Vol. XV, No. 1

-Thoreau

The Illuminator

OF THE AMERICAN ELECTRIC POWER SYSTEM

KENTUCKY POWER COMPANY

APPALACHIAN POWER COMPANY

KINGSPORT UTILITIES, INC.

October 1963

"Lost time is never found

again."

October 25 Is Deadline For Registration In AEP Awards Competition

Deadline for registration for the 1964 American Electric Power System Education Awards is October 25.

The System awards are even more worthwhile this year, having been increased recently to \$750 from the former \$600 level. In addition, the number of awards to be granted has been increased from 14 to 15.

The competition for the awards is open to any AEP System employe's son or daughter who plans to enter the freshman year of college in 1964. Each contestant must take the Standard College Entrance Board Scholastic Aptitude Test. It will be given at key locations throughout the System on Saturday, December 7.

All company personnel supervisors have complete information and forms for the contest, and either you or your child may obtain them. But remember, the completed paperwork must be returned to your personnel supervisor by October 25.

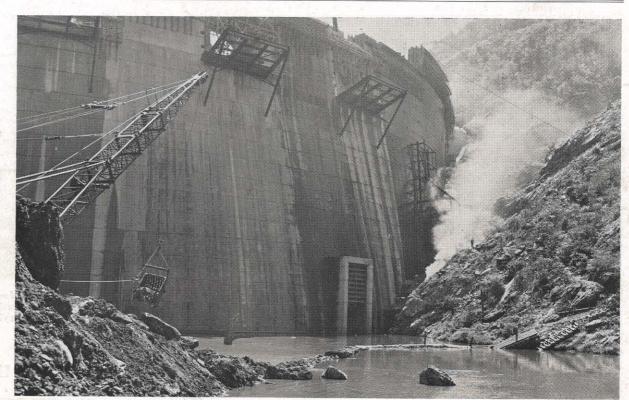
The examinations will be administered and scored by the agency which prepared them, the Educational Testing Service of Princeton, N. J. An impartial and prominent educator will judge the completed exams. Winners will be

selected on: (a) the test scores; (b) the school records furnished by the applicant's high school principal; and (c) other personal information provided by the applicant.

The company will pay the cost of the examination, but contestants must pay their own travel expenses, if any. An applicant may take the test in another state if that location is nearer or more convenient to his home.

Winners of this ninth annual awards program will be announced about February 1, 1964. Once a winner has enrolled in college, his \$750 award will be deposited with the college treasurer for use in paying charges for tuition, room, board, books or lab fees.

This year, the following locations have been selected as test centers for the children of employes of this company:



The upstream face of the Smith Mountain Dam was a busy place in the last few days before closure was made. A crane, left, dragged out the remains of the coffer dam, and workmen burned off trash and rubble that had accumulated around the structure during the long months of construction. The door at the water level in the center of the photograph is the entrance to the diversion tube, the horizontal-barred part of it is the gate that was lowered into place.

Test Centers

Kentucky — Ashland, Harlan and Hindman.

Ohio — Athens and Portsmouth.

Tennessee — Bristol

Virginia

— Altavista, Amherst, Bassett, Blacksburg, Chatham, Danville, Grundy, Lynchburg, Marion, Martinsville, Natural Bridge, Radford, Roanoke, Rocky Mount, Salem, Stuart, Wise, Wytheville.

West Virginia — Beckley, Bluefield, Charleston, Huntington, Parkersburg and Williamson.

TV Sets Awarded To Three After Heating Campaign

The electric heat prospect campaign waged by employees of the three companies since May has ended on a successful note. The final tabulation shows that employees turned in 1,265 prospects, and of this number 407, or about 30 per cent, were turned into actual sales before the campaign closed September 1.

A prize drawing was held shortly after the deadline. Jim Nichols,

Pulaski district meter serviceman, won the color television set, and Farrest "Trooper" Bevins, Pikeville district serviceman, and C. M. Carter, Kingsport right-of-way agent, won black-and-white portables. For Mr. Nichols the prize was made doubly enjoyable because it came in time for his son, partially paralyzed after a hunting accident last year, to watch the World Series.

(Continued on Page 3)

Just in time for the World Series: Pulaski district manager A. F. Horne, right, congratulates Jim Nichols on his luck in winning a color television set in the recent electric heat prospect campaign.

Smith Mountain Dam Closed; Lake Is Filling To Permit Project's Full Operation In 1965

The 20,000-acre Smith Mountain Lake began to fill shortly after noon Friday, September 20.

Roanoke River, coursing through the gap, banged into a 28-ton steel door that was lowered across the mouth of a diversion tube, and immediately began to back up. In the first three days after final closure was made, the water level rose 13 feet. However, this rate has already slowed considerably, because the water now must spread into the broad lake area instead of the narrow Smith Mountain Gap, and fill all of the numberless fingers and inlets of the lake. The entire lake will be filled to maximum pool at elevation 795 in about 18 months with normal rainfall. At operating level the lake will be 195 feet deep at the dam.

Countdown

The actual closure of the diversion tube, which had previously permitted river flow, was preceded by a countdown nearly as complex as Cape Canaveral's.

First, intake gates were put in place for the two units located near the base of the dam structure. A diver was brought in for underwater inspection of this and other parts of the closure. The river diversion piling-cells upstream from the dam were taken out along with a temporary wooden trash boom. All grouting work around the top of Unit 1's intake tube was completed and checked.

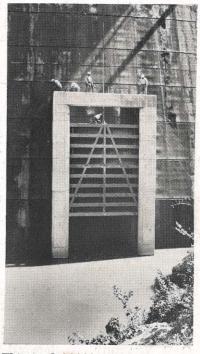
Diver At Work

And then, almost in a routine fashion, the huge hollow-steel gate was lowered into place. The diver during this operation was checking the gate guides and seating beams, removing any obstructions, and making sure the gate was sealing properly. This done, the diver then performed the same duties as the bulkheads in the Unit 3 draft tubes were lowered into place. The dam at this point ceased to be a concrete structure and became in fact a dam, holding back water. In the days following the closure,

Unit 3 draft tube was pumped dry, the old diversion tube was removed, and its opening was pumped full of concrete.

About 145,000 cubic yards of concrete have been placed in the dam, or about 80 per cent of the amount required. One block of the structure has already reached full height.

While construction work continues, installation of generating equipment has kept pace. Work on all four generating units is in various stages of completion. Lees-ville Dam, smaller of two dams in the \$55-million project, was completed earlier this year. The entire project will be in full operation in 1965, with a generating capacity of 440,000-kw.



This is the moment everyone was waiting for. The huge 28-ton hollow steel gate is being lowered carefully into place over the Smith Mountain Dam's diversion tube. Moments after this picture was made it was seated into position, blocking the water flow; and the river began to crawl up the face of the dam.

Drilling, Mapping Work Ends At Blue Ridge Project Sites

Two phases of work have been completed by Appalachian Power Company in preliminary studies for its proposed two-dam Blue Ridge Pumped Storage and Hydroelectric Project on New River in Grayson County, Virginia.

Core drillings, under way for many months, are now completed. These core drillings were necessary to permit the company to carry out studies determining the locations of the two dams. Base mapping of the project is also completed.

Company officials also announced that Appalachian has established a field office for the development. It is on U. S. 58-221 about 5 miles east of Independence, on land formerly known as the Galyean property, near where Rock Creek flows into New River.

The office is serving as head-

quarters for members of the real estate and right-of-way department who are involved in land acquisition. It is also the base of operations for members of Appalachian's engineering department who are making the studies of the various sites.

In addition to the geological studies and mapping, Appalachian is continuing its surveying, and is studying possible designs for the two dams.

Appalachian applied for a preliminary permit for the two-dam project in June, 1962, and the Federal Power Commission issued the preliminary permit on March 11, 1963. The preliminary permit gives the company the right of priority to apply for a construction license and protects the company during its engineering and other studies.

Progress Report On Electric Heat

Three years ago an employee information program entitled "A Job For All Of Us" was presented.

Many of you will recall that in this program it was pointed out that electric heating represents what might be called our last frontier for real growth in the home market; and that the growth and future of our companies—as well as of all of us—was largely dependent on how effectively we opened up this market. It was a job for all of us.

Just last month an intensive fourmonth electric heat prospecting campaign came to an end. Employees turned in 1,265 prospects, and of that number 407 sales were made through Reddy Kilowatt Recommended Heating-Cooling Dealers in our area. These 407 sales, bringing the total number of electrically heated homes on the lines of our three companies to more than 14,300, represent a substantial revenue and they certainly make our companies stronger.

Strong companies have strong futures, and so do the people who work for them.

Money From Your Pocket

Recently we came across an excellent suggestion that was credited to Howard Preston, a columnist for the Cleveland Plain Dealer. He put forward the idea that when people write or talk about government spending, they use the phrase "taypayers' money" rather than "government funds."

It is unfortunate that there is a need to emphasize this distinction. But the truth is that many people seemingly don't relate government money to the money that is taken from them through taxation. Consciously or not, they assume that governments have some other unknown means of obtaining funds.

A government doesn't earn money and it doesn't create wealth. These are not its jobs. A government can spend only what it gets from the people—and this includes the as-yet-unborn taxpayers who will be paying the bills of the past for years to come.

So don't just think of government funds. Think of taxpayers' money—your money.

The Illuminator

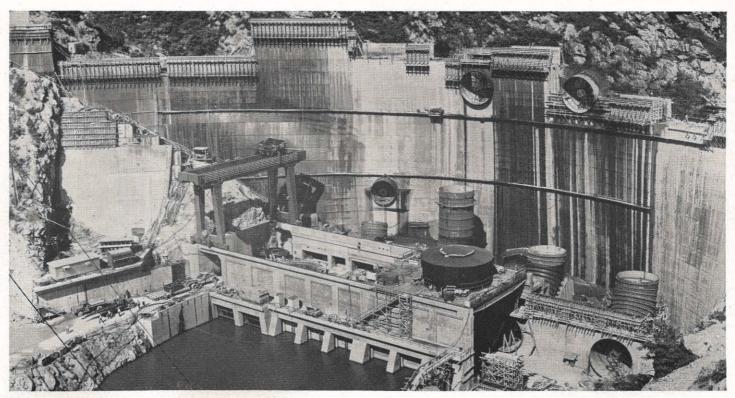
Published monthly for employees of Appalachian Power Company, Kentucky Power Company and Kingsport Utilities, Inc., and their families. Articles herein may be reproduced.

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While the Roanoke River is backing up above the Smith Mountain Dam, work is going ahead on the installation of generating equipment in the dam itself. Work on all four units is in varying

stages of completion while, above it, about 80 per cent of all concrete in the dam has been poured.

Three AEP Plants Among Ten Most Efficient In U.S.

Leadership in steam-electric power generating efficiency is a way of life on the American Electric Power System.

Today, the AEP System operates 14 major steam stations. Seven of the fourteen plus the two AEP-designed plants of the Ohio Valley Electric Corporation rank among the top 27 of the nation's most efficient plants—that is, one out of every three.

No other electric utility system in the United States including the Tennessee Valley Authority has more than two steam plants in this group.

These facts are contained in the results of a survey recently completed by the AEP Service Corporation's Statistical Division, listing 38 U. S. plants which operated during calendar year 1962 at heat rates below 9,500 BTU's per kilowatthour of net generation

The survey showed that six plants operated during 1962 at heat rates below 9,000 BTU's per KWH and two of the six which bettered this significant efficiency level were AEP System plants. These were Indiana & Michigan Electric Company's Breed Plant, with a heat rate of 8,842 BTU's second, and Appalachian Power Company's Clinch River Plant, with a heat rate of 8,982 BTU's, fifth

It was not until 1960, when Clinch River operated at 8,975 BTU's to lead the nation, that any plant had ever surpassed the 9,000-BTU barrier.

The nation's most efficient plant in 1962, according to the survey, was the Eddystone Plant of Philadelphia Electric Company, with a record heat rate of 8,588 BTU's. It was only the fourth time in the past 13 years that an AEP-designed plant had not achieved the top position. At no time during the 13-year period has AEP's "best" plant ever placed lower than second.

AEP-OVEC Rank

Listed below are the 1962 heat rates of the AEP and OVEC stations and their rank among the country's generation leaders—

Rank	Plant	Company	BTU's/KWH
2.	Breed	Indiana & Michigan Electric Company	8,842
5.	Clinch River	Appalachian Power Company	8,982
10.	Kanawha River	Appalachian Power Company	9,082
14.	Philip Sporn	Appalachian and Ohio Power Companies	9,186
16.	Clifty Creek	Indiana-Kentucky Electric-OVEC	9,188
21.	Tanners Creek	Indiana & Michigan Electric Company	9,271
23.	Muskingum River	Ohio Power Company	9,283
26.	Kyger Čreek	Ohio Valley Electric Corporation	9,310
27.	Kammer	Ohio Power Company and ORMET	9,312

news events in brief

ASHLAND—A TVA news release reported that it paid the State of Kentucky \$1,044,697 for fiscal 1962-63 in lieu of property taxes. This was reported to be the first time TVA had paid Kentucky more than \$1-million.

ASHLAND—The Louisville Courier-Journal in a news story reported that the Federal government last year pumped more than \$200-million into the depressed counties of Eastern Kentucky. This was reported to be about the same amount as was contributed to the Social Progress Trust Fund for Economic Development in Latin America.

The article said government officials reported neither investment produced dramatic changes.

WELCH—The development of the Beatrice Pocahontas Coal Company mine at Oakwood, near Grundy, is about three months behind schedule. The first coal to be removed from the ultra-modern operation will be taken out in November for processing at Island Creek's Keen Mountain cleaning plant. Full-scale operations at Oakwood will probably begin in February.

ROANOKE—The federal Urban Renewal Administration has made a grant of \$32,000 to the Smith Mountain-Leesville Reservoirs Regional Planning and Economic Development Commission. The funds, along with \$16,000 in local money, will be used to prepare a comprehensive development plan for the two-lake areas

ROANOKE—The Norfolk and Western Railway has won the National Safety Council 1962 safety competition among the nation's railroads. Its performance was 4.69 injuries per million man-hours worked. The railroad has now won the national award six times.

CHARLESTON—The West Virginia State Chamber of Commerce at its annual meeting has vigorously endorsed a proposed \$200-million bond issue for road construction in the state, and also gave approval to the promotion of industrial development and tourist attraction.

KINGSPORT—Unions striking Kingsport Press have filed unfair labor practice charges with the National Labor Relations Board against the company. They allege that the Kingsport Press has unlawfully solicited employees to abandon the unions by denying them earned vacation benefits.

ROANOKE—Final approval to a new electric rate structure has been given by the Salem Town Council. The new rates will be generally the same as Appalachian's, and will result in a reduction in revenue to the town of \$20,000 to \$25,000 the first year.

Employee Trip To Europe Projected

The American Electric Power Service Corporation has announced that it will make arrangements for a chartered, round-trip flight to Europe next summer for AEP System employees and their immediate families if enough persons wish to make the trip.

Plans now call for a non-stop jet flight from New York to either Paris or Brussels on a scheduled airline—probably Air France or Sabena World Airlines—for a round trip fare of under \$250 per person. As presently planned, the flight would leave New York on Saturday, June 27 and return three weeks later on July 19.

To keep the fare per person as low as possible, seating arrangements on the plane would be minimal and the equivalent of economy class—three persons seated abreast on each side of the center aisle. However, first-class food and refreshments will be provided. Tickets for the flight will be sold on a first-come, first-served basis.

If enough travelers wish it, and depending on what they would most like to see in Europe, a group tour will be arranged by American Express Company of major cities and points of interest. Individuals, of course, may arrange other tours or travel independently.

If you'd like to make the trip—and can arrange with your supervisor to be away from your job at that time—fill out the

coupon on this page and send it along. That way, you'll help give the Service Corporation an indication of the interest in this flight and an idea of the places in Europe most people would like to see.

CHARTER FLIGHT

I'd like to hear more about the charter flight to Europe:

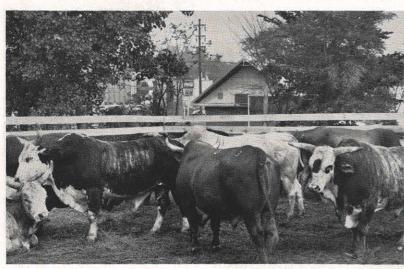
Here are the countries I'd like to see:

England_____ Germany_____
France____ Italy____
Other____

I would like to take____other members of my immediate family.

Mail this coupon to your personnel supervisor

Ride 'Em, Reddy; Or, What Did You Do Today?



After the Appalachian ranch hands have finished their roundup, this collection of steers, bulls, and longhorns graze peacefully on their reservation near the Huntington Memorial Fieldhouse. The Appalachian men helped build the corral in answer to a hurry-up call from the rodeo management.

Hobbyist Finds

African Violets Have Way Of Commanding Dedication

There is something about African Violets that seems to take hold of people

They grow them, they worry about them, they spend hours and hours tending to their every want, and they even form and join societies for the sweet little things.

Mrs. R. H. Porter of Lynchburg is no exception. The wife of the Lynchburg T&D supervisor, she became interested in the flowers 10 years ago. Today, she keeps many varieties all over her house and belongs to the First African Violet Society of Lynchburg, an affiliate of the African Violet Society of America.

The day of decision came for her

Society of America.

The day of decision came for her a decade ago when she visited a friend's house and saw her violets. After several more visits, she ordered some violets from a grower, and found out what most novice growers soon learn: African Violets can be finicky and delicate. It took several conversations with an experienced grower before she found out all the rules that must be followed to have healthy plants.

Rules

She lists those rules for others who might be interested. First, be sure small plants have a heavy root system and that this system is not broken up. Second, do not overpot the plants. Third, use a loose, porous soil. Fourth, water intelligently and only when the top soil is dry. Fifth, do not overfertilize. Sixth, furnish the plants good, strong light at all times.

Mrs. Porter now has over 50 varieties of the violets of the thousand or so in existence. Her varieties have such colorful names as Kimberlay, Snow Ballet, Lillian Jarrett, Flash, Isle of Dreams, Angel Child, Coon Valley, Smoke Ring, Alabaster, and Command Performance.



A "tree" of African Violets shows off some of the 50 varieties that Mrs. R. H. Porter of Lynchburg

Although she enters her flowers in local shows and exhibits, Mrs. Porter hasn't made it to the national show presented annually by the Society. There, the top flower in the show is chosen as "Queen." The Society also registers new varieties and their names for its members all over the nation.

Mrs. Porter says she would love to fill her house with every variety, and now finds the violets "not very difficult to grow." She has two projects in mind, showing the extent to which she is dedicated to her hobby: she wants a greenhouse where she can control heat and humidity, and she would like a full basement where she can raise plants under controlled fluorescent lights.

Short Illness Fatal To Russell



Mr. Russell

James H. Russell, who had 23 years of company service when he retired in 1956, died in Charleston August 26 after a short illness. He was 72.

Mr. Russell was born in Rome. At 15, he came alone to the United States and lived with an uncle in Durbin, West Virginia. After working at assorted jobs in the lumber, coal, and construction businesses, he joined Appalachian at Cabin Creek in 1929. Later he moved to the Charleston district office. When he retired in 1956 he was head janitor.

He is survived by his widow, four children, and six grandchildren. A son, Raymond, is power coordinator for the AEP system in Columbus, and a daughter, Mary, is a former employee of the Charleston district stores department.

Funeral services were held in Boyd Memorial Church, of which Mr. Russell was a member, and burial took place in Montgomery Memorial Park in London, Everyone who reads these pages with any degree of regularity is aware of the many jobs a line crew may be called on to do, some of which have no connection at all with electric power. Performing first aid at the scene of accident, or retrieving by winch a car that has gone off the road, or hauling down a kite hung in a tree, are almost routine tasks.

But once in a while, according to one of the Huntington line crews, you come across something that, well . . .

One day last month, D. W. Ritchie, acting foreman of the crew, got a radio message that made his crew forget their power company training and turn into cowboys. A lot of bull? Indeed it was, several tons of it, on the hoof, and mean.

A train load of western horses, bulls, longhorn steers, calves, and cowboys was delivered to a siding near Huntington's Memorial Fieldhouse. They were to appear in a rodeo. A corral was to have been built with the aid of the telephone company's auger truck. However the apparatus was out of order, and while the bulls arrived on time, the auger didn't.

A call for help went out to Appalachian, and like the cavalry in a western movie, they rode up just in time to help dig the postholes for the corral fence, and help round up the animals. Appalachian's cowhands mounted up on faithful old line truck, and galloped off into the setting sun.

And, on days like this, says Mr. Ritchie, change the subject when your wife asks you what you did today; she'd never believe you.

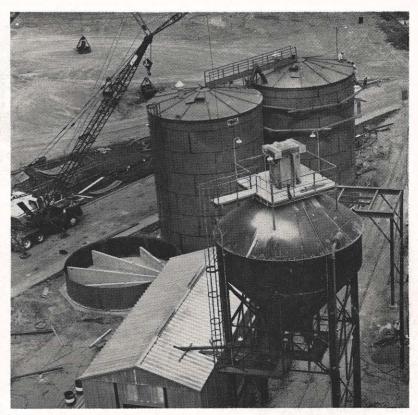
TV Sets Awarded

(Continued from page 1)

For each sale resulting from a prospect turned in, the employee responsible had his name in the drawing. Commercial department employees were not eligible for the drawings.

Joe P. Gills, Appalachian vice president and general manager, said that he was "impressed by the participation of employees displayed in this campaign. It was a marvelous effort." He, F. M. Baker, vice president and general manager of Kentucky, and J. E. Wright, vice president and general manager of Kingsport, expressed their appreciation to all employees who turned in prospects.

Hard work was evident in the prospecting. The busiest man in the three companies was Len A. Stone Jr., of Fieldale, who was credited with 16 sales. Other top performances were O. B. Kidd, Pulaski, and George W. Stone Jr., Lynchburg, each with nine; Don Bolner, Ashland; E. D. Cooper, Princeton and K. K. Hubbard, Roanoke, all with eight; and Essie I. Edwards, Roanoke, seven.



Construction of the new facilities to trap, pulverize, and store fly ash is underway at the Kanawha River plant. The two large structures are two of the three 900-ton-capacity silos planned. Foundations for the third are at the left.

Facilities For Fly Ash Reclamation Being Built

A product formerly considered waste will be collected and sold by Appalachian as an additive to concrete mix and as a filler in asphalt for road construction.

At the Kanawha River steamgenerating plant at Glasgow, West Virginia, Appalachian has begun the installation of \$175,000 worth of equipment to trap, pulverize and store fly ash from the plant for ultimate sale to construction companies. Formerly the ash was mixed with water to form a slurry and was pumped into an extensive settling basin.

H. C. Skaggs Jr., manager of the plant, said that it produces about 100,000 tons of fly ash a year, which is captured by mechanical and electrostatic collectors before it enters the stack. Under the old system, the fly ash was then removed by vacuum to a tank to be mixed with water for delivery to the disposal pit. The new system intercepts the fly ash before the water is added for delivery by blower either through a pulverizer or to a storage silo. Skaggs said that three 900-ton and one 150-ton silos will be constructed for storage along with the pumps and pipelines necessary to convey the fly ash. Processed ash can be loaded directly from the silos to river barges, rail-road cars, or trucks.

Skaggs said the construction of the new facilities for fly ash disposal follows a long test period on a smaller scale, during which large quantities of ash were delivered to Appalachian's Smith Mountain Dam Project on the Roanoke River and Kentucky Power Company's Big Sandy steam-generating plant at Louisa, Kentucky. The ash was used in both places in mass concrete work. Addition of the ash improves distribution of cement throughout the mix, with a consequent increase in strength.

The Kanawha River Plant will provide 25,000 tons of fly ash for the new Bellville Lock being constructed by the Corps of Engineers near Parkersburg, West Virginia.

Safety Mark Set By Division

The 108 Charleston division employees, located in the Point Pleasant, Beckley and Charleston offices, completed 500,000 accident-free man-hours on August 30.

The unbroken string began January 1, 1961. Prior to that time, the man-hours of the division employees operating in the three districts were credited to the district in which they worked.

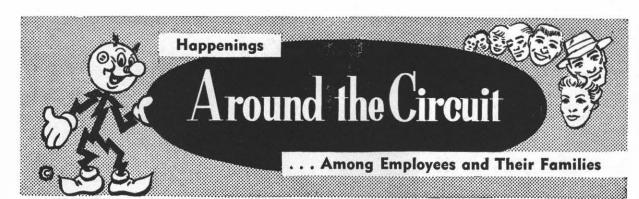
These employees will be recognized in the near future with certificate from the Edison Electric Institute.



Portable television sets were awarded to draw winners from Kingsport Utilities and Kentucky Power. At left, Farrest "Trooper" Bevins accepts the set and congratulations from H. H. Kincaid, Pikeville district manager. Mr. Bevins is serviceman in the Prestonsburg



area. At right, J. E. Wright, vice president and general manager of Kingsport Utilities, and Clarence Carter (left), KU right-of-way agent pose happily with Mr. Carter's prize,





Charleston

Leading the public relations effort for the Kanawha Valley United Fund drive this year is E. L. Munday, Jr., district manager. Other personnel attended meetings: J. C. Hansbarger, division manager, a director of the West Virginia State Chambar of Commerce, attended chamber of Commerce, attended the chamber's annual meeting at White Sulphur Springs; and with C. W. Lovell, assistant division manager, attended the annual meeting there of the Public Utilities Association of the Virginias. Guilford Smith, administrative assistant, represented the Electric League of Charleston of which he is secretary-treasurer, at the meeting of the International Association of Electrical Leagues in Chattanooga
. . . Bob Harper is back at work ... Bob Harper is back at work in T&D engineering after spending two years in the army . . Employees in Montgomery held a farewell party for Mary Hardy, parttime employee, who has left the company . . . Jack Jarrett, mechanical maintenance man at Marmat hydro plant has completed a chanical maintenance man at Marmet hydro plant, has completed a two-year ICS course in blueprint reading... The guest speaker at the monthly safety meeting in the Virginia street office was Jack Lawhorn, son of Myrtle Lawhorn, accounting. He is the former superintendent of the Charleston Park and Recreation Commission, and spoke on the city's recreational and spoke on the city's recreational safety program . . . Congratulations to Mr. and Mrs. E. L. Munday, Jr., on their 25th wedding anniversary.

Sporn Plant

If it weren't for employees' wives in New Haven and Mason, things would be slow. The New Haven Woman's Club has these wives holding committee jobs: Mrs. John Morgan, public affairs chairman; Mrs. Edwin Stein, library chairman, and Mrs. Tom Hoffman, committee member: Mrs. Robert committee member; Mrs. Robert Herndon, devotion chairman; Mrs. Karl Wiles and Mrs. Jesse Abels, both members of the finance and budget committee; Mrs. Mark Ward, press book; Mrs. Paul Scally, chairman of savings stamps and community club room, and Mrs. Kermit Ford, chairman of scholarship loan, and member community club room committee. And many of these same ladies had a big hand in the Centennial Peach Festival: Mrs. Paul Scally was chairman for the luncheon, assisted by Mrs. Edwin Stein and Mrs. Tom Hoffman; Mrs. John Morgan was parade co-chairman, and Mrs. Philip Wolpert was in charge of flower arrangements.

Beckley

Two employees did such a good job in the United Fund campaign last year that they were chosen to repeat their duties this year. W. C. McMahan, district manager, is president of the drive, and John Gates, administrative assistant, is public relations director . . . Second place in the women's division of a Par 3 Golf Tournament was taken by Mrs. Helen Troutman, accounting department stenographer . . . Mrs. David Harman and Miss Jennie Gaziano, both home service representatives, have resigned.

Point Pleasant

Congratulations to Mr. and Mrs. L. C. Bias, who celebrated their 25th wedding anniversary recently. He is local office manager in Point Pleasant . . . L. D. Balding, L. J. Hedrick, R. L. Burnam, Q. H. Wickline, G. E. Roberts, C. R. Street, and C. A. Burdette, have

completed the 14-week Dale Carnegie Course . . . Betty Anne Wolfe, 13, daughter of F. E. Wolfe, collector, has a softball trophy. She was a member of the winning girls' softball team in Point Pleasant this summer . . . J. W. Morrison, truck driver-groundman, and Susan Jones, home service representative, have resigned.

Kanawha River Plant

Elections and appointments this month: Mrs. W. F. Sampson, wife of the results engineer, to president of the Malden PTA; Ronald Morrison, test engineer, to vice president of the East Bank Lions; J. L. Crist, master maintenance man, to co-chairman of the East Bank Elementary School PTA carnival; J. E. Frazier to his second term as president of the Cedar Grove PTA, and R. J. Wagner to president of the East End Elementary School (Oak Hill) PTA. Both are in the coal han-PTA. Both are in the coal handling department . . . Clara Armstrong, time clerk, was a delegate to the General Federation of Womto the General Federation of Wom-en's Clubs Convention. She rep-resented the Upper Kanawha Woman's Club . . . and Steven Farry, son of B. J. Farry of the stores department was a repre-sentative to Boys State, held at Jackson's Mill.

Cabin Creek

Leadership of the Chelyan Lions Club has a decided Appalachian flavor. D. E. Ballard, boiler maintenance mechanic, has been elected president, and S. V. Hastings has been elected a director. Another employee, S. J. Vealey, results maintenance mechanic, was inducted as a new member.



Bluefield

Gail Davidson, clerk-trainee, was the organist at a reception at the home of Congresswoman Elizabeth Kee. This centennial project was called a Founders & Builders Reception to honor members of pioneer Bluefield families . . . Mrs. Thelma Parks, wife of Paul Parks, division Parks, wife of Paul Parks, division commercial general clerk, will be one of the hostesses for the West Virginia Chapter of the National Association of Bank Women to be held at The Greenbrier, White Sulphur Springs, in November... Lois Rounion, division secretarial stenographer, and immediate past president of National Secretaries Association, made a talk on Parlia-Association, made a talk on Parliamentary Procedure at the Second Annual Leadership Clinic of the West Virginia Association held at Blackwater Falls...Bonita Pruett, clerk-typist, came through with three consecutive games of 140 in the Appalachian Bowling League, the Appalachian Bowling League, for which she was awarded a chevron . . . Judy, daughter of Clyde L. Farley, line foreman, a majorette for the Princeton High School Band, won second place in a two-baton twirling contest at Concord College . . . Billie Joe, son of Oscar W. Adams, area supervisor, plays end on the Princeton Jr. High varsity football team and, also, is President of the Junior Class . . . Ed McCloskey, division electrical engineer, and Richard Hudson, lineman, have resigned . . . Welcome to a new employee, Polly Hudson, lineman, have resigned . . . Welcome to a new employee, Polly Gatewood Mitchell, system transmission clerk . . . Lina Light, division private secretary, was elected secretary of the Mercer County Cancer Crusade . . . W. C. Kidd, division line engineer, is chairman of the Board of Deacons at the of the Board of Deacons at the College Avenue Baptist Church... Mrs. C. M. Wagner Jr., wife of the division heating and builder sales

coordinator, is organist for Order of Eastern Star, Bluefield, Virginia . . . Mary Archer Murphy, retired transmission clerk, along with her transmission clerk, along with her brother, Lewis Poff, took part in the recent annual classic car caravan from Harrisburg, Penn-sylvania to Nags Head, North Carolina. They made the 1,500-mile trip in Poff's 1930 Stutz Bear-cat Grady Parker division cat . . Grady Parker, division commerical sales engineer, was elected secretary of the Green Valley-Glenwood Kiwanis Club . . . Mrs. J. M. Fox, wife of the retired photo and reproduction man, won two blue ribbons at the West Virginia State Fair at Lewisburg. Mrs. Fox had entered four categories and won ribbons for her decorated cake and biscuits . . . Glenn H. Reynolds, division electrical engi-Glenn H. neer, is a Captain in the 130th Air Commando Group of the West Virginia Air National Guard.

E. E. (Buck) Fanning, Bluefield District Customer Service Representative, has just been re-elected to the office of High Priest of the W. G. Bottimore Royal Arch Masonic Chapter No. 28 of Blue-field, Virginia, for 1964. This is the highest honor obtainable in the Chapter.

Burton Keesee, meter reader, has resigned employment to return to Emory and Henry College. . . .

Miss Crump In 4-H Pageant Cast

Suzanne Crump, daughter of J. R. Crump, line foreman, represented Mason County as a member of the cast of "A Leaf Unfurled", a pageant designed to present the history of the 4-H movement in West Virginia

West Virginia.

The cast for this produc-tion included members from every section every section of the state. Highlighting the Centennial

year program at the State
4-H Camp at
Jackson's Mill, the big 4-H spectacular was presented in the amphitheater, making use of all the dramatic arts, including music, pantomime, dialogue, and dance.

A graduate of Point Pleasant High School, Suzanne is a junior at Marshall University, majoring at Marshall University, majoring in music. She was elected chaplain for this year at Prichard Hall, Women's Dormitory. One of Suzi's projects again this year is working with the underprivileged children of Huntington for the Campus Christian Fellowship. She is also a 4-H All-Star, which is the highest award given in the state.



James Hagy has been employed as meter reader from the Abingdon

L. C. Angle, Division power sales engineer, has been named vice chairman of the Washington County United Fund, Inc. Paul S. Dunn, administrative assistant, is chairman of the grall business, division man of the small business division.

Elwood Mullins has been employed as groundman in the Clintwood crew.

Pulaski

B. B. McCall, division power sales engineer, and A. F. Horne, district manager, were named to the Pulaski Chamber of Commerce board of directors last month.

Welch

"Chuck" Brown, son of Charles Brown, Grundy meter serviceman, was recently elected vice president of the Grundy High School Key Club... Duke C. Wright, Welch record supervisor, attended an Institute Meeting of Rotary International held at Montgomery, West Virginia. Mr. Wright is secretary of the Welch Rotary Club... Jennifer Bivens, daughter of H. H. Bivens, Welch stores supervisor, is serving as a co-editor of the pub-"Chuck" Brown, son of Charles serving as a co-editor of the publication "Maroon Wave" at the local high school. Scott Robinson, son of O. L. Robinson, District office supervisor, is serving as sports editor on the same publication . . . Reba Banner, contract clerk, in the Welch accounting department, has been appointed par-liamentarian of the Welch Junior Woman's Club.

Abingdon

Paul Lethcoe, electrical engineer, has been elected president of the Burley Belt Bowling League. James Prater, heating and builder sales representative, has been elected president of the Washington County Bowling League and Lovis Mitchell, home sales representative, has been elected vice president of the Bowler-ettes. All three leagues bowl at the Highland Bowl in Abingdon.



Lynchburg

L. G. Dougan, district personnel supervisor, is chairman of the industrial division of the Lynchburg United Fund campaign.

Fieldale

Ralph Naff, dealer sales representative, and Mack Romero, husband of Betty Romero, T&D clerk, were elected to the board of deacons at Villa Heights Baptist Church. Fieldale Baptist Church has picked D. G. Merriman, station man, as Sunday School superintendent.

W. H. Kable, Stuart, lineman.

W. H. Kahle, Stuart lineman, has been elected president of the Patrick County Chapter of the Virginia Tech Student Aid Association.

Roanoke

W. F. Aldrich, office messenger has resigned to attend school . . . new employees in the local accounting department are Carolyn Beckner and Dallas Frazier.

Glen Lyn Vets



Seventeen retired Glen Lyn plant employees attended the annual outing at Narrows late in the summer. From left, Lon C. Drain, Giles A. White, William A. Suttle, Neal A. Buckland, Raleigh N. Wilkinson, James C. Neely, Robert M. McCormack, Lon J. Whitlow, James G. White, Carl M. Thomas, Samuel Hill, Noah J. Jessee, George C. Johnston, Mike Dent, Ira Wiley, Everett E. White, and Kyle Wade.



Out Of The Past

Like something right out of West Virginia's past is this picture of Miss Patricia Anne Mollohan taken during the Dry Hill-Prosperity Horse Show. Her centennial dress was designed and made by her mother. She is the daughter of L. C. Mollohan, station foreman at Beckley.

System

Two Marys—Mary Turner and Mary Hale—are new employees on system accounting.

William Ray Franklin is a new employee in the system station department in Roanoke.



Williamson

News from the PTA, Chamber News from the PTA, Chamber of Commerce, and amateur theater: Mrs. Naomi Cantees, general clerk, is the new vice president of the Hardy (Ky.) PTA... Mrs. Lorrayne Corea, personnel, is program chairman of the Tug Valley community players... and H. W. Cerrato, administrative assistant, is membership chairman of the Tug Valley Chamber of Commerce Tug Valley Chamber of Commerce for the coming year.



Linda Johnson is a new employee in the accounting department.



Ashland

Otto Russell, Dewey Sizemore, R. L. Barnes, Jim Saltz, and R. F. Millikan of Kentucky System; Charles Stayton and Charles Stayton, Vernon Greene, L. B. Morris, O. O. Hender-son, H. T. Mitchell, Dave Brough-ton, and C. C. Darrah of Ashland District attended the annual Fore-man-Manager's Conference at Marshall University in Huntington.

Carlin Cassidy, son of E. C. Cassidy, general power sales supervisor, received his M.S. degree in statistics from V.P.I. in August and is presently serving as a Lieutenant in the U. S. Army. He has been assigned to the Infantry School at Fort Benning, Georgia.

Pikeville

The following Pikeville District employees were winners in the Green Meadows Country Club Members Tournament—R. L. Huffman, r/w agent, won second flight— Craig H. Fields, residential sales (Continued on Page 9)

Industrial Development Not All Ribbon-Cutting; Jones Busy Helping Communities

Industrial development is a lot of things. Ask James E. Jones, area development representative for the Roanoke division. Industrial development is sometimes a speech by the governor and cutting a ribbon stretched across the front door of a new industrial plant, but more often than not, it is a basketfull of little things not nearly so glamorous and certainly a great deal harder.

In his work Mr. Jones emphasizes the word "area" in his job title. "We start with the idea that an area must be developed in many ways before it can develop an industry; call it creating a climate, if you like. You don't plant a garden without clearing the ground of weeds, staking it out, plowing, fertilizing, and so on. Neither can you set down an industry in a town or area that aren't ready for it." Mr. Jones sees it as part of his job to get a town ready.

How does he do it? Well, by knowing things, people, and places. Much of his information he gets from the community information reports prepared by district offices annually and forwarded to the area development department. These reports cover every imaginable fact about a community; taxes, climate, fire protection, finances, transportation, availability and cost of utilities, natural resources, schools, churches, labor market, present industry, and so on.

Maps Are Tools

In his office too are hundreds of aerial maps of potential industrial sites selected by chambers of commerce and development groups, by Appalachian, or by other parties concerned with the business of attracting industry. These maps not only show boundary lines and sizes, but are revised periodically to reflect location of new roads or highways, addition of utility services, and other location factors. Contour maps, showing usability of a tract, are also available, and Mr. Jones has to be able to read and understand all he sees on the maps. But as valuable as written infor-

But as valuable as written information is, it cannot be a substitute for the kind of material a trained observer can pick up on the scene.



Mr. Jones' interest in an industry doesn't end when it is settled in new quarters; expansion of existing industry is another part of his work. Here he talks with Clay Bear, president of Roanoke's Double Envelope Corporation, about the company's expansion plans.

So Mr. Jones has come to know his territory well: its natural resources, and its people. He knows who owns good industrial sites, and how much they will cost; he knows where there are usable vacant industrial buildings, and, just as important, where there are unusable ones. (The need for available buildings for industry, incidentally, was one of the factors which led the area development department into its highly successful Project Decision program.) Mr. Jones knows the chambers of commerce and industrial groups, and works with them to make sure that a prospective industry gets a true and complete picture of the community it is interested in.

He works actively with planning commissions. Successful area development can best take place in a climate of proper and orderly growth, which includes effective zoning ordinances. It is the area development representative's job to show communities that planning and zoning are to the best interests of community and industry alike. Mr. Jones spends a good part of his

time with communities in this work, and helping solve water, sewage, and highway problems.

Mr. Jones has also taken part in an increasingly important phase of the department's work. This is the preparation of market studies undertaken to determine specific needs of an area, usually based on existing industry. In recent years studies of this sort have uncovered a real need for galvanizing, heat treating, and tool and die operations in Appalachian service area. Mr. Jones, and others in the department, use these studies as effective ammunition in promoting development.

Competition

The area—or industrial—development field today is one of the most competitive in the world. In 1957, there were 3,900 groups searching for new industry. In five years, according to the U. S. Department of Commerce, the figure had grown to 12,000. That's what Appalachian's area development department is up against, and they're doing well at it, as we shall see.

Let's say that a community, helped by Mr. Jones, has done its homework well. It has a good site or building; good zoning, good labor supply; good tax structure. It's close to national markets, it has certain natural resources close by. Through one thing or another—an Appalachian ad, coincidence, a hundred things—a representative of an industry decides to make a personal evaluation. Mr. Jones meets the man, takes him on the tour, puts him in touch with people who can give straight answers to plain questions. The man is impressed. Is the matter settled? It is not. It takes time.

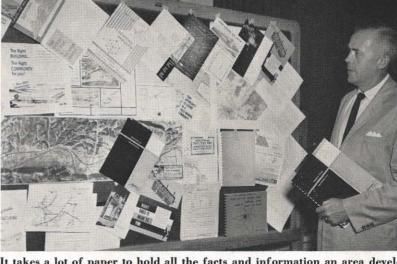
Several of the companies Mr. Jones has worked with waited as long as four years before deciding to locate. After all, a new plant, even for the biggest companies, is a major investment. During that time the company is in constant touch about details. Mr. Jones kept a log of his dealings with one company. It shows that in ten months he had 162 mail, phone, or personal contacts with the company.

We've said Appalachian is doing well against stiff competition. Here, for Mr. Jones's division, is proof: in five years, 259 industries have either located or expanded here;

Huntington Man Writes Article

W. H. Holly, working foreman in the Milton line crew, Huntington district, told readers of *Electrical World* magazine about a new dual winch control on the company's winch vehicles.

According to Mr. Holly, the new control permits the operator to remain on the safe side of the truck, this eliminating a safety hazard caused when the operator would otherwise have to stand near road traffic.



It takes a lot of paper to hold all the facts and information an area development representative uses in his efforts to improve communities we serve, and to convince industry to locate there. Here Mr. Jones inspects some of the reports, surveys, maps, booklets, and brochures produced for his department. The area development department frequently calls on specialists in the commercial, engineering, and public relations departments for help in working with industry.

they provided jobs for 14,367 persons, and they added \$3,700,000 each year to Appalachian's revenue, and some of these industries bear big names in American business: International Telephone and Telegraph, Corning Glass, H. K. Porter,

Fred Whitaker Company, and

(Editor's Note: This is another in a series of articles on the men and women of our companies, whose jobs in one way or another affect all of the rest of us.)

Fondness For Nature Led To Painting



Mrs. Arla Alexander puts finishing touches on her latest landscape, a scene from the Kentucky hills. She began her painting interests last January, has completed 50 pictures, and sold many.

Since childhood, impressed every year with the beauty of changing season, Mrs. Arla Alexander wanted to capture those colorful moments on canvas. For years she was afraid to try; and then, last January she picked up her courage and brush and palette at the same time, and began to work on her first picture.

The hills and streams of northeastern Kentucky were willing models, even in winter. By the time spring rolled around, she had given up her attempts to pre-sketch a picture, and had begun to paint, with generous use of color, on a blank canvas.

Some months ago a friend offered to buy one of her pictures. Astonished at the prospects of a selfsupporting hobby, Mrs. Alexander began selling her pictures, and soon she found herself accepting commissions to paint the favorite scenes of friends and neighbors. As her pictures appear in more and more homes, Mrs. Alexander's fame is spreading, and her work is in great demand. So far she has completed about 50 pictures, mostly landscapes

How far will this hobby-business take her? Mrs. Alexander doesn't want to say. It's no career, she insists—only a satisfying hobby.

Mrs. Alexander's husband is Frank Alexander, area serviceman in Grayson of the Ashland district.

Armstrong Named To New Post

John J. Armstrong has been promoted to system chief operations

coordinator, and will head the coordinating office in

Roanoke.

Mr. Armstrong

Mr. Armstrong

Roanoke.

Mr. Armstrong, veteran of 43 years of company service, started out in Charleston as a company patrolman. He has worked as system operator, assistant chief

system operator, and system operating supervisor. He came to Roanoke from Charleston in 1949, and was made system assistant chief operations coordinator in 1959.

Mr. Armstrong was born in England. He is married and has two sons.

Former AEP Man Moves To Ohio

Charles E. Heller, a former Appalachian employee, has joined the General Office staff of Ohio Power Company. He moves from the American Electric Power Service Corporation's controllership department.

Mr. Heller joined the service corporation in 1956 as a business trainee, and transferred to Appalachian as part of his program. He returned to the corporation in 1959, and later spent nine months in 1960-61 in Newark, Ohio on the installation of managerial accounting in Ohio Power.

He holds a bachelor's degree from Rutgers University and a master's from the Wharton School of Business and Finance of the University of Pennsylvania.



"Fill it with industry," says Jack Lloyd, area development director for Appalachian, pointing to a map of the company's service area. With him are the members of the area development department. From left, Nicholas Roomy, area development representative for Charleston division; Emmett Blackwell, market an-

When a company is actively seeking a site, the area development representative must know what to offer. Mr. Jones, right, shows off a tract of land that is suitable for industry. He has a working knowledge of the

availability, suitability, and size of most of the sites in the division

alyst, Roanoke; Carl Dunn, representative in the Huntington division; Mr. Lloyd; Jerry Whitehurst, representative in the Bluefield division; Mr. Jones; Miss Martha Worrell, secretary, and J. R. Davenport, administrative assistant to the vice president and general manager.

Service Anniversaries Celebrated



C. A. McClung Ashland 30 Years

W. L. Harris

Cabin Creek

30 Years

E. D. Stover

System 25 Years

J. O. Triplett

Huntington



R. B. Hastings Huntington 30 Years

Mrs. Rose Harvey

Lynchburg

F. H. Mannon

Karawha River

25 Years

L. C. Williams

Huntington



H. F. Wagenhals Sporn Plant 30 Years

F. O. Parks

Lynchburg 30 Years

Fain W. Leamon

Kingsport

25 Years



H. C. Bobbitt Pikeville 30 Years

M. D. Everett

Lynchburg 30 Years

P. W. Burks

Charleston 25 Years

SERVICE These pins are awarded in recognition of years of faithful service. Each of these pins also recognizes the



G. B. Moir Jr. Charleston 30 Years

M. X. Yonts

Hazard 25 Years



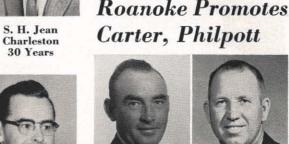
M. C. Griggs

System 25 Years

F. W. Lemaster

Huntington

25 Years



Mr. Carter

New Whiteway Completed As One Phase

Of Abingdon Relighting Program

Mr. Philpott

Promotions to working foreman were announced last month for H. F. Carter and L. S. Philpott, both of the Roanoke district.

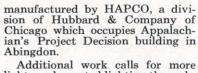
The first phase—a new whiteway in the business district—has been

completed in a lighting program by Appalachian that will effect every section of Abingdon.

The new whiteway consists of 21,000 lumen mercury vapor lights on aluminum poles and arms,

Mr. Carter was first employed in August 1946 as groundman in Roanoke. He worked last as a truck driver-groundman and lineman. He and his wife, son, and daughter are members of the Calvary Baptist Church, and all enjoy camping trips. Mr. Carter also bowls on the company team. the company team.

Mr. Philpott moves to Roanoke from Rocky Mount, where he had been a lineman. He started work in Roanoke in 1947 as a groundman, and moved to Rocky Mount in 1952. He and his wife have two daughters and a son, and are members of the Grandin Road Baptist Church.



Additional work calls for more lights and uprated lighting throughout the town. Entrances to the town from corporation limits will have 11,000 lumen lights, and residential areas will be brightened. In all, total lighting in the town will be increased from 931,500 lumens to 2,688,000 lumens.

The new lighting contract be-The new lighting contract between Appalachian and the Town of Abingdon came after the Abingdon Junior Woman's Club had adopted as a major project "The Crusade for Light", which is sponsored by the General Federation of Women's Clubs. For the past several months club members have been carrying out the lighting have been carrying out the lighting campaign before civic and other groups.



A new mercury vapor street light

towers over the old light it replaces near a business section of Abingdon. Shortly after this picture was taken the old light was removed.

20 Years

division dealer sales representative, recently made a call in a new sub-

The lady very patiently listened to Mr. Huffman's story. Then it became her turn to talk. Before she finished, she had not only

convinced Mr. Huffman that it was he who should sign the contract for a dusk-to-dawn light, but she had also sold him her house. Be-wildered Mr. Huffman walked away and thought his troubles were over until he got back to the office and his fellow salesmen convinced him that now was the time to convert the house to electric heat.

the ployee has played in the progress of the company durina C. R. Hefner

these years of service.

Abingdon



D. W. Henry

Roanoke

25 Years

Appalachian Power Company

ABINGDON DISTRICT—20 YEARS: C. R. HEFNER, T&D clerk, senior; E. J. SANDERS, meter reader. 15 YEARS: L. W. DUNCAN, T&D clerk, senior; W. H. GRIZZEL, lineman A; E. P. LEFRCOE, electrical engineer; J. L. Q. Moore, Jr., meter reader; J. S. ORR, lineman B; C. E. FIELDS, lineman A. 5 YEARS: J. F. McREYNOLDS, meter reader.

BECKLEY DISTRICT—35 YEARS: HORACE F. BANKS, janitor. 15 YEARS: LEWIS C. JONES, station man A; A. W. Bonds, truck driver-groundman. 10 YEARS: L. F. POMYKATA, line and station supervisor.

BLUEFIELD DISTRICT—40 YEARS: BENJAMIN E. BATES, division meter supervisor. 15 YEARS: HERMIA D. LUCAS, pre-audit clerk; Chester G. Smith, T&D clerk, senior. 10 YEARS: JACK E. HAWKS, lineman B.

CABIN CREEK PLANT—30 YEARS: W. L. HARRIS, boiler operator C. 20 YEARS: L. C. WILLIAMS, mechanical maintenance man.

CHARLESTON DISTRICT—40 Years: Howard C. Mathews, meterman A. 35 Years: W. A. McClain, truck driver-groundman. 30 Years: Gordon B. Moir, Jr., record supervisor; Stoney H. Jein, general serviceman. 25 Years: P. W. Burks, Division service coordinator. 15 Years: Arthur Shell, janitor; C. C. Harper, meter serviceman B; J. F. Dooley, area serviceman: Cecil Tolbert, lineman A; C. H. Young, meter reader. 10 Years: Jacquette Maffett, home sales representative, senior; Everett E. Sparr, meter service helper.

CLINCH RIVER PLANT—10 YEARS: BETTY C. STEVENSON, results clerk. 5 CHARLES B. HINCHEY, instrument maintenance man B; STANLEY B. WAGONER, helper.

FIELDALE DISTRICT-15 YEARS: AUDREY S. HARLOWE, secretarial stenographer. HUNTINGTON DISTRICT—35 YEARS: EARL GOODBAR, stores & garage supervisor A. 30 YEARS: R. B. HASTINGS, customer service clerk. 25 YEARS: F. W. LEMASTER, groundman. 20 YEARS: J. O. TRIPLETT, general serviceman. 15 YEARS: R. D. PERSINGER, T&D clerk. 10 YEARS: L. E. ERNEST, PBX operator; E. M. COLEGROVE, meter reader.

KANAWHA RIVER PLANT—25 YEARS: F. H. MANNON, unit foreman. 15 YEARS: AMOS WORKMAN, maintenance foreman; J. L. KERN, instrument maintenance man A. 10 YEARS: J. K. ALLEN, janitor; E. M. Pell, instrument maintenance man B.

LOGAN DISTRICT—15 YEARS: LEONARD CRUM, auto repairman A; J. M. Sullivan, station man A. 10 YEARS: ANNA RUTH HALE, stenographer; H. K. Spears, working foreman. LYNCHBURG DISTRICT—30 YEARS: M. D. EVERETT, janitor; F. O. PARES, hydro operator B; Rose S. Harvey, pre-audit clerk.

PULASKI DISTRICT—15 YEARS: JAMES L. EARLES, lineman C. 10 YEARS: ADELENE W. NEWMAN. stenographer.

PHILIP SPORN PLANT—30 YEARS: Howard F. Wagenhals, assistant shift operating engineer. 10 Years: Virgil G. Roush, junior maintenance man; Kenneth E. Harris, results helper; Stanton E. Burdette, junior maintenance man; Robert G. Rhodes, junio

ROANOKE DISTRICT—35 YEARS: C. A. FARRAR, meterman A. 25 YEARS: DEWEY W. HENRY, assistant stores supervisor. 15 YEARS: R. E. DENNIS, lineman A.

SYSTEM—25 YEARS: M. C. GRIGGS, head, work order section; E. D. STOVER, system automotive inspector. 15 Years: A. H. Barlow, system station man B; R. R. Hawkins, e igineering aide; J. R. Hubbard, head, general accounting machine operations. 10 Years: C. R. Lovegrove, supervisor of public information. 5 Years: D. V. Haraway, system station operator A.

WELCH DISTRICT-40 YEARS: J. J. HARMAN, area serviceman. 15 YEARS: W. L. MITCHELL, lineman A. 5 YEARS: C. D. STOVER, groundman.

WILLIAMSON DISTRICT—35 YEARS: ERNEST BAILEY, line foreman. 15 YEARS: H. D. HATFIELD, head material clerk; C. J. MAYNARD, assistant credit supervisor. 10 YEARS: J. W. ROBINSON, collector.

Kentucky Power Company

ASHLAND DISTRICT—40 YEARS: FELICIA BILLUPS, utility clerk, senior; RUFUS P. THOMAS, industrial development representative. 30 YEARS: C. A. McClung, general meter superintendent. 25 YEARS: DORA ADKINS, meter clerk, senior.

HAZARD DISTRICT—25 Years: M. X. Yonts, engineering aide. 15 Years: Neldon Whitaker, lineman B; Roy M. Miller, heating sales representative. PIKEVILLE DISTRICT-30 YEARS: H. C. BOBBITT, meterman A. 15 YEARS: JERRY

Kingsport Utilities, Inc.

25 YEARS: F. W. LEAMON, engineering aide. 15 YEARS: E. H. PRESLEY, lineman A; J. W.

When A Salesman Buys-That's News Evermonte Huffman, Huntington

recently made a call in a new sub-division to sell a dusk-to-dawn light. He picked out a likely pros-pect and knocked on the door. When the lady of the house an-swered Mr. Huffman turned on the sales pitch about a dusk-to-dawn light and filled with the charm he has acquired in three decades of selling. of selling.

A total figure has not been tabulated on the cost of this turn-about, but Mr. Huffman is willing to jump on a soap box and testify to the world that you cannot estimate the power of a woman.

Yard Energized



Most of the talk about Appalachian's Smith Mountain project has been centered around water recreation. But it's a power producer, too, and here's the 138-kv switchyard, just completed, to prove it. The station was recently energized to bring in construction power from Leesville. Before the station was put into use, construction power came from Virginia Electric & Power Company via Leesville.

Retired Employee Dies In Charleston

Vitalus C. Bartlett, retired Charleston district garage supervisor, died after a long illness in Charleston.

Born in West Union in 1878, he moved to Kanawha County in 1908, and joined Appalachian in 1920. He retired June 1, 1943.

He was a member of the First Church of the Nazarene and the Belington AF&AM Lodge. Mr. Bartlett is survived by a daughter and two sons, nine grandchildren and 17 great-grandchildren. One son is J. O. Bartlett, Charleston T&D station section. Services were held August 29 in Bartlett Funeral Home. and burial took place in Spring Hill Cemetery.



Mr. Bartlett



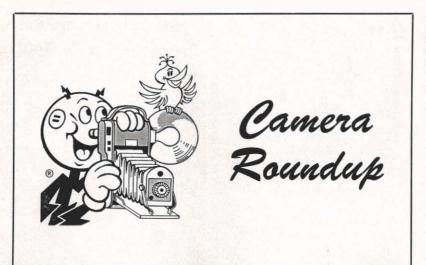
G. C. Fannin and his wife do their farming in a big way. This year they grew a pumpkin in their garden that puts all of their previous efforts to shame. This whopper came to 60 pounds, enough to supply plenty of pumpkin pies for the family and friends. Mr. Fannin is maintenance man at Kanawha River plant.



Bob Wells, coal procurement assistant in Charleston, was one of the eight judges in the recent Miss Charleston contest; here he is with one of the eight finalists, Miss Anita Phillips. This was his first experience in this line of work, but he's agreeable to do it again if necessary. That's Mr. Wells at right.



There was no brush with a handle long enough to do the job, so when the 65-foot flagpole at Glen Lyn needed painting, they got a bucket truck, and sent up W. B. Basham and W. F. Cohran. Both are in the system transmission department.





Just admitted to the Turtle Club is Paul Sayre, front row, center, Point Pleasant lineman. His hard hat kept him from serious injury when a 10½-pound weight fell about 25 feet and landed on his hat. All he suffered was a cut forehead. With Mr. Sayre are, from left, R. D. Miller, lineman; M. C. Clark, line and station supervisor; J. R. Crump, line foreman (behind Mr. Sayre), and C. E. Fowler Jr., lineman.



4-H Club project winners, 150 of them, from 18 eastern Kentucky and Big Sandy clubs, attended an awards breakfast in Ashland recently, and heard Ronald Marshall, manager of Kentucky Power's Big Sandy plant, describe the workings of the newest generating plant on the AEP System. Participation in activities such as this is one of the ways Kentucky Power demonstrates its interest in the young people of the area.



Two new all-electric 24-lane bowling alleys are going up in the Charleston area, scheduled for completion next month. Each has 40 tons of heat pump equipment, plus electric cooking, water-heating, and pin-spotting facilities. In the picture at left, Stuart Foehr, left, and Ranny Woodyard, right, division commercial



department, talk with Robert A. Crichton, of Robin Lanes in Kanawha City. At right, Don Loy, division commercial, is with Mitchell Sadd, center, who will operate the Towne and Country Lanes at Nitro, and Sam Rubin, one of the owners.



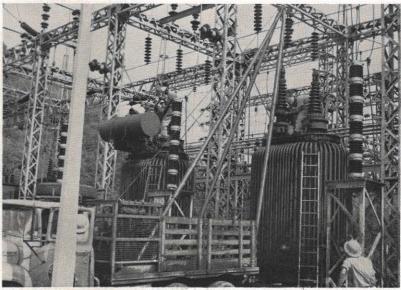
The annual maintenance work at Cabin Creek plant included the overhaul and inspection of low pressure No. 9 turbine unit. Recognizable in the photograph are K. E. Farley, D. A. Murphy, L. H. Carnifax, M. D. Dodd, and M. L. Lewis, all members of the mechanical maintenance crew.



Leroy Pothress, Bluefield division civil engineer, watches the progress of concrete pouring at the site of the Princeton Project Decision building. Because of the nature of the soil at the site, concrete cassions had to be poured to support the building's foundations. There are 80 cassions; they average about 17 feet in length with a three-foot concrete bell at the bottom. Diameter is two feet.



Call it a gimmick if you will, but the little buttons Logan and Williamson employees are wearing on their shirts and coats these days are stirring up talk and thought. The button carries the letters "RMA" and they stand for "Right Mental Attitude." District Manager George Hervey spotted the buttons and is responsible for distributing them among employees. The point is that by simply wearing the button, an employee develops the right mental attitude necessary for a successful safety program, or personal contacts with customers. Wearing the button, employees have found, starts a sort of chain reaction: when a person asks what the letters stand for, the wearer not only gains a recruit, but becomes aware of RMA all over again.



A ten-day overhaul of the Mullens station (Welch district) featured the use of a temporary station with a "sky-hook" connection. Shown at work during the overhaul are Bernard French and James Sutphin on the transformer at left, and Ralph Weimer and Mike Clayton, at right. At lower right is Steve Dudash, working foreman.



Aew Arrivals



Big Sandy Plant

MR. AND MRS. WILLIAM S. SPEARS, daughter, Deena, August 22. Mr. Spears a maintenance man.

Bluefield District

MR. AND MRS. J. J. HARMAN, JR.,
a daughter, Mary Ruth, August 20. Mr.
Harman is division senior station engineer.

Cabin Creek Plant

MR. AND MRS. THOMAS D. WHIT-TINGTON, a daughter, Cynthia Diane. Mr. Whittington is a work order clerk.

Fieldale District

MR. AND MRS. H. E. BULLARD, a daughter, Cheryl Kay, September 15. Mr. Bullard is an instrument man.

Glen Lyn Plant MR. AND MRS. T. E. DENT, a son, Gregory A., July 20. Mr. Dent is a utility operator.

Huntington District

MR. AND MRS. R. T. STEELE, a son, William Perry, August 17. Mr. Steele is an electrical engineer.

Kingsport MR. AND MRS. EDWIN E. BROOKS, a daughter, Lakieta Lynn, September 14. Mr. Brooks is a groundman.

Lynchburg District

MR. AND MRS. C. R. WOOTEN, a son, Charles, September 6. Mr. Wooten is employed in the T&D section.

President



Golda Johnson, secretary to the Charleston district manager, has been elected president of the Charleston Mu Gamma chapter of Alpha Iota International honorary sorority. Active in the chapter for five years, Mrs. Johnson has previously served as vice president and secretary. In addition to the chap-ter Mrs. Johnson's interests are bridge and bowling.

Roanoke District

MR. AND MRS. RUFUS A. ANTHONY a daughter, Benita Jean, August 27. Mr Anthony is a janitor in Roanoke.

Philip Sporn Plant

MR. AND MRS. KENNETH E. MATSON, a daughter, Mary Cecile, September
11. Mr. Matson is a laborer.

System

MR. AND MRS. KERMIT D. BRIDGES a daughter, Melanye Sue, September 2. Mr. Bridges is an electrical engineer.

MR. AND MRS. G. S. NEASE, JR., a son, Daniel Park, July 6. Mr. Nease is employed in the system distribution department.

MR. AND MRS. THOMAS L. ROWE, a daughter, Deborah Lea, August 2. Mr. Rowe is a system transmission line depart-ment employee in Bluefield.

Beckley Employee **Makes Stage Debut** In "The Women"

The role of Crystal Allen in the Beckley Curtain Callers' production of ' The Women" will



Mrs. Connoley

be played by Gloria B. Connoley, clerk-steno grapher in the engineering section. This is the group's first production of the year, and Mrs. Connoley's first appearance with the players.

She is no newcomer to the enter-tainment world, having sung in several of the Junior Woman's Club Follies in Beckley, and at other functions in Beckley, and in Huntington when she was a student at Marshall University. She and her husband live in Beckley.

They're Engaged

CHARLENE J. SUTTON to Bobby E. Exum. Miss Sutton is home sales representa-tive in the division commercial department in Bluefield.

PAMELA DANKS to Harold Messinger. Miss Danks is an office messenger in the accounting department in Charleston.

MARY CUSTIS BOWER to Miles Arden Lotts. Miss Bower is a stenographer in the Roanoke district personnel department.



Married in recent weeks were, top row, from left: Mrs. Raymond Lynn Hampton II, Huntington; Mrs. Carl T. Knopp, Point Pleasant; Mrs. Larry Wehrung, Sporn plant. Second row: Mrs. Eli Jackson Cline, Pulaski; Mrs. Aaron E. Trent, Fieldale; Mrs. William A. Sam-

mons Jr., Hazard; Mrs. Joseph C. Woods Jr., Charleston. Bottom row: Mrs. Luther Fillmore McPherson III, Abingdon; Mrs. John B. Whitmore Jr., Roanoke; Mrs. H. W. Conner Jr., Roanoke; Mrs. Paul Leland Bailey Jr., Lynchburg.

Married In Recent Weeks

Helmlinger-Whitmore

A double ring ceremony performed at the Huntington Court Methodist Church in Roanoke on September 2 united Emily Theresia Helmlinger and John B. Whitmore Jr., in marriage. Mr. Whitmore is the son of John B. Whitmore, Roanoke division planning engineer.

Surprenant-McPherson

Joan Loretta Surprenant and Luther Fillmore McPherson III were married September 7 in the garden of the bride's home in Beverly, Massachusetts. Mr. McPherson is the son of Fillmore McPherson Jr., Abingdon district manager

Holmes-Woods

The First Baptist Church of Kimberly, West Virginia, was the scene of the wedding on September 7 of Barbara J. Holmes and Joseph C. Woods Jr. Mrs. Woods is a cashier in the Montgomery office. Virginia

Walters-Sammons

Faye Walters became the bride of William A. Sammons Jr., September 1 in a ceremony performed at the First Baptist Church in Hazard, Kentucky. Mrs. Sammons is a clerk-stenographer in the Hazard accounting department.

Neff-Hampton

August 10 was the wedding day of Sharon June Neff and Raymond Lynn Hampton II, who were married at the Johnson Memorial Methodist Church in Huntington, West Virginia. Mrs. Hampton is employed by American Electric Power Company, Huntington laboratory.

Entsminger-Conner

The First Christian Church in The First Christian Church in Clifton Forge, Virginia, was the setting for the wedding of Anne Entsminger to H. W. Conner Jr., on August 24. Mrs. Conner is a stenographer in the system commercial Department, Roanoke.

Employee Chosen "Woman Of Year"

The Woman of the Year as chosen by the Jewel City Chapter of the American Busi-



Mrs. Hyldahl

Association is Mrs. Ethel Hyldahl of Huntington. Mrs. Hyldahl is electrical fts man in the Huntington district de-signing distri-bution power lines.
She was chosen for

ness Women's

work, not only as president of the chapter, but as president of the chapter, but with the American Legion Auxiliary, Veterans of Foreign Wars Auxiliary in Huntington, for district Eight, the state, and with the national organization, and with the Tri-State Multiple Sclerosis Association, which she has served as director and secretary. She raises flowers as a hobby, and has 25 varieties of rose in her garden, and also is a coin-collector.

coin-collector.

By her selection as woman of the year, Mrs. Hyldahl is a candidate for the national title, to be announced later this month at the national convention of the American Business Women's Association.

Hardesty-Bailey

Judith Hardesty and Lt. Paul L. Bailey Jr., were married August 31 in the Fort Hill Methodist Church in Lynchburg. Lt. Bailey is the son of Paul L. Bailey, Lynchburg's district superintendent.

Garlesky-Wehrung

Elizabeth Jane Garlesky and Larry Wehrung were united in marriage in a double ring ceremony held August 17 at the Sacred Heart Catholic Church in Pomeroy, Ohio. Mrs. Wehrung is a clerk-typist at Philip Sporn Plant.

Machir-Knopp

A double ring ceremony performed August 24 in St. Paul's Methodist Church in Point Pleasant, West Virginia, united Patricia Kay Machir and Carl Thomas Knopp in marriage. Mrs. Knopp is the daughter of W. F. Machir, proceeding appropriate in Point Pleasant. record supervisor in Point Pleasant.

Keene-Trent

Edna M. Keene and Aaron E. Trent exchanged wedding vows August 16 at Stuart, Virginia. Mrs. Trent is the daughter of O. A. Keene, meter serviceman.

Cline-Jaeger

Joyce A. Cline became the bride of Robert P. Jaeger September 7 in St. John's Episcopal Church in Wytheville, Virginia. Mrs. Jaeger is the daughter of E. J. Cline, area serviceman at Wytheville, and Mr. Jaeger is the grandson of R. L. Peirce, Wytheville, who was the first manager of the Virginia Division of the Appalachian Power Company. Company.

Wide Variety Of Flowers Offer Blooms All Season Long For Machir Family

The flower garden at the home of the W. F. Machirs in Point Pleasant is a glorious rainbow of colors. And it is that way from the earliest days of spring until after the first frost of fall.

W. F. Point Pleasant record

W. F., Point Pleasant record supervisor, and his wife, Violette, count their hobby of flower raising as one rich with rewards and a source of satisfaction, despite the fact that it requires many hours of head work. hard work.

The garden measures 30 by 100 feet near their four-year-old home, and it contains many varieties of flowers. There are the unusual varieties, like Lily of the Nile, Red Hot Poker, Miracle Lily and Heather. There are the more common kinds, such as Narcissus, Jonquils, Daffodils, Hyacinths, Tulips, Iris, Peonies, Columbine, Roses and many, many others. The garden was carefully planned so that there would be some varieties

blooming all the time.

What do the Machirs do with all those flowers, besides enjoy them? They give many away to anyone wanting a bouquet, and almost every church in town uses Machir

flowers on Sunday.

And they enter blooms in flower shows. At the recent Mason County Fair, Mrs. Machir entered her flowers in 14 exhibits. She won first places with a Purple Aster, Pink Radiance Tea Rose, Gallardia, Multicolor Zinnia, Yellow Zinnia and Yellow Calendula. She placed second with a Pink Tea Rose, Orange and Yellow Gladiolus, Giant Orange Zinnia and Orange Ca-lendula. In addition, her second place breakfast table arrangement was composed of various shades of Pink Verbenas and Purple Salvia.

The Machirs also grow many of their own vegetables and can them for the winter months.

The gardens take most of their spare time in the summer, but the rest of the year their interest is rest of the year their interest is held by two other projects—piecing quilts by Mrs. Machir and tracing and recording their family histories by both of them. She has completed her Somerville history, has written a book about it and gotten it published. The history of the Machir family has been written and will be published later this year. And to top off their hobbies, Mr. Machir collects old coins.



that bloom all summer long for the W. F. Machirs of Point Pleasant.

Welch Service Clubs Select Two For Positions Of Leadership

The Lions and Kiwanis Clubs of Welch have selected two Appa-lachian employees for major re-sponsibilities. The men are Richard H. Ruff, power sales engineer, and W. C. Groseclose, administrative essistant the jobs are for Mr. Ruff w. C. Grosectose, administrative assistant; the jobs are, for Mr. Ruff, the presidency of the West Virginia Lions Sight Conservation Foundation, and for Mr. Grosectose, the lieutenant-governorship of the 8th Division of Kiwanis International.



AEP Directors Tour Ohio Power

Members of the Board of Directors of American Electric Power Company visited eight communities in three divisions of Ohio Power

Company during a three-day tour September 11-13.

The tour was one of a series of annual visits to the seven-state territory served by the AEP

System.

Highlights of the tour were dinners in Newark and Lima, each attended by approximately 65 business and civic leaders who heard brief talks by Donald C. Cook.

Mrs. Peery Dies In Tazewell



Mrs. Peery

Mrs. Irene Peery, who retired nearly four years ago, died in Tazewell, Virginia August 31.

Mrs. Peery was employed by Appalachian December 1, 1930 in Tazewell, where she was born and educated, and where she lived all her life. When she retired in November 1959 as cashier-clerk, she had 29 years of company service.

She was a member of the Main Street Methodist Church, American Legion Auxiliary, and Wesleyan Service Guild. She is survived by three children and seven grand

The funeral was held in Main Street Methodist Church, and burial in Maplewood Cemetery.

Kentucky

(Continued from Page 4)

adviser, won the sixth flight—H. M. Coleman, stores supervisor, won the seventh flight.

G. D. Ison, engineering aide, was elected president of the Pikeville High School Band Parents for the

1963-1964 school year.
Carole Joan DeHart, clerk trainee, is the new employee in accounting department, Pikeville District.

Marda Preston, cashier-clerk, in the Paintsville office, and Peggy Ann Wolfe, clerk-stenographer, has resigned from the accounting department of the Pikeville District.

Mr. Ruff has been a member of the sight group's board of trustees since its founding in 1959. It was organized to meet the need for statewide sight conservation, and in four years it has established eye screening for elementary school children; cash gifts to the West Virginia University Medical School to equip one room of an eye clinic, extensive work in eye bank edu-cation, financial aid to indigent patients for eye operations, and other work. Mr. Ruff has served as president of the Welch Lions Club and as district lieutenant-governor.

Mr. Groseclose last year was president of the Welch Kiwanis Club, and has served several terms on the board of directors and has held the chairmanship of four different committees. In Welch, he is active in Red Cross, United Appeal, and community development work, and is chairman of the board of deacons of First Presbyterian Church.

After 40 Years, Ray Dixon Retires

Ray T. Dixon, meter service foreman, Charleston division meter department, retired September 30, after more than 40 years of service. A native West Virginian, Mr. Dixon will celebrate his 65th birth-day October 10

Dixon will celebrate his 65th birthday October 10.

It was April, 1923, when Mr. Dixon joined the old Virginian Power Company at Cabin Creek as a stenographer-clerk in the meter department. Two years later, he moved to the Charleston office of the West Virginia Water and Electric Company. When ownership changed to Appalachian Electric Power Company, he continued in the meter department and has remained there ever since. By 1937—times had changed, the company had changed, and so had Mr. Dixon's duties. The man who once took dictation on a stenopad was now acting as assistant

pad was now acting as assistant to the meter supervisor, and no longer was his work confined to the office. His supervision of meter installations and construction called for working in the field—which, in those days, included living in tents while construction in rural areas

while construction in rural areas was going on.

The next 26 years brought many more changes in organization, operation, and ways and means of doing things, all for the better. Last year in Charleston, the old building was demolished in which Mr. Dixon had worked for 27 years until the meter department moved into its present quarters in 1957.

Prior to joining the utilities he had attended West Virginia University, where he studied engineering, and Dunsmore Business College in Staunton, Virginia, where he studied business administration.

he studied business administration. He taught one term at New River State College (now West Virginia Tech) at Montgomery, as a teachercoach, and for two years was employed by Aracoma Coal Company at Logan. He was also in the Army Engineers in 1918-1919.

Engineers in 1918-1919.

Mr. Dixon plans to continue to live in Charleston. He has two daughters and six grandchildren, likes gardening, sports and his home workshop. He is an elder in Westminster Presbyterian Church in Kanawha City, a member of Masonic MacDonald Lodge No. 103 at Mount Hope and Scottish Rites Bodies in Charleston.



Mr. Dixon



Miss Billups



Mr. Thomas







Mr. Harmon







Mr. Mathews Mr. Bailey

Long Service Marked By Eleven Employees

Last month five employees completed 40 years of service and six completed 35 years of service.

Miss Felicia Billups

Of the 40-year veterans, Kentucky Power contributed two. Miss tucky Power contributed two. Miss Felicia Billups, utility clerk in Ashland district accounting, joined the company in 1923. She worked first as a cashier for the old Boyd County Electric Company. Her entire company service has been in accounting. She is a native of Catlettsburg, attends the First Christian Church and is active in its work, and is presently treasurer. its work, and is presently treasurer of the Ashland Employees' Quarter Century Club.

Rufus Thomas

A man greatly concerned with the task of improving eastern Kentucky's economic picture is Rufus Thomas, who also marks 40 years of service. He started out as an Appalachian employee in 1923 in Huntington, and moved across the river to Kentucky in 1953 as

Ashland Employee Saves Royalty From Hot Fate

A few weeks ago, Ashland's T&D Department discovered unwelcome tenants at 25th Street substation in the incinerator. As the crews were preparing to leave one evening, a strange sound was heard near the large brick incinerator in the substation yard. Investigating linemen discovered a large swarm of bees settled inside. Scheduled use of the incinerator made removal of

of the incinerator made removal of the bees necessary.

Fortunately one volunteer stepped forward.

Calvin Burnette, truck-driver-groundman, had kept bees at home and decided to capture the swarm rather than see them destroyed.

Later that evening when cooler temperatures slowed the more active bees, Calvin transferred the bees to a box and took them home. He managed this with without any He managed this with without any gloves or other protective clothing and, happily, without being stung. At last report the queen and her hive are safely at home in their hive manufacturing honey for the Burindustrial development represent-ative. This is the job he now holds. He is a Kentucky Colonel, a mem-ber of the Society of Professional Engineers, the Optimist Club, and the Bellefonte Presbyterian Church. Mr. Thomas is married and has a daughter and three grandchildren.

Benjamin E. Bates Benjamin E. Bates, Bluefield division meter superintendent, started his four-decade career in in Bluefield's meter department in 1923. He later spent 14 years in Welch, and came back to Bluefield in 1958 as district meter superinten-

dent. He moved to his present position in November 1959. He is a native of Kentucky, attended Emory and Henry College. His affiliations include Kiwanis, His affiliations include Kiwanis, Masons, Pocahontas Electrical and Mechanical Institute, American Legion, and First Methodist Church. In Welch he had served as president of the Kiwanis Club, and he holds the same job for the Bluefield Club. He and his wife have three children and three grandchildren.

J. J. Harmon

A Virginian who has spent most of his life in West Virginia, J. J. Harmon went to work for the company in the old Jenkinjones station in September 1923. He has worked as utility man, troubleman, inspector, patrolman, and mainte-nance man. Since September 1950 he has been area serviceman at Switchback. In his company career he has never experienced a lost-time accident, and believes that safety is "using plain horse sense." Mr. Harmon is the father of seven children.

Howard Mathews

Completing 40 years of continuous company service October 1 was Howard C. Mathews, Charleston district meterman. In addition he has more than four years of broken service. He started in 1923 as electrician's helper, and became a meterman in 1935. He is married and makes his home in Charleston.

Ernest Bailey

Ernest Bailey, Williamson district line foreman, joined the company in 1928, and marked 35 years of service last month. Before becoming line foreman in July 1944, he worked as meterman's helper and lineman. A native of Williamson, Mr. Bailey is married, and finds

Familiar Faces
NEW PLACES

Appalachian Power Company

T. R. GIBSON from material clerk, stores department to general clerk, division commercial; R. M. HOGSETT JR., from general clerk, commercial, to dealer sales representative; W. L. JOHNSON from office messenger, miscellaneous department to clerk-typist, T&D Records; JANET QUINN from clerk stenographer, T&D Records to clerk stenographer, division commercial.

REFERT C. JENKINS from lineman B to lineman A; RICHARD D. TICKLE from lineman C to lineman B.

time to contribute his time and efforts to the Masons, the Shrine, the Elks, the Moose, the Williamson Lifesaving Crew, the Volunteer Fire Department, the Memorial Methodist Church, the Red Cross, where he teaches first aid, and hunting and bowling.

C. E. Marshall

C. E. Marshall, regional chief C. E. Marshall, regional chief dispatcher at Logan, joined the company 35 years ago as a maintenance electrician at Logan plant, and became plant dispatcher there in 1938. He transferred to the system operating department as regional chief dispatcher in April 1961. He is a member of the Nighbert Methodist Church, Masonic Lodge, Rotary, and the Logan Country Club. He has two daughters and three grandchildren. ters and three grandchildren.

Horace F. Banks

Receiving his 35-year service emblem last month was Horace F. Banks, Beckley district janitor. His service goes back to the days of the West Virginia Water Service Company in 1928. Mr. Banks and his wife have two married daughters.

Earl Goodbar

Huntington's Earl Goodbar, who completed 35 years of service last month, worked as floorman, stores supervisor, district stores supervisor, and stores supervisor before being made stores and garage supervisor this year. A native West Virginian, Mr. Goodbar lives in Huntington with his wife. 12 He is a member of the Elks Club.

Thomas A. Jewell

Originally employed by the Point Pleasant Water and Light Company, an Appalachian predecessor, Thomas A. Jewell, Point Pleasant groundman, marked his 35th anniversary last month. He has also worked as a lineman. He has two sons and four grandsons and lives sons and four grandsons, and lives with his wife in Point Pleasant.

William A. McClain

William A. McClain, truck drivergroundman in the St. Albans area, has received his 35-year service pin. The presentation was made recently when it was discovered that Mr. McClain's name had been inadvertently omitted from last year's recognition list. He was first em-ployed in Janu-

ary 1927, and all of his service has been with the district line department. His off-hours are spent with his hobbies of weaving, carpentry and
blacksmithing.
He and Mrs.
McClain live in
St. Albans.



Mr. Marshall





Mr. Banks

Mr. Goodbar



J. G. HARVEY II from groundman to lineman C; H. F. CARTER from lineman A to working foreman; L. A. PHILPOTT from lineman A to working foreman; C. E. PRATHER from groundman to station man helper.

JUDY IRBY from clerk-typist to T&D clerk.

LENICE L. BOWMAN from clerk, trainee to clerk-typist.

S. G. LANDIS from system station operator A to regional dispatcher.

Abingdon District

Huntington District

Lynchburg District

Pulaski District

Roanoke District

WILLIAM HUBERT KING from lineman A to engineering aide.



A hush falls over the gallery, then "Whap!" Orville sinks an 8-foot putt with his 9 iron. And another hole of the Backyard Country Club has met its match. Join-

ing Mr. Henderson for this evening of backyard golf was John McClure, Ashland right of way agent, and Ed Humphrey, distribution engineer.

"Watch Out For The Woodpile And Beware The Barbecue Pit!" Is Warning In Backyard Golf

A booming drive off No. 6 tee was smothered by a flowering shrub. A chip shot hit a tree, bounced off a trash can and dropped on the green. A drive went in and out of a barbecue pit and lodged under a

woodpile.

Augusta National golf course it is not. But fun it is. It's the Midland Heights Golf Course of the Backyard Country Club of Ashland, and the shots described above are typical of the zany type of golfing played by the rolling, hazardous course's home pros.

The nine-hole (well, really six, but you repeat three of them, using alternate tees) course is the brain-

but you repeat three of them, using alternate tees) course is the brainchild, and product of work, of four Ashland neighbors, including Orville Henderson, Ashland district supervising engineer. From a meager beginning three years ago, the course has developed into the sprawling giant it is today—the longest drive is just under 100 yards long.

Constant care and attention has produced good greens and close-cropped fairways in the back yards that contain the course. There are no sand traps or water holes, but here are some dillies of hazards. In addition to the shrubs, trash cans, barbecue pits and woodpiles, there are lawn furniture, clothes line props, flower beds and trees. Biggest challenge is a big cherry tree that stands almost in the middle of the course and has batted down many a drive. Even the cups present a challenge—they are tomato cans only four inches in diameter, and half inch smaller than regulation.

Equipment is simple enough— no golf shoes, gloves, bags, head covers, caddies or carts. All the golfer needs is an iron, with the 7 and 9 irons proving the most

popular.

When the course was first laid out, neighbors were bothered frequently by stray shots. But now they've learned to duck and live.

All exposed windows in sight have been screened, and the Backyard Country Club claims the proud



Mr. Wilson

Logan Retiree To Keep Occupied

Hiley Glen Wilson, head T&D clerk in Logan, retired October 1.
Since joining the company in July 1939 as a stenographer, Mr. Wilson spent most of his service in the records section of the T&D department. He was made head clerk in 1954.

A native of Upshur County, West

clerk in 1954.

A native of Upshur County, West Virginia, he worked for a coal company in Logan before joining Appalachian. He attended Fairmont Teachers College.

Mr. Wilson is active in the work of the First Baptist Church, where he is a deacon. His church work and his hobby of gardening will keep him "occupied" during retirement, he says. He and his wife have one son, and live in Logan.



Hazards, natural and otherwise, present their own frustrations and challenges on Ashland's unusual golf course that stretches over several back-

record of having never broken a

On a pleasant evening Midland Heights can be an exciting place to

Two Employees Honored At Game

Two Kingsport Utilities employees were honored by the University of Tennessee during half-time ceremonies at the University of Richmond and UT football game September 21 at Knoxville, Tennessee.

Clarence J. Bryan, assistant manager and John Faust, power sales engineer, were selected as outstanding campus and civic leaders. In all, 31 Kingsport people during the past 35 years were selected for this honor.

Nevil Davy, son-in-law of Mr. and Mrs. J. E. Wright, was also included among the 31 honored. Mr. Wright is vice president and general manager of Kingsport Util-ities, Inc.



Travel, Farming Are Hill's Aims

Travel to Florida, Arizona, and Texas is the immediate aim of Joe C. Hill, who retired as system regional chief dispatcher at Kanawha River plant October 1.

He joined the company in April 1924 at Cabin Creek, and worked for a few months in the results department. The next year he was made control operator and dispatcher, and in 1943, assistant chief dispatcher. He became chief dispatcher in 1945, and transferred in 1952 to Kanawha station as system regional chief dispatcher.

After retirement, and after he visits his family in far scattered points, Mr. Hill will move to his farm at Alum Creek, there to enjoy gardening, fishing, and woodwork-

Children and Dogs: Training Makes Them What They Are

In his philosophy about dogs, Herman L. Morris of Lynchburg maintains that in some respects animals are like children. "There is no such thing as a bad child or a bad animal. Their training or lack of it makes them what they are."

This is the maxim that the meter reader has used in his training of

reader has used in his training of dogs for nearly all of his 57 years of life. And that's seven years past his self-imposed deadline of age 50. About that he says, "My wife must have the patience of a saint. I gave her my solomy word I would store her my solemn word I would stop training dogs when I became 50. I now have seven dogs and I am expecting at least three times that many this fall."

many this fall."

He was just 10 years old when he started hunting by himself and training his own dogs. Since he has trained bird dogs, coon and fox hounds and beagles. He has won numerous ribbons and trophies, particularly with his fox hounds, and has shown dogs throughout West Virginia, Virginia and North Carolina. He is also a member of the Virginia Fox Hound Hunters Association.

Good Condition

The first thing he does in training a dog is get him in top physical condition, because "a partly starved dog or one suffering from any disease will be sluggish and not respond to training." Dog training takes great patience, because the dog must learn to get used to his dog must learn to get used to his trainer and to respect and obey him. Because show dogs cannot be nervous, Mr. Morris trains his with the radio turned up to its highest volume and with people moving about making noises to approximate conditions dogs will find at shows.

There are two types of shows, according to Mr. Morris. At bench shows the dog sits on a platform or bench and is inspected by the judges. Then the animal is led judges. Then the animal is led around on a leash and returned to the bench. In a field trial the dog is judged on his ability to perform in the field in simulated hunting conditions.

Mr. Morris has great respect and love for his dogs. "I enjoy working with them, and in my opinion they are the smartest animals we have. They have a wonderful sense of

They have a wonderful sense of loyalty. You may lose everything in this world, but your dog will stand right beside you."

Obedience

One of the cardinal virtues of any dog is total obedience, and Mr. Morris illustrates this point with something that happened to him a few years ago. "I had a with something that happened to him a few years ago. "I had a wonderful bird dog that had been carefully trained and was an excellent hunter and outstanding retriever. One day I was plowing a field some distance from home. The dog had spent the afternoon lying in the shade and watching me. When I finished and was unhooking the plow, she started me. When I finished and watching me. When I finished and was unhooking the plow, she started jumping on me. I was hot and tired and gave her the command to sit. I got busy again and forgot about her and later went home.

"I missed her the next day and asked around to see if anyone had seen her. I finally decided that she

had been stolen. Days later I returned to the field where I had been plowing, and there she sat, half starved and almost dead from thirst, although there was a stream a few yards away. Throughout her entire ordeal she had remembered that last command of sit and would not move until I gave her permission."



Randy Bias

Vivian Gilmour

Golfing Teenagers **Excel In Tourney**

Handicaps scores in medal play of 133 and 134 for 36 holes earned second and third place finishes for two Point Pleasant youngsters in the recent Junior Championship Golf Tournament in that city.

Vivian, daughter of W. C. Gilmour, administrative assistant, was second. Finishing third was Randy, son of L. C. Bias, local office manager. They competed against more than 30 other youngsters up to age 19 in the two-week tourney open to children of Hidden Valley Country Club members.

Vivian is a sophomore and Randy a junior at Point Pleasant High School.

All-Stars



Boys who played against each other during the regular season were teammates on the Kanawha Central Little League All Star Team. Here are Larry Lively, left, and Harold Dean Williams, sons of Cabin Creek plant employees. Larry, whose dad is Ray Lively, assistant shift supervisor, pitched and played first for the Dickinson Colts, and led the team with a .474 batting average. Harold, son of Ralph Williams, assistant shift supervisor, hit .362 for runner-up Chelyan, and played first, second, and short.



Litter mates and their master, Herman Morris, get the eye from the black cat on the post at left. The cat has the run of the dog pens, and has gained respect from the hounds, who give her claws a wide berth.

Bowling Has No Season—Employee Activities Prove It

The baseball season comes and goes, football has its day, winter's coldest winds bring on basketball. But bowling goes on and on, recognizing no season, completely oblivious to the time of the year.

Thus it comes as no surprise that recent company bowling news is concerned with the completion of play by one league,

the beginning of a new year by another, the election of new officers during a pause between seasons by two others, competition in a tourna-ment by another, and a story about a young lady who just can't seem to get enough of bowling—she is a member of six leagues.

The league that has just ended play is in Williamson, where a little thing like a major flood was no more than a minor hinderance. The flood came in March and completely ruined the town's new bowling lane. So Williamson Bowling League merely suspended play, season standings and records until the lanes were rebuilt, a period of three months. The A. C.'s took the league title, winning over the Hi-Volts.

The Honors

Individual honors went to, among the men, Jay Runyon for high average of 173, high series of 618 and high single of 235; Joe Cole and Gene Hall as the best sportsmen; and Don Hatfield as the most improved bowler. For the ladies, Charlene Hatfield had high average of 140, Hazel Farris rolled high series of 492 and high single of 194; and Grace Curry was judged the most improved.

At Huntington, the topics of conversation around the office include strikes and spares, averages, sore arms and wild tales. They are the result of the new APCO-Kilowatt Bowling League season, which got under way September 5 at the new Imperial Lanes. Heading the league are Paul Baker, president; Allen Cross, vice president; Dorcas Lindsey, secretary; and Ed Yeager, treasurer.

What's In A Name?

Brightening the telescore at the Ingriting the telescore at the lanes will be the team's names. There are the Comics, captained by Mont Huffman, the Hot Dogs, led by John Donathan; and Homer Smith's team, the Screwballs. The team with the name that has everyone wondering is the Etc.'s captained by Bill Chapman. Dick Steele leads the Electra-Nauts, and Steele leads the Electra-Nauts, and the Atomix, which have finished second the past two years, will be led by Chris Connelly. The Reddy Rollers and the No Volts will be will be captained by Hal Burns and Fred Erwin. Substation has Bill Fred Erwin; Substation has Bill Locke as captain; and the Buzz Bars chose George Akers. It is agreed that the appearance

of the league at Imperial Lanes, with its noise, commotion and smoke, created no problems for the Lanes. Many say it's because the temperature and humidity are controlled by an electric heat pump.

New Officers

Bluefield's league named its new officers, preparatory to launching its season. They are Robert D. Simmons, president; Chester Smith, first vice president; Gail Davidson, second vice president; Robert Gilpin, secretary; and E. E. Fanning, treasurer.

Also electing was the Philip Sporn Plant Bowling League. Members named Cricket Searls, president; Jerry Arnold, vice president; Karl Wiles, treasurer, and Bob Couch, secretary. League play began September 10 with these teams: Athey's Shift, King Pins, Hydravacators, Trippers, Fitzgerald's Colts, Pulverizers, Tennant's Shift, Carroll's Shift, Coal Docks and Misfits. Misfits.

Mishts.

Meanwhile, plant bowlers finished high in the National Industrial Tournament at Dayton, O. According to late word, they tied for 44th place out of a total of 4,712 teams. Members were Sonny Haggerty (588), Pee Wee Wright (686), Bob Gilmore (602), Cricket Searls (568) and Willis Dudding (595). Wright finished 61st in singles, and received a cash award for his 686 series. for his 686 series.

Busy Bowler

That lady in six leagues is Juanita Boggess, wife of D. F. Boggess, Charleston line inspector. This is her third season bowling, and she is at the lanes every night. She bowls in two leagues Monday and one each the rest of the week.

Her first season she averaged 125, the next two it moved up to 142 and 147, and this year she is averaging from 151 to 169. She also rolled a 628 series this summer, highest in the Centennial League and her own personal high.

Juanita bowled in the recent West Virginia State Woman's Bowling Tournament where she tied for fifth in the doubles and placed in all-events. At another tournament in Beckley, she was second in handicap all-events and placed in the team category as well. Already wearing a WIBC shoulder patch for an all-spare game, she recorded another two weeks ago.

What does her husband think about all this bowling? He gives her no argument—he is in three leagues himself.



Coach Larry Beheler visits with some members of the Fieldale swimming team after a practice in the Fieldale pool. The two girls are Ann Shelton and Patricia Williams, the boys are Butch Joyce and Bruce St. Clair. All are children of Fieldale employees.

Fieldale Swimmers Improve Under Larry Beheler's Eye

A few years ago the swimming coach at an eastern university, a man who had produced a large number of team and individual champions in college, AAU, and Olympic competition, admitted to a startled world that he himself did not know how to swim.

did not know how to swim.

Down at Fieldale, Larry Beheler, customer service representative, chasn't yet produced any world champions, but he can swim better than the college coach. Mr. Beheler, since 1957 has been manager and assistant coach of the Fieldale Swim team, and each year

his teams get better and better.

For example, the team has attended AAU Invitational meets in four states, and in one meet finished fourth in a field of 22. Since 1957 the team has entered contestants in the Junior Olympic four years, and won second, third, and fourth places. Mr. Beheler's son was the first from Fieldale to compete in the Junior Olympics.
And this year, Fieldale won first
place in the Henry County Swimming Association, and finished
seventh out of 19 in an Invitational
Meet in Fieldale this year.

That's a good record for a team that, up until a pool was built in Martinsville two years ago, had to go to Roanoke or Danville twice

a week during the winter to practice.

In his six years with the team,
Mr. Beheler has coached two of his own sons; this year he has four

Appalachian youngsters. They are Bruce St. Clair, son of A. L. St. Clair, right-of-way agent; Butch Joyce, son of Earl Joyce, meter reader; Ann Shelton, daughter of B. E. Shelton, groundman, and Patricia Williams, daughter of Mrs. Elaine Williams, cashier.

During the swimming season, Mr. Beheler works with the team an average of three hours a day, and often uses his vacation time to travel with the youngsters to their meets. For this, the only pay he receives is the personal satisfaction derived not from helping the team win, but from teaching them to compete, to work hard, and to persist.

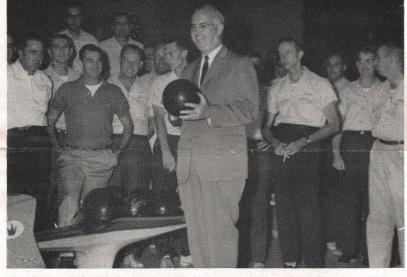
Cabin Creek Vet Dies At 74

A man who joined the company more than four decades ago, and who retired in 1946 died September 16 in Charleston. He was 74. He was David L. Jarrett, who

started work at Cabin Creek in May, 1923. He worked in various jobs at the plant, and concluded his Appalachian career in 1946 as

crane operator.

He is survived by his widow.
Burial took place in Elkview, West Virginia.



Members of the Roanoke bowling league watch D. C. Kennedy, division manager, prepare to roll the first ball to open the 1963-64 season. Officers of the league this year are Marshall Covey, president; Buddy Hubbard, vice president; Tom Barnett, secretary, and Joe Hubbard, scorer.



TOP LEFT: Winning honors in Williamson were, front row from left: Jay Runyon, Roland Staton, Fred Varney and H. D. Hatfield. Back row from left: Jerry Akers, Gene Hall, Hazel Varney, Jo Cole, Charlene Hatfield, Marian Messeri-

an, Hazel Farris, Grace Curry, Millard Phillips, and Don Honaker. TOP RIGHT: Determined his Huntington team is not going to be a bridesmaid again (they finished second the past two seasons), Captain Chris Connelly points to the

place where his Atomix are going to skunk the opposition. BOTTOM LEFT: Leading the B'uefield League will be, from left: Robert Gilpin, secretary; Chester Smith, first vice president; Gail Davidson, second vice president; E. E. Fanning, treasurer; and Robert D. Simmons, president. BOTTOM MID-DLE: This is the ball that sees action in six leagues every week. Holding it here, and rolling it every night, is Juanita Boggess of Charleston. BOTTOM RIGHT: New offi-

Jerry Arnold, vice president; Cricket Searls, president; Karl Wiles, treasurer; and Bob Couch, secre-



Mr. Pettry



Mr. Searls

Four Employees Retire At Cabin Creek Plant

Cabin Creek plant's employment list is not as high as it was. Carmel M. Pettry, guard, and Norman S. Searls, laborer, both took normal retirement October 1. On September 1, Leo G. Samples, boiler maintenance man, and John Moses, tractor

operator, took early retirement due to disability.

Mr. Pettry joined Appalachian in April 1943 as guard at Cabin Creek. A native of West Virginia, he was born at Winifrede, went to school in Montgomery, and lives in East Bank. He has one son. Beyond his hobby of woodworking, and working on his home, he has no definite retirement plans.

Going back to the farm is the

Going back to the farm is the chief aim of Mr. Searls for his retirement years. He also joined Appalachian in 1943, working as laborer and boiler operator. Before joining the company he and his wife worked their farm in Buffalo, West Virginia and that's where West Virginia, and that's where he will live. He served in the Army during the first World War, and enjoys hunting and fishing.

Mr. Samples' Appalachian service began in August 1942 at Cabin Creek, when he started work as a laborer. Two years later he moved up to boiler maintenance man. He is a native of West Virginia, born in Paxton and educated in East Bank. He and his wife are the parents of a son and a daughter, and he will continue to make his home in Chelyan. His retirement was effective September 1.

Also a resident of Chelyan is Mr. Moses. He joined the company at Cabin Creek in 1941, and has worked as a coal and ash operator. He was born in Charleston. He took early retirement because of a heart condition.



Mr. Sample



Mr. Moses

Leif Christopher,

AEP, Retires Leif Christopher, who joined the AEP Service Corporation in 1922, took early retirement on September 1 for reasons of health.

Mr. Christopher was born in Norway in 1899 and studied mechanical engineering there. He came to the United States in 1922 and took a position with the Service Corporation as an engineer in the structural design coefficients. in the structural design section. In 1932 he became an engineer in the valuation department and spent much time with the AEP System's operating companies, making in-ventory studies of their physical

When that department, its work completed, was disbanded in 1947, Leif returned to structural design. In 1949, he was transferred to the materials handling section.



Mr. Huss

W. F. Huss, 48, Taken By Death

W. F. "Fritz" Huss died in Huntington September 14, ap-parently of a heart attack. He was supervisor of the American Electric Power Service Corporation General Laboratory there.

Huss started out with the Windsor plant in 1941, and also worked at the Deepwater plant in New Jersey when it was part of the old AGE system. He later transferred to the laboratory, and when R. G. Call retired in January of this year, Mr. Huss succeeded him as super-

He was a member of the American Society of Lubrication Engineers, American Society of Testing Materials, American Chemical Society, Edison Electric Institute, Chemistry Subcommittee, Ohio River Valley Water Sanitation Commission, and the American Society of Chemical Engineers. He was also an Elk, and a member of St. Paul's Lutheran Church in

Huntington. Mr. Huss was a native of Wheeling, and he is survived by his widow, two sons, his mother, and

Grundy Employee Picked To Attend Scout Program

Eighty scoutmasters from throughout the world attended a training course at Philmont Scout Ranch



Mr. Collins

at Cimarron, New Mexico this summer. One of them was W. T. Colwas W. I. Col-lins of Grundy, the sole repre-sentative from the State of Virginia.

The trip, described as "most unusual

and a high honor" by the Grundy local office supervisor in the Welch district, was awarded to Mr. Collins after a study by the national scouting headquarters of his qualifications and scouting achievements. and scouting achievements.

He has been scoutmaster of Troop 43 for seven years, holds the Scoutmaster's Key and has been cited by the Lonesome Pine Council for his outstanding work.

Council for his outstanding work.

The training course, similar in many respects to a scholarship, included every phase of scouting. He was taught the proper way to prepare for and conduct a hike, fire building, cooking, nature studies, compass work and other subjects. The instruction was in the classroom and in the field. On one hike he saw antelope, elk, buffalo, deer and a bear, and witnessed a genuine Indian dance.

Mrs. Collins. who accompanied

Mrs. Collins, who accompanied her husband, said that both of them saw and did things they would never forget.

September Brings **School Time To** Plant Employees

At Clinch River plant, as everywhere, September means school. Employees of the plant are continuing their remarkable performance in education. Forty-four, for example, have enrolled for a course in industrial electronics at Wash-ington County Technical School, and 28 have resumed training in welding and metallurgy, with em-phasis on electric and heliarc

welding.

The Technical Institute course is 30 per cent lecture and 70 per cent laboratory, during which students apply electronic principles to construct devices. The course is designed to present a detailed study of the application of electronic circuits to industrial use. The welding and metallurgy class

is the latest in a long series of courses held at the plant at night. All have been designed to provide employees with background information to increase job knowledge and form a basis for higher learning in the future. Provious closes have in the future. Previous classes have been basic mathematics, physics, use of the slide rule, basic electric-ity, mechanical blueprint reading, and electrical blueprint reading.



W. S. Kitchen, assistant system safety director, watches closely as two men administer first aid to Shorty, a training manikin. Carter Burnette, Kanawha River plant, performs mouth-to-mouth resuscitation while John Frazier demonstrates the new external cardiac massage technique.

Cardiac Massage Method Is New Life-Saving Tool

Appalachian's safety department has introduced to field personnel a new lifesaving method. It is the external cardiac massage, developed by Johns Hopkins Hospital, and designed to be used in conjunction with mouth-to-mough resuscitation

when heartbeat has stopped.

Medical and safety authorities believe the massage technique will be extremely valuable in the electric utility field for cases of electrical sheets.

shock.

First Appalachian instruction in the new method was given in Charleston for employees from Kentucky Power, Philip Sporn, Glen Lyn, Kanawha River, and Cabin Creek plants, and Charleston and Huntington divisions. The instructor was W. S. Kitchen, assistant, system safety director assistant system safety director. A similar class was held in Roanoke for employees from the Roanoke and Bluefield divisions, Radford Ordnance plant, and Kingsport Utilities. Both classes were

designed to train instructors, who in turn will teach employee groups. Essentially, the massage techbetween the spinal column and the breast bone by applying pressure with the heel of the hand.

Both safety men emphasized that application of this new tech-

E. C. Davis Named To Town Council

E. C. Davis has been appointed to serve on the town council in

Milton, W. Va. He is an enneering aide in the Huntington division. A native of Cabell County, he was employed in the Hunting-ton meter de-partment May 1, 1941.

Mr. Davis is a member of the Methodist Church, Masons, and is active in community projects.



nique calls for extreme care, and should be used only by trained personnel. Improper manipulation could inflict serious injuries to an accident victim, and to avoid any

accident victim, and to avoid any risk, persons learning the massage technique must practice intensively. For the course in Charleston, a special training device was used.

Classes in the new technique have begun in district points, and refresher courses are planned for every six months following completion of the classes.

Hubbard To Fill Computer Post

J. R. Hubbard, head of general accounting machine operations, in Appalachian's system accounting

department, has been named computer opera-tions supervi-sor for the American Electric Power Service Corporation in Canton, Ohio. The move was ef-fective Octo-

fective October 1.

In his new post, Mr. Hubbard bard will supervise the centralized tape oriented 7074 computer operations including the scheduling of these operations. He will work with personnel of the service corporation and subsidiary companies in evaluating the contribution of the and substitute of the computer use to the over-all company operations, and extending its use to all feasible areas.

Mr. Hubbard joined Appalachian Power Company in 1948 as a junior addressorranh operator in Roanoke

addressograph operator in Roanoke. Upon conversion of customer billing to electronic data processing, he was assigned to the data processing section. He has served in his present capacity since November 1961. He was in the Air Force for four

Mr. Hubbard is married and the

Ready For Use



Sparkling new, and ready for occupancy as October began is the 40,000 square-foot addition to the general office building in Roanoke. The big door at the rear

is a covered loading dock; the sidewalk covers im-bedded cable to melt ice and snow, and the interior colors are bright, different, and cheerful.