

One resolution I have made is this: to rise above little things.

The Illum

People are lonely because they build walls instead of bridges.

KENTUCKY POWER COMPANY

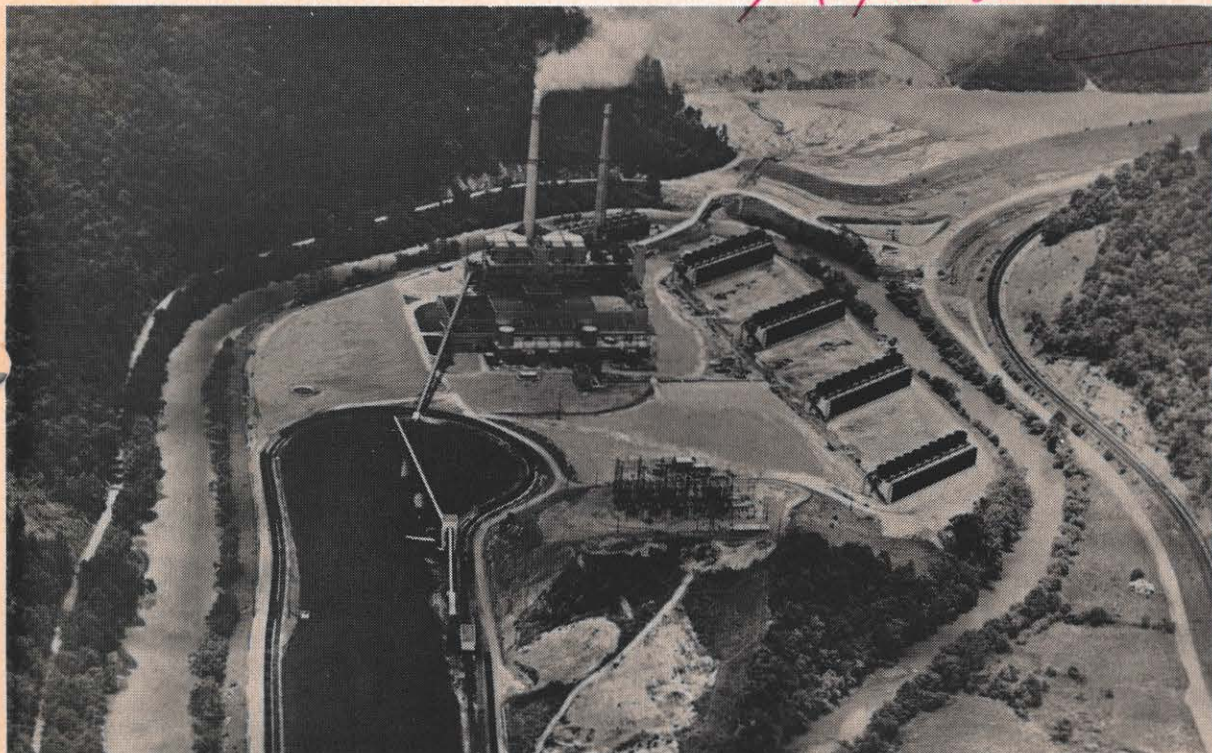
APPALACHIAN POWER COMPANY

KINGSPORT UTILITIES, INC.

Vol. XIII, No. 4

OF THE AMERICAN ELECTRIC POWER SYSTEM

January 1962



This aerial of Clinch River plant was taken after the new Unit 3 was completed but shortly before it went into commercial operation. The unit is now in operation, giving the plant a capacity of 675,000 kilowatts.

Virginia's Largest

Third Unit At Clinch River Plant Goes Into Commercial Operation

A third 225,000 kilowatt generating unit, under construction for two years, has been put into service at Clinch River plant. The plant's generating capacity of 675,000 kilowatts makes it the largest steam-electric generating plant in Virginia.

The plant's three units are capable of providing electric service to over one million homes.

The first two units at the plant went into commercial service late in 1958, and the new unit, built by Sollitt Construction Company, South Bend, Indiana, was started in February 1960. It cost approximately \$28-million, bringing to \$91-million Appalachian's total investment in the plant.

With the new unit in operation Clinch River will burn nearly two million tons of coal a year.

In 1960 the Federal Power Commission rated Clinch River as the most efficient in the world. At Clinch River one kilowatthour of electricity

can be produced from 7/10 of a pound of coal.

The new unit is served by a single

poured concrete stack 450 feet high, and by one of the largest cooling towers in the nation. It will cool water for the unit's condensers a maximum of 20 degrees at the rate of 110,000 gallons a minute, is 393 feet long and 59 feet high.

Chair In Honor Of Sporn Established At Rensselaer

Establishment of the Philip Sporn Chair in Electric Power Systems Engineering at Rensselaer Polytechnic Institute, Troy, New York, has been announced by Dr. Richard G. Folsom, Institute president.

The professorship was established by a group of 16 sponsors—14 industrial corporations and two foundations—because of their collective conviction of the importance of foster-

ing establishment of such a chair dedicated to the teaching of advanced principles of power systems engineering. It was named in tribute to Philip Sporn, who retired December 1 as president of our companies and of American Electric Power Company after a 41-year career.

Dr. Eric T. B. Gross, professor of electric power systems engineering at the Graduate School and Armour College of Engineering, Illinois Institute of Technology, Chicago, and a nationally known electrical engineer, has been named first occupant of the chair, effective February 1.

Dr. Folsom, in his announcement, said that the chair had been set up by the sponsors "in the hope that through it promising undergraduate and graduate students will become interested in and inspired by the opportunities available to them in the electric power field."

Dr. Gross has spent the last 20 years as an instructor in electrical engineering. Educated at the University of Vienna and the Institute of Technology in Vienna, he holds electrical engineering and doctor of science degrees. Before entering the educational field, he held responsible positions with a large manufacturing company in the areas of electric utility systems and analytical engineering. He holds some 15 patents in the field of power systems engineering, and is the author or co-author of some 70 research papers published in national scientific and engineering journals.

Two New Lines In Service From Clinch River Plant

Two new transmission lines, carrying electric power at 138,000 volts to Kingsport, Tenn. and western Virginia from Appalachian's Clinch River plant at Carbo, have been put in service.

The new lines tie into the company's present 138,000 volt circuit from its Saltville, Va., station to the West Kingsport station of Kingsport Utilities, Inc. The tie-in is near Appalachian's Abingdon, Va. station, 19 miles from the power plant.

One of the two new circuits will transmit power from the plant to the West Kingsport station for use in the Kingsport area, and the other would carry power to the Saltville station for use in parts of the Appalachian system. Work on the project, which cost in excess of \$1¼-million, began in September 1960.

This makes a total of seven 138,000 volt circuits from the plant,

which has generating capability of 675,000 kilowatts. In addition to the new circuits, two carry power to the Beaver Creek station of Kentucky Power, two others carry power to the Kingsport area, and another goes to Saltville. This latter line is the result of tying together two separate circuits, the work on which was also just completed.

Keystone Construction Company of Huntington, W. Va. was contractor for construction of the new lines, which are built on steel towers, with Appalachian's system transmission line department handling the company's part of the construction, inspecting the job and carrying out the final tie-ins.

Work at several stations, including the West Kingsport, Saltville, Clinch River and Abingdon stations, was completed earlier in preparation for the new lines.

Employees Play Part

Home Conversions Increase In Electric Heat Campaign

Electric heat was installed in 608 homes—349 new homes and 259 conversions from other heating systems—during a campaign just concluded by Appalachian.

The campaign was the Trade-In Program, in which Appalachian cooperated with Reddy Kilowatt Recommended Dealers. It ran from September 15 to December 15.

A feature of the campaign was the Employees' Home Heating Prospect Campaign. Employees, during the three months, turned in names of 986 prospects for electric heat, and by the time the campaign ended 237 of them, or 24 per cent, had been sold. This percentage should go even higher as the Reddy Kilowatt dealers continue following up on the prospect list.

The 608 new installations is up over the same period in 1960, when 476 installations were made. The conversion market made the difference—there were 362 new home jobs in 1960, compared to 349 in 1961, but there were 114 conversions in the three-month 1960 period, compared to 259 during October, November and December of 1961.

The same story holds true for comparisons between installations during the entire two years. During 1961 (through December 15), there were 1,113 new home electric heat installations and 725 conversions, for a total of 1,838. In 1960 (through December 31), there were 1,195 new home installations and 371 con-

versions, for a total of 1,566. In other words the conversion market almost doubled in 1961 over 1960.

Records For Peak, Weekly Load Set On AEP System

The American Electric Power System has a new all-time peak load of 5,209,000 kilowatts, registered during the hour of 6 to 7 p.m. on Wednesday, December 20.

Appalachian also registered a new peak of 1,858,000 kilowatts on December 11. The AEP peak was the fourth established since November 20. Previously, the System had topped 5-million kw on December 14, with 5,193,000 kw, on December 11 with 5,171,000 kw and on November 20 with 5,125,000 kw.

Indiana & Michigan Electric Company also set a peak of 1,214,000 kw on December 11, and three days later Ohio Power posted a new record of 2,208,000 kw.

In another measure of growth, the system's weekly load—the amount of electric power required to be available to meet all our customers' needs, measured in kilowatthours—established a new record by climbing to 688,798,000 kwh for the week ending December 20. Earlier, new records in this measurement had been established in the weeks ending November 15, November 22 and December 13.



Mr. Abolin



Mr. Moore

Abolin, Moore Assigned To New Plant Positions

T. W. Abolin and J. A. Moore have been assigned new managerships of power plants.

Mr. Abolin moves from Glen Lyn, where he has been manager since 1959, to Philip Sporn plant as manager, and Mr. Moore succeeds Mr. Abolin at Glen Lyn. He had been assistant manager at Ohio Power Company's Muskingum River plant.

At Sporn plant Mr. Abolin follows A. G. Mehlman, who has been transferred to the American Electric Power Service Corporation in New York. Mr. Abolin joined AEP in 1940 as maintenance electrician at the Twin Branch plant of Indiana & Michigan Electric Company. He worked at

Logan plant and Kanawha River plant, where he was assistant manager, before moving to Glen Lyn as manager in 1959. He served in the Navy during World War II and is a member of Kiwanis and the American Institute of Electrical Engineers.

Mr. Moore became associated with Appalachian in 1939 when he went to work at Cabin Creek plant. He was employed there as maintenance foreman, mechanical maintenance foreman and supervisor of maintenance before becoming assistant manager in 1956. He became plant manager at Cabin Creek in 1959, and was moved to Muskingum in May of this year.

The Timelessness Of Electricity

Fifty years separate 1912 and 1962, but ads that appeared in newspapers then and ones our companies use now are proof that the advantages of electricity in the household are timeless.

Recently found in Pulaski were two ads that appeared in 1912 and 1913 editions of Pulaski's *Southwest Times* and *News-Review*. They were run by Appalachian Power Company, a predecessor of our present-day company.

In one of the ads, addressed to the housekeeper, the company said that electricity "is the greatest of time savers and it gives the only sanitary light." It went on to point out that a house in the modern class was wired for electricity, which "has the advantage in cleanliness, sanitation and safety."

The other ad, while urging home owners to have their houses wired, went on to point out that besides lighting, electricity "allows you the use of electric home comfort such as an electric toaster, chafing dish, percolator and a multitude of other useful services . . ."

Today we promote more appliances, more use for electricity (including electric heat), but the advantages we describe in our ads are much the same as those in 1912. We tell our customers an electric range is clean, safe, fast. We say an electric clothes dryer is a time saver. We tell our customers that you can Live Better . . . Electrically.

It is a good story. The clear-cut advantages of electricity in the home helped promote its use fifty years ago. And they are helping increase the use of electricity today.

Ten Observations

You cannot bring about prosperity by discouraging thrift.

You cannot strengthen the weak by weakening the strong.

You cannot help small men by tearing big men down.

You cannot help the wage-earner by pulling down the wage-payer.

You cannot help the poor by destroying the rich.

You cannot further the brotherhood of man by encouraging class hatred.

You cannot establish sound security on borrowed money.

You cannot keep out of trouble by spending more than you earn.

You cannot build character and courage by taking away a man's initiative and independence.

You cannot help men permanently by doing for them what they could and should do for themselves.

—Abraham Lincoln

Quoting Others

There may be men who can live without political rights and without opportunity of free individual development, but I think this is intolerable for most Americans. — Albert Einstein.

The Illuminator

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Electric Utilities Achieve New Records In 1961

During 1961 the total electric utility industry achieved new records in power production, capability and sales—despite a business recession in the first months of the year and a lower than expected increase in business activity during the later months.

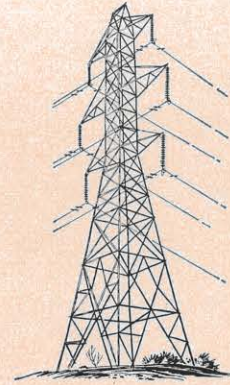
This continued growth maintained the United States' commanding lead over all other nations in the world in electric power.

During the year, too, investor-owned electric companies announced plans for an \$8-billion, 10-year program to strengthen and add to their nationwide network of transmission lines. This will more than double the present company investment in transmission facilities.

Preliminary figures indicate that output of electric energy by the total electric utility industry in the contiguous United States, including industrial plants contributing to the public supply and net imports, reached an estimated 803.1 billion kilowatt-hours in 1961. This record high represents an increase of some 38.2 billion kilowatt-hours, or 5 per cent, over the 1960 output of 764.9 billion kilowatt-hours.

With the addition of power generated by railways and industrial plants not contributing to the public supply, and of generation in Alaska and Hawaii, United States output is expected to have reached 882.3 billion kilowatt-hours. Excluding imports, the nation's total power production in 1961 was 880.1 billion kilowatt-hours, compared to a total of 843.6 billion kilowatt-hours for the previous year.

This report on our industry during 1961 was condensed from one written by Philip A. Fieger, president of the Edison Electric Institute and chairman of the board and president of Duquesne Light Company.



At the beginning of 1961, the United States had more than 373,000 circuit miles of overhead transmission lines of 22,000 volts and above. During the year, 15,000 more circuit miles of line were added, bringing the total to 388,000 miles.

Nearly all power systems east of the Rockies, including over 100 companies in 32 states, are now interconnected. West of the Rockies, interconnection has been an accomplished fact for several years, both in the Pacific Northwest and the Pacific Southwest.

Preliminary estimates indicate that in December 1961 the power-producing capability

of the total electric utility industry in the contiguous United States, including industrial plants contributing to the public supply and net imports, reached a new high of 187.9 million kilowatts. This represents an increase of 13.0 million kilowatts, or 7.5 per cent, over the 1960 capability of 174.9 million kilowatts.

Of the industry's total 187.9 million kilowatts of capability, 147.9 million kilowatts, or 78.7 per cent of the total, were supplied by the investor-owned companies. The remaining 40.0 million kilowatts, or 21.3 per cent, were supplied by government-owned or government-financed power agencies.

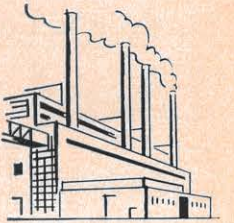
Including railways and industrial plants not contributing to the public supply, the nation's total electric generating capability is estimated to be approximately 204.6 million kilowatts, an increase of 13.0 million kilowatts over 1960. Including Alaska and Hawaii, total capability available to the United States is estimated to be about 205.5 million kilowatts.

According to preliminary estimates, the electric utility companies' construction expenditures for plant and equipment during 1961 were equivalent to over 10 per cent of the new construction of all American business (excluding agriculture) during the year, reaching a total of \$3.48 billion and bringing their total investment in electric plant and equipment to approximately \$49 billion at the end of the year.

The companies' 1961 expenditures on new plant and equipment were the third largest in history. They represented an increase of \$150 million over the 1960 figure of \$3.33 billion.

Economists tell us that capital expenditures for new plant constitute an important factor in creating jobs and purchasing power. In 1961, as in the past, the companies' spending for plant and equipment was the largest of all industries in America. The investor-owned electric utility industry represents about 12 per cent of the total net capital investment in all U. S. business.

(See *Electric Utilities*, Page 7)



Proposed Tax-Relief Legislation May Exclude Electric Utilities

When the 87th Congress convenes for its second session on January 10, one of the first bills expected to be considered is tax legislation that would grant tax relief to all corporate taxpayers except for certain utilities, including electric utilities.

The proposed legislation, released by the House Ways & Means Committee last August as a draft "discussion" bill, would permit corporations to reduce their income tax by 8% of their investment during the year in new machinery and equipment. The bill as written specifically excludes all utilities except railroads and gas transmission companies.

In a recent statement on the subject, Donald C. Cook, president of AEP and of our companies, said: "To deny utilities a tax reduction available to all others, including many competitors, is unfair and detrimental both to their customers and to the holders of their securities, and particularly unfair in view of the fact that this is one of the few tax alleviation bills which have been considered in recent years. If the proposed tax credit is to be adopted, it is vital that electric utilities not be singled out for discriminatory exclusion but be treated in the same way as other corporate taxpayers."

Purpose of the proposed legislation is to stimulate the economy by providing a substantial tax incentive to increase capital investment—thus fostering expenditure and creating more jobs. Reasoning behind the exclusion of the electric utilities as a beneficiary of the substantial tax reduction is that the amounts which the utilities spend on construction are said to be unaffected by whether or not a tax incentive is available and these utilities are said to be not subject to competition.

Mr. Cook wholly disagreed with these assumptions, declaring that "nothing could be further from the truth."

He pointed out that availability of a tax reduction related to capital investment would reduce the carrying costs of such investment and enable a utility to accelerate its construction program. Recent experience has shown, he said, that tax incentive does in fact lead to substantially increased investment by utilities, citing the construction pick-up resulting from the necessity certificate (or "fast write-off") program adopted by the Federal Government during World War II and the Korean War to facilitate expansion of defense-vital industry. He added that such a tax reduction also would help enable a utility to hold down its rates, thus increasing the demand for electric power, which in turn would lead to more construction.

Mr. Cook emphasized that the assumption that electric utilities are not subject to competition is false. "They do indeed compete—with other fuels and with other electric utilities. Also, an industrial company which is a large user of electric power, and which would be eligible for a tax reduction, might very well decide to provide its own generating facilities if there were a cost advantage. There are endless uses for electricity, and, in fact, it competes with all other goods and services for the consumer's dollar."

news events in brief

APPALACHIAN—The 10,000 barrier has been passed in Dusk to Dawn lights in Appalachian territory. A total of 1,427 sales between November 15 and December 15 pushed the company's total to 10,088, with 7,341 of them coming in 1961.

WILLIAMSON—Ground has been broken for the \$1,140,000 plant of National Seating and Dimensions Inc. at Varney. The firm will manufacture furniture parts cut to dimensions.

ASHLAND—Building specifications for a new rural school building have been changed from gas hot water to electric heat by the Boyd County Board of Education. The reason: the lower installation cost of electric heat will allow the board to add a room to the school, and to enlarge another planned school from 11 to 13 rooms.

KINGSPORT—Kingsport Utilities' average annual use per residential customer of 9,307 kilowatt-hours is second in the nation among 108 companies reporting to the Edison Electric Institute. This was revealed in EEI's October monthly report. Portland General Electric Company ranks first with 9,734 kwh.

BLUEFIELD—Production is ahead of schedule on the North American Aviation Company plant at Princeton, with completion scheduled for April. A contract for \$400,000,000, the largest ever awarded by the National Aeronautical and Space Agency, has been given North American. It is expected the contract will exceed one billion dollars over the next 10 years.

POINT PLEASANT—Contracts totaling \$5,442,104 have been awarded the Marietta Manufacturing Company for the construction of two ships for the Navy. This is on top of an earlier \$4-million contract from the U. S.

Coast Guard and Geodetic Survey. The work is expected to raise employment from 400 to a peak of 1,000.

BLUEFIELD—Iron ore prospecting in the Pearis and Wolfe Mountain regions of Giles County, Virginia is progressing. A Salem, Virginia contractor has two core drilling installations in operation. It is believed that the ore in two seams has a higher percentage of iron, and that it exists in greater quantity, than originally anticipated.

HUNTINGTON—An \$800,000 project including erection of a building and facilities for the installation and operation of a vacuum electric arc re-melting furnace, has been announced by International Nickel Company. The furnace will be used for the purification of ingots at a rate of 1,000 pounds per hour.

WELCH—Tests are to begin soon on a project that, if successful, would provide Buchanan County with an entirely new market for coal. The Jewell Smokeless Coal Corporation will build three test coke ovens near its No. 2 preparation plant on Dismal River, each oven costing \$40,000. If the test ovens can produce quality coke, suitable for present markets, Jewell plans the construction of 200 ovens in the Dismal River area. This future project would cost \$2-million.

KINGSPORT—The city's new J. Fred Johnson Memorial Library, using heat pump packaged units, has been dedicated. The library has 48,000 volumes, with room for 100,000.

ABINGDON—The Monsanto Chemical Company has leased the railroad station and two acres of land in Dunganon, Scott County, Virginia from the Clinchfield Railway. Object: a plant manufacturing an ammonium nitrate explosive and employing 10 persons.

345,000 Volts

Several Phases Progressing On Kanawha-Cloverdale Line

Several phases of construction are progressing on the \$8-million, ultra-high voltage electric transmission line being built by Appalachian from its Kanawha River plant at Glasgow, W. Va., to Roanoke, Va., a distance of 122 miles.

Workmen are concentrating at present on the 62-mile portion of the 345,000 volt line between Kanawha River and Lurich, Va., near the company's Glen Lyn, Va. plant, on the West Virginia-Virginia border. However, some right of way clearing has been started on the Lurich-Roanoke portion.

On the Kanawha-Lurich section, most of the right of way has been cleared by the New England Tree Expert Company of Clark Summit, Pa., which has the contract for clearing right of way for the entire line. In addition, construction work has been started by Collier Construction Company of Strongsville, Ohio, which will build the line.

Both conventional steel towers, which are self-supporting, and aluminum V-towers, which depend on guys for support, will be used on the line. Along the Kanawha-Lurich right of way, holes are being dug for foundations for the steel towers, and grillages, on which the bottom of the V-towers will rest, and anchors for the V-tower guys, are being set.

The line, which has as its ultimate destination the company's Cloverdale station north of Roanoke, will strengthen the eastern perimeter of both Appalachian and the American Electric Power Company. It will ultimately be part of the network that will tie the output of the Smith Mountain Combination Hydro-electric project, being constructed on Roanoke River down stream from Roanoke, to the Appalachian transmission system.

Use of aluminum towers is a "first" on a line of this size. Another new technique to be utilized will be the use of helicopters in some construction phases. The helicopters will be used to erect towers and assist in

stringing the conductor.

The next major phase of construction on the Kanawha-Lurich portion will be erection of towers, followed by stringing of conductors. On the Lurich-Roanoke section, right of way clearing will continue, to be followed by foundation digging and grillage and anchor setting.

Work on the line began in August and will take about two years to complete.

Cook And Winne Appointed To New System Committee

Appointments of Donald C. Cook and Harry A. Winne as members of the American Electric Power Company's newly created System Development Committee have been announced by the board of directors. Philip Sporn's appointment as chairman of the committee had been previously announced.

Mr. Cook took office on December 1 as president of AEP and of its subsidiary companies, including our companies, succeeding Mr. Sporn upon his retirement. Mr. Sporn, Mr. Cook and Mr. Winne all are members of the AEP board and of its executive committee.

Mr. Sporn revealed that the System Development Committee plans to hold a series of regular meetings, as well as special meetings when required. He also announced the appointment of Abraham Gerber, his administrative assistant while president, as secretary of the committee and as a member of his immediate staff. The committee itself plans no staff, he said, but will work principally through the existing staffs of the AEP Service Corporation and the AEP system operating companies together with the staffs of manufacturing and research organizations and others with whom the System has worked so effectively in its past development.

Rains, Flood Put Cofferdams To Tough Test

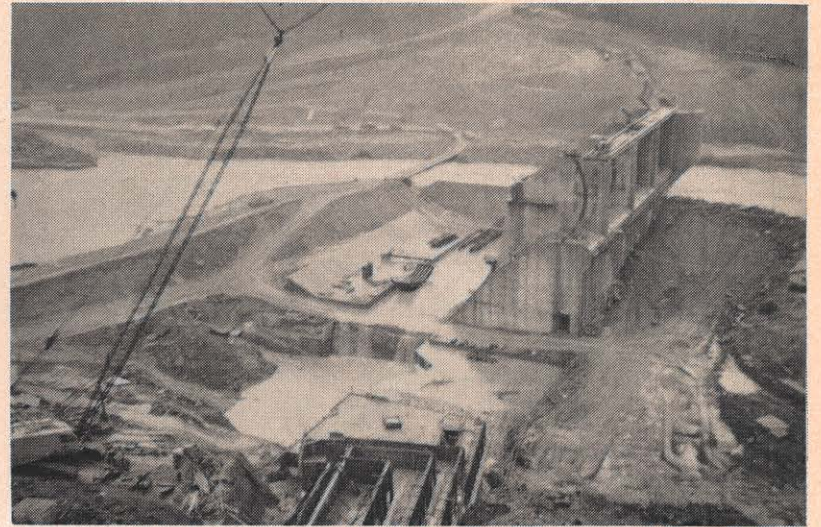
Diversion work at Appalachian's hydro-electric project on the Roanoke River passed a stiff test last month when the river, fed by days of rainfall, rose as much as 12 feet.

Coffer dams at Smith Mountain and Leesville successfully held back the river and emerged from the crisis December 12 substantially undamaged.

The only trouble came at Leesville. There, water rushing through the diversion channel at 21,000 cubic feet per second poured over a wall into the spillway section already completed, and from there into the powerhouse excavation. As soon as the water began to recede contractor's crews started the pumping-out and clean-up work. Only a minor delay in the work resulted from the flooding. The water here rose 12 feet, as opposed to nine feet at Smith Mountain, because of the Pigg River emptying into the Roanoke 13 miles above Leesville dam.

At Smith Mountain, even with a nine-foot rise, no trouble was experienced. The diversion channel there is designed to handle 18,000 cubic feet per second, and the flood reached only 10,500.

Approximately 53,000 cubic yards of concrete have been placed in the Leesville structure, and the north gravity section is taking shape. Founda-



A flash flood, fed by heavy rains and the Pigg River, cascaded against the Leesville dam earthworks last month, with results shown here. The coffer dam enclosing the project held firm, but the high water in the diversion channel, background, spilled over the concrete retaining wall, into the spillway section of the dam, already completed, and from there into the powerhouse excavation, foreground. This happened on the afternoon of December 12. By the morning of December 14, the whole section had been pumped out, and the serious work of dam building resumed.

tions for the draft tubes, and concrete dental work in the powerhouse section are nearly complete.

Excavations for the powerhouse section at Smith Mountain, which went 40 feet down into the riverbed, are virtually completed. Thirteen thousand yards of concrete have been placed on the upper project, on both sides of the river.

Sporn Named AIEE Honorary Member

A certificate of honorary membership has been voted to Philip Sporn, retired AEP president, by the board of directors of the American Institute of Electrical Engineers.

The certificate will be presented to Mr. Sporn at the annual winter meeting of AIEE in New York, January 28-February 2.

Mr. Sporn is the 48th man elected to honorary membership in the world-wide representative society of the electrical engineering profession since it was organized in 1884. He will join the company of such men as Lord Kelvin, Cyrus Field, S. P. Thompson, Guglielmo Marconi, Marshal Ferdinand Foch, Herbert Hoover, Edwin H. Armstrong and Vannevar Bush.

I&M, Ohio Power Men Take 'Operating Ideas' Honors

First-place prizes of \$300 each have been won by Gerald L. Bridgewater of Indiana & Michigan Electric Company and T. J. Harding of Ohio Power Company in the contest for the best annual *AEP Operating Ideas* in 1961.

C. F. Nieter and Wayne Polsley, both of I&M, took the \$150 second prize and \$100 third prize.

In a separate judging for the AEP Service Corporation, W. H. Johnson and W. E. Mekolites shared a first prize of \$300, and S. H. Horowitz was awarded a \$100 second prize.

All prizewinners received letters of commendation from Donald C. Cook, president of American Electric Power Company and of our companies.

Mr. Bridgewater, who is a senior right-of-way agent in the Fort Wayne division, tied for first place with his description of the division's work with city and county planning commissions to provide adequate utility easements in real estate developments. The article was published in the January issue of *Operating Ideas*.

Mr. Harding, maintenance foreman at Muskingum River plant, shared top honors with his design of a flexible metal seal for boiler dampers. The seal allows men to work on gas fans while a boiler is in operation without danger from flue-gas leakage. A description of the seal appeared in the October issue.

Mr. Nieter, senior distribution engineer in the South Bend division, compiled charts and tables for use in designing overhead distribution lines, a convenient tool that simplifies the complex National Electric Code. This saves considerable time and helps to avoid errors due to misinterpretation of the Code. His contribution appeared in the February issue.

Mr. Polsley, supervising engineer—substation in the Marion-Muncie division, designed a slide chart to aid in paralleling transformers, thus making it easy to reduce outage time and restore service faster. The chart shows how to make the proper con-

nections on transformers without performing engineering calculations. It was described in *Operating Ideas* for April.

In the Service Corporation contest, W. H. Johnson, head of the distribution engineering section, and W. E. Mekolites, distribution engineer, collaborated in a basic change for distribution transformer design that promises reduced costs. They also took the initiative in promoting the idea to other utilities to help encourage production of the new design. Their contribution appeared in the March issue.

S. H. Horowitz, new head of the Service Corporation's relay section, explained and demonstrated the use of the portable oscillograph on the System to analyze operating conditions, including relay and breaker performance. His article was carried in January.

Moore Promoted To Ashland Post

Gene Moore, Ashland district general foreman, has been promoted



Mr. Moore

to district superintendent of the T&D department. He succeeds D. V. Lockwood, who retired January 1.

Mr. Moore was employed in the Pikeville district in 1936 as a groundman, later serving as a lineman. He transferred to Ashland in 1945 as a line foreman. He was promoted to general foreman in 1955 and has been working directly with Mr. Lockwood for the past six years.

He attended Pikeville College and is a native of Pike County. He is married and the father of four children.

Eddie Johnston, Engineer, Dies



Mr. Johnston

Edward F. Johnston, senior operating engineer for the system, died at his home December 15. He was 51.

Mr. Johnston joined the company in October 1935 in the Charleston district as an electrician. In 1939 he became a system operator at Turner station in Charleston. He transferred to Roanoke in 1949, became administrative assistant in 1955, and senior operating engineer in 1959. He had completed 26 years of company service.

He is a native of Princeton, West Virginia, was a member of the Lakeland Masonic Lodge and Scottish Rite Bodies of Roanoke, and a charter member of Hidden Valley Country Club. He was a member of Christ Lutheran Church. He earned a number of trophies and awards for his golfing abilities.

Mr. Johnston is survived by his wife, two sons, two brothers and three sisters. Funeral services were held at Oakey's Chapel, and burial took place in Evergreen Cemetery.

Roanoke First Again



The Roanoke district, for the second year in a row, has won "The Illuminator" Award. Here, D. E. Trout of personnel, correspondent for the district, and "Illuminator" Editor C. Richard Lovegrove discuss one of the stories that Mr. Trout wrote for the employee newspaper during the year. Mr. Trout accepted the award at a supervisors' meeting. Also recognized were five other correspondents who contributed outstanding work during 1961. In the order of their finish, they were Loyd Smith, Lynchburg, second; Ira Henderson and Carol Shockey, Bluefield, third; John Gates, Beckley, fourth; and W. Z. Trumbo, Kingsport, and Azel McCurdy, Huntington, tied for fifth. Judging among the 23 districts and plants is based on a forecast of monthly news, promptness in meeting deadlines, balance between employee and company news, variety and originality, and quota.

New Station, New Equipment



Energizing a new station, embodying for the first time a new principle in interrupting load current, is E. E. Ratliff, Danville operator, right. With him at the Corning Glass 69-kv station are: D. G. Merriman, station man, left, and W. G. Gourley, district superintendent. The new switcher is a device that can be installed in lieu of an oil circuit breaker where its duty requirements are light enough. The new 3750-kva station and an eight-mile 69-kv line serve the Corning Glass plant at Danville, in the Fieldale district.



C. J. Bryan, assistant general manager, was elected second vice president of the Kingsport Chamber of Commerce and a member of the board of trustees of Carson-Newman College.



Clinch River Plant

Wives were guests at the annual Veteran's Club banquet in Lebanon. The club has increased its membership to 14 employees.

Bluefield

In church news, Grady L. Parker, commercial sales engineer, was elected ruling leader of the Princeton Presbyterian Church, where Jerry R. Whitehurst, division area development representative, was named a deacon . . . Frances Harvey, home service representative, and Frances Keller, secretarial-stenographer, attended the class party at the Medical College of Virginia . . . Mrs. W. S. Jones, wife of the double test engineer, was elected president of the Fairview PTA.

Welch

C. K. Kirkland, district manager, was appointed to the advisory board of the McDowell County Civil Defense Unit . . . David L. Kendrick, Jr., commercial sales representative

in Grundy, was selected a deacon in the Buchanan First Presbyterian Church . . . And Mrs. W. T. Collins, wife of the Grundy local office supervisor, sang a solo in the Christmas Cantata presented at the Grundy Presbyterian Church.

Pulaski

B. B. McCall, division power sales engineer, and Robert H. Love, electrical engineer, modeled ladies' fashions at the recent Claremont PTA fashion show . . . Mr. McCall was named to the board of the Pulaski Chamber of Commerce . . . S. A. Dewey, commercial sales engineer, was named to his second three-

Employee To Head County Chamber

At the annual meeting of the Buchanan County Chamber of Commerce, David L. Kendrick, Jr., division commercial sales representative in Grundy of the Welch district, was elected president for 1962.

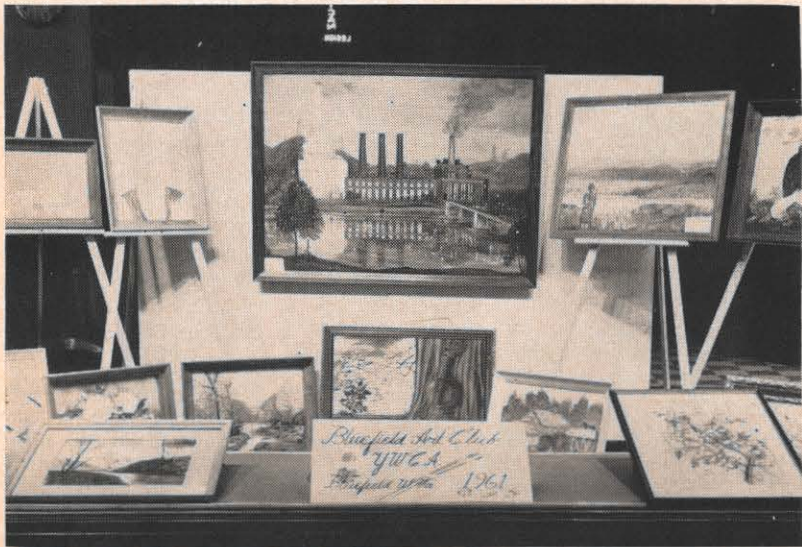


Mr. Kendrick

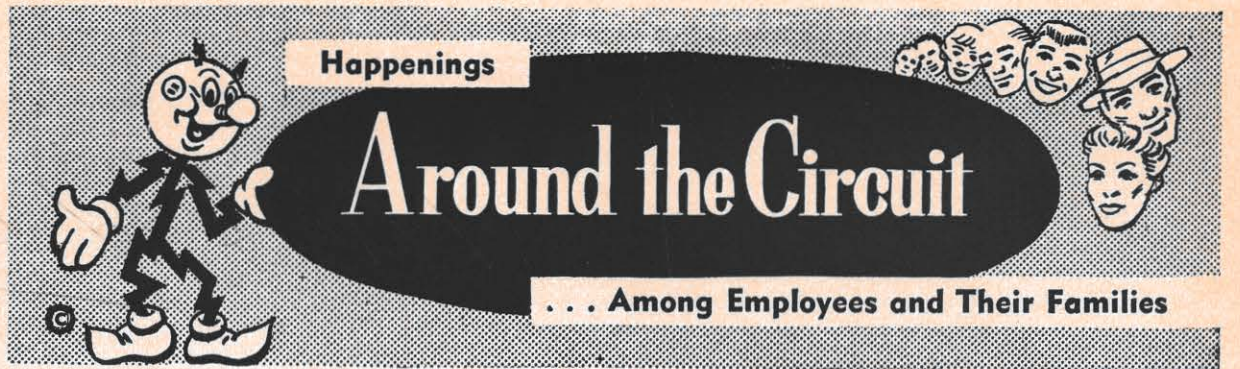
1953. He assumed his present duties in June 1958 after working in the accounting department in both places.

He holds a degree from Virginia Polytechnic Institute, and has done some correspondence courses in industrial engineering. Mr. Kendrick is a Rotarian, an Elk, a Shriner, and a Presbyterian.

Plant In Oils



The featured work in the recent exhibit of the Bluefield Art Club was a 36 x 48 inch oil painting of the Glen Lyn plant. It was the product of many trips to the plant by the artist, Mrs. Allyeu Wilburn. She is the instructor in the class, and once studied art in Korea. The exhibit was put in one of the front windows of the Appalachian office, and was a project of the Bluefield YWCA.



year term as a deacon of the First Presbyterian Church.



Lynchburg

Mrs. Ralph E. Johnson, wife of the credit and collection clerk, was elected secretary of the Virginia Baptist Alumni Association.

Smith Mountain

Welcome to new employees Joe Divers, engineer-chairman-rodman, and Joyce Crider, clerk . . . Congratulations to Karen Snodgrass, daughter of Earle Snodgrass, resident engineer, who has been named to the Virginia All-State Band for the third year. She is 17.

System

Welcome to Billy G. Hughes, new system transmission line employee in Bluefield.

Roanoke

E. M. Payne, head material clerk, has been appointed assistant Scoutmaster of Troop 216 at Green Ridge Presbyterian Church . . . J. D. Lawrence, division manager, and J. L. White, division supervising engineer, were elected vestrymen of St. John's Episcopal Church for three year terms . . . Michael Henry, son of D. W. Henry, assistant stores supervisor, has won an award for designing the picture of the school administration building which appears on the new William Fleming High School senior class ring. He is a sophomore who plans a career in commercial art.



Philip Sporn Plant

A high honor has come to Edwin O. Baldwin, maintenance man. He was one of three Mason County men to have been invited to participate in Governor Barron's non-partisan Citizens Conference for study of legislative matters. The conference is a sounding board of public opinion.

Charleston

Employees extend a welcome to Rosalie Ranson, new employee in the T&D engineering section . . . Jack Lloyd, area development representative, has been elected treasurer of the Mountain State Visitors Bureau and secretary of the West Virginia Industrial Development Association . . . The Five Amps bowling team of the Charleston league finished 11th in the recent city tournament of the Charleston Women's Bowling Association. Participating were Barbara Adkins, Judy Hackney, Conda Fisher, Chris Mitchell and Margaret Coffey, who substituted for Jo Ann Jarrett . . . Georgie Sevy, managerial secretary, sang with the choir of the Calvary Baptist Church in its Christmas season appearance on television over a Charleston station . . . Beulah

Johnson, meter section stenographer, was elected state vice president of the Baptist Business and Professional Women.

Point Pleasant

It was a month of honors to members of employees' families . . . Among employees' children, Bettina Ann Bias, 16-year-old daughter of L. C. Bias, district office supervisor, was elected chairman of the citizenship committee of the program area in the Huntington District Methodist Youth Fellowship. She was also named recreation leader of the Tip Top Toppers 4-H Club . . . Shirley Gilmour, daughter of W. C. Gilmour, administrative assistant, was appointed superintendent of Christ Church Sunday School . . . Roger Pancake, son of W. M. Pancake, draftsman, received a football letter from his school . . . Employees' wives were honored too . . . Mrs. W. F. Machir, wife of the record supervisor, won second place for a large bronze mum in the Fall Flower Show . . . Bernadine Gilmour, wife of W. C. Gilmour, was named chairman of Lambda Chi Omega Sorority's national philanthropic committee . . . Harold Whitehouse, husband of Lelia Whitehouse, janitress at Ripley, was appointed chairman of the blood service committee for the Jackson County Chapter of the Red Cross . . . O. C. Hall, district superintendent, was elected to the board of the Point Pleasant Chamber of Commerce.

Hazard

Congratulations to C. A. Zoellers, district commercial supervisor, who was elected chairman of the Perry County Chapter of the Red Cross.



Williamson

Emma Warren, maid, has been elected Daughter Ruler of the Prodigal Guide Temple 316, IBPO Elks of the World, for the fifth consecutive term . . . Mrs. E. E. King, wife of the district superintendent, has been elected president of the Rotary Anns . . . Mrs. E. J. Clouser, wife of the district personnel supervisor, has been elected secretary of the Tug Valley Community Players, Inc.

Kiwanis At Hazard, Abingdon Elect Two



Mr. Caudill

Mr. McPherson

Heading the Kiwanis Clubs in Hazard and Abingdon next year will be Jack Caudill and L. F. McPherson, Jr.

Mr. Caudill, Hazard area sales representative, is immediate past president of the Perry County 4-H Club Council, and a member of the Hazard Chamber of Commerce, Doermann Memorial Presbyterian Church and Masonic Lodge F&AM 754 of Whitesburg. He is married.

Mr. McPherson, Abingdon district manager, was vice president of the club this year. He is on the board of Abingdon Industrial Development Corporation, the Washington County Industrial Foundation and the Glenrochie Country Club, is a member of the executive committee of Johnston Memorial Hospital and a member of the Abingdon Baptist Church. He is married and has one son.



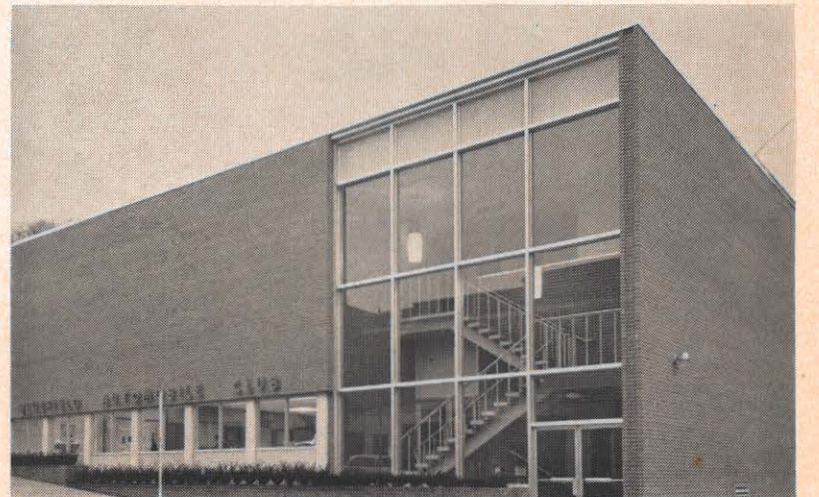
Ashland

Two employees have resigned—Hugh Ward, material clerk, and Nancy Hearne, home service representative.

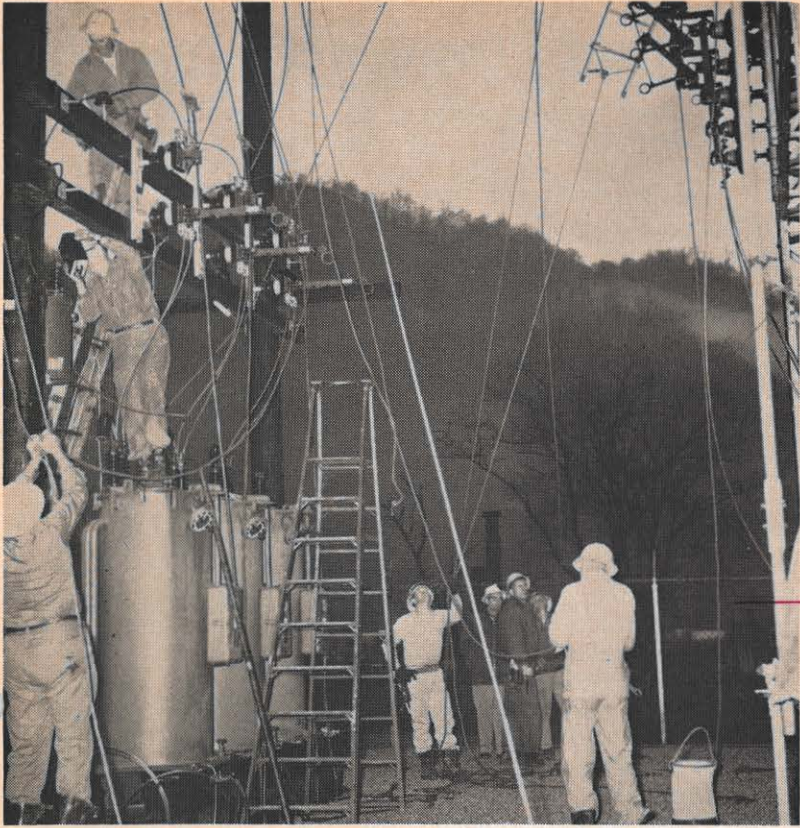
Pikeville

Women employees honored Dorothy Ford, who has resigned as accounting stenographer, at a dinner, where she was presented a gift . . . Welcome to Peggy Ann Maynard, new accounting clerk trainee . . . H. H. Kincaid, district manager, was elected vice president of the Pikeville Kiwanis Club.

Heat Pump-Equipped



This sparkling new building, headquarters of the Bluefield Automobile Club, is equipped with two 15-ton heat pumps for heating and cooling, and a total load of 170-kw. It's an 8,000-square-foot building that cost \$150,000.



Completing a \$190,000 project designed to increase the amount of electricity available to residents of the Gilbert area in Logan district, a new station there is energized. Employees shown in the picture during the changeover from a mobile station to the new station are G. W. LeGrande, E. M. Jeffreys, J. J. Pearl (top), J. C. LeMaster, J. L. Richmond, J. B. Buskirk, H. K. Spears, and Paul Adams.



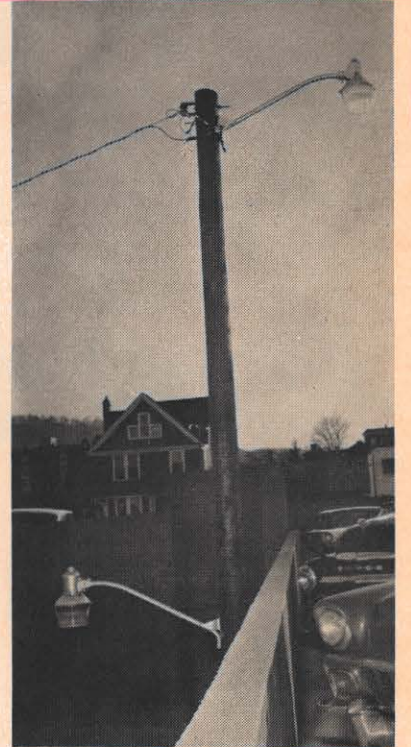
Half-frozen but happy after an icy visit to Smith Mountain are these women of the Lynchburg district office. The trip was arranged because they had heard so much about the project, but had never seen it. In left picture are Vivian Sydner, Margaret Floyd, Kitty Jessee, Hazel Bell, Jeanette



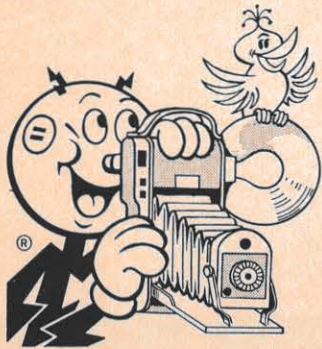
Almond, Sally Pollok, and Jane Armistead. In right photograph are Bessie Johnson, Kay Hudson, Agnes Dillard, Charlene Thompson, Rose Harvey, Joyce Brown, Jane Plunkett, Judy Irby, Anna Lackey, and Anne Cothren.



A new application of Dusk-to-Dawn lighting, and a new way of installing them are shown in these two pictures, above and right. Before a light can be installed it has to be assembled and wired; and since the arm of the light is bent, this can be an awkward task. The Tazewell line crew of the Bluefield district devised a simple system to do a better job; they installed a bolt stud in the back of the truck and the arm is hooked on. Smith Compton, groundman, and Joe Claytor have just finished one light. At right, lighting two levels of a Roanoke parking lot is a unique two lights-on-one pole installation. It was sold by T. C. Smith, Roanoke division dealer sales representative, who has sold 223 since April.



In the course of highway widening work near Welch, a dynamite blast scattered rocks in all directions, one of them smashing this service pole and breaking it as shown here. By a rarity no outage resulted from this mishap, even though some equipment was damaged.



Camera Roundup



The Camavo Club, composed of district and division employees on the first and second floors of the General Office Building in Roanoke, have elected new officers. From left they are J. E. Hopkins, vice president; Patricia Stowers, secretary; T. A. Kirby, president, and Bertha B. Leffler, treasurer. In the photo at bottom are new officers of the McDowell County Benevolent Association. They are, l. to r., Janet Browning, treasurer; Charles I. Taylor, chairman, and Dorothy Lawless, secretary.



Roanoke employees learn how to lift a victim on to a stretcher in a recent first aid class. M. P. Paitsel, C. L. Musselman, and M. L. Croft are carrying Carolyn Stamback.



John Frazier, right, instructs F. H. Reese and Elmo Thaxton on proper methods of transportation of injured during a Charleston first aid class.



Scouts and a Scoutmaster were much in Appalachian news last month. At left, Marshall H. Fletcher receives the Eagle Scout award from his aunt, Mrs. Howard B. Hout. Others are, from

left, J. A. Porter, scout official, Mr. Hout, division station engineer in Huntington, and Rev. Royce McDonald. In the center picture, Harvey L. Agee, division meterman at Fieldale,



accepts a troop charter from W. F. Stone, a Virginia state senator. Mr. Agee is scoutmaster for Troop 166, and has been active in Scouting for six years, and was elected to the



Order of the Arrow last year for services to Scouting. At right, Phillip Hughes receives his Eagle Scout Award from his mother while his father, J. P.

Hughes, electrical engineer in Beckley and young Phillip's scoutmaster, watches. At left is Rev. H. A. McClung. (Beckley Post-Herald photo)

24 Work Simplification Proposals Approved

Transformers, elevators, street lights, poles and boilers were just some of the subjects of 24 Work Simplification proposals approved in the division of their origin during October and November.

October

At Logan, R. D. Blevins of commercial suggests locating the pole tag making machine closer to the engineering section, since it is responsible for making the tags.

E. F. Lacy, Jr., Roanoke division meter, suggests eliminating the "inactive" file for service orders, using only the "superseded" file, eliminating one file and two filing operations. And Hurd S. Mason, Fieldale stores, proposes requiring manufacturers to provide Dusk to Dawn light brackets with holes for grounding connector already drilled.

R. C. Nickols and M. L. Saunders, Pulaski T&D, suggested modifications and a procedure that simplifies maintenance of reclosers. S. H. Bryant, Pulaski T&D, proposes that he as a serviceman can install Dusk to Dawn lights without requiring the help of a groundman, who is usually located several miles away. This would save time and travel miles. And J. B. Brillheart of T&D suggests a way of eliminating unnecessary ink-linen drawings.

Five suggestions came from Philip Sporn plant. J. H. Grimes, operations, proposes installation of a valve so that individual evaporators can be removed from service without removing all of them. W. R. Hayes, maintenance, suggests a trailer for hauling welders and other equipment, freeing the plant pickup truck for other assignments. H. R. Fry, Jr., maintenance, proposes installing heavier metal guards around boiler drum water gauge glass for more protection. C. D. Yeager, maintenance, suggests an extra set of sockets installed on elevator cables before the cables are put in place, eliminating delays in getting the elevator back into service. And P. E. Theis, accounting, suggests buying purchase supply certificates from Addressograph-Multigraph Corporation for ordering supplies at a reduced price.

At Cabin Creek plant, W. R. McDaniel, results, describes a method of periodic checking of steam traps in an effort to reduce steam loss. L. O. McKinney, transformer, and Ed Jarrett, labor, propose a new route for delivering transformers to the plant's repair shop, saving many hours and labor. And O. A. Hesson, maintenance, and R. E. Morrison, production, tell how time was saved by

blasting handpole plates with aluminum oxide to clean them.

November

Six suggestions came from Kanawha River plant. F. W. Holdren, maintenance, describes a method of tagging broken tools, with similar tags placed in the foreman's office, to keep track of what needs repairs. A. D. Kraft, office, suggests attaching a duplicate copy of a motor freight express bill to the petty cash check to eliminate the need for a letter of transmittal. J. L. Kern, results, suggests using vacuum tube rectifiers rather than selenium rectifiers to save replacement money.

G. Youell, Jr., results, describes a screw now being used in the carriage shaft that doubles the life of the shaft. W. J. Buchanan, maintenance, had two ideas. One had to do with salvaging the stained glass in boiler aspirating doors, and the other described using a 20-tooth segment instead of individual teeth in clinker grinder rolls.

Lloyd Miller, Roanoke division commercial, describes a form letter sent customers exceeding their equalized billing. The letter replaces phone calls and visits, saving the company time and giving the customer more of an opportunity to decide on a new billing contract. A. M. Beatty, Roanoke stores, suggests separating "ship to" and "mail invoice to" spaces on Form 831 Purchase Order to cut down on material being mis-sent to Roanoke.

J. R. Martin, Lynchburg T&D,

says that, where applicable, spool bolts should be used rather than more expensive clevises in installing street light control wire. L. R. Hudson, Lynchburg T&D, describes a travel time table that makes figuring travel time of field crews easier and quicker.

To Return Home Is Retiree's Plan



Mr. Lawson

Residence at his boyhood home in Mount Hope, West Virginia, is the major plan of Roy E. Lawson, turbine operator at Cabin Creek plant. He retired December 1.

Mr. Lawson joined the company in 1943 as laborer at the plant.

He and his wife have raised a family of eight children, and have 13 grandchildren.

Back home in Fayette County, Mr. Lawson hopes to spend some time on his favorite hobby of hunting.



F. M. Jennings
Ashland
30 Years

G. W. McAbee
Huntington
25 Years

C. O. Patterson
Cabin Creek
25 Years

G. K. Sands
Pulaski
25 Years



E. L. Stein, Jr.
Sporn Plant
25 Years

F. B. Woods
System
25 Years

C. K. Orr, Jr.
Cabin Creek
20 Years

J. I. Schultz
System
20 Years



C. E. Morrison
Huntington
20 Years

D. C. Keyser
Ashland
20 Years

J. G. Hunt, Jr.
Roanoke
20 Years

O. S. May
Roanoke
20 Years



A. L. Hall, Jr.
Roanoke
20 Years

SERVICE
These pins are awarded in recognition of years of faithful service. Each of these pins also recognizes the part the employee has played in the progress of the company during these years of service.

Kingsport Vet Is Now Retired



Mr. Hatcher

Tipton Hatcher, Kingsport T&D clerk, has retired after 16 years of service.

Prior to joining the company, he was employed with the Holston Ordinance Works in Kingsport and with the Frigidaire division in Dayton, O.

Married, Mr. Hatcher and his wife are active in the First Christian Church.

Hydro Operator Dies In Pulaski



Mr. Thompson

Bennett E. Thompson, 61, Claytor hydro plant operator in the Pulaski district, died December 5.

He joined the company in January 1939 at Claytor as a maintenance man. He worked in several jobs at the plant, moving to hydro operator in 1946.

Mr. Thompson was a member of the Methodist Church.

Surviving him are his wife and two sons. Funeral services were conducted at Strickler's Funeral Home.

Grundy Foreman Has An Article In EL&P

Frank E. Wells, working foreman at Grundy of the Welch district, wrote an article appearing in the December 15 issue of *Electric Light and Power*.

The article, "Sled Aids Transformer Handling," appeared in the Utility Man's Notebook section.

Two-Gallon Club Welcomes Reese

R. W. Reese, engineering aide in Roanoke, has joined the group of employees who have contributed two gallons of blood through the Red Cross.

He contributed his first pint in 1951, three years after he joined the company as a clerk in the T&D engineering section in Roanoke.

Mr. Reese is a member of the Cave Spring Baptist Church, where he serves as assistant scoutmaster, usher, and president of his Sunday school class. He is married and has a son and a daughter.



Mr. Reese

Five Changes Made In AEP Engineering

Five members of the AEP Service Corporation's electrical engineering division have been promoted.

Arthur Hauspurg, previously head of the relay section, and J. D. M. Phelps, previously head of the plant and station section, have been promoted to assistant heads of the electrical engineering division.

The relay section has been divided into two sections: relay—responsible for all relaying and control in substations and installations other than at generating plants, and electrical control—responsible for all generating plant electrical controls. S. H. Horowitz, previously assistant head of the relay section, has been named head of the new relay section. W. S. Morgan, senior engineer presently responsible for generating plant controls, has been appointed head of the new electrical control section.

V. P. Rader, staff engineer, has been promoted to head of the plant and station section.



Appalachian Power Company

Abingdon District—15 YEARS: H. S. FOGLEMAN, T&D clerk; T. J. OVERBAY, lineman.

Beckley District—15 YEARS: C. H. BUCKLAND, station man helper; E. J. WOOD, lineman. 10 YEARS: E. W. VEST, meter reader. 5 YEARS: L. W. SWANIGAN, groundman.

Bluefield District—15 YEARS: OSCAR W. ADAMS, area supervisor; HARRY D. SMITH, meter reader; ROBERT R. JONES, working foreman.

Cabin Creek Plant—25 YEARS: C. O. PATTERSON, boiler operator. 20 YEARS: C. K. ORR, boiler operator.

Charleston District—15 YEARS: DANIEL M. ACELA, lineman; HERNDON M. BAILEY, lineman; GLENN R. YOUNG, lineman. 10 YEARS: LEWIS E. DUFF, meterman.

Huntington District—25 YEARS: GEORGE W. McABEE, meter service helper. 20 YEARS: CLAUDE E. MORRISON, auto repairman helper. 15 YEARS: ROBERT A. KING, dealer sales representative. 10 YEARS: BETTY G. ADKINS, PBX operator; RAYMOND R. BECKETT, meter serviceman.

Lynchburg District—35 YEARS: B. L. BURNLEY, street light attendant. 20 YEARS: B. H. MONROE, JR., meter serviceman. 15 YEARS: S. L. DRUMHELLER, lineman; C. H. MORRIS, T&D clerk; R. E. WELLS, groundman. 5 YEARS: ANNIE R. COTHRAN, cashier-clerk.

Pulaski District—25 YEARS: GEORGE K. SANDS, T&D clerk. 15 YEAR VIRGINIA L. GILLENWATER, cashier-clerk.

Roanoke District—35 YEARS: E. L. WIRT, material clerk. 20 YEARS: A. L. HALL, JR., head meter reader; O. S. MAY, lineman; J. G. HUNT, JR., heating and builder sales representative.

Philip Sporn Plant—25 YEARS: EDWAIN L. STEIN, maintenance supervisor. 10 YEARS: GILBERT C. HART, instrument maintenance man; GLEN HUFFMAN, conveyor operator; TROY S. SAYRE, instrument maintenance man.

System—25 YEARS: F. B. WOODS, stores classification clerk. 20 YEARS: J. I. SCHULTZ, control clerk. 15 YEARS: VIRGINIA C. BRIGHT, invoice and order clerk. 10 YEARS: W. C. ADAMS, system station operator; C. H. BONDURANT, electrical engineer; D. O. FRANGO, system station man.

Welch District—35 YEARS: R. F. JACKSON, T&D clerk. 15 YEARS: C. E. DANGERFIELD, meter serviceman.

Kentucky Power Company

Ashland District—35 YEARS: VIRGIL L. BREWER, draftsman. 30 YEARS: F. M. JENNINGS, purchasing agent. 20 YEARS: DONALD C. KEYSER, assistant invoice and accounts payable supervisor. 15 YEARS: WALTER LE-MASTER, PBX operator.

Hazard District—15 YEARS: CARL LEE MADDEN, meter serviceman; ROY NAPIER, head meter clerk; C. A. ZOELLERS, district commercial supervisor.

Pikeville District—15 YEARS: JOHN H. TURNLEY, serviceman.

Kingsport Utilities, Inc.

5 YEARS: HOYETT R. MORRISON, lineman.

Electric Utilities ... (Continued from Page 2)

It was a record year for sales in the total electric utility industry, with advances in all customer classifications, preliminary estimates indicate. Total sales for the year (including Alaska and Hawaii) are estimated at 720 billion kilowatt-hours, an increase of 5.4 per cent over the 1960 sales of 683.2 billion kilowatt-hours. Sales in the residential category increased by 6.3 percent during the year, commercial and industrial sales increased by 5.0 percent, and all other sales increased by 7.0 percent.

Over 1.2 million new customers were added by the industry in 1961, bringing the total to over 60.1 million customers. The companies' total at the end of the year was 47.4 million, compared to the 1960 total of 45.5 million customers. About 90 per cent of the new customers were in the residential category. The average annual use of electricity by residential customers for the total industry crossed the 4000 kilowatt-hour mark for the first time, reaching 4014 kilowatt-hours, 187 kilowatt-hours more than the 1960 record.

Electric utility companies rank first among the nation's industries in total taxes payable in support of local, state and Federal governments. In 1961, it is estimated that the investor-owned electric companies will have a total

tax bill on their electric operations of about \$2.45 billion. This is approximately \$120 million more than the 1960 figure. The largest share of the taxes paid by the companies, or rather by their customers, goes to the Federal government.

In 1961, the electric utility companies provided employment for some 335,000 men and women in nearly every part of the country. According to preliminary estimates, the companies paid out close to \$1.68 billion in wages and salaries during the year, an estimated increase of 3.7 per cent over the 1960 total of \$1.62 billion.

The cost of fuel constitutes one of the electric utility companies' most important items of expense. In 1961 it is estimated that the companies purchased about \$1.60 billion worth of coal, oil and gas, about 6.0 per cent more than the \$1.51 billion spent for this purpose in 1960.

Gross electric revenues of the nation's investor-owned electric utility companies in 1961 were \$10,265 million. According to preliminary estimates, this is 5.4 per cent higher than the 1960 record of \$9,738 million. Net income from all departments for 1961 reached an estimated \$1.85-billion, 5.7 per cent higher than the 1960 figure of \$1.75 billion.

System Man In Army; Located In Georgia

Gene R. Garner, formerly of the system transmission line department in Bluefield, has entered the Army.



Pvt. Garner

He is stationed at the Army Training Center at Fort Gordon, Ga. with Company C.

Private Garner, who was employed by the company January 6, 1958, is the son of E. R. Garner, system transmission clerk in Bluefield.

Hensley Retires In Lynchburg



Mr. Hensley

George C. Hensley, Lynchburg district line foreman, retired November 1 after 28 years of company service. He is taking early retirement because of ill health.

Mr. Hensley was employed August 31, 1933 as a lineman. In 1943 he was promoted to general serviceman, and in 1955 to the job he held at the time of his retirement.

He is a member of the Lynchburg Industrial Management Club, and is an ardent sportsman. He is especially interested in hunting and fishing.



Mr. Willis

Much Traveling Slated By Retiree

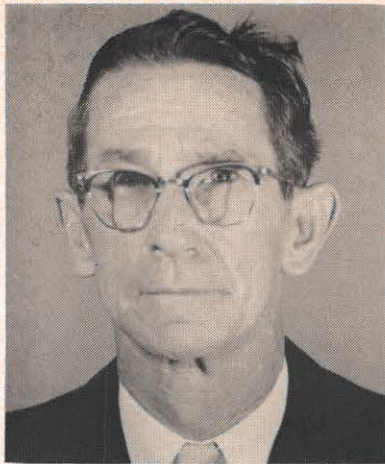
Florida, Kenova, W. Va. and Rhode Island are stopping points for Wayne D. Willis and his wife during travels they plan beginning this month.

The Huntington station man retired January 1 after 31 years of service. He joined the company as a groundman and has also worked as a maintenance man helper and maintenance man.

He was born at South Point, O. and is a member of the Methodist Church in Kenova. He has two sons and four grandchildren.

And they are some of the reasons for the traveling the Willises plan. First of all, they love to travel and own a 14-foot house trailer. They are going to spend the winter months in Florida at their cottage near Clearwater. One of their sons lives at Kenova and the other resides in Rhode Island and the couple will divide the summer months between the two.

In recalling his company service, Mr. Willis said: "I have spent 31 years with a wonderful company and a group of men that I have found to be generous, friendly and loyal. They have stood by me in sorrow and trouble and I wish to thank one and all." He concluded with an invitation to his friends: "When in Florida in the winter months, look me up. My address will be Box 414, Route 4, Brooksville, Fla."



Mr. Jones

Retirement Starts At End Of Work

There was no time lag between employment and retirement activity for Herman Jones, Charleston lineman. Immediately after work December 31 he left Charleston to spend the winter in Florida, the first winter of many he plans to spend there.

When he retired he has just three days less than 44 years of company service.

His retirement plans are general—enjoy himself, but he has no specific projects in mind. He is fond of woodworking, but his first love is dancing. He has three years of instruction from a well-known organization.

In his many years of service with the company he has seen many changes, all for the better. "It used to be," he said, "that a man had to work too long and too hard, then most of them had to go live with their children. Now a man can retire while he can still enjoy life, and never be a burden to anyone."

46-Year Veteran Retires At Ashland



Mr. Lockwood

D. V. Lockwood retired as Ashland district superintendent January 1 after 46 years with the company.

Employed by the Boyd County Electric Company, a predecessor company, in 1915, he worked as a laborer, lineman, troubleman, foreman and general foreman before his promotion to district superintendent in 1949.

A World War I veteran who served overseas, he is married and has one daughter and two grandchildren. His activities include serving in the Cannonsburg Baptist Church and in the Rural Lions Club. He and his wife recently moved into a new total electric home, the second house he has built.

His hobbies include woodworking and carpentry and he is an ardent model railroad fan. A few years ago he began playing golf, which was recognized at the district Christmas party when his fellow employees presented him with a set of golf clubs and a watch. He plans to spend some time in retirement with gardening, woodworking and golfing.

Employees Continuing Flow Of Ideas To AEP System's Operating Magazine

Five articles—almost one-third of those appearing in the December issue of AEP *Operating Ideas*—were written by seven Appalachian employees.

Kermit W. Fisher, Charleston station engineer, in his article "Avoids Tracing By Use Of Copy Film," describes the use of matte film for making a tracing-grade copy of a master map, on which additions and changes to transmission and distribution facilities can easily be marked. This is a time and money saver over the old method of tracing the master map by hand.

Two other Charlestonians, Joe P. Gills, division manager, and Christine C. Mitchell, stenographer, wrote "Reducing Travel Time For Meetings." The article states that division management and staff meetings are being held in Charleston with district managers participating from their own desks at Beckley and Point Pleasant. This is accomplished with a "speakerphone" installed in the division manager's office, a hands-free telephone or microphone that picks up voices of those in the room and transmits them over the long-distance phone hook-up. The device also has a loudspeaker for carrying the voices of the other parties. The set-up saves travel and other time and money.

W. L. Nuhfer, Cabin Creek plant chief electrician, was the author of "Save By Off-Peak Switching Of Transformers." In it he describes how the plant is saving approximately \$593 a year by proper switching on transformers serving units that are operated intermittently.

"Reduce Coal Counter Wear" was written by Aubrey G. Gose, Clinch River plant instrument maintenance



Mr. Gills

Mrs. Mitchell



Mr. Nuhfer

Mr. Gose



Mr. Ferguson

Mr. Lowe

man. He tells of a method devised to disengage change gears on coal counters when they are not needed for continuous service, thus cutting down on maintenance.

Howard Ferguson, assistant results engineer, and Charles L. Lowe, instrument maintenance man, of Clinch River, wrote "Flowmeter Calibration For Higher Ranges." Modifications in test equipment have been made to bring about accurate calibration and less man-hours in flowmeters, with increased ranges due to increased boiler and turbine capacities.

December, 35 Years Ago, Was Month Five Veterans Began Long Service

Four veterans—three from Appalachian and one from Kentucky—have observed their 35th anniversaries with our companies.

Virgil L. Brewer, Ashland; Boyd L. Burnley, Lynchburg; Robert F. Jackson, Welch; and E. L. Wirt, Roanoke, are the four.

V. L. Brewer

Mr. Brewer, Ashland draftsman, joined the T&D department in 1926 and worked as a clerk and in various other T&D jobs until 1937, when he became a draftsman.

Married and the father of a son, his hobbies are hunting, fishing and television repair.

B. L. Burnley

Employed December 9, 1926 as a groundman, Mr. Burnley is presently a street light attendant in the Lynchburg district.

He is a member of the Woodson-Baraca Bible Class of the Rivermont Avenue Baptist Church and a member of the board of the Lyn-buck Hunt Club. He is married and has four married children and six grandchildren. His hobbies include hunting and beekeeping.

R. F. Jackson

Mr. Jackson, T&D clerk at Switchback of the Welch district, observed his 35th anniversary December 14, having joined the company on that date in 1926 as a laborer at Switchback. He has also worked as a patrolman, trouble man, maintenance man,



Mr. Brewer

Mr. Burnley



Mr. Jackson

Mr. Wirt

area serviceman and lineman.

A native of Max Meadows, Va., he attended schools there.

E. L. Wirt

Two days after Christmas in 1926, Mr. Wirt joined the Roanoke district as a groundman. He was a mechanic helper, auto mechanic, and system transportation material clerk before becoming a material clerk in 1959.

A native of Blacksburg, he is a member of the Vinton Baptist Church. Mr. Wirt enjoys fishing and checkers. He is married and has four children and three grandchildren.



Mrs. Burton Keesee, Abingdon

Fogleman-Keesee

October 27 was the wedding date of Eva Fogleman and Burton Keesee, who were married in the Glade Spring Methodist Church. Mr. Keesee is a meter reader in the Washington County area.



Mrs. Bill F. Hurley, Hazard

Combs-Hurley

A double ring ceremony performed on December 2 in the home of the bride's parents united Joyce Combs and Bill F. Hurley. Mrs. Hurley is a secretarial stenographer in the Hazard managerial department.

Farm And Town Win Cash Awards

Two people and a town in the Point Pleasant district picked up honors and cash in competitions recently.

Ravenswood was declared the winner in a three-way contest with Point Pleasant and Ripley, which was part of Governor Barron's state-wide clean-up campaign. The Ravenswood committee received a check for \$200 from George E. Hervey, Point Pleasant district manager, as its prize. The money will go for further community improvements.

A check for \$25 from Appalachian was a part of the honors which came to Mr. and Mrs. Delmar Pursley, of Parchment Valley, near Ripley. They were named the champion "Farming For Better Living Family" in Jackson County for their increased efficiency and production on their 600-acre farm, plus improvements made to their home and farm facilities. C. R. Street, heating and builder sales representative, presented the check to the Pursleys.

Fur Christmas



It was a merrier Christmas than usual for Mrs. Carl Feiszli, wife of the maintenance supervisor at Logan. She won a mink scarf in a Christmas sales promotion of a Logan department store. Here she accepts her treasure from C. O. McCormick, the store owner.

Employee's Son Gets Optometry Degree

Howard M. Hamilton, Jr. has been awarded the Doctor of Optometry degree by the Southern College of Optometry in Memphis, Tenn.

The son of the system accounting administrative assistant, Dr. Hamilton received his BS degree at Hampden-Sydney College and recently passed the Virginia State Board examination.

Employee Artists Create Office Decorations

Talented employees brought the Christmas spirit to two company offices with their decorations of windows.

Herbert R. Miller, Beckley draftsman, painted three of the large front windows of the office, depicting three parts of the life of Christ. One showed a large star, proclaiming His Birth, another told of His ministry



The Beckley and Madison offices were decorated by employees to give them the spirit of Christmas. Herbert R. Miller painted three windows in Beckley, the one at left



Newly-elected officers of the Bluefield district Girls' Service Club are, from left, Eileen Wagner, president; Thalia Myles, vice president; Frances Harvey, treasurer. Not present when the picture was made was Pauline Duff, the new secretary.

New Arrivals

Beckley District

MR. AND MRS. R. L. HARDY, a son, Thomas Lee, December 19. Mr. Hardy is a lineman in the Rainelle area.

Bluefield District

MR. AND MRS. RYLAND Y. BAILEY, a son, Thomas Marshall, November 17. Mr. Bailey is a heating and builder sales engineer.

Fairdale District

MR. AND MRS. B. E. SHELTON, a daughter, Elizabeth Kathleen, November 22. Mr. Shelton is a groundman.

Huntington District

MR. AND MRS. RICHARD BAUMGARDNER, a son, Todd Alan, November 17. Mr. Baumgardner is employed in the T&D line section.

Philip Sporn Plant

MR. AND MRS. CHARLES R. ALLENSWORTH, a son, William Wayne, November 18. Mr. Allensworth is a laborer.

MR. AND MRS. EDGAR M. DORST, a son, David Martin, November 28. Mr. Dorst is a laborer.

MR. AND MRS. MARTIN L. HALL, a daughter, Debora Elaine, November 27. Mr. Hall is a test engineering aide.

System

MR. AND MRS. JACK W. HAGERMAN, a son, Steven Wade, November 18. Mr. Hagerman is a system transmission line employee in Bluefield.

MR. AND MRS. DOUGLAS E. PETERS, a son, Steven Douglas, October 14. Mr. Peters is a system transmission line employee in Bluefield.

Charlestonians Exceed UF Goal

Charleston district and division employees went over the quota assigned to them for the 1961-62 United Fund Drive.

Even with a larger figure to raise, the Appalachian people contributed \$10,235.86 to the fund, a figure that represented 100.67 per cent of the quota. It also represented a net increase of \$1,952.86 over the amount raised last year.

Appalachian's chairman was Guilford Smith, assisted by John C. Frazier and Kermit W. Fisher. Solicitors were Jane Patterson, J. R. Lowther, J. L. Darby, Golda Johnson, Bonnie Jarrett and John Griffiee at Virginia Street; Conda Fisher, Jo Ann Jarrett, Janet Hypes, Ann Surber, Glenn Cook, Bob Isner, and John Kauffman, at North Charleston, and Lenzie Hedrick, St. Albans; W. E. Ferrell, Turner; and Elbert Thompson, Clendenin.

Gabrielle Studies Problems Of Attack

A. F. Gabrielle of the American Electric Power Service Corporation has been named to study the problems involved in safeguarding the AEP System, its employees and its operations in the event of atomic attack.

In this assignment Mr. Gabrielle succeeds F. V. Austin, Jr., who has been promoted to brigadier general in the U. S. Army Reserve with consequently heavier responsibilities.

Mr. Gabrielle is head of the High-Voltage Planning Section of the System Planning Division. Mr. Austin is head of the Coordination and Budget Division.

and the third showed a cross, depicting the one on which He died.

In many colors, the windows were done in a stained-glass effect.

Ona Murray, Madison area cashier of the Logan district, created a Nativity scene for that office, with the help of Ralph Bragg, Corbett Brumfield and Alpha Osburn.

The three borrowed dolls dressed

in white gowns, gave them cardboard wings and tinsel halos and placed them on a floor of straw. Lambs were molded of foil covered with cotton with raisin eyes and mouth. The Babe had a halo of light blue angel hair. A mirror was tilted over the scene, which also included a Bible opened to the Christmas story. Poinsettias and greenery were also used.



And Ona Murray, Madison cashier, helped prepare the window at right.

Pikeville Lad Named To School Royalty

The "Prince" of Pikeville City School is Gregory Miller, young son of Winifred Ray Miller, Pikeville distribution engineer.



Gregory Miller

Gregory won out over other contestants from grade one for the honor, serving at the Annual School Fall Festival. He accompanied the king and queen, who are selected from junior and senior high school, and escorted a princess from his same grade.

Landmark Being Torn Down

A company landmark in Bluefield is coming down.

The Lilly Construction Company has started razing the old Appalachian building in West Bluefield. Originally built as a power plant in the early years of the century by the East River Light and Power Company, it was later used by the meter department and for storerooms by the Bluefield district. It was vacated when the new service building was completed two years ago.

Familiar Faces IN NEW PLACES

Appalachian Power Company

Bluefield District

HENRY S. COMPTON from Bluefield accounting department to Pearisburg line crew as groundman.

Charleston District

J. R. "DICK" BRADLEY from groundman to lineman C.

Clinch River Plant

LON R. BREWER, JR., from utility man to utility operator; NOAH JACK BURK from utility operator to equipment operator; DORSE E. CAMPBELL from auxiliary equipment operator to equipment operator; JAMES F. COMBS from auxiliary equipment operator to equipment operator; GEORGE W. DOAK from utility man to utility operator; JIMMY L. FERGUSON from utility man to utility operator; BOBBIE J. GEORGE from auxiliary equipment operator to equipment operator; CLAUDE F. HERBERT from auxiliary equipment operator to equipment operator; BOBBY G. HOBBS from utility man to utility operator; HARRY C. JACKSON from utility man to utility operator; JOSEPH H. JESSEE from utility operator to equipment operator; JAMES G. KISER from utility operator to equipment operator; ROBERT L. MITCHELL from utility man to utility operator; GUY E. PUCKETT from utility operator to equipment operator; JAMES H. PUCKETT from utility man to utility operator; ALBERT W. ROOKSTOOL from auxiliary equipment operator to equipment operator; BOBBY J. SLACK from auxiliary equipment operator to equipment operator; GRAHAM K. TILLER from auxiliary equipment operator to equipment operator; AVON G. WHITE from utility man to utility operator.

Logan District

ALPHA OSBURN from groundman to truck driver groundman; R. L. TRAMMELL from station man helper to meter serviceman C.

Lynchburg District

EMIL HALL from groundman to System Production Coordinator Section of American Electric Power Service Corporation in Columbus, Ohio.

Philip Sporn Plant

JAMES C. PAULEY, JR., from coal handler to utility operator; GEORGE C. WHITE from labor to coal handler.

System

BETTY V. CARTER from stenographer, public relations to secretarial-stenographer, area development.

Kentucky Power Company

Ashland District

CHARLES HOWARD from serviceman to serviceman Sr.

Weigh-Ins Determine Top Fishermen

The successes of a season of fishing have been weighed to the last ounce, and the results have been announced. The Roanoke Rod and Reel Club has presented its annual awards.

Winning first prizes this year were: R. H. McDearmon, retirement cost clerk, 5-lb., 4-oz. largemouth bass caught in a farm pond; R. L. Tucker, system station man, 2-lb., 2-oz. smallmouth bass at Philpott Dam; F. F. Webb, system control wireman, 6-lb., 2-oz. catfish at Kerr Dam; E. L. Wirt, material clerk, 8½-lb. crappie at Philpott.

Also R. E. Dennis, lineman, 3-lb., 9-oz. trout at Potts Creek; and Mr. Wirt, 3-lb., 7-oz. pike at Claytor Dam. Second prizes went to Mr. Webb, largemouth bass; C. W. Hodges, groundman, smallmouth bass; J. K. Hutcherson, material clerk, catfish; C. R. Hedgecock, general bookkeeper, system accounting, crappie; Mr. Tucker, trout; and W. A. Henley, system engineering draftsman, pike.

Next year prizes will be offered for white bass.



This 15-pound, 3-ounce largemouth bass, a state record, holds the attention of members of the Roanoke Rod and Reel Club and guests. Holding the fish is C. T. Maberry, Jr., a guest at the meeting, who caught the fish. From left are club members R. E. Dennis, E. L. Wirt, R. L. Tucker and R. H. McDearmon, and at right is John McLaughlin, game biologist-supervisor, Jefferson National Forest, who spoke to the group on hunting and fishing in the national forest.

To round out their year, club members selected officers for next season, including Mr. Hedgecock, president; Mr. Webb, vice president; and E. M. Payne, head material clerk, secretary-treasurer.

Cabin Creek Man Takes Retirement



Mr. Ferrell

A Cabin Creek plant man, Harry S. Ferrell, retired from active service December 1 after 18 years of company employment.

Mr. Ferrell joined Appalachian in September 1943 as laborer. At the time of retirement he was transformer maintenance man.

He and his wife reside at Marmet, and are members of the Methodist Church.

Immediate retirement plans call for extensive visits with their three children and seven grandchildren.

Hazard Man Named BSA Council Leader

A. R. Barber, Hazard district manager, has been elected president of the Lonesome Pine Council, Boy Scouts of America.



Mr. Barber

He has been connected with Scouting for 35 years, starting as a Boy Scout and advancing into adult leadership. In 1954, for his efforts, he was given the Silver Beaver Award, the highest council award.

He has been active in civic affairs since coming to Hazard in 1933. He is past president of several groups and at present is president of the Hazard Golf Club, a member of the board of Lees Junior College and an Elder of the First Presbyterian Church.

He is married and has a son and a daughter.

Grundy Employee Aids Injured Man

A Grundy meter reader, out on the job in Buchanan County (Welch district), found himself doing a Samaritan job.

Clancy C. Mullins was met by a young man who told him how he and a companion were tearing down an old tiple. The other man slipped and fell, and was lying up on the mountainside with a broken leg.

Mr. Mullins and the other climbed in Mr. Mullins' International Scout truck and drove it as far as they could, and then walked a quarter of a mile to where the injured man—also named Mullins, as it turned out—lay.

After giving first aid to the injured man, the Appalachian employee and the second man carried him to the truck in which Clancy Mullins took him to the hospital.

By being in the right place at the right time Clancy Mullins saved the man hours of exposure and suffering.



Mr. Mullins

Linebacker To Lead 1962 Oberlin Team

Joel A. Millikan, defensive linebacker for Oberlin College, has been named co-captain of the team for 1962.

He is the son of R. F. Millikan, Kentucky Power general safety and employee relations supervisor, and was one of the 1959 AEP Educational Awards winners.

Joel, a junior, has been linebacker for three years. His grandfather, the late Dr. Wallace F. Grosvenor of Chicago, was captain and halfback of Oberlin's first intercollegiate football team in 1891.



Joel Millikan

Pocahontas Youth Leads School Class

Dan Hodock is a youngster who believes in keeping busy.

The son of George Hodock, system transmission man, Dan is a freshman at Pocahontas High School (in the Welch district) and has just been elected president of his class.

In addition, he is a member of the band and belongs to the Latin and 4-H Clubs.



Dan Hodock

Talented Youths Honored For Abilities On Gridiron

Two Roanoke boys, sons of system employees, have completed successful football seasons in which their individual talents received recognition.

Both boys were quarterbacks for their teams and also played defense. They are Skip Kidd, son of Jeannette Kidd, system personnel secretary, and Mack McClung, son of William A. McClung, advertising and publications supervisor.

Skip quarterbacked the William Fleming Jayvees and was voted the team's most valuable back, while Mack steered his team as quarterback and tailback, receiving the Paul Coffey Award from the Touchdown Club as the outstanding sandlot player in the city.

The Fleming Jayvees had a 1-3 record when Skip took over the quarterback spot, and under his guidance the team finished the season with a 5-4 record, winning four out of the last five games. His outstanding game came when he threw three passes for scores in an 18-0 win.

Baseball Too

His football accomplishments come on top of a baseball season in which, playing for the Williamson Road Lions, winners of their division of the Archie Cooper League, he won his team's most valuable player trophy. He hit .500 for the year, including seven home runs, an all-time high for the team. In one game he hit two homers to win the game 4-3.

Skip is a ninth grader at Breckinridge Junior High School, where he was recently named the first president of the Student Cooperative Association. The 14-year-old is also an honor student.

Mack McClung amassed an amazing record during the football season. His team, Optimist, scored 145 points in seven games on their way to the sandlot championship, and Mack was responsible for 131 of those points. He passed for 11 touchdowns, ran for 9, passed for 3 extra points, ran for 2 more and dropped-kicked 4 others. His scoring passes ranged from 19 to 69 yards, and his scoring runs were from 1 to 91 yards.

Line Backer

On defense he played line backer and called defensive signals. This is the second straight year the 14-year-old athlete has quarterbacked his team to the title. He is an eighth



Skip Kidd moves from one sport season into another, and excels in all. Here, he poses with his outstanding player trophies for baseball and football.



Mack McClung holds the trophy honoring him as Roanoke's outstanding sandlot football player, the latest in a large number of trophies the athlete has earned.

grader at Woodrow Wilson Junior High School, and has also earned many trophies and awards for his prowess in baseball and basketball.

His ability was best described by one of his coaches, who said: "There's no way to really measure Mack's ability. He can do more things than any sandlot player I have ever seen. Mack should go on to enjoy a great scholastic and collegiate career."

Several Employees Make Good On Hunting Trips



Several employees showed their prowess with a rifle by bagging game during the recent hunting season. At left is C. B. Bolton, Ashland substation department, who holds his game from a successful hunting trip at Circleville, O. In center, Earl E. Belcher, Grundy area serviceman of the Welch district, stands behind the mounted heads of three deer. Mr. Belcher got his fourth this season, all of them coming in five years of hunting, and all on the first day of the season. The latest one weighs 200 pounds and has five points. All four have been shot in the same area, less than 500 yards apart. His formula: find where the deer go, be there at the right time, be a good shot and have lots of luck.

At right, Hal Barker, Point Pleasant groundman, who is also an experienced turkey hunter, bagged this four-point, 150-pound buck in Hampshire County near Romney, W. Va. Mr. Barker says he returns with a deer every three out of four years he hunts. Also killing a deer was E. D. Boggess, Ravenswood area serviceman of the Point Pleasant district. Several Williamson employees scored on a hunting trip to Pocahontas County, W. Va. Harold Akers, meter serviceman, got a 140-pound, 6-point deer; Everette Carrico, line foreman, got a 125-pound spike; Jack Akers, station foreman, shot a 130-pound spike; and Ben Scaf, retired, got a 125-pound spike.

Extra-High-Voltage Line Interconnection Planned Between I&M, Illinois Power

Construction of an extra-high voltage transmission interconnection between Illinois Power Company and the American Electric Power System was announced last month by Allen Van Wyck, president of Illinois Power, and Philip Sporn, at that time president of AEP.

It will be one of the nation's largest lines for interchange of an electric power supply between two utility systems. It will be a 345,000-volt line, 32 miles long, cost \$4-million, and go into operation in June 1963.

Two substations will be built. Illinois Power will build one near Sidney in Champaign County, Illinois, and Indiana & Michigan Electric Company will build one near Cayuga in Vermillion County, Indiana. The inter-connection agreement is for 50 years.

In announcing the project the two executives described it as "a tangible demonstration of the investor-owned power industry's ability and willingness to carry out the joint planning, construction and operation of inter-

grated power systems capable of supporting large generating units and of providing the most economical service."

At the present time the AEP System is directly interconnected, at voltages from 138,000 to 345,000 volts, with 18 other neighboring

utilities at 38 different locations on the periphery of its service area. Illinois Power is directly interconnected with six adjoining utilities at 15 locations. Together the two systems supply electric service to almost 4½ per cent of the population of the United States.

Thirty miles of the new line will lie in Illinois, the rest in Indiana. It will be the first direct tie between the two companies, although they are indirectly connected through a 32-state network of interconnections between 100 electric utilities with a combined load of 64-million kw.

Rocking, Traveling Planned By Retiree



Mr. Brown

"I'm going to sit in a rocking chair for about three weeks, and after that I'm going to start rocking—but very slowly."

That's how Edward S. Brown, Charleston electrical engineer, describes the beginning of his retirement on December 29 after 4½ decades of company service. Later Mr. Brown will begin traveling again—he has already visited 46 states and 15 foreign countries—but wants to travel more, starting in Mexico City and eventually going around the world.

Mr. Brown joined the old Virginian Power Company when he was 17, and one of his first jobs was helping build the first 44,000-volt line from Diamond to Charleston.

His first military leave of absence came during World War I, when he joined the Marines. His best memory of company service comes from this experience. As he puts it: "The most emphatic thing I remember is when we were building a 44,000-volt line from Emerson on Marsh Creek to Mordue on Coal River. That was in the winter of 1917-18, and the line went straight up the mountain. And every morning as I looked up that mountain where we had to carry insulators, crossarms and other hardware, the more patriotic I got, so I finally enlisted in the Marines. After some front line action in those muddy trenches in France I felt my patriotism slipping, but they wouldn't let me come back to the power company till the war was over."

His patriotism held however; during World War II he entered the Navy, emerging as a lieutenant commander. In 1958 he was retired at the same rank from the Navy Reserve.

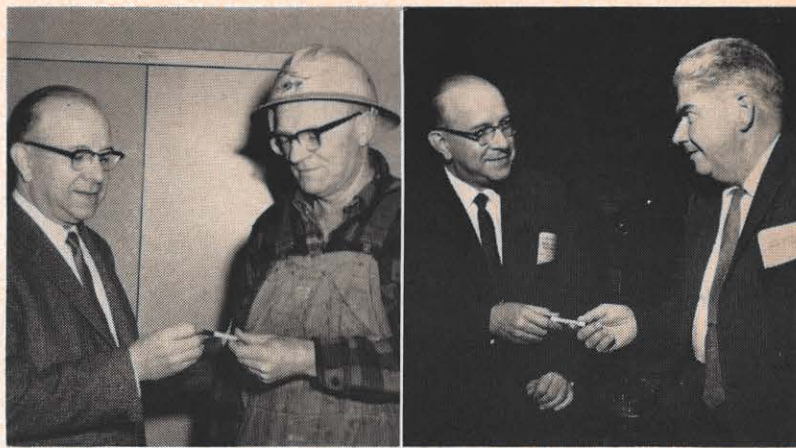
At the end of World War II, in 1945, he returned to the electronics section and went to electrical engineer in 1954. He is a member and past president of the Cabin Creek Rotary Club, president of the Cabin Creek Investment Club, a 32nd degree Mason, a Shriner and a member of the 40 and 8 Club. He is past commander of the American Legion Post 80, and is also past district commander and past state vice commander.

Mobile Transformer Saves Long Outage

A temporary mobile transformer put to use at the Keystone station in the Welch district recently saved the company and its customers considerable time and money.

The steel at the station has needed painting for some time, but because of the length of time such a job would entail, it was almost impossible to schedule an outage.

The mobile 1000 kva transformer was moved to the station and put in service. There was only a 15-minute outage in the changeover, and service to the station's customer was uninterrupted during the 254 hours required for the painting and maintenance work.



Like a slick double play, the pencil goes from Redding to Higgins to Gills. At left Kenneth Redding, Ohio Power lineman (right) hands a mechanical pencil to E. A. Higgins, Portsmouth district manager, and in the picture at right, Mr. Higgins passes it on to its owner, Joe P. Gills. The last time Mr. Gills saw the pencil it was dropping earthward to Mr. Redding's crew, repairing line faults in the Charleston district.

The Saga Of The Traveling Pencil

Modern technology paid off with a twist during the heavy snow-storm that battered company facilities in late October.

Joe P. Gills, Charleston division manager, was patrolling rural lines in a helicopter during the height of the repair work when he spotted another line fault. He wanted to report it to a nearby crew, and used the only piece of paper he had—the back of an airline ticket—to write a note. Weighting it with a mechanical pencil, he dropped it to the crew.

A week or two later he got his pencil back.

It seems that the crew was one borrowed from Ohio Power Company. When the men returned to Portsmouth they gave the pencil to E. A. Higgins, district manager for Ohio Power. Later, on their way to the AEP system managers' meeting, Mr. Higgins and Mr. Gills met, and Mr. Gills got his pencil back.

Social Security Rate Increased January 1 After Amendments Expand Benefits

The rates that employees and our companies are paying for Social Security went up January 1, following amendments to the Social Security law which went into effect August 1, 1961.

To cover the cost of the expanded program, the entire SS rate schedule went up one-fourth of one per cent, meaning that each employee is paying one-eighth of one per cent more and our companies are contributing an additional like amount. Being deducted from our paychecks, beginning January 1, is 3⅞ per cent of earnings up to \$4,800, and our companies are matching this amount for each of us.

In 1963, the rate will jump to 3⅝ per cent, in 1966 it goes up to 4⅞ per cent and starting in 1968 and thereafter, the rate is to hold at 4⅝ per cent. If Congress should decide to further add to the program, the cost of Social Security could keep on climbing.

For Men

Under the new law, with its August 1 amendments, men may now choose to have their old-age benefits start as soon as they reach age 62, just as women have been able to do since 1956.

But, just as in the case of a woman worker, a man who decides to take his benefits before he is 65 will get less per month than if he had waited until age 65. For example, if he retires in the month he reaches age 62 he'll receive about 80 per cent of the benefits he would have been paid at 65.

Once a man takes his benefits at the reduced rate, the same amount will continue to be paid to him even after he reaches his 65th birthday. To get retirement benefits between 62 and 65, a man must have the same amount of social security credit that he would need if he retired at 65.

Widows

Widows too, will benefit under the new law. Most women receiving

abilities until June 30, 1962 to apply for benefits under the Social Security disability provision. This extension of the deadline for disabled workers is one year longer than under the old law.

For more information about any of these changes in the Social Security law, get in touch with your Social Security office.

benefits as aged widows will receive a 10 per cent increase in their benefits. According to the new law, an aged widow will receive a benefit equal to 82½ per cent of what her husband received, or would have received, upon retirement at age 65 or later.

Minimums

Under the new law, the lowest benefit that most workers over 65 will receive will be \$40. If, however, a woman worker claimed benefits before 65, she may not get an increase even though her benefit is under \$40.

Eligibility

Another important change under the new law is lowering the amount of work-credits needed to become eligible for benefits. Now, most people can become insured more quickly. Also, many older persons who did not work for the length of time required under the new law will now be eligible for payments.

After Retirement

A beneficiary who earns \$1,200 or less a year can receive all of his benefits. Where earnings are over \$1,200 but less than \$1,700, \$1 in benefits will be withheld for every \$2 earned; and \$1 will be withheld for each \$1 earned over \$1,700. Beneficiaries aged 72 or over will continue to receive full benefits regardless of earnings. Generally speaking, a beneficiary under the new law can now get more in combined earnings and benefits.

Disability

There is no change in the amount of work required now for disability benefits. But the 1961 amendments give workers with long-standing dis-

Hoan Retires At Year's End



Mr. Hogan

With 41 years of company service, Bruce Hogan, system station operator at Fieldale, retired December 31.

Mr. Hogan started work in 1920 in the Roanoke steam plant, and transferred to the system operating department in 1929. He has worked as station operator at Turner station, Danville station and Fieldale station.

He is a native of Vinton, Va., and served with the Navy for two years during the first World War. He and his wife live in Fieldale and have two sons. Mr. Hogan is a member of the Fieldale Methodist Church, and lists fishing and hunting as his hobbies.

AEP Division Promotes Two

Carl P. Lugin, formerly a section head, has been named assistant head of the Mechanical Engineering Division of the American Electric Power Service Corporation. He moves up from the post of head of the turbine section, in which he has been succeeded by David H. Williams.

Mr. Lugin, a 15-year veteran with the Service Corporation, started with the results engineering section as an engineer. He was made head of that section in 1952 and head of the turbine section in 1955. He holds BA and MA degrees in electrical engineering from Virginia Polytechnic Institute and served in the Army Corps of Engineers. In his new assignment he will have responsibility for turbine and heat cycle equipment.

Mr. Williams joined the company in 1956 as assistant engineer in the turbine section, and was promoted to engineer in 1960. He holds BS and MS degrees in mechanical engineering from VPI, and served in the Army Corps of Engineers for two years following his graduation in 1954.

Retired Foreman Dies At Age 68



Mr. Reveal

Arthur P. Reveal, retired Charleston line foreman, died December 12 at the age of 68.

A native of Putnam County, he had retired June 1, 1958 after almost 35 years with the company. In 1924 he joined the company as a lineman and became line foreman in 1934. He also had two years of broken service in 1916-1918.

He is survived by his wife, one son, three daughters, two brothers and nine grandchildren. Services were held at Cunningham Funeral Home and burial was in Spring Hill Cemetery, with former co-workers at the company as pallbearers.