sons—and this is where things get slightly confusing. As they say at Yankee Stadium, you can't tell one player from another without a program. This is the program:

Leon's boys are Ben and Leon Jr. Lyman's are Bruce and Bill.

Ben was a three-sport man in high school in Lebanon and Honaker. From the first, his dish was baseball, starting out in American

Legion play. At 15 he was competing against and with college players, and ex-professionals, and in spite of his skills in other sports it was in baseball that he won a scholarship to Wake Forest College. Actually it's not fair to brush off his basketball by referring to his "skills in other sports": Ben just happens to be the highest-scoring basketball player ever to compete in Virginia high school play. In four years, he poured in 2,056 points. He was all-state player in 1955. While he was at Wake Forest he signed a bonus contract with the New York Giants. He played in the organization for three years before he was injured and forced to quit the game. He returned to college, got his degree, and is now a high school coach near Fredericksburg, Va.

His little brother, if a 6-2, 215-pounder can be so called, is Leon Jr. Like Ben he's a three-sport man at Lebanon High School where he's a senior. Just this past season he pushed his high school scoring

total to 1,034 points. For three years he has been named to the All Russell County basketball team, and twice received honorable mention on the All-State basketball squad. In 1964 Leon won the Russell County Sportsmanship Trophy, and then moved on to lead his team to the state group title by scoring 74 points in the tournament. A terrific basketball player, you say? Yes, but he will attend the University of Tennessee next fall on a football scholarship. A fullback by trade, he was picked on the 1963 All-State football team.

They are Leon's boys, and they come by their sports naturally. Their father played in the first football game ever played in Buchanan County, at a time when he had never seen a game. Baseball was his favorite sport, and played semi-pro ball until he was in his 40's. Since then he has worked with high school, American Legion, and Little League teams.

This is a good place to talk about Ted, Leon Sr.'s brother. He quarter-

backed Buchanan County's first high school team for three years. He was offered a football scholarship the summer he went to work for Appalachian, but turned it down to stay with the company. In the years he worked at Princeton, Ted played semi-pro baseball.

The last of the three brothers in the older generation is Lyman. Lyman, after playing at Grundy Presbyterian Academy, attended Newberry College in South Carolina on a football scholarship. He lettered at guard for three years, and made second team All-State. He earned his degree in education.

His sons are Bruce and Bill. Bruce was an all-district halfback at Gate City, scored 209 career points, and in the 1958 season gained 1,041 yards, averaging more than 11 yards a carry. Off he went to Wake Forest on a football scholarship, and made the first team in his freshman year. That spring, however, he suffered an injury that ended his career in

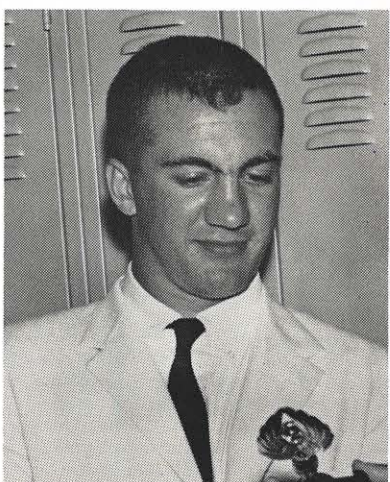
mid-stride. He transferred to East Tennessee State University, and applied the same drive to his books that he did to his football. He made the dean's list and graduated with a degree in finance. He is now working for the Federal Reserve Bank in Richmond.

Bill is a senior at Gate City High School, and what he hasn't done isn't worth reporting. Observe: all-district half-back for two years, captain of the district championship football team; won four football letters, four track letters, three baseball and three basketball letters. He holds district records in the high jump and broad jump, and was a member of the championship relay team. He finished 7th in a class of 157 with an average of 95.85. A number of colleges are casting avaricious glances at this fellow, but he has resisted them all. He plans to attend East Tennessee State University and major in chemical engineering.

That's some family, isn't it?



Lyman at Newberry College



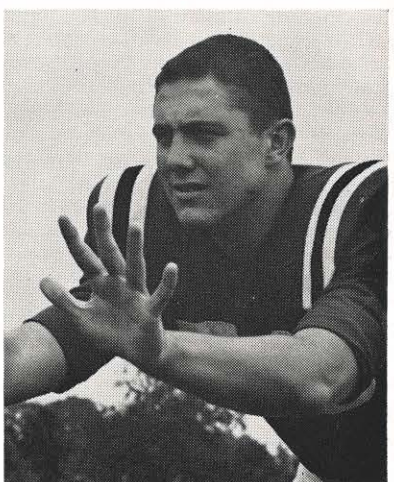
Lyman's boy Bruce with a trophy



Lyman's boy Bill

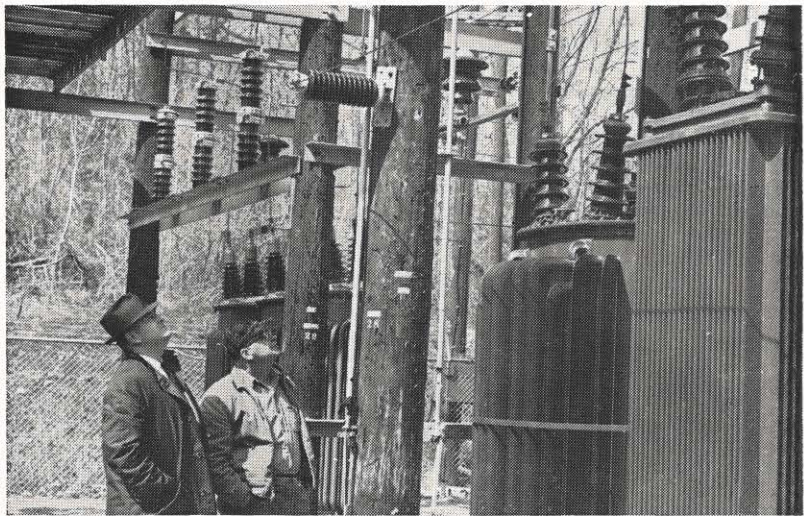


Leon Sr.



Leon Jr.





Checking over some new equipment in Monroe station are P. L. Bailey, Lynchburg division superintendent, and L. L. Crocker, area serviceman. The work here was part of a \$1.8-million improvement program in Lynchburg.

## Lynchburg Improvement Work Nearly Complete

A \$1.8-million program in Lynchburg to provide additional sources of power, remodel several stations and add capacity to them, and increase the voltage of subtransmission and distribution lines is nearly complete. This work touched every section of Lynchburg as well as the Clifford, Scottsville, Amherst, Shipman and Big Island areas.

A portion of the power generated at the Leesville Dam is now coming into the East Lynchburg station. This station is connected by a 138,000 volt transmission line loop around the city with Reusens hydro and South Lynchburg Stations.

An important new source of

power was provided in the Piney River area when Appalachian's Clifford station was tied into the 138,000 volt transmission line between Reusens and Scottsville.

The capacity of the subtransmission lines was also increased. This included the conversion to 69-KV of the 34.5-KV line between Reusens and South Lynchburg and of the 46-KV line between Reusens and Clifford stations, and the construction of a new 69-KV volt line between the Dearington and 15th Street stations.

The capacity of distribution lines was increased from 4-KV to 12-KV. These lines served the Dearington, 15th Street and Peakland areas.

Eight area stations were increased by the remodeling work and the installation of new transformers. These stations were Reusens, South Lynchburg, Perkins Park, Dearington, Peakland, Monroe, Amherst, and Clifford.

In planning the comprehensive program, Lynchburg division took into consideration the growth rate of 14% that the area has averaged annually for the past several years.

"The entire \$1.8 million program is the result of the company's long-term planning program," said W. S. White, division manager. "This program takes into consideration many factors, including Lynchburg's assets, such as natural resources, available land for industry, transportation facilities and community attitude toward growth and other pertinent factors."

## Sid Andrews Retires From AEP

S. W. "Sid" Andrews, manager of the rate division of the AEP Service Corporation's Commercial department, retired April 1 after a 37-year career with the AEP System.

Andrews joined the System as a junior power sales engineer with Scranton Electric Company, then a part of the System, in December 1926. He was transferred to



Mr. Andrews

New York as a power sales engineer in 1928 and moved into rate work shortly afterward. He was promoted to manager of the rate division in 1951.

Born in Holyoke, Mass., he received a bachelor of arts degree from Amherst College in 1922 and a bachelor of science degree from Massachusetts Institute of Technology in 1925.

On April 1, Andrews will also retire from a number of long-held professional associations. He has been a member of the Rate Research Committee of the Edison Electric Institute since 1938, of which he has been the senior member for the past three years and which he served as chairman in 1948-50. He has also been a member since 1939 of the Load Research Committee the Association of Edison Illuminating Companies.

## Employee's Son Earns Doctorate

Robert Lee Williams, son of O. L. "Joe" Williams, dealer sales representative, Charleston division



Mr. Williams

was awarded a doctor of education degree at the winter convocation of George Washington University. A graduate of the 1948 class of Dunbar High School, he received his B.S. and Master's degrees from West Virginia University. He has been a teacher with the Arlington County, Virginia, school system since 1955, serving as president of the Arlington Education Association in 1961. He currently is teaching at Yorktown, Virginia, High School, and is a lecturer at George Washington University.

## Two Divisions Merge Into One In AEP Commercial Change

Two of the three divisions of the AEP Service Corporation's commercial Department have been merged into a new rate and sales engineering division.

The move, effective April 1, combines the former rate division with the sales engineering and services division. The department's sales division is not affected by the change.

John G. Howard, former manager of the sales engineering and services division, has been appointed to head the newly created division. It will consist of a rate section and a sales engineering section. A. A. Armbrust is manager of the sales division.

Stewart E. Gordon, Jr., will head the new rate section as director of rates. He succeeds S. W. Andrews, who retired April 1 as manager of the rate division after 37 years with the American Electric Power System.

Robert E. Matthews has been appointed head of the new sales engineering section. His appointment as director of sales engineering took effect March 1.

Howard joined the Service Corporation in 1948 as an assistant engineer in the mechanical engineering division. He was transferred to the commercial department in 1953 as a senior engineer. After attending Massachusetts Institute of Technology on a year's Sloan Fellowship during 1956-57, he spent

## Youngsters Send Thank-You Notes

John Griffes, who is in the Charleston division commercial department, has twice visited Holz Elementary School to teach basics of electricity to sixth grade science students.

His reward came in the form of 30 letters from the youngsters, whose opinions are fresh, straightforward, and sometimes blunt.

Here are some extracts from the letters, complete with original spellings:

"You taught me so much that I can now help my mom and dad fix things . . . I learned pretty much on the two times you came and I wish you'd come again . . . I thought it was very interesting. The way you did many things was surprizing . . . I sure wish you'd come back. I run around the house taering up lamps and then I put them back together again . . . I am the girl who was absent last week when you made your first visit here. I doubt if you remember me but you helped me put that plug together when I had it just about backwards . . . Thank you for coming to our school, and teaching us about eleciticity. I feel that now I can pass the test."

"It cerntenly helped me, but I can't make the underitters knot very well, but at least I picked it up from a very nice person that will spend his time with a bunch of kids and talkers . . . Those little motors were funny. The big one is too complicated for me even though you made it sound as if it weren't. By the way, I'm that little girl at the front of the row. I'm at your right when you're standing up in front of the room. I'm in the farthest row over . . . Hope you can come again. Last night I was trying to put on the wire to the motor and it broke. I finally just gave up . . ."

One boy summed it up by saying "I learned to wire wires," and a little girl with a desire not to be classed as a conformist added this postscript: "I hope this letter doesn't sound like Mrs. Wright made us do it. Like she held a whip over our heads because she didn't and please come again."



Making its way out through high waters, a National Guard "Duck" carries Goodyear Tire & Rubber and Celanese people to work from Point Pleasant.



The Point Pleasant line crew places steel for the 4th Street flood gate. Called into emergency service, the new truck reduced the time for installing the gate by several hours. The crew also installed the gate at Tu-Endei-Wei Park.

## Floodwall Holds Back Water To Protect Point Pleasant

It cost \$3-million, but it was worth it.

At least that is the opinion of Point Pleasant people about the floodwall that protects the town from the Ohio River during flood stages. Completed in 1951, it was built to a height three feet above the 62.8 feet crests of 1913 and 1917 floods. And just about every Spring

people in the area expect a flood.

This year it came on Friday the 13th, in March. It crested at 48.89 feet (the flood stage is 40 feet), and although all primary roads in Mason County were closed, the town was dry and comfortable behind its flood wall.

In the town, the National Guard, Coast Guard, Civil Defense, American Red Cross and the Sheriff's office assisted victims of the flood from surrounding areas. More than 600 persons a day were given transportation across high waters in National Guard "Ducks".

As far as company damage, 30 meters outside the floodwall had to be removed and four days after the flood a pole, undermined by water, fell into a tree and three other poles leaned badly.

## Smelled Smoke, Gave Alarm, Saved House

Charlie Clendenin was reading a meter in Charleston one day last month when he smelled smoke. Moving to the rear of the house to investigate, he looked through the glass in the kitchen door and saw smoke billowing around the ceiling. After getting no response from his repeated door-pounding and shouting, he ran to the next house and had the neighbor call the fire department, and then the owner of the house at his place of business.

Because of his quick action the fire was confined to one area of the seven-room, one-story house, but there was considerable damage to furniture from the intense heat. No one was at home at the time. The owner, Gerald Ray, credited Mr. Clendenin's alertness with saving the house from complete destruction.

## Lebanon High Lists Science Winners

Ronald Parks, a senior at Lebanon High School, won first place in the boys' physical science division of the school's Science Fair. His project was Ternary Phase Diagrams for Metals.

Moving on to the area science fair at Clinch Valley College, Ronald's project placed second, which makes him eligible to compete in the western Virginia Science Fair April 11 at Virginia Polytechnic Institute. Win or lose, he will enroll at VPI in the fall to study metallurgical engineering. Ronald's father is Harold Parks, T&D clerk in Lebanon.

In the same fair at Lebanon High School, children of Clinch River Plant children also scored well. Tom Senter and Sue Peay took second and third in the physics chemistry section; Susan Archer won second in the girls' physical section, and Bernie Myers third in the boys' biological section.

## Reddy Helps Uncle Sam's Folks

Uncle Sam and Reddy Kilowatt form the best combination since Ruth and Gehrig.

Over in Welch, mobile post offices use the city's Norfolk and Western Railway station as a base when they are loading and unloading mail. In the past it had been a problem to keep the inside of the buses warm and well-lighted during waiting periods, and sometimes a bus would burn ten or twelve gallons of gas while it sat idle.

O. J. Bragg, commercial sales representative, worked out an idea with post office people. He installed heating units and lights in each bus, developed an attachment to connect them with Appalachian service, and showed how the new arrangement would save money for the contract-operators. There is approximately 10-kw of heating equipment in each mobile unit.

Next winter, while they are waiting at the station for the mail trains, post office personnel will keep warm the modern way.



It's a tight squeeze for O. J. Bragg, but Reddy Kilowatt has no trouble at all fitting into this space. Mr. Bragg is inspecting the meter connections and attachments he developed to serve mobile post offices in Welch.