

People who beat around
the bush take the long
road to nowhere.

The Illuminator

An ounce of confidence
in yourself is worth a
ton in others.

Vol. XII, No. 7

KENTUCKY POWER COMPANY

APPALACHIAN POWER COMPANY

KINGSPORT UTILITIES, INC.

April 1961

MHD Commercial Prospects Are Advanced In New Test

Prospects for commercial electric power generation through the revolutionary magnetohydrodynamics (MHD) system have been advanced significantly with the announcement that 205 kilowatts of power have been produced in a new MHD generator at the Avco-Everett Research Laboratory, Everett, Massachusetts. This is 20 times greater than the power output achieved when the project was first revealed late in 1959.

At the same time it was disclosed that two additional leading utility companies have been added to the ten which originally joined Avco in the MHD power studies, and that the budget for the current year's experiments has been tripled to \$1,200,000.

Last month's announcement was made jointly by Avco Corporation and American Electric Power Service Corporation in behalf of the 12 leading utilities associated with Avco in underwriting the MHD power studies. One of the 12 is Appalachian.

Exciting Development

Philip Sporn, president of American Electric Power and of our company said, "Magnetohydrodynamics is probably the most exciting area of development in power generation today. A little more than a year ago ten utility companies, three of them in the American Electric Power System, entered into an agreement with Avco for a research program for the application of MHD to the mass generation of electric energy which

could improve the efficiency of power plants by as much as 40 per cent.

"This program," Mr. Sporn continued, "has yielded results more favorable than we could have reasonably expected at the end of 1959. The original idea, first investigated by Michael Faraday some 150 years ago, has been carefully tested against today's more sophisticated knowledge of high temperature gas properties as a result of Avco's intense space exploration program. This exciting idea has stood up well in the analytical and experimental work completed this year, and studies continue to affirm that the MHD power system promises considerably higher efficiency at reasonable capital costs."

Continuing Studies

K. R. Wilson, Jr., Avco chairman, stated, "We are sure that the continued studies, additional support of which is now being provided by an augmented group of 12 utility companies, and increased funds will yield important results."

(See MHD, Page 3)

Tops In Size, Efficiency

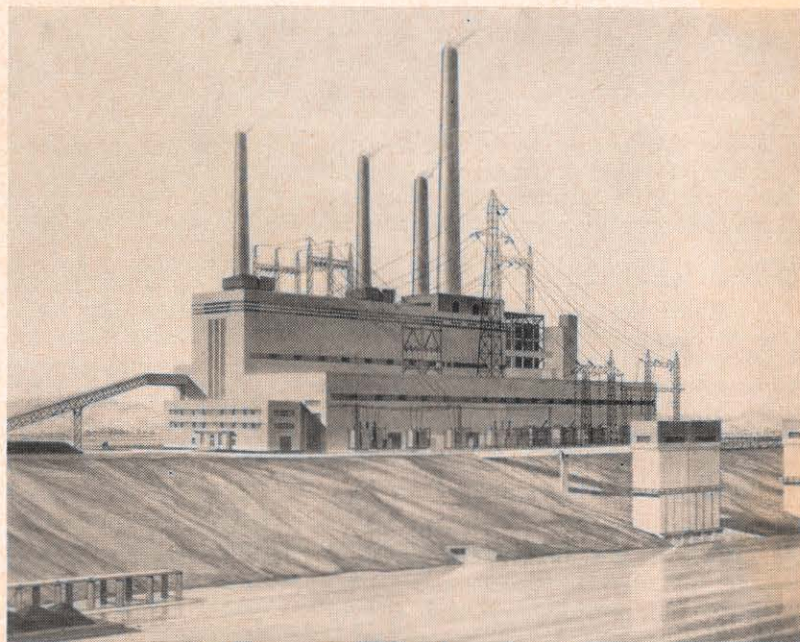
Unit of 580,000 Kw Announced For I&M's Tanners Creek Plant

The largest and most efficient steam-electric generating unit ever built by an investor-owned public utility will be constructed at Indiana & Michigan Company's Tanners Creek plant.

The 580,000 kilowatt, \$73-million unit will be the fourth at the plant. Construction will start this summer and is expected to be completed by the spring of 1964.

Announcement of the unit was made March 15 at a joint press conference by Indiana Governor Matthew E. Welsh and R. E. Doyle, Jr., I&M vice president and general manager. The Governor termed the announcement "a tremendous boost for the economy of southeastern Indiana" and congratulated I&M for the company's "faith in the future growth and prosperity of the Hoosier state."

The new facility will be designed to operate at an anticipated heat rate of about 8,500 British thermal units per kilowatt-hour of net generation—a new record in the efficiency of the conversion of the energy of coal into electrical energy. The unit is expected to burn about 1,600,000 tons



A new 580,000 kilowatt generating unit, largest ever built by an investor-owned public utility, is shown as it will look when added to the righthand side of the existing Tanners Creek plant of I&M at Lawrenceburg, Ind. Stack for the facility will rise about 500 feet above ground.

Kingsport 5-Year Program Ends, Building For Future Continues

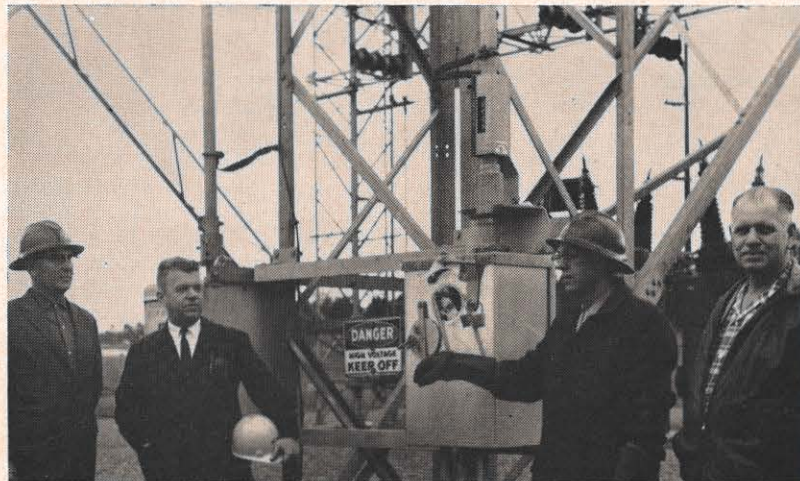
A \$4½-million building program that began five years ago, aimed at giving Kingsport a plentiful supply of electric power from several sources, has been completed by Kingsport Utilities, Inc.

In making the announcement recently, J. E. Wright, vice president and general manager of the company, said: "With the energizing of our new Reedy transmission station in March, we bring to a close this extensive program. But at the same time, the completion of Reedy heralds the beginning of another phase of our ever-continuing program of providing facilities to bring more electric power to the area.

"The phase that begins this year will involve the expenditure of \$2½-million between now and 1963. One million dollars of that will be spent this year on various projects that will be announced later. To finance this expansion, the company was required to borrow on open market sufficient funds to meet the growing requirements of Kingsport and its vicinity. Also, the company provides approximately \$600,000 annually to meet our share of city, county, state, and federal taxes."

Ring Around City

Between 1956 and 1961, construction work provided a ring of transmission lines around the city and surrounding area, and the building of a number of new stations gave the area additional sources of power. In addition distribution facilities that bring the power into homes and businesses were strengthened.



Four Kingsport and Appalachian men prepare to throw the switch energizing Reedy station, an historic moment in Kingsport's history. Energizing of the station marked the end of a five-year building program for KUI. From left are Lou Herr, regional chief operator at Kingsport; E. C. Rankin, system supervising station engineer, Roanoke; Fred Lawson, regional chief dispatcher at Clinch River station; and R. C. Scarlett, Kingsport station supervisor.

Among the major projects completed were these:

The new Reedy station, that steps power down from 138,000 to 69,000 and 34,500 volts. The station has a 60,000 kva transformer, largest in service in Kingsport . . .

A new Orebank station stepping power down from 138,000 to 12,000 volts . . .

A 20,000 kva capacity addition at Holston transmission station . . .

New 138,000 volt transmission lines from Holston station to West Kingsport station to the Clinch River Plant of Appalachian . . .

New lines tying Reedy and Orebank stations into the network . . .

New Rotherwood station in Hawkins County, stepping power

down from 34,500 to 12,000 volts, and a new 34,500 volt line tying Rotherwood into the West Kingsport Station . . .

Increased line capacities feeding the Cumberland and Lovedale stations, thus reinforcing our facilities to take care of the downtown area . . .

Improved street lighting in Kingsport's whiteway system . . .

Addition of a 5,000 kva portable substation for use in construction and for emergencies, such as the recent explosion at Cumberland station, where the portable substation took over the electrical load until repairs to the station could be made . . .

And the completion of a number of 34,500 transmission line and

(See Kingsport, Page 3)

of coal annually, all of which will be delivered by river barge.

The private utility industry's largest units operating today are two generating machines with individual capabilities of 500,000 kw. One is at Philip Sporn plant, the other at I&M's Breed plant. The new unit at Tanners Creek will raise that plant's total generating capability to 1,105,000 kw. At that level and at that time it will be the AEP System's largest power plant and one of the major plants in the investor-owned utility industry. Only one privately owned plant in operation today—the 1,300,000 kw Clifty Creek plant of the Indiana-Kentucky Electric Corporation—is larger.

Plans also call for construction of 186 circuit miles of 345,000 volt transmission line and necessary substation facilities at an additional cost of over \$12-million.

Completion of the Tanners Creek addition will increase I&M's generating capability to more than 2-million kw and that of the entire AEP Sys-

tem to more than 8-million kw. Tanners Creek's first two units, each with a capacity of 155,000 kw, were placed in commercial operation in 1951-52; its 215,000 kw third unit went into service in 1954.

Roanoke Exceeds 5,000 Kwh Use Per Customer

Roanoke is the first district in Appalachian to exceed an average annual usage of 5,000 kilowatt-hours per residential customer. Use reached an all-time high of 5,015 Kwh during February.

Only five years ago, usage in the district was 3,695 Kwh per residential customer. During the past 12 months, residential customers have averaged an increase of 367 Kwh each.

W. P. Booker, district manager, feels several factors have contributed to this growth. There are 904 electrically heated homes in the Roanoke district. Five years ago there were 196. During the last twelve months, 223 district customers installed electric resistance heating in their homes. Another important factor, according to Mr. Booker, is that 8 out of 10 residential customers in the district use electric ranges, 1 out of 2 electric water heaters, and 1 out of 10 electric clothes dryers.

The second and third place districts in the company in average annual residential Kwh consumption are the Fieldale and Lynchburg districts—Fieldale with 4,809 Kwh and Lynchburg with 4,507 Kwh. These two districts, and Roanoke, make up the Roanoke division. The average residential customer in the division is using 4,833 Kwh annually as compared to the company average of 3,790 Kwh.

Annual Report Now Available

Active and retired employees of our companies may obtain a copy of the 1960 Annual Report of the American Electric Power Company by returning the self-addressed, postage-paid post card which is enclosed with this issue of THE ILLUMINATOR.

Just fill in your name and address in the spaces indicated and drop the card in the mail.

Any employee who is an AEP stockholder will automatically receive the report and will not have to send the card.

Law Day USA

"Respect for law is the key to preserving our American heritage of freedom and human dignity—a heritage that has showered more blessings and advantages upon more people than any other system of government in world history. The surest way to undermine this precious heritage and insure the triumph of tyranny is for free Americans to abandon their reverence for the law."

This statement by John C. Cornelius, president of the American Heritage Foundation, keynotes this country's fourth annual Law Day USA on May 1.

Law Day USA is a unique citizenship education program established by proclamation of the President of the United States. Its aim is to dramatize for Americans the values, to every citizen, of living under a system of laws and courts that protect individual freedom, dignity and opportunity.

Many Law Day programs will be held throughout the country on May 1. These programs give us an opportunity to renew our respect for the law and all its means to us. It gives us a chance to remember that the benefits of citizenship also entail individual responsibilities. And it gives us a chance, along with our fellow citizens, to demonstrate, both at home and abroad, the advantages of freedom under law as contrasted with the subordination of individual rights and opportunities under communist regimes.

A Dubious Immortality

On the fine spring day of May 30, 1896, Miss Evelyn Thomas went bicycling in New York.

Mr. Henry Wells, a man from Springfield, Mass., was riding along at the same time and place as Miss Thomas in his Duryea Motor Wagon. He ran into her. She was taken to the Manhattan Hospital and treated for a fractured leg, and he was taken to jail, where he stayed overnight until the extent of Miss Thomas's injuries was determined.

Thus Miss Thomas passed into history as the victim of the first traffic accident involving an automobile. It's a sad fact, of course, that she wasn't the last.

That was 65 years ago. A person born that day has lives a lifetime filled with violence, death and heartbreak. Literally hundreds of thousands of men, women and children have been killed or hurt in traffic accidents, more than the total of all those killed and wounded in America's wars.

In the 65 years since Miss Thomas achieved her dubious immortality, the automobile has been in turn a novelty, a luxury, and a necessity. Now it has become something else: it has become a lethal weapon, simply because the person who operates it has become its slave, and not its master. Safe driving can't be built into a machine. It has to come from the driver.

The Illuminator

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

EDITORIAL STAFF
ROANOKE MAIN OFFICE
 40 Franklin Road
 Roanoke, Virginia

G. S. DUNN *Public Relations Director*
 C. R. LOVEGROVE *Editor*
 J. D. PIEDMONT *Feature Writer*

ASSOCIATE EDITORS

C. B. YEAROUT *Bluefield Division*
 L. M. COBBS *Charleston Division*
 W. R. WITZEL *Huntington Division*
 J. G. HARVEY *Roanoke Division*
 J. A. MUNDY *System*
 R. F. MILLIKAN *Kentucky Power Co.*
 W. Z. TRUMBO *Kingsport Utilities, Inc.*

Your Opinion

As a driver of a company vehicle, what advice could you give others about safe driving?

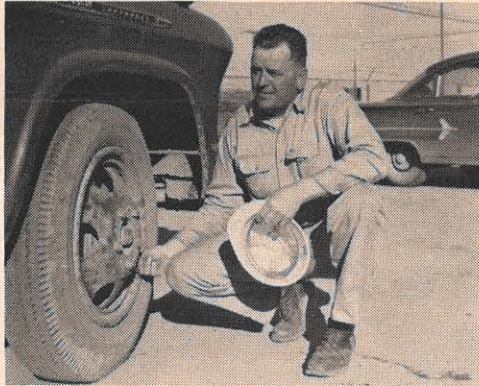
IN THE SPOTLIGHT



MARY LOU SANFORD, Home Service Representative, Huntington

The first and most important part of your job as a driver is to operate the car safely. Most of the time, we have control over circumstances which lead to accidents. In my opinion, speeding causes more accidents than any other factor. As long as your car is going at a safe speed, there is less likely to be an accident. Nothing is so urgent that we cannot take time to drive safely.

Avoid distractions and keep your eyes on the road; and, last but not least, drive defensively. Drive as if everyone else is crazy.



WOODROW BALL, Groundman, Kingsport

As a driver of a company vehicle, the advice I would give others on safe driving would be—first, to check the car or truck to make sure it is safe to drive. I would then discuss the various laws, rules, regulations, and signals in order to be a safe driver.

In line with this, I would emphasize the speed in school zones, and in summer when kids are playing along the streets.

Many accidents are caused by following too closely. I would discuss reaction time and braking distance plus various road conditions.

I would conclude with driver's attitude and road courtesy.



ASTOR LEDFORD, Transit Man, Hazard

Safe driving must be learned, since we aren't born with the knowledge or skill to drive. Most people who drive know the basic safety rules, yet they aren't safe drivers be-

cause they don't use this knowledge due to faulty and slothful habits.

One factor for safe driving seldom mentioned by the experts as a cause of accidents is smoking while driving. Many accidents occur when drivers attempt to retrieve lighted cigarettes, pipes, and matches when they have dropped in the seats and floor.

To drive safely is to drive defensively, mentally awake, at a speed that is reasonable and proper to meet road and weather conditions and traffic regulations. Safe driving is the end result of all the safety rules having been followed.



Frank Barns, right, points out a car inspection point to James R. Turpin, auto repairman.

FRANK B. BARNES, Line Supervisor, Welch

My first reaction upon being asked what advice I could give others about safe driving was, "It is an unfair question to ask a superstitious man." Our Facts and Figures for the month of February devotes a full page or approximately 900 words on tips about how to avoid "rear enders". All of these tips are excellent and could be applied to other phases of safe driving as well.

We have our lessons from experience that point out the errors of others. Insurance companies, traffic control agencies, safety councils and many other agencies are continually reminding us to be safe drivers. To all of this wealth of information and good advice, I would like to add five tips which are certainly not original but will bear repeating. First, be sure of the mechanical condition of any piece of equipment you drive. Second, stay alert at all times when driving. Third, be a defensive driver, plan for any eventuality. Fourth, adjust your driving speed to the conditions of the road and weather; and, finally, have a benign guardian angel.



J. W. FAUCETTE, JR., Electrical Engineer, Roanoke

Be alert, defensive and courteous. These qualities along with the development of other good driving habits will insure safe driving. Among the better habits to develop are: travel at a reasonable speed as dictated by road and weather conditions; allow plenty of time for your trips. A fatigued or irritable driver is

not a safe driver.

Plan your moves in advance so as to avoid sudden turns, lane jumping and sudden stops. When you plan any turns or stops, notify other traffic well in advance with the proper signals. Be alert of other traffic around you so that you will be in a position to allow for any sudden moves on their part. Above all, give the consideration to other drivers that you would like to receive from them.



JOHN H. RODRIAN, System Operating Engineer, Roanoke

Although it is the responsibility of the system transportation department to have company cars inspected every 2,000 miles, it is the responsibility of the driver to keep the car inspected in the meantime. A thorough inspection by the driver is not practical before a trip, but a quick check should be made of the instruments, headlights, tires, brakes, etc. The contents of the trunk should also be examined to determine if a good spare tire, jack, lug wrench and chains are included.

When returning the car, the driver is again responsible for promptly reporting any mechanical difficulties he may have encountered. This report should be made on the form provided by system transportation for this purpose. Failure to submit this report makes it even more important for a driver to check the car before a trip.



KENNETH FRIDLEY, Material Clerk, Kanawha River Plant

I think the vehicle should be in first class condition; and, if it is not, it should be reported.

Obey all traffic laws.

Give hand signals although you have directional signals. If there is a line of cars behind you, it is possible that no one will see the blinker except the first car behind.

Be courteous, and give the other driver every break possible.

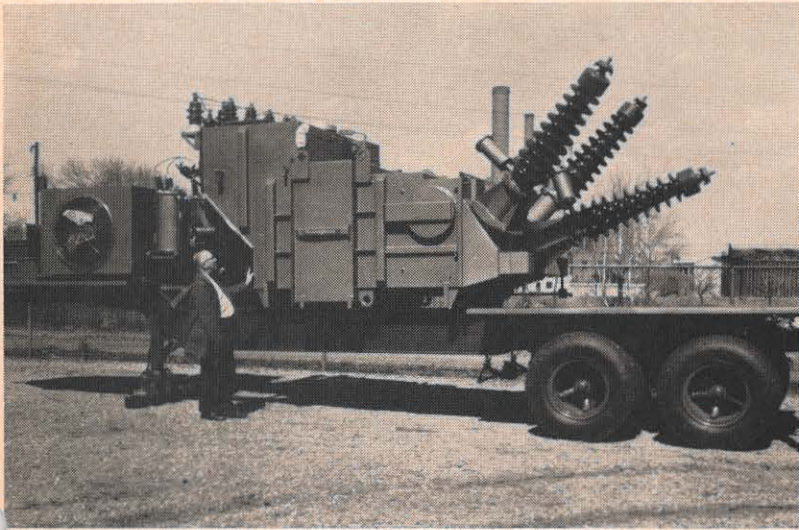
When someone passes you, break speed and be alert in case he cuts in too short.

Do not take chances on running yellow lights.

Have a clear vision through all glass before driving.

If one is affected by bright lights from behind, put hand up in front of rear view mirror, this acts as a signal.

Substation On Wheels



A mobile substation, Appalachian's first to travel by tractor-trailer, has been put in service. Based in Roanoke, the new 10,000-kva unit will be available for use anywhere by Appalachian, Kentucky Power, or Kingsport Utilities. It can be used to replace a substation during an emergency outage, or during a planned outage. Appalachian has three other 138,000-volt mobile transformers, all designed to travel on special railroad cars.

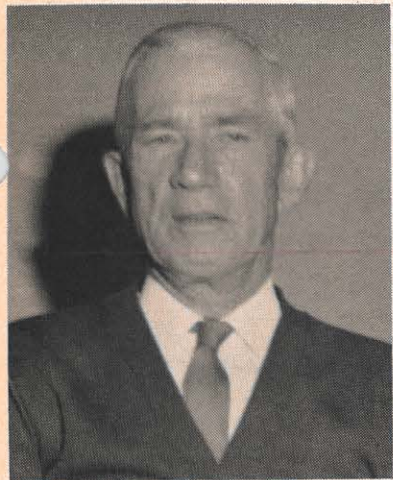
AEP Studying Anti-Trust Cases

Most of the employees of our companies have undoubtedly read of the recent anti-trust convictions of a number of electrical equipment manufacturers. You may be interested in knowing what is being done to determine whether these price-fixing violations resulted in damage to the various companies of the American Electric Power System, and, if so, the extent of such damage.

The accounting department of the American Electric Power Service Corporation has been assigned the task of collecting the various necessary information on purchases by our companies and the other System companies of the equipment referred to in the indictments. In addition, the Service Corporation's legal department is engaged in extensive research into all of the legal aspects of the case.

A complete investigation of all phases of this matter is being made and, on its completion, such action will then be taken as appears necessary in order properly to protect all of our interests.

Hobbies Set For Roanoke Retiree



Mr. Kingry

Traveling, hunting, fishing and fly-tying, heretofore pastimes, will become a way of life for James B. Kingry, Roanoke district collector.

Mr. Kingry retired March 31 after 18 years of company service, and plans to spend considerable time to these hobbies in retirement. He was employed as meter reader April 19, 1943, and was promoted to collector in May, 1954. A native of Roanoke, he attended National Business College, and served in the Army in the first World War.

Mr. and Mrs. Kingry will maintain their home in Vinton.

Logan Plant To Be Placed On Reserve

The Logan generating plant will be taken out of service on May 1 and placed on a reserve status. This announcement was made on March 15.

In making the announcement, R. E. Hodges, vice president and general manager of Appalachian, said, "It is our sincere hope that we will be able to place a number of the plant's 82 employees in jobs at other locations in the company."

He said that the company took the action because the requirements for power generation are below what they had been expected to be at this time and it was necessary to cut back power production in some of the company's plants.

The Logan plant was placed in operation in 1915 with a capacity of 9,600 kilowatts. Additions to the plant were made in 1921, 1923 and 1937, raising the capacity to the present 87,000 kilowatts.

MHD Commercial Prospects . . . (Cont. from Page 1)

New utilities participating in the project are the Boston Edison Company, Boston, Mass., and The United Illuminating Company, New Haven, Conn.

Original sponsoring companies, all of which are continuing with Avco in the MHD program are: Appalachian; Central Illinois Light Company, Peoria, Ill.; The Dayton Power and Light Company, Dayton, Ohio; Illinois Power Company, Decatur, Ill.; Indiana & Michigan Electric Company, Fort Wayne, Ind.; Indianapolis Power and Light Company, Indianapolis, Ind.; Kansas City Power & Light Company, Kansas City, Mo.; Louisville Gas and Electric Company, Louisville, Ky.; Ohio Power Company, Canton, Ohio; and Union Electric Company, St. Louis, Mo.

The new Mark II generator now in operation at the Avco-Everett Research Laboratory is believed to be by far the most advanced generator in the country. Dr. Arthur Kantrowitz, Avco vice president and director of the Laboratory, said the new generator after further development will be capable of producing upwards of 500 kilowatts of power for the time periods necessary to evaluate engineering problems associated with the system. The project is under the direction of Thomas Brogan, principal research scientist at Avco-Everett.

The basic difference between an MHD generator and the present conventional electric generator is that part of the costly steam turbine cycle would be eliminated and much heavy

Appalachian Employees Give Big Boost To Electric Home Heating Sales Campaign

Sales reports continue to be outstanding in Appalachian's first concentrated electric home heating campaign, with emphasis on the conversion market.

But the big news is the way employees have pitched in to make the growth of electric heating a "job for all of us". Appalachian's four divisions have set up Employee Home Heating Prospect Campaigns on a competitive basis within districts, plants and divisions. From February 1, when the effort began, through March 22, the latest report date, employees in Appalachian had turned in 1,274 electric home heating prospects, already resulting in 98 sales.

This number is part of the 233 electric home heating sales made on the Appalachian system since February 1. Of this number, 134 are new homes and 99 are conversions of other heating systems to electric heat. Conversion sales during February and March were 47.8 per cent greater than in the same period of 1960.

In the overall company program, Appalachian is working with its Appalachian Reddy Kilowatt Recommended Electric Home Heating Dealers. Using the theme of "Switch To Flameless Electric Heat", these dealers are offering special trade-in inducements to home owners converting to electric heat. Appalachian is working with the dealers in furnishing promotional aids and other special help.

The employee campaign is being supervised by the division managers, working with management in each district and plant. Each division devised its own campaign.

A break-down of the number of prospects turned in by employees, and the resulting sales, is as follows:

Bluefield Division—Abingdon district and Clinch River plant combined: 65 prospects, no sales; Bluefield district (including division employees), and Glen Lyn plant com-

equipment would be unnecessary.

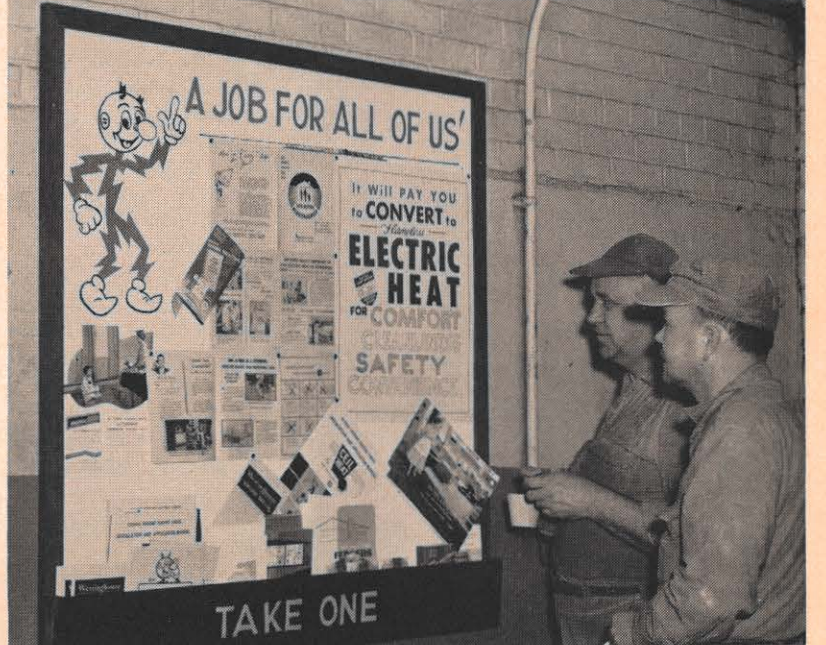
The principle of MHD has been known since early in the 19th Century when Faraday discovered that electricity could be made by moving a coil of wire with respect to a magnetic field. This, in essence, is how commercial electricity is produced today. A moving magnetic field driven by a steam turbine generates electricity in a fixed armature. Electric utilities today burn coal or other fuel to heat water into steam which drives the turbine.

In the MHD system the burning coal, oil, or atomic energy would heat a gas to such temperatures that it would become ionized and a conductor of electricity. This hot gas would be forced through a magnetic field and would produce electrical power directly in a static circuit.

Avco has been studying MHD, both as a possible source of electric power and as a propulsion source for space vehicles, for the past three years. Some of the scientists at the Laboratory have been conducting experiments in these fields for more than 10 years.

According to Dr. Kantrowitz, the past year's studies are believed to have solved one of the major problems facing commercial generation of power by MHD.

This is the problem of material versus temperature. Temperatures in excess of 4,000 degrees F. are required before combustion gases can become conductors of electricity. With this requirement it was neces-



Employee interest in the electric heating sales campaign is exemplified by this bulletin board at Cabin Creek plant. Ronald Morrison, test engineer, designed it, Hobart Harrah, boiler maintenance man, built it and Dan Hope, guard, painted the Reddy figure and sign. Note the information rack at the bottom, filled with literature on electric heating secured by Mr. Morrison from commercial department personnel. Discussing electric heating here are Don Ballard, boiler maintenance mechanic, left, and Tommy Graham, boiler maintenance man.

bined: 272 prospects, 4 sales; Pulaski district: 79 prospects, 10 sales; Welch district: 48 prospects, 1 sale; division grand total: 464 prospects, 15 sales.

Charleston Division—Beckley district: 35 prospects, 13 sales; Charleston district (including division employees): 238 prospects, 19 sales; Point Pleasant district: 45 prospects, 13 sales; Cabin Creek plant: 8 prospects, no sales; Kanawha River plant: 5 prospects, no sales; Philip Sporn plant: 4 prospects, 4 sales; division grand total: 335 prospects, 49 sales.

Huntington Division—Huntington district (including division employees): 72 prospects, 6 sales; Logan district: 129 prospects, 3 sales; Logan plant: 14 prospects, 1 sale; Williamson district: 79 prospects, 5 sales;

division grand total: 294 prospects, 15 sales.

Roanoke Division—Fieldale district: 39 prospects, 9 sales; Lynchburg district: 37 prospects, 1 sale; Roanoke district (including division employees): 85 prospects, 7 sales; system (those living in Roanoke area): 20 prospects, 2 sales; division grand total: 181 prospects, 19 sales.

Kingsport . . .

(Cont. from Page 1)

12,000 volt distribution line projects, and approximately 50 other projects related to the overall program.

Ahead of Demand

The five-year program enables Kingsport Utilities to keep ahead of fast-growing demands for power in the area. This demand comes from three principal sources: an overall increase in sales of kilowatthours, growth of industry in the area and an increase of electric heat users. At the end of 1955, before this project began, Kingsport had 1,280 home owners who had electric heat in their houses. At the end of 1960, this number had grown to over 3,500. The average annual kilowatthour usage per residential customer has grown from a usage of 6,000 kilowatthours at the end of 1955 to over 9,100 kilowatthours at the end of January, 1961.

The building program—the phase just completed and that work projected for the future—is the result of the work done by Kingsport Utilities' planning section. This section continuously makes load growth studies of the area, predicting where and how much the growth in use of electric power will be, and how to best have facilities ready to meet the growth when it arises.

Flexible

The program that is evolved, like the 1956-61 program, is flexible in that it can be stepped up if the need arises, or changes can be made in it with little trouble.

This planning section foresaw Kingsport's present growth years ago, and today is working years ahead.

"Evidence of the vitality of the community is all around us when we look at the way Kingsport is growing," Wright stated. "The city and its people deserve credit for their foresightedness and energy, and Kingsport Utilities is happy to be a part of this growth and to be able to grow with the community."

In the generator now being used by Avco, the plasma, or hot gas, is provided by a combustion chamber similar to a rocket thrust chamber which burns a mixture of kerosene or alcohol and gaseous oxygen "seeded" with powdered potassium salts to make the plasma a better electrical conductor. The plasma enters the generator at about 5,000 degrees F.



Glen Lyn Plant

C. L. Spangler, safety supervisor, taught a standard first aid class, completed by E. C. Weatherly, Raymond Compton, Jr., J. H. Witt, Jr., O. L. Whitlow, W. R. Johnson, L. K. Johnston, Jr., D. E. Brown, A. R. White, J. A. Johnston, O. W. Bond, T. B. Skelton, W. H. Dillow, R. E. Johnson, A. J. Turner, H. P. Jackson, Jr., N. J. Jesse, Jr., O. S. Knight, J. C. Drain, P. H. Mann, J. A. Saunders, A. H. Comer, R. K. McClaugherty, R. B. Comer, W. M. Woodyard, G. R. Whitt, and G. L. Evans.

Pulaski

It was a time of elections, particularly in fraternal organizations . . . O. B. Kidd, area supervisor, was named worthy patron of the Order of the Eastern Star . . . J. B. Brillheart, Jr., draftsman, was elected esteemed loyal knight of Lodge No. 1067, BPOE in Pulaski . . . Mrs. Lois K. Collins, contract clerk, and Mrs. Helen C. Bane, petty cash clerk, were elected treasurer and corresponding secretary, respectively, of the Pulaski Junior Woman's Club . . . Mrs. Mildred P. McCall, wife of B. B. McCall, division power sales engineer, was named president of the Madeline Harman Woman's Club. Reelected treasurer was Mrs. H. B. Newland, engineering stenographer and wife of the personnel supervisor . . . Stanley C. Smith, line inspector, attended the Grand Lodge of Virginia, representing the Pythagoras Lodge No. 239, of which he is worshipful master.

Bluefield

Danny, son of James R. Bailey, general serviceman, who is the only West Virginia student chosen to participate in the 1961 European Concert Tour of the School Band of America, has again been honored. Danny, 15-year-old student at Bluefield High School, won third-place honors in the Physical Science—Biology Division at the annual Mercer County Science Fair held in March . . . Congratulations also to Katherine Hicks, daughter of Emmett D. Hicks, division draftsman, who was the third-place winner in the General Science—Junior High Division. Katherine is a ninth-grade student

Course Completed



Another tough job is over for Isom Sergent, right, who accepts from A. R. Barber, Hazard district manager, a diploma signifying successful completion of an industrial engineering course offered by International Correspondence Schools. Mr. Sergent, meter reader at Hazard, enrolled in this course in August 1954, immediately after he had completed a 2½-year course in electrical drafting. He finished both courses with outstanding grades.

at Princeton Junior High School . . . Herbert D. Lester, office messenger, has resigned . . . Harriett Helton, O. B. supervisor at St. Luke's Hospital in Bluefield, recently attended the Convention of the American College of Surgeons in Philadelphia. She is the daughter of the late John Helton, Bluefield area supervisor, and the sister of Rex Helton, system transmission department . . . Mary Ruth Chambers, system secretarial-stenographer, is the new Associate Conductress of Bluefield Chapter No. 102, Order of the Eastern Star. Her mother, Mrs. Louise Whittington, will also serve as Page . . . Mrs. D. P. Minichan, wife of the assistant division manager, has been elected to a high State office in the Daughters of the American Revolution. She will serve as state magazine chairman . . .

(See Bluefield, Page 11)



Pikeville

Two employees were recent guest speakers . . . Mrs. Guialene Smith, home service representative, spoke to the Pikeville Woman's Club on patio entertaining . . . And H. H. Kincaid, district manager, spoke to the Rotary Club on flood control projects for the Big Sandy River.

Ashland

Mary Lynn, daughter of J. W. Scholtens, administrative assistant, was one of 12 students elected to the Coles Junior High School Honor Society.



Point Pleasant

Congratulations to K. C. Morris, engineering aide, and Frederick Nibert, T&D clerk, who have joined the Red Cross Gallon Club . . . Mavis J. Weaver, PBX operator, has resigned because of pregnancy . . . N. L. Click is a new janitor . . . W. C. Gilmour, administrative assistant, was reelected treasurer of the Christ Episcopal Church.

Charleston

Judy Hackney was a member of a team which participated in the West Virginia State Women's Bowling Tournament in Wheeling . . . Fred Brown, commercial, spoke on concepts in lighting design to the Electric League of Charleston.

Beckley

Welcome back to Thomas G. Allen, electrical engineer, who has returned from a military leave of absence . . . C. D. Fitzpatrick, working foreman, has resigned.



Elected

Smith Mountain Employees Fund officers, elected to serve during the coming year, are, from left, Bob Sadler, treasurer; Ross Newell, vice president; Hale Terry, secretary, and Jim Bauknecht, president.



Logan Plant

Review classes in first aid, taught by R. L. McComas and L. D. Adams, were attended by J. R. Beckett, G. G. Bias, D. F. Brumfield, Russell Butcher, Jr., T. A. Fender, W. E. Fortune, S. M. Hainor, A. V. Hannah, E. M. Jeffreys, Jr., Norman Johnson, Jr., D. D. Lambert, Jr., W. Z. Lee, G. W. McAbee, J. S. McNeely, Orville Napier, A. V. Pack, J. H. Porter, Ray Pridemore, Raymond Ray, I. B. Richards, W. H. Snider, A. J. Stowers, A. G. White and W. C. Workman . . . Monette, wife of D. F. Woolcock, chief chemist, was initiated into the Xi Sigma chapter of Beta Sigma Phi . . . And Shelba, daughter of E. R. Craddock, guard, was initiated into the Alpha Xi Pacesetters sorority at Logan High School . . . Bertha, wife of J. R. Beckett, shift supervisor, and her partner finished fourth in the doubles competition of the annual Logan Women's Bowling Association tournament . . . M. F. Morrison, plant personnel supervisor, is teaching first aid to members of Girl Scout Troop 73 of Justice Addition.

Logan

Congratulations to P. C. Gosney, Madison area supervisor, who was elected vice president of both the Madison Chamber of Commerce and the Madison Rotary Club . . . R. B. Waggoner, accounting supervisor, appeared in the Little Theatre produc-

Old And New



A novel display, contrasting the old and the new way to heat, has attracted comment and sales in Logan. T. J. Hanley executed the display in the lobby of the Logan office, which showed clearly the advantages Coal By Wire holds over the pot-bellied stove.



Jack Pippin, meter reader, and junior warden of Kingsport Masonic Lodge No. 688 F&AM, attended the Grand Lodge Session of F&AM of Tennessee in Nashville . . . Ken, son of Frank Umberger, assistant district office supervisor, was one of six Dobyns-Bennett High School students awarded membership in Mu Alpha Theta, international mathematics club for high schools and junior colleges.



Smith Mountain

Welcome to new employee Judy Boswell, clerk stenographer in the resident engineer's office . . . Gene Spitzer, cost engineer, has been appointed to the advancements committee for the Boy Scouts of Rocky Mount . . . Judy Snodgrass, a junior at Radford College, has been named to the school's May Court. She is the daughter of Earle T. Snodgrass, resident engineer.

Roanoke

The Scottish Rite Body, Degree Team Association, has selected R. E. Slaydon, heating and builder sales representative, as its new president . . . Reggie Reynolds, son of W. C. Reynolds, meterman, played on VPI's freshman basketball team . . . J. B. Whitmore, division planning engineer, attended the Senior Officers Nuclear Weapons Employment Course at the U. S. Army Command and General Staff College at Fort Leavenworth, Kan., Colonel Whit-

















(See Roanoke, Page 7)

Lynchburg First Aid



Lynchburg employees completed a standard Red Cross first aid course last month. Twenty-six employees earned their certificates from instructors James H. Haley, Jr., A. M. Ward and M. A. Langford. Above is a scene from a recent class, showing N. C. Davis, W. E. Crouch, C. D. Ross, J. H. Ward (victim), J. A. Martin (applying first aid) and Mr. Langford.

Service Emblems Presented

 P. C. Gosney Logan 25 Years	 W. H. Key Lynchburg 25 Years	 J. M. Wysong Huntington 25 Years	 G. C. Thompson Glen Lyn 25 Years	 J. A. Saunders Glen Lyn 25 Years	 H. P. Jackson Glen Lyn 25 Years
 Jesse Bussey System 25 Years	 C. H. Feiszli Logan Plant 25 Years	 C. W. Hale Abingdon 25 Years	 A. C. Skeen Abingdon 25 Years	 L. O. McKinney Cabin Creek 20 Years	 W. N. Moss Cabin Creek 20 Years
 C. L. Farley Bluefield 20 Years	 J. H. Nickels Kingsport 20 Years	 Norwood Dingess Clinch River 20 Years	 L. S. Caldwell Roanoke 20 Years	 C. E. Richardson Roanoke 20 Years	 J. E. Jones Roanoke 20 Years
 O. A. Keene Fieldale 20 Years	 Pearl Lester, Jr. Huntington 20 Years	 C. R. Brogan Roanoke 20 Years	 W. E. Moss Lynchburg 20 Years	 L. P. Lucas Logan Plant 20 Years	 W. C. Workman Logan Plant 20 Years
 Moscoe Blackburn Hazard 20 Years	 P. E. Scally Sporn Plant 20 Years	 D. O. B. Matthews Kanawha River 20 Years	 N. W. Collier Hazard 20 Years	 J. T. Childress System 20 Years	



Appalachian Power Company

Abingdon District—25 YEARS: C. W. HALE, truck driver-groundman; A. C. SKEEN, line inspector.

Beckley District—15 YEARS: H. H. CRAWFORD, collector.

Bluefield District—20 YEARS: CLYDE L. FARLEY, line foreman. 15 YEARS: CHARLES M. WAGNER, JR., division heating and builder sales coordinator.

Cabin Creek Plant—20 YEARS: WILBUR N. MOSS, boiler operator; LEONARD O. MCKINNEY, transformer maintenance mechanic.

Charleston District—35 YEARS: R. T. DONEGAN, T&D clerk; S. H. ESKINS, area supervisor. 5 YEARS: CHARLES E. HAYMAKER, lineman; JACQUELINE HOTTLE, general clerk; RICHARD L. ISNER, material clerk.

Clinch River Plant—20 YEARS: NORWOOD DINGESS, labor-janitor foreman. 5 YEARS: JAMES F. COMBS, auxiliary equipment operator.

Fieldale District—20 YEARS: O. A. KEENE, meter serviceman. 15 YEARS: R. A. YOUNGMAN, district engineer. 10 YEARS: D. A. MARTIN, T&D clerk; J. T. WILSON, appliance serviceman.

Glen Lyn Plant—25 YEARS: HARRY P. JACKSON, assistant shift operating engineer; JAMES A. SAUNDERS, chemist assistant; GARNETT C. THOMPSON, unit foreman. 10 YEARS: FLOYD F. FERGUSON, instrument maintenance helper; THOMAS T. THOMPSON, auxiliary equipment operator. 5 YEARS: JAMES C. SUTPHIN, utility operator (coal); GEORGE A. THWAITES, utility man.

Huntington District—35 YEARS: OPIE JACKSON, meter serviceman; WILLIE A. MOORE, janitor. 25 YEARS: JIM M. WYSONG, commercial sales representative. 20 YEARS: PEARL LESTER, JR., PBX operator. 15 YEARS: L. E. PERKEY, line foreman; W. C. ROSE, JR., electrical engineer. 10 YEARS: NATHANIEL BOWEN, groundman; R. M. HOGSETT, JR., merchandise order and billing clerk. 5 YEARS: JACQUELINE B. LAYNE, janitress.

Kanawha River Plant—20 YEARS: D. O. B. MATTHEWS, unit foreman. 10 YEARS: G. C. FANNIN, maintenance man. 5 YEARS: J. Q. BLAIR, helper.

Kingsport Utilities, Inc.—20 YEARS: J. H. NICKELS, JR., engineering aide. 15 YEARS: C. H. HAND, groundman. 5 YEARS: R. L. FERRELL, T&D clerk.

Logan District—25 YEARS: PAUL C. GOSNEY, area supervisor.

Logan Plant—25 YEARS: CARL H. FEISZLI, supervisor of maintenance. 20 YEARS: LESTER P. LUCAS, turbine operator; WARREN C. WORKMAN, mechanical maintenance helper.

Lynchburg District—25 YEARS: W. H. KEY, meter serviceman. 20 YEARS: W. E. MOSS, lineman. 5 YEARS: MARGARET S. FLOYD, credit and collection clerk; C. E. SANDERSON, meter service helper.

Point Pleasant District—15 YEARS: C. A. BURDETTE, stores supervisor; J. D. SPIGGLE, commercial sales representative. 5 YEARS: ROSE S. MARTIN, cashier.

Pulaski District—15 YEARS: MARTHA K. HORNE, home service representative.

Radford Arsenal Steam Plant—10 YEARS: T. W. GOAD, coal conveyor operator; H. M. McCOY, coal conveyor operator; C. E. SMITH, JR., turbine and switch-board operator.

Roanoke District—20 YEARS: C. R. BROGAN, meter service helper; L. S. CALDWELL, lineman; J. E. JONES, division area development representative; C. E. RICHARDSON, heating and builder sales representative. 15 YEARS: VIRGINIA J. AYERS, secretarial-stenographer. 10 YEARS: LAURA L. CLAIR, elevator operator. 5 YEARS: R. G. GARRETT, JR., draftsman.

Smith Mountain Dam—10 YEARS: RALPH CLEETER, timekeeper; HOMER C. MARTIN, chief of civil engineers.

Philip Sporn Plant—20 YEARS: PAUL E. SCALLY, personnel supervisor. 10 YEARS: CHARLES M. HALEY, equipment operator; RAYMOND J. SMITH, unit foreman. 5 YEARS: LEWIS R. GILLAND, auxiliary equipment operator; MARVIN J. McFARLAND, auxiliary equipment operator; LARRY C. LIEVING, auxiliary equipment operator.

System—25 YEARS: JESSE BUSSEY, system senior personnel assistant. 20 YEARS: J. T. CHILDRESS, working foreman. 15 YEARS: O. O. CLENDENIN, system station man. 10 YEARS: J. E. GLOVER, system station foreman; E. E. JOHNSON, regional chief dispatcher; T. K. SHEPHERD, system senior personnel assistant. 5 YEARS: C. H. GLOVER, SR., system control wireman; B. R. LARSON, electrical engineer.

Welch District—15 YEARS: CHARLES R. SETTLE, district superintendent. 10 YEARS: GARLAND B. GENT, lineman.

Williamson District—15 YEARS: W. H. KING, lineman. 10 YEARS: C. C. THOMPSON, truck driver-groundman.

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.

Green Promoted To KU District Post

Clyde E. Green was promoted March 1 to the post of district engineer, moving up from civil engineer of Kingsport.



Mr. Green

He was employed in October 1938 as a clerk in the engineering department. He worked as rodman and transitman before he was promoted in April 1942 to civil engineer.

In his new position Mr. Green will continue a number of his former duties and assume a portion of those formerly held by C. E. Holyoke, district superintendent.

He is married and has one daughter.

Company Man Gives First Aid

A man who happened to be at the right spot at the right time with the proper knowledge was H. M. Jones, Abingdon district lineman.

He stopped at a service station near Drill, Va., one day recently, and saw a woman whose hand was bleeding severely. She had fallen on broken glass and suffered deep cuts in the palm, and blood was seeping through a rag wrapped loosely over the wound.

Mr. Jones, who had company first aid training and holds an advanced certificate, got a tourniquet from the first aid kit in his truck, stopped the bleeding, and insisted that the woman go to a doctor at once in a car that was available.

W. J. Rose Named Director Of AEP

W. J. Rose, vice president and secretary of the American Electric Power Company, has been elected a member of its board of directors.



Mr. Rose

1954-58.

Mr. Rose, in addition, is vice president, secretary and a director of the AEP System's six operating companies, including our own three, and of the AEP Service Corporation.

Jack Builds House For Logan PTA Group

The 64th birthday of the Parent-Teachers Association movement was celebrated all over the country last month, and in Logan, Jack R. Beckett, shift supervisor at Logan plant, had a big hand in the observance.

Children of the Logan Central Grade School presented a skit for the observance meeting of the PTA, using a complete house, stage size, built by Mr. Beckett. The entire job, house, shrubbery, trees, flowers, flagpole, cross and star, was prepared in sections to be assembled by the children during the skit.

Employee's Help Draws Praise

Kindness and courtesy always pay, as proved by a letter received from Ralph J. Overby, an official of the Grand Lodge IOOF of West Virginia.

In his letter to the Williamson office he wrote "I appreciate the action of one of your employees, Mr. Hubert King (Williamson district lineman) when he stopped and helped start my car for me. It had stalled on a lonely section of the highway near Cinderella, W. Va. I felt the least I can do is send this letter of thanks."

Kentucky Power Company

Ashland District—15 YEARS: THOMAS COGAN, engineering aide; HERMAN TAYLOR, lineman.

Hazard District—20 YEARS: MOSCOE BLACKBURN, line foreman; N. W. COLLIER, area supervisor. 15 YEARS: EVERETT BUSH, lineman.

Pikeville District—15 YEARS: DAVID RATLIFF, material clerk.



The first home in Huntington to have electric lighting has fallen in progress. The old mansion on Third Avenue was built in 1893 by Mr. and Mrs. Ely Ensign, and in later years housed part of the Huntington Orthopedic

Hospital. It is being torn down to make room for a new building. The razing is being done by Rabbitt Jarrell, whose father helped build the house 68 years ago. (Photo Courtesy Huntington Publishing Company.)



Camera Roundup



Second place among more than 400 entries in the Huntington area Science Fair was won by Cynthia Warren, daughter of Wayne Warren, assistant stores supervisor at Logan. A seventh grade student at Logan Junior High School, she designed and built an electric motor.



During a recent windstorm in Huntington a tree fell on a 4-kv line, and broke the No. 2ACSR conductor. The result was a strange compression pattern, examined here by Paul Harlan, left, line supervisor, and Fred Schwartz, district superintendent.



Here is part of a refresher first aid course being offered at Clinch River plant for the 80 persons who have completed the standard course and the 25 who finished the advanced course. Nine refresher classes, each three hours, are planned.



E. V. Dunn, Bland area serviceman, was honored at the Bluefield supervisors' luncheon on the occasion of his retirement February 28. Attending the luncheon were ten retired employees. Their names and retirement years are, seated, l. to r., L. H. Saunders '55, H. E. Mattox

'51, W. T. Elswick '55, H. W. Walk '49, and Otto Bressler '60; standing, D. A. Johnston '57, Larry Dunn '57, W. E. Brooks '58, E. V. Dunn, A. L. Wellford, Jr. '60, and J. P. Gills '60.



New officers recently elected to head Huntington's Appalachian Employees Benevolent Association are l. to r., seated: June Deal and Wilma Melrose, board members; standing, F. C. Lake, vice president; L. A. Meador, president, and Cris Connelly, member of the board.



Standard First Aid Certificates were presented to 19 Fieldale employees when they completed the standard course last month. Instructor J. W. Wright watches as A. B. Beheler applies a splint to Audrey Harlowe's arm.



Here's Fieldale's Audrey Harlowe again, this time minus the splint as she models an evening dress for the Martinsville-Henry County Woman's Club fashion show. Also modeling in the show were Jackie and Pamela, twin daughters of T. J. Shelton, district lineman.



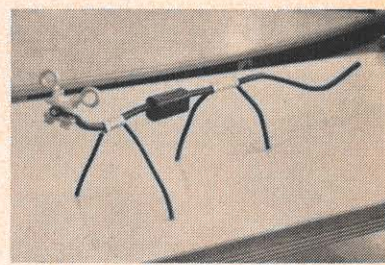
Dedicated to the rehabilitation of the lame, a new electrically-heated and-cooled therapy center was opened in Logan last month. The \$16,000 building was built from public contributions to the Community Chest, and by Easter Seal sales. Howard Collins, Appalachian employee in Logan, is a member of the center's board of directors.



In Charleston division they start corollary reading at an early age. Nineteen-month-old Mark McMahan was photographed by Chris Mitchell as he sat engrossed in "Electrical World." His father, W. C. McMahan, Beckley district manager, was in Charleston for a meeting. Beckley and Charleston papers also used the story and picture.

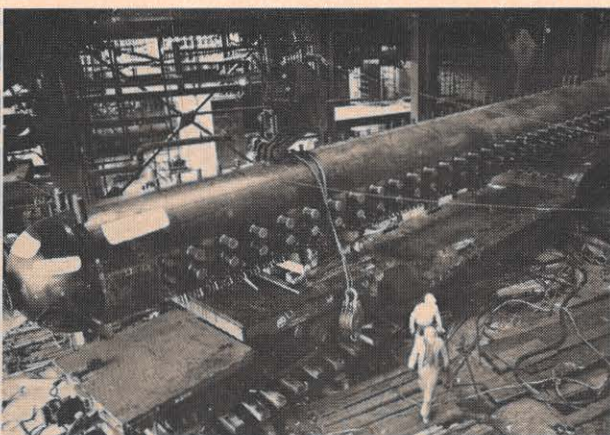


Celebrating their 60th wedding anniversary March 12 were the parents of Frank J. Umberger, Jr., local office supervisor of Kingsport Utilities. The elder Mr. Umberger, 89, is still active in business in Kingsport. More than 150 friends helped the couple celebrate the day.



There's a new breed of dog in Point Pleasant, developed by engineering department employees experimenting with connecting techniques. A cap insulator, a mid-span connector and aluminum crimpits were used among other things, to build this critter.

Clinch River: Construction To Installation



Huge pieces of equipment have begun flowing into Clinch River plant's third generating unit. At left, the low pressure stator rests snugly on a flat car in Roanoke after

re-loading, and at right the 76-foot-long boiler drum is about to be hoisted into position at the plant. The railroad tracks were laid especially for the car.

Arrival of the first generating equipment for Clinch River plant's Unit No. 3 shifted emphasis from construction to installation last month. Shortly after completion of the structural steel, the 192-ton boiler drum was brought into the unit on a railroad flatcar over specially-laid tracks. The drum was hoisted into position 123 feet above ground level and secured in place by the permanent hanger U-bolts.

stator for the low pressure section of the generating unit, shipped from the General Electric plant in Schenectady, was transferred in Roanoke from one flat car to another low enough to clear tunnels between Roanoke and the plant. The high pressure stator will follow shortly.

By the time the equipment started arriving, the general contractor's work at the plant was 85 per cent completed, and the piping, boiler, and electrical work from 10 to 15 per cent. More than 300 men were working on the \$30-million project at the start of last month. Starting date for work on the superstructure of the cooling tower was April 1.

System Employee Dies Of Burns



Mr. Latham

Stanley E. Latham, system control wireman, system station department, died March 13 at Roanoke Memorial Hospital due to burns received earlier that day at Saltville Station.

Mr. Latham was employed October 5, 1953, as system control wireman. Prior to employment with the company he had worked for various engineering concerns as electrician, supervisor of line construction and foreman of substation construction.

Surviving are his wife, a daughter, a step-daughter and step-son and his mother. Funeral services were held at Roanoke and burial was at Hartwood Presbyterian Cemetery, Hartwood, Virginia.

Roanoke . . .

(Cont. from Page 4)

more is commanding officer of the 2012th Logistical Command, a local reserve unit . . . A. M. Beatty has been elected second vice president of the Civitan Club . . . Congratulations to C. E. Smith, T&D clerk, and L. D. Price, draftsman, who recently became members of the Red Cross Gallon Club . . . J. G. Brittain, merchandise bookkeeper, has been appointed organist for the Roanoke Lodge of Benevolent Protective Order of Elks for the third year. He has also been elected to a new term on the board of deacons at the First Baptist Church . . . Charles W. Cromer, Jr., is a new groundman.

Lynchburg

Congratulations to D. C. Kennedy, district manager, who has been named chairman of the Lynchburg School Board. He has been on the board for a number of years . . . Mrs. Ben Cook, wife of the material clerk, has been elected treasurer of the Lynchburg Association of Insurance Women . . . L. G. Dougan, personnel supervisor, has been selected chairman of the nominating committee for the Lynchburg Federation of the PTA . . . Joan Smith, personnel clerk, has resigned.

Hard Hat Thwarts Insulator



A. G. Adams, Roanoke truck driver-groundman, is another employee who is thankful for his hard hat. Here, W. S. Kitchen, assistant system safety director, left, presents Mr. Adams with his membership certificate in the Turtle Club as J. C. Shelton, line foreman, right, looks on. Mr. Shelton is holding the one-pound spool insulator that fell 19 feet onto Mr. Adams' hard hat, which prevented a serious injury. He is the fourth Roanoke district employee to join the Turtle Club, made up of people whose hard hats have saved them from death or injury.

Death Takes H. M. Sawyer, 69

Harold M. Sawyer, 69, retired vice president of American Electric Power Company and of our companies, died March 5 after surgery. He had also been a director.

Mr. Sawyer retired in 1952 after a 41-year sales career with the AEP System. He started in 1911 with Scranton Electric Company, a former system affiliate, following his graduation from Cornell University as a mechanical engineer.

In 1920 he was transferred to the New York office after holding positions with Atlantic City Electric Company and Wheeling Electric Company. He advanced from assistant contract agent to sales vice president, a position he held for 24 years.

At various times Mr. Sawyer served as chairman of the Sales Executive Conference, and as president of the Association of Edison Electric Illuminating Companies. He also served the Edison Electric Institute, trade association for the nation's investor-owned electric utility companies, as head of several committees.

Surviving are a son and four grandchildren.

Why Your Doctor May Not Suggest Hospitalization

There are times when your physician may not recommend that you enter the hospital for some procedures, even though your insurance stipulates that payment will be made only when you are hospitalized.

Strange as this may seem, your doctor may be trying to keep your total costs down. (Remember that it is your money that pays for your hospitalization.) There are many, many professional procedures which can be done with equal safety and efficiency in your doctor's office at a much lower cost than in a hospital. One recent study showed that a procedure costing \$35 in a medical office could amount to \$100 when done in a hospital because of the greater per patient costs involved in running a hospital.

So, don't pressure your physician into hospitalizing you unnecessarily when he thinks he can care for you properly in his office. When certain medical services can be more economically provided on an out-of-the-hospital basis the result can be lowering of overall medical costs. Furthermore, it assures that hospital beds will not be filled with persons not seriously ill and a bed will be more available when you really need institutional care.

(From a pamphlet of the American Medical Association.)

W. B. Bobbitt, Rock Expert, Going Strong After 50 Years

You would have to look a long time to find a man who knows more about limestone than Radford's Walter B. Bobbitt. He has spent more than 30 years of his life with the Radford Limestone Corporation, worked in the quarry and office, quarried, crushed and sold the rock, and when necessary, collected for it. He is now manager of the operation, and at an age when most men have long since retired, he is looking forward to more work.

It was a happy choice that brought Mr. Bobbitt to Radford in 1930 when the limestone company was acquired by the American Electric Power Company. The operation was then known as Radford Limestone Company, and continued under that name until it was sold early this year. Mr. Bobbitt had been in the stone business since shortly after the turn of the century, and managed quarries in Wisconsin, West Virginia, and Virginia and in various stone operations. He had already mastered that exacting trade, and had also spent seven years working for a railroad in West Virginia as a roadmaster before he came to Radford. On that railroad job, he acquired the traits of strength, leadership, and authority that he has stamped on Radford Limestone Corporation.

Leadership is what he gave the operation, which had been quarrying and crushing stone under various names for nearly a half-century, and leadership is what he gave the entire industry when he developed a workable stone sand.

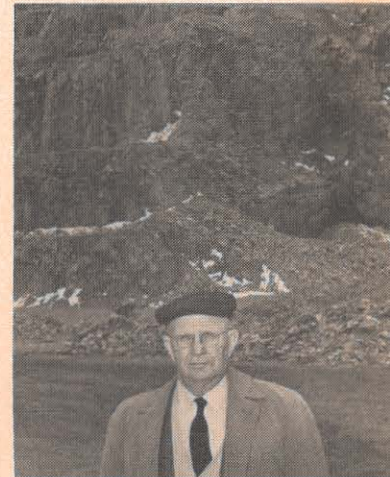
Long Search

For years, construction men had searched for a workable sand that could be made from stone. Such a find would reduce construction costs, increase efficiency, and create a stronger binding concrete. In 1935, five years after moving to Radford, Mr. Bobbitt had developed such a sand from the stone in the quarry. Word got around, thanks to the story that Mr. Bobbitt wrote for the national magazine, "Rock Products." (Mr. Bobbitt has been a subscriber to this magazine for half a century.) The industry realized it had something big. A sample of the new sand showed the highest test results of any conventional sample for strength and bonding qualities. Requests for samples and information came from all over the country then and since. Just this year, one man called from Winnipeg to find out more about the sand. Last year, another construction man drove from Washington one Sunday just to get Mr. Bobbitt's advice on a project requiring large amounts of the sand, and spent most of the day with him. When he learned, in the course of the day's discussions, that Mr. Bobbitt was a dedicated church worker, he gave him a five dollar bill "for the plate".

Development of the sand came just in time to meet the construction needs of Claytor Dam, just a few hundred yards upstream from Radford Limestone Corporation's office. Into this structure went 265,000 yards of concrete made with Bobbitt's improved sand, all supplied from the company's quarry. They can say of Mr. Bobbitt and Claytor Dam what someone said of the architect Sir Christopher Wren's buildings in London: "If you would see his monument, look about you."

AEP Career

This achievement is what Mr. Bobbitt reflects on with the most pride as he looks back on more than a half-century in quarry work, and he is proud, too, of the 30 years he has been a part of the American Electric Power Company. For most of



Mr. Bobbitt poses in front of the quarry where he has worked for more than 30 years. From here came the rock and sand used in Claytor Dam construction.

those years, his boss was Graham Claytor, then an AEP vice president and now a company director, and the man for whom the dam was named, and who was responsible for bringing Mr. Bobbitt into the organization. The two have always worked well together, and of Mr. Claytor, Mr. Bobbitt has said that "he was a man you can admire and respect."

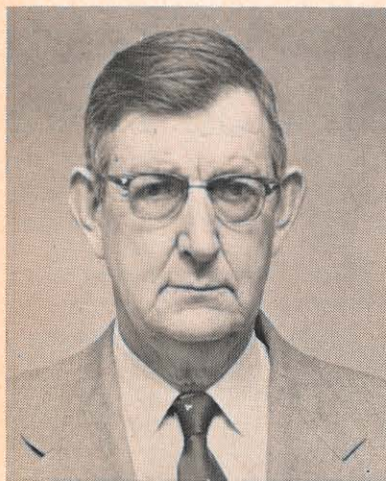
Mr. Bobbitt himself is such a man. The employees of the company respect him because they know he knows his business. This is the man who has worked in stone for longer than many of them have lived. Mr. Bobbitt still keeps a close watch on everything that goes on in the quarry. He is on the job usually around seven in the morning, getting things done; his blue pick-up truck bumping around the quarry is a familiar sight during the day.

Weight Only Problem

Mr. Bobbitt is in first-class health, although he confesses that these days he is on a diet program in an effort to lose some weight. He is not a man given to hobbies, having found that work was always enough to keep him occupied. His major outside activity is church work. He was made a deacon in the Baptist Church in 1904, and has maintained an active membership in the church ever since. He is presently deacon emeritus. He is vice president of the Virginia Aggregate Association, a Rotarian, and has been a member of the National Crushed Stone Association for 35 years.

He is a friendly man, but not a back-slapper. His sense of humor is good, and given to homey touches of speech, rather than broad jokes. For example, when a problem comes up, and Mr. Bobbitt believes that it will solve itself without people getting excited about it, he advises his men that "there's no use waking the baby just to hear him cry."

Mr. Bobbitt and his wife, their daughter and family, all live in Radford, the elder Bobbitts in a new house. In a way, his house reflects his stature as a company man: all of the mortar and concrete was made with his own stone sand. And an important thing is this charming house is a complete electric home.



Mr. Dunn

Fish, TV Await Retiree Dunn

Retirement ended the 43-year career of Everett Vance Dunn, Bluefield area serviceman in Bland, March 1.

Mr. Dunn began his employment at Bluefield in May 1917. He worked as lineman at Piedmont, did relief work at Switchback, and later moved to Welch. He worked in Bland and Bastian, Va., in several capacities, and moved to Bland permanently in 1929. He became area serviceman in 1951.

Active in all community activities, Mr. Dunn is a member of the Kiwanis Club, the Masons, Eastern Star, and American Legion. He is a member of the Methodist Church, and chief hobbies are fishing and television, in both of which he claims proficiency, and he is a veteran of World War I. He is married to the former Miss Josephine Burton, and he has two grown children by a former marriage: Jack, also employed by Appalachian at Bland, and Mrs. Mildred Ryan, Los Angeles.

Roanoker Selected By Editors' Group

C. Richard Lovegrove, editor in system public relations, has been elected president of the Appalachian Industrial Editors Association.

He rises to the AIEA presidency from the post of vice president. Election came at the group's winter meeting in Kingsport.

The Association is made up of editors of employee publications of industries and businesses located in western Virginia, eastern Tennessee and North Carolina.

Tillinghast Named New Unit Engineer

John A. Tillinghast, staff engineer for the American Electric Power Service Corporation, New York, has been appointed project engineer for the newly-announced 580,000-kilowatt unit to be built at the Tanners Creek Plant of Indiana & Michigan Electric Company at Lawrenceburg.

Mr. Tillinghast was born and educated in New York City. He received his BS and MS degrees in mechanical engineering from Columbia University before joining the Service Corporation's mechanical engineering department in 1949.

He has had extensive experience in the engineering and design of major steam boilers and turbines. Since 1956 he has been responsible for the arrangement of equipment for such giant generating units as the two 500,000-kilowatt machines now in operation in plants in I&M's Breed plant in Sullivan, Ind., and the Philip Sporn plant.

Retired Foreman At Kenova Dies



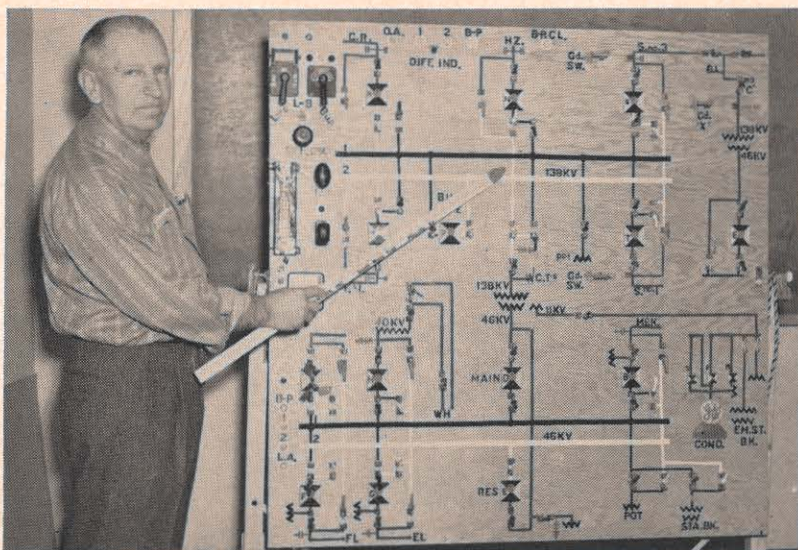
Mr. Rowe

Drue J. Rowe, 74, retired Kenova plant foreman, died March 17 a few hours after suffering a heart attack. He retired March 1, 1952 after having completed more than 26 years of service. He was first employed by the company in the fall of 1925 as a repairman.

Mr. Rowe was born in Fort Gay, W. Va., and spent much of his early life in that section. From 1906 to 1910 he was in the Army, and served two years in the Philippines.

His survivors include his wife, three daughters, four sons, and 20 grandchildren.

Services were conducted at the Beard-Fisher Funeral Home in Huntington, and burial took place in Boulevard Memorial Park.



C. J. Aders explains a switchboard he and two others made to help make their work at Beaver Creek station easier, safer and more efficient.

Switchboard At Beaver Creek Station Makes Work Safer And More Efficient

Just as line crews make use of the tailboard conference to familiarize themselves with a particular job, the operators at Pikeville's Beaver Creek station use a switching board to aid them in their work.

The operators—C. J. Aders, Curtis Wallen and Bernard Little—constructed the board themselves to use in the 138,000 volt station. Mr. Aders recently explained the board and its use at the district's monthly safety and operating meeting.

The board contains a one-line diagram with the switches, oil circuit breakers, regulators, condenser and main feeds in and out of the station. It utilizes lights, just as a main panel, and small blade switches to represent the air break and disconnect switches. The operators use the board to set up actual problems and find the best solutions.

At the meeting, Mr. Aders explained the symbols and abbreviations, plus the color codes on the board, and then went into standard procedures for sleet testing on 138,000 volt lines into the station, lockouts and other problems.

Then each person at the meeting was given a typewritten sheet with a series of problems to be worked out. Some were asked to come before the group and solve problems on the board.

'World' Uses Article By Abingdon Employees

An article by two Abingdon employees appeared in the March 20 issue of *Electrical World*.

The article, "Binoculars Aid In Field Inspections," was written by H. C. Breeding, electrical engineer, and R. R. Gregory, lineman, and appeared in the Electric Utility Methods section of the magazine.

Mr. Aders sums up the value of the board by saying: "The board helps to prearrange and check work, train switchmen, perform duties more safely, efficiently, accurately and promptly. It makes work easier, not harder. It is a matter of work simplification."

Lighting, Plant Operations Subjects Of Articles In 'AEP Operating Ideas'

Suggestions from employees of the Huntington division and Logan, Kanawha River and Clinch River plants were carried in the March issue of *AEP Operating Ideas*.

Paul C. Kelsey, Huntington division line engineer, was the author of "Timer Measures Street Light Burning Hours." He describes an electric clock with an elapsed-time counter used to record cumulative hours of actual lamp burning for street lights in the city. The timer has proved more satisfactory in keeping an accurate check for group light replacement than previous methods used.

"Retracts Slag Blower When Controls Fail" was written by P. E. Evans, auxiliary equipment operator, and Earl Adkins, maintenance foreman, at Kanawha River Plant. They describe a device designed to retract the blower lance tube when the controls on a slag blower air motor fail to reverse the blower after it has completed its full travel into the blower. The device makes removal safer and easier, and the method may mean the

Employee Helps Badly Cut Boy

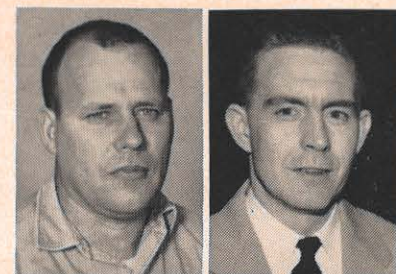
Willard A. Johnson has done much for his fellow man. The manner he usually takes is giving blood to the Red Cross—he has donated 3 1/2 gallons so far.

But recently Willard, Princeton meter reader in the Bluefield district, provided aid in another way. Several youngsters were sledging when one of them failed to make a turn and ran into a wire fence. The others were helping him home when Willard happened on the scene.

He examined the boy and found he had an eight-inch cut, one and a half inches deep, on his leg, and it was bleeding profusely. Using towels, Willard bound the boy's thigh tightly, treated him for shock, and got him to a hospital, where 150 stitches were required to close the wound. Hospital attendants later said the boy could easily have bled to death, except for Willard's first aid.



Mr. Johnson



Mr. Evans

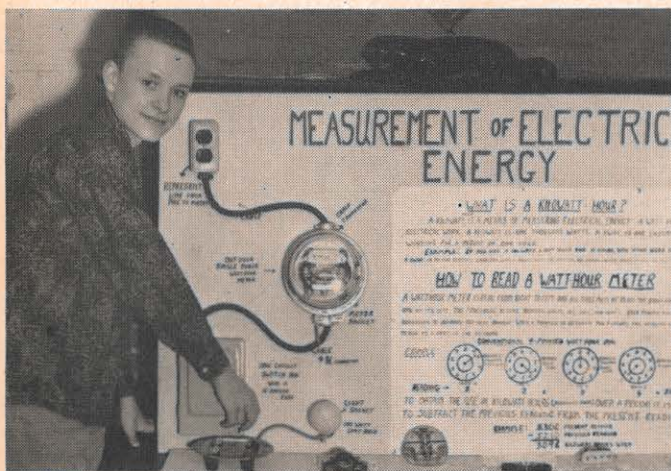
Mr. Adkins

difference between saving the lance tube and losing it.

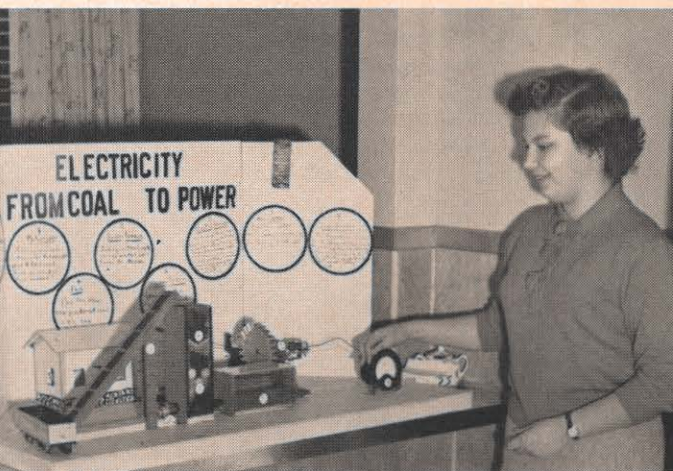
"Another Way To Retract Stuck Slag Blowers" was written by five members of a slag blower class at Clinch River plant—E. C. Carr, R. G. Ferguson, E. S. Kees, C. M. Powers and P. N. Sutherland. These men approach the problem by using an electric pipe threader assembly for quick and easy removal of the slag blower.

The maintenance supervisors at Logan plant, Carl H. Feiszli and the late George Frey, were the originators of "Change Saves Repairs On Ash Hopper Walls." Original construction of the ash hopper walls had not provided for daily startup-shutdown of boiler operation, causing the walls to break down. These walls, below the lower waterwall headers of boiler A, were modified to eliminate this maintenance problem.

Ashland Youths Excel With Science Fair Exhibits



Winning prizes in recent Science Fairs for their exhibits on electricity and bearings were these three Ashland youngsters, children of Ashland employees. The two first prize winners will go on to Marshall University later



this year for the Tri-State Area Science Fair to compete against contestants from the area surrounding Ashland, Huntington and Ironton, O. LEFT: Bill Watson, son of William Watson, Ashland meter service clerk,



won red ribbon second prize with the exhibit on the "Measurement of Electrical Energy." The exhibit was entered in the Putnam Junior High School Science Fair, where he is an eighth grader. CENTER: Tony Pope,

daughter of Charles Pope, Ashland system accounting office, won the blue ribbon first prize at the same fair with her "From Coal To Electricity" exhibit. She also is an eighth grader. RIGHT: Mary Lynn Scholtens,

daughter of J. W. Scholtens, administrative assistant, also won a blue ribbon first prize, hers coming at the Coles Junior High School Science Fair. Her exhibit is on the "Development of Bearings." She is an eighth grader.

Good Idea!

Plants Lead In Work Proposals

A total of 31 proposals in our companies' Work Simplification Program, an unusually heavy number, received approval in the division of their origin during February.

Of these, 21 came from plants, led by Clinch River with 8. The ideas involved many facets of company operations.

Bluefield Division

In Abingdon, J. J. Roseberry of T&D suggested a better way of refueling line trucks, and in Pulaski, J. J. Duncan, also of T&D, suggested punching pre-print stores issue and credit records so they could be used on peg bars.

Claude A. Farley, Welch T&D, in pointing out that poles located in remote or inaccessible parts of the territory are sometimes damaged by forest fires, has suggested a blanket of insulation three feet high for them. His experiments have proved the insulation useful in preventing fire damage.

Huntington Division

Three ideas came from Logan. V. C. Mauck and J. A. Kovich of T&D proposed that, since it is no longer necessary to report electric utility property by magisterial districts within a county in West Virginia, the maps be discontinued.

H. R. Jackson, W. E. Warren and L. J. Chatfield of Logan stores have suggested a plan involving the yearly cycle inventory by the storekeeper,

saving him time and work. And J. H. Rapier of T&D proposed attaching the service drop to an insulated clevis.

From Huntington, T&D's W. H. Holley has suggested locating outside winch controls on both sides of trucks for easier, safer working. Roy Birnbaum, also of T&D, suggested that on field trips to gather data for street light locations in Huntington, all information on the location, whether needed then or not, be gathered and filed for future use, eliminating future trips.

Roanoke Division

The division's one suggestion in February came from W. W. Krebs of Roanoke T&D, who suggested that poles and anchors be installed by a three-man crew using a truck equipped with a hydraulic hole digger and hydraulic derrick with a 270-degree rotation.

Kentucky Power

Ashland's Martha Hankins, managerial, suggested a method for reducing the reproduction costs of monthly reports.

Plants

Philip Sporn plant employees contributed four suggestions. R. Hern-

don, results, proposes that altering the water level on the ash tub seal skirts will prolong their life. E. Kaylor, maintenance, suggests omitting the plug weld in the ash tub seal skirts. M. McFarland, operations, says that safety will be provided if hand railings are installed in the east side of trash rakes on all units. And B. Wallace of maintenance has a suggestion for lifting bracket aids in ash line replacement.

The boiler maintenance department at Cabin Creek plant has designed an improved scaffold for burner and roof tube repairs. Because turbine room and boiler room alarm horns were needing excessive maintenance during long shut-downs, G. E. Briers of production has suggested replacing them with air whistles. P. S. Rose of Cabin Creek's operations suggests a tie line between water supply lines and service water booster pump discharge lines to keep flyash lines from freezing during shut-downs. This method eliminates the need for using auxiliary power to keep the lines from freezing.

From Kanawha River plant, J. L. Kern, results, suggested replacing recorder strings with nylon fishing cord, and C. L. Knight, results, devised a method of reducing the cost of coal counter flexible shaft assembly.

J. L. Vaughan of Radford Arsenal steam plant's production department describes an ash system jet nozzle made in the plant shop by use of welding equipment and drill jigs. And Plant Manager E. L. Goforth tells of a tool designed to align out-of-round, beat-up, rusted or otherwise mutilated couplings.

Glen Lyn plant's H. H. Reed suggests ladders being purchased and hung on sides of boilers near the point of use to eliminate wasted time looking for them. And E. V. Harris suggests eliminating a recorder used for steam and feedwater samples, putting them on the condensate recorder.

Of the eight suggestions from Clinch River, two came from F. M. Barr, operations. He proposed changing lights on the fan floor to a manual master switch so that they would be off when not needed, and suggests installing hose connections to fire hydrants in the basement, so that all the basement could be washed down with one section of hose.

C. E. Murphy, operations, suggests a method, during pipe flume blow-down, of saving flume water. Carson Rasnake, maintenance, suggests using a wink light, instead of flash bulbs, for all indoors pictures at the plant. C. F. Herbert, operations, suggests that the auxiliary equipment operator be equipped with a master key for locked equipment used in as recirculating water pump checks. Buell Cook, also of operations, suggests relocating barometer and condenser vacuum gauges from behind the back of the turbine panel to save operator steps and time.

E. P. Ott of production proposes relocating the shift operating engineer's office to the same elevation as, and near, the machine shop. To obtain clearance now, it takes five minutes of walking and riding an elevator to and from the office to get a clearance on work. Finally, T. E. Peay, maintenance, suggests setting a timer on operating screens so that different baskets will be under water at different times, removing the need for so much greasing of the screens.



Mr. Fairchild

Fairchild Takes Early Retirement

J. D. Fairchild, district chief of party in Hazard, took early retirement March 1 after an extended illness. He was on his way to work the morning of February 19, 1959 when he slipped and fell on an icy street, and broke his leg. Later he developed severe arthritis.

Mr. Fairchild came with the company in July 1945 as a transitman in the engineering department. In 1949 he was promoted to district chief of party.

Ashland's Sutphin Gets Promotion

O. F. Sutphin, supervisor in Kentucky Power's general accounting office in Ashland, has been promoted to administrative assistant.



Mr. Sutphin

A veteran of 35 years in the electric utility industry, he began work in 1925 with Appalachian's general accounting office in Roanoke. He was assistant supervisor before transferring to Kentucky in 1939 as materials and supplies supervisor. In 1960 he was promoted to tax and statistical supervisor, the position he held prior to his promotion.

A native of Pulaski, he attended public schools there before going to National Business College in Roanoke. A member of the Ashland Recreation Commission for six years, he has served as deacon, finance chairman and choir member of the First Christian Church. He is married and has two sons.

Four From Huntington And Charleston Celebrate 35 Years Each With Company

Four veterans from Charleston and Huntington have celebrated their 35th anniversaries with the company.

They are S. H. Eskins and R. T. Donegan of Charleston and Willie A. Moore and Opie Jackson of Huntington.

S. H. Eskins

Mr. Eskins, Whitesville area supervisor in the Charleston district, joined the Montgomery Utility Company March 22, 1926. When Appalachian purchased that company he continued at Montgomery, and became district serviceman in 1937. He was a troubleman before transferring to Whitesville as local superintendent in 1949. He became area supervisor later.

A native of Chelyan, he is a veteran of World War I, serving with the Navy for four years, including 27 months in France. His favorite relaxations are hunting, fishing and sports, particularly baseball. He used to play in Charleston's Twilight League.

He is a member of the Whitesville Rotary Club, is a 32nd degree Mason, and a member of the Beni Kedem Temple of the Shrine and the Scottish Rites Bodies. He is married and has one son and three grandchildren.

R. T. Donegan

On March 8, 1926 Mr. Donegan, now Charleston T&D clerk, joined the company as a helper. He was a groundman before becoming a lineman in 1934. In 1940 he came in contact with an energized line, necessitating the amputation of both hands. He was fitted with mechanical hooks, mastered them and returned to work the next March to work with the line crew and at the Slack Street Plant. He later became a T&D clerk.

Mr. Donegan is married and has two children. He is a native of Bancroft.



Mr. Eskins

Mr. Donegan



Mr. Moore

Mr. Jackson

W. A. Moore

Mr. Moore, Huntington janitor, completed 35 years of service March 10.

A native of Columbus, Miss., he attended schools there. He is a member of the Antioch Baptist Church and is Adult Bible Class teacher.

Mr. Moore is married, has one daughter, three sons and ten grandchildren. His hobby is fishing.

Opie Jackson

Mr. Jackson, Huntington meter serviceman, joined the company March 18, 1926 as a truck driver. He has also worked as a mechanic, meterman, lineman and maintenance man.

A native of Monroe County, he is a member of the Spring Valley Civic Club, an Elder in the Westmoreland Church of Christ and has two sons who are ministers in the same denomination. He also has a daughter and 12 grandchildren.

His hobbies are bowling and hunting, and he owns two saddle horses.



Appalachian Power Company

Abingdon District

W. H. CONNER, JR., from lineman B to lineman A; K. K. NIPPER from lineman B to meter serviceman B.

Beckley District

W. J. GROSECLOSE from groundman to truck driver-groundman; P. W. HATCHER, JR., from auto repairman B to working foreman; D. H. WILLIAMS from groundman to auto repairman helper; B. C. THOMAS from truck driver-groundman to lineman C.

Bluefield District

JACK S. DUNN from lineman A to area serviceman; HENRY D. JONES, JR., from T&D clerk to T&D clerk, senior.

Fieldale District

AUDREY E. HOPKINS from clerk trainee to merchandise bookkeeper.

Huntington District

RONALD W. STILTNER from tracer to draftsman.

Lynchburg District

A. B. CREWS from groundman to meter reader; HERBERT M. FIGG, JR., from engineering aide to heating and builder sales representative; KATHRYN JESSEE from clerk-stenographer to stenographer; JAMES K. REID from lineman A to engineering aide; D. J. THOMPSON, JR., from heating and builder sales representative to commercial sales engineer.

Roanoke District

J. R. BRYANT from working foreman to division service representative.

Smith Mountain Dam

JIM ALLEY, payroll supervisor, from Philip Sporn Plant construction to Smith Mountain construction; DON BACHELOR, material clerk, from Muskingum River Plant construction to Smith Mountain construction; HOWARD HUCK, assistant cost engineer, from Breed Plant construction to Smith Mountain construction; HOMER MARTIN, chief of civil engineers, from Kentucky Power Company to Smith Mountain construction; CHARLES SEIBERT, assistant concrete engineer, from Philip Sporn Plant construction to Smith Mountain construction; J. D. BUTLER, timekeeper, from Philip Sporn Plant construction to Smith Mountain construction; KEITH REDWINE, assistant concrete engineer, from Kentucky Power Company to Smith Mountain construction.

Philip Sporn Plant

JAMES H. BEARHS from junior maintenance man to maintenance man; HAROLD A. EBERSBACH from temporary guard to janitor; BERNARD G. HOFFMAN from tractor operator to conveyor operator; KENNETH O. ROLLINS from conveyor operator to tractor operator; LEONARD R. M. ROUSH from maintenance helper to junior maintenance man; CECIL A. SMITH from maintenance man to master maintenance man.

Welch District

J. C. C. HUGHES, heating and builder sales representative, from Welch to Abingdon.

Kingsport Utilities, Inc.

SHELBY HARRISON from clerk-trainee to clerk-typist.

Wedding Bells Ring For Couples



Hartman-Amos

Faye Louise Hartman and Billy Glenwood Amos were united in marriage on March 3 at the Calvary Tabernacle Church in Roanoke. Mrs. Amos is a clerk trainee in the system accounting department in Roanoke.

Harris-Waddell

Patricia Harris and Jerry Waddell were married in a double ring ceremony performed February 24 at the home of the bride's grandmother. Mrs. Waddell is the daughter of Victor A. Harris, Williamson district area serviceman, and a niece of Everette Carrico, Williamson line foreman.

Swiney-McClure

The Madson Baptist Church was the setting of the February 25 wedding of Patricia Lynn Swiney and Boyd McClure. Mrs. McClure is the daughter of Hursten Swiney, Madison area working foreman in the Logan District.

Altrusa Taps Leader For Its First Year



Preparing for the first year's activities, Bennett McAlpine and Louise Allison go over Kingsport Altrusa Club plans.

The first president of Kingsport's recently organized Altrusa Club is Bennett McAlpine, home service representative.

Louise Allison, wife of the company's stores supervisor, was named a director. Twenty-three charter members make up the service organization for executive and professional women in different careers. The club's aims are patriotism, efficiency and service with a theme of "Make Service Your Business."

Both Mrs. McAlpine and Mrs. Allison, who is assistant cashier at the Kingsport National Bank, are active in civic and local organizations.



Married in recent weeks were, TOP ROW from left: Mrs. Robert Stewart Musgrave, Jr., Huntington; Mr. and Mrs. G. C. Everett, Jr., Huntington; and Mrs. Billy Glenwood Amos, system. MIDDLE ROW from left: Mrs. Robert Donald Jones, System; Mr. and Mrs. Boyd McClure, Logan; and Mrs. Murphy G. Miller, Jr., Kingsport. BOTTOM ROW from left: Mrs. Jerry Waddell, Williamson; and Mr. and Mrs. James L. Fry, Philip Sporn plant.

Lowe-Everett

Mrs. Katherine Ann Lowe was married to G. C. Everett, Jr., in a ceremony performed February 18 in the Second Presbyterian Church of Huntington. Mr. Everett is Huntington division residential and rural sales supervisor.

Goad-Wright

February 11 was the wedding day of Polly Goad and Pfc. Paul Wright, who were married at Alleghany Grayson Methodist parsonage in Sparta, N. C. Mrs. Wright is a T&D clerk in the Fieldale district.

Coin Hoard Explained

Sallie Moore Is Not A Miser — She's A Numismatist

To some, accumulating money denotes a miserly trait, but to Miss Sallie Moore, merchandise bookkeeper in Lynchburg, it's a hobby.

You can take two routes to numismatism, the collecting of coins for their extrinsic value. One way is to get yourself on a coin dealer's mailing list. The dealer lets his customers know what coins are for sale, and buys them to order.

To Miss Moore that method is not only too easy and too expensive, but it has a tendency to take the fun out of coin-collecting.

Her preferred method is to decide which coins she wants for her collection, and then watch for them in ordinary business transactions. Every coin is different from every other in some respect: in denomination, in date, or in mint.

She started her collection some years ago, and has been fortunate in picking up a number of her more notable coins by the "look-'em-over" method. Among these are several farthings, an English coin worth about a quarter of a cent. In years gone by a person could buy a seat at British coronations for a farthing, but

Couch-Stamper

A double ring ceremony performed December 20 in the Lebanon Methodist Church united Esther Couch and Ray Stamper. Mr. Stamper is a coal equipment operator at Clinch River Plant.

Bartram-Musgrave

Mary Anese Bartram became the bride of Robert Stewart Musgrave, Jr., on February 25 in the First Baptist Church of Kenova. Mr. Musgrave is the son of R. S. Musgrave, Huntington division commercial manager.

Williams-Jones

The wedding of Marjorie Estelle Williams and Robert Donald Jones took place in the Boones Chapel Church of the Brethren in Penhook on February 18. Mrs. Jones is a clerk-stenographer in the system transportation department in Roanoke.

Stiles-Fry

Barbara Stiles and James L. Fry were united in marriage March 4 in the Church of Christ in Middleport, Ohio. Mr. Fry is a coal handler at Philip Sporn Plant.

Clayman-Miller

Joan Clayman was married to Murphy G. Miller, Jr., on March 11 at the Reedy Creek Presbyterian Church. Mrs. Miller is a former cashier in Kingsport.

They're Engaged

SHIRLEY J. HURD to Robert F. Steadman, Jr. Miss Hurd is a pre-audit clerk in Kingsport.

PATRICIA SOLOMON to Donald W. Smith. Mr. Smith is the son of J. Bernard Smith, Claytor Plant hydro maintenance man.

BETTY WILLARD to Leo Hayes Robinson. Miss Willard is accounts payable clerk at Smith Mountain Dam.

BIDDIE ELIZABETH WORLEY to George Williamson. Miss Worley is a home service representative in the Pikeville district.

Golden Anniversary



Celebrating their golden wedding anniversary in February were Mr. and Mrs. R. N. Wilkinson of Pearisburg. Mr. Wilkinson retired July 31, 1956 as maintenance foreman at Glen Lyn plant. He started work in November 1926. Mr. and Mrs. Wilkinson have three daughters, two sons, 12 grandchildren and one great-grandchild.

Music Skill Earns Band Honor For Girl

Skilled at playing a clarinet, Deborah Damron has been selected to play in Kentucky's All-State Festival Band. The daughter of Ralph Damron, Pikeville district chief of party, Deborah is a junior at Virgie High School. She will join other top musicians in the state in the festival. She has played the clarinet for four years in her school band. She and her family live at Yeager.



Deborah Damron



New Arrivals



Abingdon

MR. AND MRS. W. H. FERGUSON, JR., a daughter, Sarah Ellen, March 1. Mr. Ferguson is a dealer sales representative.

MR. AND MRS. J. S. ORR, a son, Thomas Baxter, March 4. Mr. Orr is a lineman.

Ashland

MR. AND MRS. HUGH F. EADS, a son, Timothy Irvin. Mrs. Eads is a former cashier.

MR. AND MRS. HUGH WARD, a daughter, Catherine Corine. Mr. Ward is a material clerk.

Beckley

MR. AND MRS. JAMES A. BARKER, a daughter, Anita Jean, February 9. Mr. Barker is a station man.

Bluefield

MR. AND MRS. REESE T. BOWEN, JR., a son, Joseph Donald, February 21. Mr. Bowen is a lineman.

Charleston

MR. AND MRS. JAMES A. COOK, a daughter, Deidera Kay, March 6. Mr. Cook is a lineman.

MR. AND MRS. O. E. HAMMON, JR., a daughter, Lisa Marie, February 27. Mr. Hammon is a groundman.

Clinch River Plant

MR. AND MRS. J. HAROLD JESSEE, a son, John Daniel, March 1. Mr. Jessee is a utility operator.

Glen Lyn Plant

MR. AND MRS. CHARLES B. KING, JR., a daughter, February 20. Mr. King is a clerk-typist.

MR. AND MRS. EARL C. THORNTON, a son, March 1. Mr. Thornton is a utility man.

Kanawha River Plant

MR. AND MRS. WOODROW McCLUNG, a son, Kevin Andrew, February 26. Mr. McClung is a maintenance helper.

Roanoke

MR. AND MRS. R. G. AMOS, JR., a son, David Ray, February 19. Mr. Amos is a groundman.

MR. AND MRS. D. N. SINK, a son, Mark Sheldon, March 20. Mr. Sink is a lineman.

Philip Sporn Plant

MR. AND MRS. IVAN D. MILLER, a daughter, Amanda Jane, February 25. Mr. Miller is a maintenance man.

System

MR. AND MRS. C. G. CALDWELL, a son, Floyd Harlan, March 18. Mr. Caldwell is a machine operator.

MR. AND MRS. G. S. NEASE, JR., a son, Brian Stuart, March 4. Mr. Nease is an electrical engineer.

MR. AND MRS. J. D. SAUNDERS, a daughter, Twila Lynn, March 16. Mr. Saunders is an invoice receipt clerk.

Williamson

MR. AND MRS. DON HONAKER, a daughter, Kathy Jane, February 23. Mrs. Honaker is a former clerk-stenographer.



Miss Sallie Moore looks over a new addition to her collection of coins. Age, rarity, and denomination are the factors to consider in selecting coins.

high prices have just about wiped out the farthing's usefulness. The British government is now calling in the farthing, and ultimately those the government misses will add certain value to coin collections. Among American coins, Miss Moore has several rarities, including the half-dime and the three cent piece. Mere age doesn't make a coin valuable. In Miss Moore's collection there is one coin, quite new, that stands out: an Alaskan gold dollar. When Alaska became the 50th state, they minted several thousand gold dollars to commemorate the event. Since no more will be minted, it's safe to assume that this coin too will increase in value far beyond its counter value of one hundred cents.



Trophies for bowling excellence recently went to Nancy Rayfield of Kingsport, left, and to B. C. Connelly and Jean Harbour of Huntington.

Skilled Kingsport, Huntington Bowlers Earn Trophies For Their Achievements

Trophies for achievements in bowling have been presented to kegglers from Kingsport and Huntington. Honored were Nancy Rayfield, wife of J. G. Rayfield, Kingsport head T&D clerk, and Jean Harbour, clerk-stenographer, and B. C. Connelly, engineering aide, of Huntington. Nancy was winner of the all-events trophy in Kingsport's Women's International Bowling Congress City Tournament. She won singles with 193 actual pin average for three games, came in second in the doubles, and averaged 168 in the nine games rolled in the three events. Later Nancy entered the WIBC state tournament at Chattanooga, win-

ning third place with a 186 average. She is carrying a 159 average in the Women's Classic Traveling League. The Huntington trophies came from a bowling alley. Miss Harbour earned hers, and membership in the "200" Club, when she spilled 210 pins in a recent game. Mr. Connelly qualified for the "250" Club when he scored 251 in a league game. Both are in the APCo Kilowatt League. The two also entered the Huntington Publishing Company's Scotch Doubles Tournament, scheduled for the end of March. Their sponsor is another employee, Eugene Davis, who owns the Sherwood Drive-In Restaurant in Milton.

Bluefield Finds Beckley Bowlers Hard To Defeat

At home or away, Beckley bowlers are hard to beat. Bluefield kegglers will attest to this. The two district offices just completed a home and away series, with Beckley winning both, the first by a 193-pin margin and the second by 71 pins. Each team used ten men and five women. In the first match, in Bluefield, W. C. McMahan of Beckley had high set of 587 and Eddie Berginnis, also of Beckley, high game of 226. For the girls, Beckley's Jennie Gaziano had high game of 183 and Thealia Belcher of Bluefield rolled high series of 421. In the Beckley home match, Berginnis again showed the way, rolling high game of 228 and high set of 571. For the girls, Polly Gatewood of Bluefield had high game of 158 and Emma Jean Wilson of Beckley had high set of 424.

Flight Champ



Golfers recognize no season. The Pulaski Country Club is a good example—the club just finished its Club Handicap Tournament. Here, Robert D. Carson, right, receives a trophy from W. L. Tate, vice president of the club, for winning the fourth flight championship.

Bluefield . . .

(Cont. from Page 4)

Mrs. Earl Hager, wife of the system transmission foreman and treasurer of the Greenacre Garden Club, was that organization's delegate to the West Virginia State Garden Club Convention held March 20-22 at the Greenbrier Hotel.

Welch

Fred Adams, line inspector, has been elected eminent commander of Welch Commandery 27, Knights Templar . . . Richard, son of R. H. Ruff, division power sales engineer, was a member of West Virginia University's Pershing Rifles Drill Team which won first place in the St. Patrick's Day parade in Pittsburgh . . . Mrs. Claude Bell, wife of the system station maintenance man, was elected vice president of the West Graham Community Club . . . Twenty-five years of marriage were celebrated by Mr. and Mrs. Claud K. Kirkland March 1. He is district manager.

Clinch River Plant

Congratulations to these sons and daughters of employees, chosen for superlatives at their schools . . . Larry, son of James A. Massie, "senior most likely to succeed"; Drannon, son of Eli D. Buskirk, "most intellectual" among seniors; Janie, daughter of Lon R. Brewer, "most popular girl" in senior class; Ronnie, son of W. Henry Brown, "junior most likely to succeed"; Michael, son of Norman E. Bass, "most intellectual" junior . . . Welcome to Robert L. Mitchell, new laborer, and to Thomas D. Watson, test engineer, who has returned after a military leave of absence.



Pleased with their title of second third champs in the Roanoke Bowling League, these are the members of the Service team. In front from left are T. W. Abshire and J. R. Hubbard. In back from left are M. L. Waggoner, W. S. Shanks and R. E. Leftwich.

Service, With A Smile And Accuracy, Rolls To Roanoke Third-Season Title

Service surged to the top to take the title for the second third of the Roanoke Bowling League. Coordinators won the first third, and after four weeks in the final third, Meter leads the way with a 10-2 record. A 22½-10½ record enabled Service to beat out Processing by 1½ games. Coordinators was third. In the sweepstakes, 54 bowlers tried their skill, with J. R. Hubbard rolling a top score of 617. M. G.

Covey was second with 612 and G. M. Adkins finished third with 599. Adkins leads the league with a 169 average, and O. A. Hawkins has top set for the season of 599. J. W. Whitenack's game of 263 is high. For teams, Operations has high set of 2,633 and Accounting high game of 924.

Head Man



"Outstanding" was the way Clinton N. Robinson's performance as interlocutor of the Lions Club—Business & Professional Women's Club minstrel was described. Here, the Pulaski heating and builder sales representative, chats with Ann Rutherford, tap dancer. Clinton has worked with the minstrel for 10 years, but this was his first as head man. Other employees and their relatives working with the minstrel included Mr. and Mrs. G. K. Smythers, R. J. Blair and Cathy Sheets, daughter of R. E. Sheets.

Bragg's Team Cops LL's First Title

He's the father of two girls and his team was sponsored by the Madison Jr. Woman's Club. But his team was made up of boys who could play basketball and Ralph Bragg has just coached them to the Little League championship.

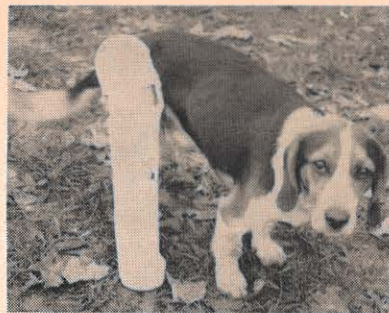


Mr. Bragg

The Madison area meter serviceman in the Logan district decided on working with the team as a hobby, and it paid off as his boys took the newly organized Madison league's first title. Ralph has been an employee since 1946 and moved to his present position in 1953. His wife, Elizabeth, is a former employee, and his daughters are Laura and Mary Ann.

Sports World Happenings . . .

Hunting, bowling, basketball and golf events involved employees recently. Their stories are told in the following sporting briefs. In Roanoke, T. D. Carroll, system relay engineer, scored the first ace of his golfing career, inspiring him to a 72-shot round. The shot came at the Hidden Valley Country Club, where Mr. Carroll was playing with three others, on the par 3, 125-yard seventh hole. He used a 7 iron. Hunting in reverse is the story for awhile at least for one of D. F. Gravelly's beagles (see picture). The Fieldale T&D clerk's dog was more intent on the race than on traffic and ran into misfortune on a highway. He's recovering, will be back with the pack again soon. Two employees' sons at Clinch River plant excelled in basketball this season. Carl Richards, Jr., was named forward and Luther Trail, son of James Trail, was named guard on the All-Star Russell County Tournament squad. Robert Porterfield, son of M. C. Porterfield, Logan district manager, was a mainstay on the Catholic Youth Organization basketball team that won the Logan County Church League regular season, went on to win the post-season tournament. The team finished with a 16-2 record. Also in Logan, Connie Davis, sister of Mary Elizabeth Davis, managerial, was a member of the team that won the Logan Women's Bowling Association championship. Huntington has an answer for the Point Pleasant hunters who bagged, and splintered, some decoy ducks recently. The incident of the "unpalatable" ducks was reported in the March issue of THE ILLUMINATOR. If the "ducks" were two mallard and one pin tail, if they were tied



"See me? There's a lesson for everyone here," this beagle, property of Fieldale's D. F. Gravelly, seems to say. Intent on game crossing a highway, the pup didn't see the car until too late.

together with a fly line and if they were in the vicinity of Salt Creek, chances are they belonged to Homer Bunn, Huntington district right of way agent. During January Homer set out three such decoys and the next day he returned, hoping to find an eatable variety of ducks, only to discover his decoys, splintered. Even so, Homer isn't mad. He remembers two years ago, when six of his decoys were fired on by hunters, injuring a companion and badly disfiguring his decoys. The grandson of Opie Jackson, Huntington meter serviceman, has been making his sports mark at Riverside Military Academy in Hollywood, Fla. Phil Jackson, a standout athlete at Huntington's Vinson High School, was named to the All Mid-South football squad this year and later paced his team in scoring in basketball. The 18-year-old will soon transfer to his school's Gainesville, Ga. branch, and then will enter enter college. He already has received several football and basketball scholarship offers.

Booth Features Smith Mountain



The Smith Mountain project highlighted Appalachian's booth at the second annual Jaycee Boat and Sports Show in Roanoke in March. Over 7,500 people saw the show and booth. Members of the Appalachian Rod and Reel Club in Roanoke manned the booth. Here, one of the members, Bill Henley, system engineering draftsman, left, talks about the display with Bob Yobaggy, assistant advertising supervisor, who was general chairman of the show for the Jaycees. Also on the show committee were Dick Lovegrove, editor, who was publicity chairman, and Bob Kilgore, district electrical engineer, who was manpower sub-chairman.



Mavis and Charles Weaver pose proudly in their all-electric kitchen in the all-electric home they just built.

Mavis And Charles Weaver, Expecting First Child, Build All-Electric Home

Mavis and Charles Weaver are providing the best possible home living for the child they are expecting in a few months. The two have just completed their own all-electric home.

Mavis, who just resigned as Point Pleasant PBX operator, and Charles

did most of the house building themselves, starting a year and three months ago. Mavis' father and brother provided help in block laying.

Ceiling cable provides the electric heat for the house, which has three bedrooms, a combination kitchen and dining area, living room, bath, full-size basement, large patio and double garage. Every night after work Mavis donned overalls and helped in shingling the roof, nailing sheeting and laying floor. She also did all of the inside painting.

Company Equipment, Training Aid Man In Trouble

If it hadn't been for company equipment and company first aid training, one customer might have been in a bad way.

It happened at Point Pleasant, in front of the Appalachian office. A panel truck, driven by the customer, caught fire, and the driver was attempting to put it out. L. C. Bias, local office manager, ran out with a fire extinguisher and did the job, and then Vonda L. Barnette, general clerk in the accounting department administered first aid to the customer, who had burned his hand in his efforts to put the fire out.

Patterson Named VP And Claytor Returns To His Retirement

Graham Claytor, retired executive vice president of the American Electric Power Service Corporation who has been carrying out temporary duties in the New York office for the past eight months, returned to retirement effective March 31.

Last summer, when the serious nature of Harold Turner's illness became evident, President Philip Sporn asked Mr. Claytor to pick up Mr. Turner's duties. This he continued to do following Mr. Turner's death on October 24. Mr. Turner was executive vice president for operating and commercial activities of the Service Corporation.

Mr. Claytor's return to retirement followed the recent election of George V. Patterson as vice president of the Service Corporation.

Mr. Patterson, formerly assistant general manager of Ohio Power Company, was named late last year to the new position of assistant to the executive vice president of the Service Corporation. He was transferred to New York following 25 years of service with Ohio Power. He had been Ohio Power assistant general manager since 1954 and prior to that had served as assistant manager of the commercial and industrial department.

Mr. Claytor, who is also a director and member of the Executive Committee of the American Electric Power Company, has been with the AEP System since joining a predecessor company of Appalachian Power Company in Roanoke in 1907.

Dublin Firm Breeds Rats For Research

In hospitals and research laboratories all over the country dedicated men and women are working and studying to find methods of fighting cancer. Among the test tubes and microscopes they use, there is still another, invaluable ally: white mice. Without these animals for experimental purposes, cancer research—indeed, any medical research—would be seriously crippled. It is estimated that somewhere between 25- and 30-million white mice are used each year in research.

Where do they come from?

One source is Dublin Laboratory Animals in the Pulaski district, started two years ago by two Dublin men, and accredited by the U. S. Government to supply research specimens. The first part of the operation, dealing with mice, was about a year old before the animals met the strict cleanliness — "parasite-free"—standards set by the government.

3,000 Mice a Week

Once that was accomplished, the two men, Dr. Lewis N. Springer and Steve Shelton, began producing about 3,000 mice a week for sale to pharmaceutical research houses, medical college, clinic and hospital laboratories.

Shortly after the first of the year the owners began a rat-breeding operation that will produce 7,000 specimens a week for the same purpose.

This new operation is situated in a concrete block building, 64 feet by 74, especially designed for sterility control. The breed cages are in a section closed to the public. It is divided into two parts, with a clean corridor between the breeding rooms, and a "dirty" corridor on the outside where used cages and equipment can be removed without contaminating the sterile portion of the building. The nine employees who work in this section pass through an intensive decontamination process: they leave their outside clothes in a locker room, pass through a shower, dress in sterile clothes, including caps and masks, before going into the operating room, breeding rooms, feeding rooms or clean corridor. As further



It's feeding time at Dublin Laboratory Animals. An attendant in the breeding room holds one of the white mice the company breeds and sells to research organizations. A high degree of non-contamination is maintained here: note the mask.

safeguards, temperature is kept at 72 degrees, humidity at 50 per cent, and no air is recirculated in the area.

Employees' main duties consist of cleaning the cages, feeding the animals, keeping records, and preparing the specimens for shipment. The cages and equipment are put into the dirty corridor, emptied outside the building with a vacuum, passed through a dishwasher with water heated to 200 degrees, and with a detergent sterilizing agent, before they are considered clean enough.

Pathogen-Free

"Specific pathogen-free" is the key phrase in this work. It means that the specimens are bred and live under conditions so carefully controlled that no disease can enter their systems. A pathogen-free colony is fairly difficult to maintain, even when these conditions have been established. But to get one started, like everything else, requires patience and extreme care. First, "pure" breeders are acquired from other institutions, and bred. When the third litter is ready to be born, they are taken by Caesarean section, and foster fed by rats bred by Lobund Institute of the University of Notre Dame. The Lobund rats are the purest-bred strains in the nation, and represent nearly a quarter of a century's work in germ-free life

research at Notre Dame. Through the Caesarean sections, and the foster feeding, the clean-breeding stock is produced, and from then, the young are born and raised by natural process.

With customers located all over the eastern half of the United States, delivery of specimens would normally present some serious problems. They are largely overcome by the company's practice of delivering as many as possible in its private plane.

The company's building is equipped with a number of electrical aids, including five 5-ton air conditioning units, a 2-kw autoclave to sterilize equipment and clothing, a dishwasher, washer and dryer, and vacuum cleaner.

These rats and mice go out from this sheltered birthplace to play an important role in medicine today. It's not inconceivable that the long-awaited cancer cure will be tested on these very animals.

Two Communities Praise Citizenship, Aid Of Appalachian

Letters of appreciation for employees' and the company's efforts in assisting Abingdon, Va., and Madison, W. Va. during recent events have come to two district managers.

Fillmore McPherson, Jr., Abingdon district manager, received a letter from H. T. Propst, Jr., president of the Trade Council of Washington County, and M. C. Porterfield, Logan district manager, received one from H. G. Shaffer, Jr., mayor of the City of Madison.

Mr. Shaffer's letter read: "I hasten to extend to you and the employees of Appalachian our sincere and grateful thanks for the splendid job you did in assisting the volunteer firemen in combating the (recent) blaze on Main Street. I personally witnessed the efforts of Ralph Bragg, Hursten Swiney, Corbett Brumfield, Don Coffey and Richard Atkins.

"The assistance given by these men was most courageous and valuable, and without their assistance, this serious conflagration might have become a major disaster. It is comforting to know that the men of Appalachian are so willing to assist in time of need. Please accept our grateful thanks for the splendid work of these men."

Mr. Propst's letter, in praising Appalachian for assisting Abingdon during the Christmas season last year and in years past, said in part: "The initials of your estimable firm, APC, might well be interpreted to mean 'Always Pleased to Cooperate,' for if there has been any recent worthwhile community undertaking in which you have failed to supply needed manpower, guidance or financial assistance, then I am unaware of it."

Station Jump Leaves Cat With Eight Lives

Somewhere in Chattaroy, W. Va. there's a cat with only eight lives left.

He probably lost one at the Howard Collieries station in the Williamson district, when he jumped from a tower footer to the top of a 46-kv transformer and contacted the high voltage bushing terminal.

A customer nearby reported hearing a loud noise, and seeing the cat fall to the ground and crawl out of the station yard, dragging his hind legs behind him.

They've looked, but nobody has seen the cat from that day to this.

Appalachian's First

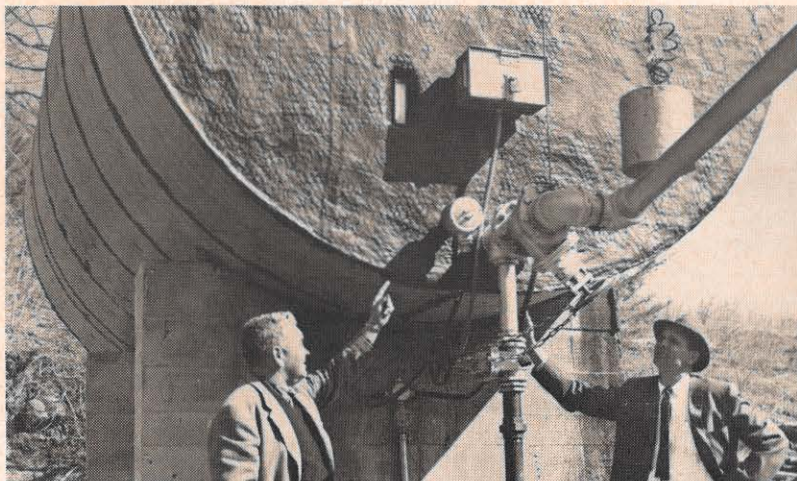
Asphalt Plant Converted To Electric Heat

Another first for Appalachian in the use of electric heat was recorded in Roanoke when the S. R. Draper Paving Company began operating the first electrically heated asphalt plant in our two-state territory.

The installation of 48.7 kilowatts of product heating equipment in March culminated 13 months of co-operation between Mr. Draper, representatives of the Roanoke division commercial department, notably H. M. Smythers, commercial sales engineer, and electrical contractors. The system replaces a fuel-fired steam heating system.

With the exception of one burner used to heat crushed stone, this is a total electric industry with many modern operating devices. Actually, the entire plant is a push-button operation, requiring one man's services. The electric heat, in addition to a one-ton heat pump in the office, is used in the 10,000-gallon asphalt tank, in the 10,000 gallon oil tank, on the mixing mill, and on pumps and pipes.

The asphalt tank heaters are interesting installations—they are four 7.5 kilowatt tubular heaters extending 16 feet into the 17-foot tank. There is a critical temperature over which asphalt must not be heated because it



S. R. Draper (left), points out one of the 5-kilowatt tubular electric heaters used in the 10,000 gallon volatile mix tank, to H. M. Smythers, Roanoke division commercial sales engineer. Thermostats are contained in the metal, water-tight box mounted to the right of the thermometer. Electric wire connections make it economically feasible to locate this tank away from the main plant for safety.

will char, called the char-point. Electric heat is particularly adaptable for this operation since it can be so closely controlled.

Mr. Draper operates his plant the year around. He has installed such devices as an automatic dump trip, which he and Wilford Spangler, an employee, designed, and an unique stone-handling arrangement. This

consists of an elevated dump ramp which makes it possible to dump the stone coming in from the quarry, on adjacent property, into the storage bin, making it necessary to handle the stone only once. From there the push-button, electrically-powered, plant takes over. He also utilizes radio dispatched vehicles for customer convenience.