

LINE MECHANIC RECEIVES PUAV AWARD OF VALOR



J. Robert Davenport (right), Lynchburg division manager, congratulates William Lee Hensley, who received the PUAV Award of Valor.

William Lee Hensley, Lynchburg line mechanic A, last month became the second recipient of the Award of Valor presented by the Public Utilities Association of the Virginias (PUAV).

The Award of Valor will be given to any utility company employee in recognition of resourcefulness and prompt action in an emergency and meritorious service above and beyond the call of duty. PUAV is an organization of investor-owned electric, water, gas, city transit, and telephone companies operating in Virginia and West Virginia or within contiguous states which are a part of the same corporate organization as those in the Virginias.

Hensley received the award for his heroic efforts and disregard of his personal safety in rescue operations at the wreck of Southern Railway's Southern Crescent train on December 3, 1978, in Nelson County, Virginia, which resulted in six deaths and injuries to more than 60 others.

A member of the Monelison Rescue Squad, Hensley was instructed to examine the wreckage for injured persons. Upon entering through a hole ripped in the kitchen car, he heard a scream for help. Trapped between a huge commercial refrigerator and a heavy stove, he found the train's cook, Med Haynes, 37, of Atlanta, Georgia.

The cook's condition was extremely serious — he had two broken legs, several lacerations, and third degree burns on a large part of his body. Hensley, working in a confined space, administered morphine and intravenous injections to the man. While trying to remove the debris surrounding the cook, Hensley discovered the body of a 14-year-old boy, adding to the trauma.

Hensley remained with the injured man during delicate rescue operations in which the car had to be practically dismantled. Cutting torches could not be used because the car's cover was stainless steel. Another rail car rested precariously on top of the dining car, its wheels dangling loose and threatening to drop off at any time, crushing the car in which Hensley was working.

Despite the hazards of the rescue efforts, Hensley, along with other squad members, were able to free the trapped Haynes 12 hours later.

J. Robert Davenport, Lynchburg division manager, said, "We are extremely pleased that Hensley was recognized for this very heroic effort. He was able to apply some of his company first aid training in the rescue operation, but I think he went far beyond that by just simply staying with the injured man until he was sure the man would be saved."

Kimball Glass, captain of the Lynchburg Life Saving and Rescue Squad, who coordinated the rescue efforts at the wreck, had high praise for Hensley. He

stated, "The pressure on Bill was great, but he conducted himself in a very professional manner and did an outstanding job."

Hensley's dedication to rescue work has not waned since the wreck of the Southern Crescent. He graduated in January from the Lynchburg General Hospital's cardiac technician course, certifying him as a cardiac emergency medical technician. He has since become an instructor for parts of the course.

APCO DEFERS NUCLEAR STUDIES

Appalachian Power Company announced last month that it was deferring the completion of its study of the feasibility of building a nuclear power plant in central Virginia.

The company had announced in July 1978 that it was undertaking the first phase of a two-phase, four-year program to investigate the feasibility of undertaking such a project. The current deferral is taking place before completion of the first phase of the study.

John W. Vaughan, executive vice president of Appalachian Power, said that the action was being taken because of the growing number of uncertainties at this time involving the future siting, design, construction, licensing, and operation of nuclear power plants.

At the same time, he emphasized that the deferral did not mean that the nuclear option was being abandoned by Appalachian Power or the American Electric Power System, of which it is a part. "In fact," he explained, "we feel very strongly that the continued development of nuclear generating capacity, to supplement the even greater utilization of coal for electric power production, represents the best and perhaps the only way of meeting this country's energy requirements over the balance of this century."

Vaughan said that, with the deferral of its nuclear activities, Appalachian would now reassess its power supply requirements for the period beginning about 1990 — beyond the needs of the 1980's, which are accounted for by generating capacity now under construction or in the active planning stage — and determine which alternative energy course to follow.

He said that the uncertainties which led to the decision to defer the central Virginia nuclear project studies included questions related to: (a) the siting and licensing of such plants by the Nuclear Regulatory Commission, (b) the possibility of restrictive legislation by the Congress, (c) lack of a decision by Congress in selecting a procedure for nuclear-waste disposal, and (d) recent developments in the nuclear industry, particularly the incident at Three Mile Island and all of the new design and operating requirements for nuclear units that will flow from it.

"All of these factors, when combined, have created a hurdle so high as to make it virtually impossible for us to determine, certainly at this time, the feasibility of siting, constructing, and operating a nuclear power plant in central Virginia — or, for that matter, anywhere else," Vaughan concluded.

He stressed that the nuclear studies could be re-activated readily at that point in the future when it appeared that the uncertainties he had cited had been resolved. "What we have accomplished in our study to date has provided a bank of valuable information that will be most helpful and readily available," he said. "This work so far has resulted in the expenditure of approximately \$3-million, a relatively modest amount in light of the potential cost in excess of \$3 billion associated with nuclear construction. But we look upon this expenditure as an investment in the future because we have faith that the country — both the government and its citizens — will eventually realize the wisdom of the nuclear option and that we will be able ultimately to renew our effort toward that end."

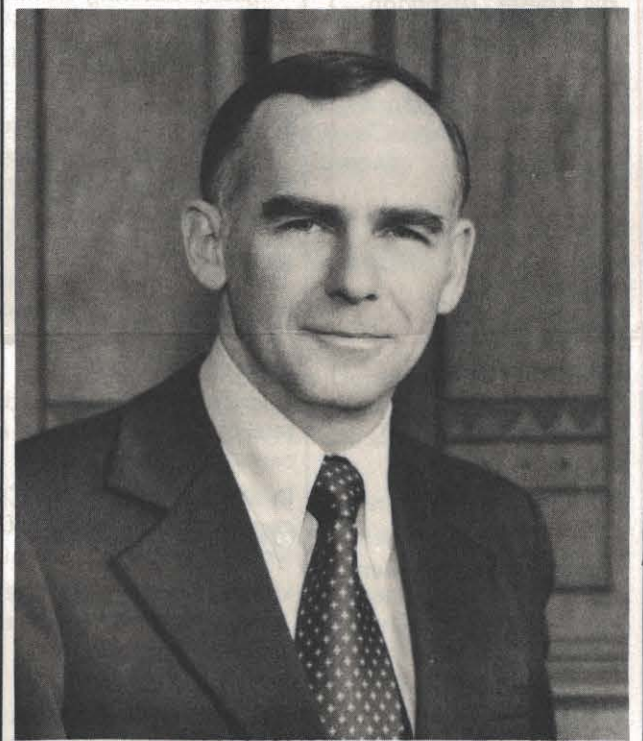
The July 1978 announcement had identified a site on the Tye River in Nelson County as the initial area

to be studied and also had said that the company would begin a screening procedure for other possible sites in the central Virginia region.

Vaughan said, "During the past year we conducted very preliminary physical explorations on the Tye River site as well as a complex screening of some 10,000 square miles of central Virginia. This included areas within the watershed of the James, Roanoke, and Dan Rivers. The screening involved aerial reconnaissance, in-depth map studies, preliminary geological studies, and an evaluation of the engineering, environmental, and sociological impacts of such a plant on the region.

"Nevertheless," he concluded, "in our original announcement, we had said that the two-phase nuclear study could and would be discontinued at any time if we found the project not to be feasible. With the increased uncertainties in the nuclear area at this time, it seems prudent and in the best interests of our customers that our efforts be suspended for the present."

DON DICK ELECTED AEP VICE PRESIDENT



Donald A. Dick, a vice president of Appalachian Power, last month was elected vice president-division operations of the American Electric Power Service Corporation, with offices in Canton, effective October 1.

In his new capacity, Dick will fill a post that had been vacant since mid-1978, when William A. Black, who had first held it, was elected executive vice president and operating head of Indiana & Michigan Electric Company

The Service Corporation is Dick's fourth company during his 24-year career with the AEP System. Dick joined Ohio Power in 1955, worked in Steubenville, Lima, Bucyrus, Fremont and Tiffin before being named an administrative assistant in the company's general office in Canton. He was later appointed manager in Lancaster and, in 1970, was transferred to Wheeling Electric as executive assistant. He was elected its executive vice president in 1975, then a vice president of Appalachian, with offices in Charleston, a year ago.

He holds a bachelor's degree in electrical engineering from Case-Western Reserve University and a master's in industrial management from Massachusetts Institute of Technology, where he was a Sloan Fellow. While in Wheeling, he served as president of the Public Utilities Association of the Virginias.

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To All IEEE Members on the AEP System

The Institute of Electrical and Electronic Engineers (IEEE) plans an election for--among other offices--the President of the Institute. Ballots are to be submitted to Headquarters by about November 15, 1979. I would urge that each of you entitled to vote use this opportunity to exercise your franchise privilege. In these very difficult times, the Institute has an important role to play. You can assist in this regard by voting for the men of your choice.

W. S. White
W. S. White

APPALACHIAN GETS INTERIM INCREASE IN WEST VIRGINIA

Appalachian Power placed into effect September 25 a \$37.7-million increase in retail rates in West Virginia, following an interim order by the Public Service Commission of West Virginia.

The company had filed for a \$61.2-million increase April 27.

The PSC order came after hearings on several "interim issues," including rate of return, fuel increment in the proposed rates, consolidated tax savings, jurisdictional apportionment, and construction work in progress to be included in rate base.

The \$37.7-million annual increase is subject to refund pending final decision of the Commission. The Commission has set further hearings on the case for January 1980.

The Commission granted the company a 10.17% rate of return and a fuel expense increment of 143 cents per million Btu.

In another finding, the Commission allowed the company to include \$160-million of construction work in progress in its rate base.

Under the new rates, the average customer using 1,000 kilowatt-hours of electricity a month will pay \$39.40.

SAVINGS PLAN UNIT VALUES

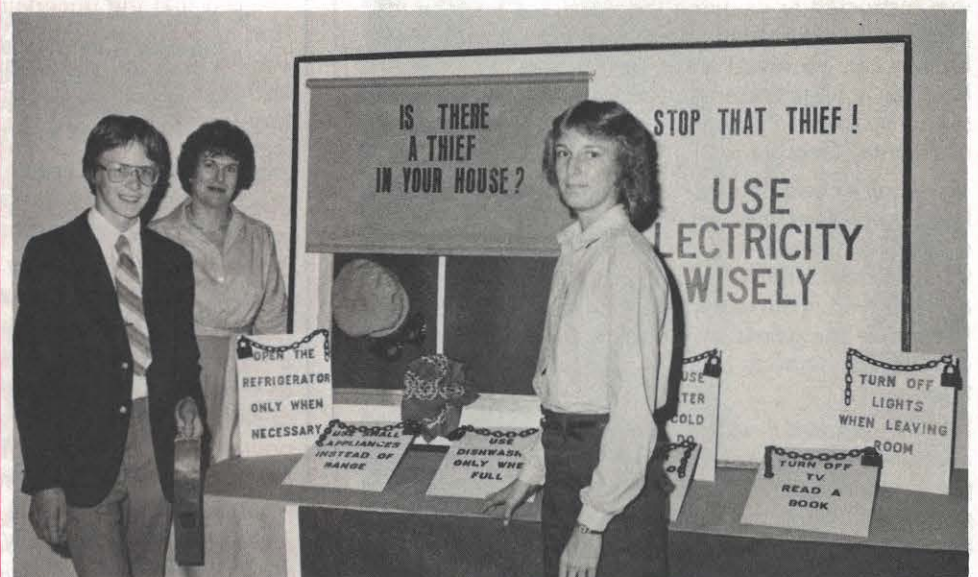
Date	Value Per Unit	Units Credited Per Dollar
Fixed Income Fund		
1/31/79	1.0846	.9219
2/28/79	1.0912	.9164
3/31/79	1.0987	.9102
4/30/79	1.1060	.9042
5/31/79	1.1136	.8980
6/30/79	1.1209	.8921
7/31/79	1.1286	.8861
8/31/79	1.1363	.8800
Equity Fund		
1/31/79	1.1920	.8389
2/28/79	1.1582	.8634
3/31/79	1.2241	.8169
4/30/79	1.2278	.8145
5/31/79	1.2066	.8288
6/30/79	1.2577	.7951
7/31/79	1.2705	.7871
8/31/79	1.3494	.7411
AEP Stock Fund		
1/31/79	1.0355	.9657
2/28/79	1.0153	.9849
3/31/79	1.0167	.9836
4/30/79	1.0108	.9893
5/31/79	0.9784	1.0221
6/30/79	1.0267	.9740
7/31/79	1.0383	.9631
8/31/79	1.0105	.9896



The Central Machine Shop and Bluefield Division were awarded Executive Vice President's Certificates of Excellence following safety audits recently. To receive certification, an overall rating of 3.5 must be established and the location's incidence index must be lower than the AEP index for a designated period. The Central Machine Shop scored 3.94 during the safety audit of July 30-August 1. Their incidence index was 0.121 compared with the AEP rate of 0.377 for the period July 1, 1978, through June 30, 1979. Bluefield Division received an average grade of 4.37 during the safety audit of August 13-17. Their incidence index was 0 compared to the AEP rate of 0.377 for the period July 1, 1978, through June 30, 1979. Pictured at the award ceremony are, l. to r., Andrew R. Zagayko, assistant manager, Central Machine Shop; John W. Vaughan, executive vice president, Appalachian Power; and McKinley Cornett, division superintendent, Bluefield.



Employees of Kanawha River Plant were treated to a luncheon recently in recognition of having reached 500,000 consecutive safe workhours. The record for these employees began August 31, 1977, and was reached on July 9.



Guided by Margie Cahill, Roanoke residential representative and 4-H group leader, the Blue Ridge 4-H Club's exhibit on wise use of electricity won two first place awards in recent competition. The exhibit took top honors in the 17-county West Central District competition and was judged best overall exhibit in the Virginia 4-H Electric Congress, Richmond. Tracey Wills, a 10th grader at Patrick Henry High School, and Chuck Hemker, 10th grader at Cave Spring High, both members of the Blue Ridge 4-H Club, displayed the exhibit in Richmond. Each were awarded a wrist watch and blue ribbon for their achievement in the 4-H electric project. From left, Hemker, Cahill and Wills.

KPCO CUSTOMERS RANK FIRST IN ELECTRICITY USE

The average residential customer of Kingsport Power Company in 1978 used more electricity than his counterpart in any other investor-owned utility in the United States.

The average usage in Kingsport last year was 17,077 kilowatthours, down 2 percent from 1977 but still almost 10 percent higher than the runner-up company, Nevada Power Company, at 15,557 kwh. Kingsport Power, in fact, was the only "eastern" utility in the Top 10, which was dominated by suppliers in the Pacific Northwest and the Deep South.

The Leaders

	Kwh
1. Kingsport Power Company	17,077
2. Nevada Power Company	15,557
3. Puget Sound Power & Light Company	15,436
4. Washington Water Power Company	14,878
5. Houston Lighting & Power Company	14,734
6. Louisiana Power & Light Company	14,063
7. Idaho Power Company	14,008
8. Portland (Ore.) General Electric Co.	13,459
9. Gulf Power Company	13,342
10. Texas Electric Service Company	13,027

For comparison purposes, the average usage on the entire American Electric Power System last year was 10,384 kwh, while the average for Appalachian Power Company was 10,611 kwh.

AMOS PLANT SITE OF PROJECT PROBE



J. B. (Ben) Austin (center), professor of mechanical engineering at Bucknell and two Probers collect bottom ash samples during a test at Amos Unit 1.

Most of them had never worn hard hats and safety glasses before, but then again, they had never spent 12 weeks working inside a power plant before. For the 15 senior mechanical engineering students from nine universities who participated in AEP's 17th annual Project Probe this summer, working at John E. Amos Plant, largest major steam-electric generation station on the AEP System, was a novel experience all around. It was their first "hands on" experience in the power industry.

The students spent much of their time conducting a series of short-cut heat rate tests at Amos Unit 1 as well as efficiency tests on some of the major plant equipment, including boilers, turbines, generators and condensers. In addition to this group approach to problem-solving, the Probers were also responsible for individual investigations and reports requiring independent study and research.

While they considered the Amos Plant as their home base, the students made several "off-campus" field trips during those 12 weeks. They toured the AEP System Production & Control Center in Canton, Ohio — the computerized nerve center that monitors and controls the generation and dispatch of AEP's 19 million kilowatts of power across its seven-state service area. They visited the Babcock & Wilcox Company plant in Barberton, Ohio, where B&W builds its giant steam generators for power plants, including most of those on the AEP System.

The Probers also got acquainted with the "Big Muskie" dragline, the world's largest land machine, used by the Central Ohio Coal Company in its extensive surface coal mining-reclamation operations.

This year's Project Probe was under the direction of two professors of mechanical engineering: J. B. Austin, Jr. of Bucknell University and Lewis F. Hicks of Ohio University. P. J. Calderone, senior engineer in the AEP Service Corporation's Plant Engineering Division in Canton, and performance engineering personnel at the Amos Plant furnished overall supervision and coordination.

APCO PLANTS HAVE LOWEST HEAT RATE

In the production of steam-electric power, the lower the heat rate, the greater the generating efficiency.

For 1978, the bad news is that only seven multi-plant generating companies in the entire U.S. electric power industry were able to achieve a heat rate below 10,000 Btu's per kilowatthour. That's the lowest such number (in 1977 there were 11) since the AEP Treasury Department's Financial and Regulatory Reports Division began assembling such figures over a decade ago.

The good news is that the American Electric Power System's Appalachian Power Company topped the list of those that made it. Its five steam plants last year had a combined heat rate of 9,450 Btu's per kwh, against 9,418 Btu's in 1977, when the company also ranked first among the multi-plant utilities.

Also among the seven achievers were third-place Ohio Valley Electric Corporation at 9,555 Btu's (AEP designed its two plants) and AEP's Ohio Power Company, in fourth at 9,857. Indiana & Michigan Electric Company, which saw its heat rate rise to 10,082 Btu's last year, nonetheless still ranked 13th in the country.

The Top 7

(Multi-Plant Companies) Btu/kwh

1. Appalachian Power Company (AEP)	9,450
2. Duke Power Company	9,454
3. Ohio Valley Electric Corporation	9,555
4. Ohio Power Company (AEP)	9,857
5. Holyoke Water Company	9,870
6. Public Service Company of Oklahoma	9,942
7. South Carolina Electric & Gas Co.	9,978

Among the nation's utilities operating a single power plant, three of them, including AEP's Kentucky Power Company with its Big Sandy Plant, recorded 1978 heat rates below 10,000 Btu's.

Canal Electric Company, at 9,368 Btu's, ranked first; Kentucky Power, at 9,809, was second, and Southern Electric Generating Company (subsidiary of Southern Company), 9,943, was third.

Only one steam plant — the Tennessee Valley Authority's Bull Run Plant — was able to register a heat rate under 9,000 Btu's last year. Its No.1 effort was 8,830 Btu's per kwh.

Four AEP System plants made the Top 10 in generating efficiency, three of them Appalachian Power stations. Indiana & Michigan Electric Company's Breed Plant ranked fifth; Appalachian Power's Clinch River Plant was sixth, and the John E. Amos and Philip Sporn Plants, jointly owned by Appalachian and Ohio Power, were ninth and tenth, respectively.

The Top 10

Btu/kwh

1. Bull Run (TVA)	8,830
2. Marshall (Duke Power Company)	9,000
3. Belows Creek (Duke Power Company)	9,020
4. Bay Shore (Toledo Edison Company)	9,318
5. Breed (I&M — AEP)	9,336
6. Clinch River (Appalachian — AEP)	9,340
7. Morgantown (Potomac Electric Co.)	9,354
8. Canal (Canal Electric Company)	9,368
9. John E. Amos (Appalachian & Ohio Power — AEP)	9,430
10. Philip Sporn (Appalachian & Ohio Power — AEP)	9,431

HOW AEP COMPARES WITH OTHER INVESTOR-OWNED UTILITIES

How does the American Electric Power System stack up in the investor-owned electric utility industry?

The answer is that it all depends on the yardstick being used. AEP ranks anywhere from first in electric generation (see the September issue of *The Illuminator*) to seventh in the number of customers it serves.

Statistics for 1978 operations by the nation's investor-owned utilities, compiled last month by the Financial and Regulatory Reports Division of the AEP Service Corporation's Treasury Department, show the following:

Generating Capability — 12-31-79

	Megawatts
1. Southern Company	23,356
2. AEP SYSTEM	18,751
3. Commonwealth Edison Company	17,865
4. Texas Utilities	15,932
5. Pacific Gas & Electric Company	15,174
6. Southern California Edison Company	14,709
7. Middle South Utilities	12,896

Sales Of Energy

Millions of kilowatthours

1. Southern Company	87,035
2. AEP SYSTEM	85,932
3. Commonwealth Edison Company	64,041
4. Southern California Edison Company	57,027
5. Pacific Gas & Electric Company	56,136
6. Texas Utilities	53,234
7. Houston Lighting & Power Company	50,276

Peak Demand

Megawatts

1. Southern Company	18,173
2. AEP SYSTEM	15,399
3. Commonwealth Edison Company	13,720
4. Pacific Gas & Electric Company	12,971
5. Southern California Edison Company	11,997
6. Texas Utilities	11,548
7. Middle South Utilities	9,780

Operating Revenues

Millions

1. Pacific Gas & Electric Company	\$3,433
2. Consolidated Edison Company	3,011
3. Southern Company	2,907
4. Commonwealth Edison Company	2,443
5. AEP SYSTEM	2,389
6. Southern California Edison Company	2,329
7. Public Service Electric & Gas Co.	2,220

Net Earnings

Thousands

1. Pacific Gas & Electric Company	\$318,247
2. Consolidated Edison Company	266,191
3. Commonwealth Edison Company	254,053
4. AEP SYSTEM	236,331
5. Southern California Edison Company	202,226
6. Southern Company	201,568
7. Texas Utilities	200,738

Total Assets

Millions

1. Southern Company	\$9,866
2. Pacific Gas & Electric Company	8,502
3. AEP SYSTEM	8,063
4. Commonwealth Edison Company	7,924
5. Consolidated Edison Company	6,831
6. Southern California Edison Company	6,058
7. Public Service Electric & Gas Company	5,519

Customers (Electric)

Thousands

1. Pacific Gas & Electric Company	3,270
2. Southern California Edison Company	2,987
3. Commonwealth Edison Company	2,875
4. Consolidated Edison Company	2,700
5. Southern Company	2,473
6. Florida Power & Light Company	2,032
7. AEP SYSTEM	1,977

POWER PEOPLE MAKING NEWS

Abingdon



Catherine Lynn Cook, daughter of J. L. Cook, station mechanic B, and a fourth grader at Abingdon Elementary School, is already an "old pro" when it comes to beauty contests. She was second runner-up in the 1978 "Little Miss Spring" beauty pageant and fourth runner-up this year in the "Junior Miss Washington County" competition. In the past three years she has been awarded 20 trophies, including queen and Miss Personality awards. Catherine Lynn is co-captain of the Moose Midget League softball cheerleaders and won a first place cash award in the creative writing contest sponsored by the Virginia Highlands Festival.

Bluefield



Daniel Farley, son of Tazewell Area Supervisor Clyde Farley, was presented a "Club Honor Key" by the Princeton Civitan Club. The award, highest that can be given by a local club and presented for the first time by the Princeton Civitans, was in recognition of his work over the past years and for outstanding leadership

and service. Farley also received a fruit cake sales award for selling over 500 pounds of fruit cake in 1978, a new member award for sponsoring 36 new members into Civitan during 1978-79, and a commemorative tankard in appreciation for his work in the Princeton Club during the past year. Farley, who is Civitan Governor, West Virginia District, conducted an initiation ceremony for new members.

Robin and Pam Farley were selected as captain of the Princeton High School cheerleaders and member of the Princeton Junior High School cheerleaders, respectively. They are the daughters of Robert Farley, Bluefield engineer B.

John Vermillion, meter superintendent, and his wife **Helen** were elected associate patron and associate matron, respectively, of Bluefield Chapter 66, Order of the Eastern Star.

Charleston



Donald Griffith, son of Line Superintendent R. R. Griffith, tied for the 1979 West Virginia state chess championship. He was also elected president of the state chess organization.

Donald A. Dick, Appalachian Power vice president, and **Nick Roomy**, GO executive assistant, were elected to the board of directors of the West Virginia Chamber of Commerce. Roomy was also elected a trustee of the Ohio Valley Improvement Association.

General Office

A. Q. Croy, distribution engineer senior, GO T&D Engineering, Roanoke, was elected general chairman of the Lions Club of Virginia for 1979-80 at a Governors Council in Montreal, Canada.

Kathy Legans, junior stenographer, GO Accounting, Roanoke,

was a member of the Roanoke Swingers football team which had a 14-7 record going into the playoffs and won the championship 13-8.



Kelly Lynne Maxey, daughter of M. E. Maxey, property representative senior, GO Land Management, Roanoke, was selected for inclusion in "Who's Who Among American High School Students". A senior at William Byrd High School, Vinton, Kelly is captain of the band letter squad, president of the French Club, and member of the French National Honor Society and Beta Club. She has lettered in both the Letter Squad and Beta Club.

Teresa West, daughter of Helen West, personnel assistant senior, was selected a varsity cheerleader for William Byrd High School's "Big Orange" squad. She will cheer for basketball and wrestling during the 1979-80 season.



Joyce White won 1st place, ladies singles; 2nd place, ladies doubles; and 1st place, mixed doubles, in the Poindexter Tennis Tournament.



William White, Jr. received a trophy as "most improved player" at the Frankie Allen Basketball Camp. They are the wife and son, respectively, of William White, accounting staff assistant senior, GO Ac-

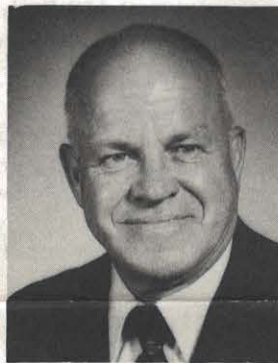
counting, Roanoke.

Elizabeth Barksdale, secretary-stenographer, GO T&D, Roanoke, was elected first vice president of Ruffner Junior High School PTA. She attended a three-day training conference at Virginia Polytechnic Institute and State University.

Glen Lyn

George William Evans, son of George L. Evans, performance engineer senior, is now a certified public accountant after acquiring the required experience. An internal auditor for Continental Financial Services of Richmond, Virginia, George passed the CPA examination following graduation from Concord College in 1976.

Huntington



B. W. Hunt, Jr., customer accounts assistant, was elected president of the Tri-State REACT (Radio Emergency Associated Citizens Teams) Group C-453.

Administrative Assistant **Dick Roush** was selected as Jaycee of the Month and Jaycee of the Quarter by the Huntington Jaycees.

Division Manager **F. O. Helm** was elected to the board of directors of the Huntington-Cabell County Chapter, American Red Cross.

Kingsport



Meter Electrician **Bob J. Stewart** has been promoted to sergeant major (E9), the highest non-commissioned rank in the Marine Corps. A

member of the Marine Reserves for 23 years, Bob was one of only 80 sergeant major promotions in the entire Marine Reserve.

Carolyn Gibson is serving as newsletter editor for the Southwest Virginia-East Tennessee Home Economics Association.

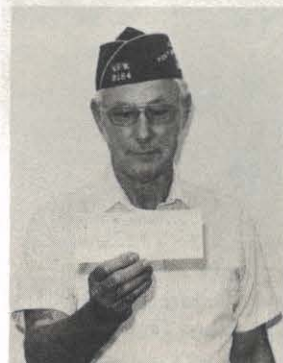
Servicer **H. Ralph Morrison**, president of the Kingsport Shrine Club, attended the Southeastern Shrine Association convention in New Orleans. The Kingsport Marching Patrol won second place in marching competition, perfect score on inspection of the unit, and first place in total crowd appeal.

Steve Kilgore, son of Engineering Technician Carl Kilgore, was named a starter for the King College baseball team. This will be his third year of play for King.

Logan-Williamson

Jeffrey Taylor, son of Division Manager Floyd H. Taylor, Jr., was accepted as a trombonist in the West Virginia University Symphony Orchestra, based on an audition.

Lynchburg



George R. Gillette, collector, was selected as All State Quartermaster by the Department of Virginia's Veterans of Foreign Wars. He was one of 17 persons selected for the honor out of 140 posts represented.

James W. Dalton, Jr., son of James W. Dalton, station mechanic A, was awarded a trophy for winning first place in the Madison Heights Dixie Youth Baseball League. He played for Craddock-Terry, which won the title for the third consecutive year.

A slow pitch softball team composed of Lynchburg employees came in fifth in a 16-team, double elimination tourney in Madison Heights.



Anne Marie Dorman, 11-year-old daughter of James R. Dorman, engineering technologist, was selected to participate in the Odyssey program for gifted students in Campbell County Schools. She is a sixth grader at Brookville Middle School.

Mountaineer Construction



Anastasia Shuler, daughter of John Shuler, civil construction assistant I, won first place in the 6-12 months age group in the pretty baby contest at the Meigs County Fair.



Amy Patricia Young, daughter of Edward Young, civil construction assistant I, won first place in the 12-18 months age group in the pretty baby contest at the Meigs County Fair.

Pulaski



Gress
P. T. Gress, commercial representative, was elected high priest of Pulaski Royal Arch Chapter No. 39, A.F. & A.M. Retiree **O. B. Kidd** was elected principal sojourner.

L. L. Bucklen, Wytheville residential representative, was reappointed to the VFW national membership committee.

C. A. Schmidt, Christiansburg customer accounting supervisor, was appointed chairman of the Lay Evangelism Witness Program in the Highlands Baptist Association.

New officers of the Pearisburg Employees Benevolent Association are: **D. M. David**, area supervisor A, president; **J. L. Dunn**, T&D clerk A, vice president; and **H.S. Compton**, engineering technician senior, secretary-treasurer.

Roanoke



Todd Joyce, son of Fieldale Meter Reader Jerry Joyce, was a member of the Sanville Ruritan Club T-Ball team, which won the T-Ball championship in the program sponsored by the Henry County Parks and Recreation Department.

Meter Superintendent **Dave Bush** was a member of the Virginian fast pitch softball team which placed third in the Virginia Fast Pitch "class A" state tournament. The team also placed third in the Roanoke Star City Tournament and second in the Petersburg, W.Va., Invitational Tournament.



Cheryl Stone, daughter of Lin A. Stone, Jr., Fieldale customer service representative, was selected for inclusion in "Who's Who Among American High School Students". A senior at Fieldale-Collinsville High School, she is president of the Future Homemakers of America, member of the Cavalier yearbook staff and Student Cooperative Association and treasurer of the Fairstone Teen Camping Club.

Ted Greer, line mechanic D, was appointed to a three-year term on the Patrick County Planning Commission.

John M. Wright, customer service supervisor, is serving a one-year term on the board of the Roanoke Valley Chapter Diabetes Association.

Dwayne Ingold was appointed records clerk of the Grandin Brandon Ward Church of Jesus Christ of Latter Day Saints.

FRIENDS WE'LL MISS



Billy Joe Brumfield, 51, line crew supervisor NE in Logan-Williamson Division, died August 21 after an extended illness. A native of Leet, West Virginia, he began his career in 1955 as a lineman A in Logan and had been on long term disability leave since July 1978. Brumfield is survived by his widow Patsy, 306 Justice Avenue, Logan, West Virginia; two daughters and one stepdaughter.



Marion M. Miller, 87, retired Abingdon groundman, died August 20. A native of Johnson County, Tennessee, he began his career in 1928 at the Holston River Power Company, a predecessor of Appalachian and retired March 31, 1956. Miller is survived by three daughters and four sons.



Norma Jean Harbour, 47, Point Pleasant customer accounting supervisor in Huntington Division, died August 28. A native of Milton, West Virginia, she began her career in 1958 as a junior contract clerk in Huntington. Harbour is survived by her parents and one brother.

Clyde Marcum, 53, custodian at Williamson in Logan-Williamson Division, died September 5. A native of Hardy, Kentucky, he began his career in 1975 and had been on long term disability leave since September 1978. Marcum is survived by his widow Emma, Route 2, Box 17, Hardy, Kentucky; two sons and one stepdaughter.



Charles Perry
"Snake" Bailey, 82, retired Pulaski electrical engineer, died September 10. A native of Mercer County, West Virginia, he began his career in 1929 as a salesman and retired March 1,

1962. Bailey is survived by his widow Mary, 45 Tropical Drive, Ormond Beach, Florida; one daughter and three grandchildren.



Howard C. Mathews, 78, retired Charleston meterman A, died September 11. A native of Marmet, West Virginia, he began his career in 1923 as an electrician helper and retired July 1, 1964. Mathews is survived by his widow Lillian, 213 Lovell Drive, Charleston, West Virginia; a son and a stepdaughter.

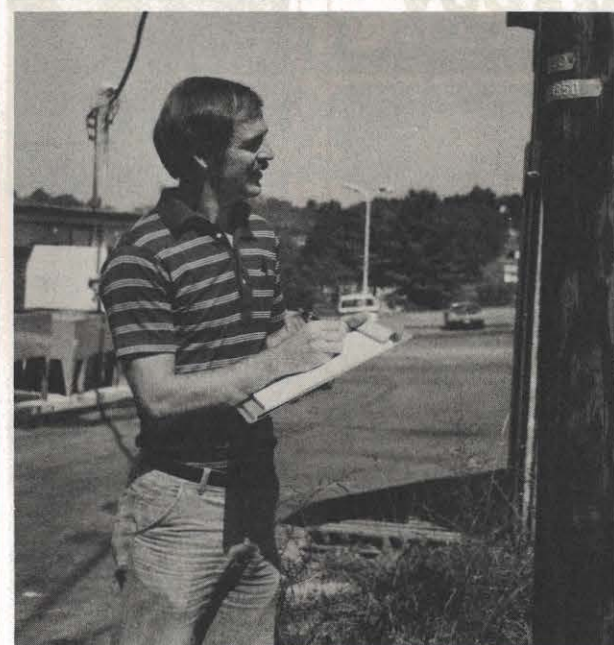


Dwight C. Oliver, 61, Philip Sporn Plant tractor operator, died September 17. A native of Muskingum County, Ohio, he began his career in 1947 as a laborer at Ohio Power's Philo Plant. Oliver is survived by his widow Kathryn, 127 Mulberry Avenue, Pomeroy, Ohio; a son and a daughter.



Emory C. Brown, 81, retired Bluefield station man A, died September 22. A native of Oakvale, West Virginia, he began his career in 1934 as a substation mechanic at Switchback and retired January 1, 1963. Brown is survived by his widow Dolly, Route 2, Box 596, Princeton, West Virginia; two sons, two daughters, two stepsons and two stepdaughters.

HICKS HELPS STRANDED COUPLE



Barry Hicks, engineering technician at Hillsville in the Pulaski Division, assisted a couple whose car broke down on the interstate highway near the town. When the couple returned home to Fort Wayne, Indiana, a letter of praise for the action of Hicks and several other local citizens, was sent to the editor of *The Carroll News*.

"My family and I recently passed through the hamlet of Hillsville, Virginia, on our vacation, and I wanted to comment on the natural beauty of your area. My comments are not on the breathtaking views of fog shrouded hills and scenic valleys, even though this beauty is the envy of other regions.

"My thoughts turn to the beauty of the people who live there. Though you are justifiably proud of your Miss America, I speak of inner beauty; of being helpful, of compassion, of friendliness.

"Returning home from vacation, our car broke down on the interstate highway near Hillsville. Barry Hicks passed on the interstate and, seeing that we had problems, took the time and trouble to double back to see if he could help. This help involved driving me into Hillsville, recommending a repair garage, and introducing me to the owner, Bert Coleman.

As soon as a wrecker was available, Mr. Coleman had us towed in and the problem analyzed. Upon determining that a replacement part would not be available until the next morning, he took the time to see that our family was put in a clean and comfortable room at the Knob Hill Motor Lodge.

"Knowing that we were without transportation, Billy Smythers went out of his way to see that we got to the motel, recommended a place to eat nearby and even came back the next morning and returned us to Bert's Garage.

"We were amazed at the concern and hospitality when Mr. Hicks stopped by the motel that evening to see that everything was all right.

"The next morning Bert's competent mechanics, Lynn and Wayne, repaired our car in first class condition. To the credit of Mr. Coleman, this work was done professionally and the charges were very fair. We were soon back on the road for home.

"I hope the citizens of Hillsville realize what a wonderful community they have, and where their real natural beauty lies. We will always have a fond feeling for Hillsville and pleasant memories of an occasion that, under different circumstances, could have been a nightmare."

SYSTEM COUPLES MARRY



Patty A. Christy to **Timothy W. Jividen**, utility helper, General Office Operations, Turner, August 18.



Pamela McClure, daughter of George T. McClure, Huntington customer service representative, to **William C. Stumbo**, August 25.



Karen Jeanette Jones, daughter of Ralph S. Jones, Pulaski line crew supervisor NE, to **M. Allan Hall**, September 1.



Deanna J. Schilling, daughter of Robert J. Schilling, Kanawha River Plant equipment operator, to **James Whitley**, August 11.



Barri Barringer to **Mark A. Westfall**, Point Pleasant line mechanic C in Huntington Division, September 7.



Selina Kaye Darbyshire to **Ronald K. Horne, Jr.**, son of Ronald K. Horne, engineering technician in Logan-Williamson Division, September 7.



Kimberly Ann Lane to **M. David Andrews**, Bluefield tracer, August 18.



Sharon Young, daughter of James E. Young, Charleston garage supervisor, to **Randell W. Sheets**, August 31.



Debra Lynn Laumann to **James W. Kiser**, son of James H. Kiser, Bluefield station mechanic A, September 1.



Theresa Marie Parkulo to **Michael Anthony Smolder**, son of James P. Smolder, Charleston engineer B, August 25.



Carolyn Sue Griffith, Beckley junior clerk, to **Dennis E. Akers**, August 25.



Mary Kathryn Fanning, daughter of E. E. Fanning, Bluefield building supervisor, to **George W. Damon III**, August 18.



Connie Jean Fleshman, daughter of W. Russell Fleshman, Glen Lyn Plant stores attendant senior, to **Timothy Ray Shrader**, August 25.

Phyllis Savage, division station mechanic B in Logan-Williamson Division, to **Gregory A. Elliott**, July 28.

Eugenia Lynn Breedon to **Raymond T. Carroll**, Amos Plant performance engineer, July 28.



Deborah Frances Crawford, daughter of Everette Crawford, Pulaski general line supervisor, to **Charlie M. King, Jr.**, August 11.

Linda M. Moore to **Donald E. Craddock**, Amos Plant control technician junior, August 17.

Autumn Schlegel to **John Mazurek**, Amos Plant performance engineer, September 1.

Kimberly Ramey, daughter of Randall Ramey, Huntington meter reader, to **Kenneth Edward Powers II**, August 11.

Toni M. Nichols, Roanoke clerk, to **George R. Roseberry**, September 1.

Marial Lea Newhart to **Fred E. Baker**, Philip Sporn Plant equipment operator, August 19.



Okie and Eunice Kidd were honored on their 50th wedding anniversary with a reception given by their children in the Masonic Temple, Pulaski. The Kidds, who were married August 19, 1929, in Martinsville, Virginia, have five children, 15 grandchildren and two great-grandchildren. Okie retired on December 31, 1965, as area supervisor A in Pulaski. His brother, the late C. A. Kidd, was a line foreman in Christiansburg. Another brother, B. N. Kidd, is area service restorer in Christiansburg. A son, J. R. Kidd, is area supervisor A in Galax.

BABY PARADE

John Amos Jessica Hope, daughter of **Ronnie C. Harper**, maintenance mechanic B, August 2.

Christopher Alan, son of **Dempsey D. Casto**, coal equipment operator, August 8.

Tracy Elizabeth, daughter of **Darrell C. Stone, Jr.**, maintenance mechanic B, August 14.

Patrick Joseph, son of **Edward G. Rushbrook**, maintenance mechanic B, August 28.

Beckley Jason Wayne, son of **L. E. Pritt**, Oak Hill line mechanic C, September 1.

Bluefield Joshua Bryson, son of **Stacey Havens**, line mechanic D, August 17.

Central Machine Shop Andrea Nicole, daughter of **Stephen L. McNeely**, winder 1st class, September 10.

General Office Amy Marcell, daughter of **James A. Bethel**, reproduction machine operator, September 6.

Glen Lyn Gary Edward, son of **Bernard Wayne Fink**, utility operator, August 15.

Kingsport Stephen Eugene, son of **E. E. Fields**, engineering technician senior, August 15.

Logan-Williamson Daniel Lewis, son of **Donald Roer**, Williamson custodian, August 20.

Mountaineer Construction Brad Allen, son of **Jerry W. Davenport**, construction technician C, August 31.

Nathaniel J., son of **Dale E. Sisson**, receiving/shipping inspector II, August 26.

Pulaski Felicia Marie, daughter of **D. F. Taylor**, line mechanic D, August 27.

Philip Sporn Jesse Edward, son of **William E. Plantz**, auxiliary equipment operator, July 31.

Patrick Eugene, son of **Earl R. DeWees**, maintenance mechanic C, July 30.

Andrew Harrison, son of **Danny Robinson**, maintenance mechanic A, June 21.

Wesley David, son of **Montie R. Sanders**, utility operator, June 10.



Mannie and Georgia Everett were honored on their 50th wedding anniversary with a reception given by their three children, all of Philadelphia. Mannie, retired Lynchburg custodian, and Georgia were married in Amherst County, Virginia, on August 28, 1929.

COLLEGE GRADS

Libi Rowland Trail, daughter of C. K. Rowland, Marion customer accounting supervisor in Abingdon Division, graduated from the Medical College of Virginia/Virginia Commonwealth University as a family nurse practitioner. She received an associate of science degree from Wytheville Community College.

Jo Ellen Hensley, wife of W. Kim Hensley, Logan-Williamson electrical engineer, graduated from West Virginia University with a bachelor of science degree in electrical engineering.



David E. McFaden, Lynchburg engineering technician assistant, graduated from Central Virginia Community College with an associate degree in applied science electronics technology.

MILDRED DOWDY RETIREES EARLY



Mildred Dowdy, private secretary senior in General Office Executive, Roanoke, elected early retirement September 1. She had been on long-term disability leave since July 1975.

Mildred recalls, "I previously worked for the Norfolk and Western Railway, resigning in September 1946. The following April I was having lunch with Elizabeth Bosang (retired private secretary senior) and mentioned to her that I was getting tired of sitting at home and was going job hunting. Elizabeth told me there was an opening at the Purchasing Department at Appalachian and suggested I come in and talk with Mr. Gardner. I went and filled out an application in his office. He talked with me a little while and asked me to come to work the following week."

She continues, "I thought I would have to call Mr. Gardner back and tell him I couldn't take the job because my husband Shannon hit the ceiling when I told him I was going back to work. When I told my daddy I was going to work for Appalachian, he didn't seem overjoyed because I came from a railroad family and he wanted me to go back to the N&W. But he said, 'Honey, next to the railroad I guess it's about the best company in town'."

Mildred adds, "I have never regretted leaving the railroad because I always believed every promotion I got there was because of my daddy. He was well known at Appalachian, but I didn't have anyone to help me that much as far as promotability. I had to earn that on my own."

"I thoroughly enjoyed my time at Appalachian. I had good bosses and they have certainly been patient with me. I couldn't have found a better company."

Mildred continues, "I remember working for Mr. U. K. Vaught (retired purchasing and stores director). He was the most interesting person. He used to tell me about things that happened in Hazard, Kentucky. In fact, a lot of times I couldn't get my purchase orders typed because of the interesting stories he used to tell me. I stayed in Purchasing for four years. Then Curtis Roberson came in the office one day and told me that the secretary in the executive office was leaving and he wanted me to replace her. I was a little leery of the job because I really didn't know that much about the company, but I decided to give it a try, thinking if it didn't work out I could always go back to Purchasing."

"When Mr. Funk retired as vice president and general manager and became a consultant to the company, Elizabeth Bosang continued as his secretary. Mr. Furr then became vice president and general manager, and I became his secretary."

During her years in the Executive Office, Mildred worked for R. E. Hodges, Joe P. Gills, W. S. White, Jr., and John Vaughan. "I had to do a lot of adjusting. It was mighty hard not to say 'we used to do it this way'. I had to be awful careful because no

boss likes to be told the way it used to be done. All of the bosses were different but they were all good to me."

She adds, "I remember once when Mr. Furr came out of his office and told me to pick up the phone and take dictation from Philip Sporn. You talk about somebody's heart beating fast! I had heard about Mr. Sporn but couldn't have talked to a sweeter person. He was just as sweet and kind as any person could be. From then on I was never scared of him."

Mildred concludes, "It is awful hard to say goodbye to people you have enjoyed working with and people that you love. I'm looking forward, though, to being with the retired employees. I understand they have a wonderful time."

Active in the Grandin Court Baptist Church, Mildred works with the Sunday School class, the senior citizens group and helps with baptismal services. "I'm trying to learn how to play bridge. I also enjoy sewing and crocheting, and I have developed an interest in plants. I never had time to do things like that before. I also enjoy cooking. Shannon and I don't care much about traveling. We have a lot of friends here. I'm not a musician, but I enjoy playing the piano. If I had to give up anything in the house, the piano would be the last thing to go."

PARSONS WHITTLES AWAY HIS TIME



A wood carving set received as a Christmas gift from his daughter in 1977 started Paul Parsons on a hobby which has provided many hours of pleasure as well as many beautiful decorations for his home.

With no prior training, Paul, retired Charleston personnel assistant, started out with some straight line pieces just to get experience. He has completed 35-40 carvings and is now doing relief carving to give depth to his work. Some of his handiwork has been given to members of his family, close friends and his pastor.

Paul says, "A normal carving takes from six to eight hours to complete, but I don't just sit down and work on one until I finish it. I work a little at a time, do some staining or painting, and do something else for a while. I come back to carving when I get the urge. I'm not trying to make a business out of it but just do it strictly for pleasure."

His wife Margaret, who retired from an insurance company, enjoys tole painting and spends many hours on seed art. She, too, gives most of her work away as gifts.

Paul and Margaret also enjoy a lot of activities together. Paul is property chairman for the First Presbyterian Church in Dunbar, and the couple has reseeded the lawn and planted shrubs at the church. Margaret is circle chairperson and vice president of the women of the church. They play golf twice a week, babysit for grandchildren, and care for vegetable and flower gardens.

Since their retirement in 1977, Paul and Margaret have been to Florida and Hawaii and are planning a trip to Greece, Egypt and the Island of Patmos. Both agree they haven't had time to miss the companies they worked for so many years.

CALDWELL RETIRES TO THE GOOD LIFE



"I want to get out while I'm young enough to enjoy life," says Dennis Harold Caldwell, who was a T&D clerk A in Charleston before electing early retirement October 1.

Denny and his wife Mary have planned a trip to Beverly Hills, California, and hope to spend a few weeks in Florida each year. If tickets are available, they also plan to attend this year's World Series.

Denny says, "My wife got me a new set of golf clubs last Christmas and I haven't even used them. Boy, am I looking forward to spending a lot of time on the golf course. I sure like that game!"

Years ago when Charleston had its own employee newspaper, bowling was becoming popular and the company had a league. Denny bowled in three leagues and was asked to write an article for the company paper. This became a weekly feature, and Denny's picture was run with the articles. "I took quite a ribbing about my picture and was accused of being a politician," he recalls. One of the better bowlers in the Charleston area at that time, Denny's high game was 286 and high series 688. He has not bowled for some time but may take up the game again during retirement.

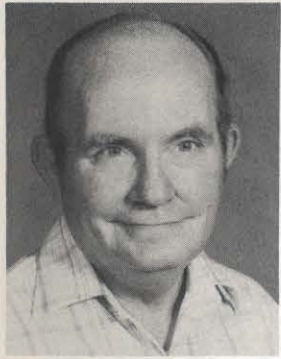
Denny says, "The company has been good to me. I've made my living here. A lot of people have come and gone since I've been here, and a lot of changes have been made in company operations. Back in the early days nothing was mechanized and all the work was manual. We had to move cross arms and transformers by hand. Appliances were unloaded by hand, and we sold a lot of them. We finally got a lift in the storeroom, but it had to be moved by hand."

He continues, "One of the fellows in the stores department couldn't operate the lift, and the supervisor told him if he was going to work in the storeroom he had to learn to operate it. Well, the guy tried; and, as he was pushing it, he got up so much speed, he couldn't stop. His supervisor kept hollering 'stop that thing', and the employee finally did, but it was out on the railroad track before he got it stopped. It took us three hours to move it back into the storeroom."

Denny concludes, "I've enjoyed working for Appalachian, and I can honestly say I've always had real good supervisors. They were all good to me. I'll sure miss seeing everyone on a daily basis, but can't say I'll miss the constant ringing of the telephone."

Denny is a Mason, Shriner, member Royal Order of Jesters, and meritus lieutenant in the Beni Kedem Patrol. A member of the Calvary Baptist Church, he is a former Sunday School class secretary.

VETS RECEIVE SERVICE AWARDS



C. E. Richards
Shift Op. Engineer
Clinch River
40 Years



Maxine Urwin
Cust. Accts. Rep. A
Charleston
35 Years



O. R. Minnich
T&D Eng. Manager
GO-Roanoke
35 Years



L. W. Jenkins
Residential Rep. Sr.
Roanoke
30 Years



R. D. Duren
Head Custodian
Beckley
30 Years



R. O. Cash
Meter Electrician A
Lynchburg
25 Years



J. B. Bell
Meter Reader
Roanoke
25 Years



Jean Sturm
Head T&D Clerk
Charleston
25 Years



W. H. Jones
Area Superintendent B
Charleston
25 Years



O. E. Willis
Performance Eng. Sr.
John Amos
25 Years



Jack Pippin
Cust. Accts. Rep. A
Kingsport
25 Years



W. H. Bostic
Eng. Technician Sr.
Charleston
25 Years



Elaine Wilkinson
T&D Clerk B
Roanoke
20 Years



M. S. Clarke
Hd. Forms & Sup. Sec.
GO-Roanoke
20 Years

Abingdon

10 Years: **J. L. Weddle**, area supervisor A. **J. D. Blankenship**, station mechanic A.

John Amos

5 Years: **S. W. Raines**, maintenance mechanic B. **W. R. Williams**, utility operator A. **J. D. Berry**, maintenance mechanic B. **E. M. Buckley**, maintenance mechanic A.

Beckley

10 Years: **J. A. Smith**, line mechanic, Rupert. **J. J. Hood**, customer accounts representative B, Rainelle.

Bluefield

10 Years: **George Heartwell**, line mechanic A. **Mason Shrader**, automotive mechanic A. **Edward Larry Taylor**, line mechanic B. **John Walters**, area service restorer.

Charleston

10 Years: **Metzel Turley**, secretary-stenographer. **R. P. Kennedy**, engineering technician senior. **R. D. Harrison**, line mechanic B.

General Office

15 Years: **T. R. Holland**, relay engineer senior, GO-Huntington. 10 Years: **J. R. Worley**, senior reproduction machine operator, GO-Roanoke. **G. E. Webb**, transmission mechanic A, GO-Huntington. **L. J. Smith**, engineering technologist, GO-Roanoke. **R. E. Northup**, environmental affairs director, GO-Roanoke. **W. C. Miller**, station operator A, GO-Roanoke. **G. A. McClung, II**, transmission mechanic B, GO-Roanoke. **C. R. Lester**, transmission mechanic A, GO-Bluefield. **J. A. Joyce, Jr.**, transmission mechanic A, GO-Bluefield. **J. B. Floyd, Jr.**, transmission mechanic A, GO-Bluefield. **S. G. Canode**, engineering technician supervisor, GO-Roanoke. 5 Years: **R. L. Perry**, station operator B, GO-Roanoke.

Huntington

25 Years: **W. A. Joseph**, photographer and reproducer. 10 Years: **D. G. Simms**, meter service mechanic A. **H. R. Burcham**, automotive mechanic A. 5 Years: **J. H. Rhodes**, line mechanic B.

Kanawha River

5 Years: **Charles L. Carroll**, maintenance mechanic C.

Pulaski

10 Years: **W. T. Childress**, drafter B. **T. E. Bobbitt**, line mechanic A.

Roanoke

10 Years: **W. H. Eller, Jr.**, meter electrician A. **Betty Martin**, meter reader.

Philip Sporn

15 Years: **D. R. Simonton**, maintenance superintendent. 10 Years: **D. L. Kearns**, unit supervisor. **D. L. Draper**, engineering technologist. **L. R. Kirby**, janitor. **B. C. Hickman**, unit supervisor. **G. D. Roark**, maintenance mechanic B.

MILLER RETIRES EARLY



Ralph McKinley Miller, communications engineer in General Office T&D Communications, Huntington, elected early retirement August 1 after 28 years' service.

A native of Greenville, West Virginia, Ralph attended Greenbrier Trade School and West Virginia University. He began his utility career in 1950 as an electronics engineer and was promoted to radio engineer two years later.

Ralph recalls, "When I first came with the company, there was a letter with 17 signatures on it from customers of a community who were complaining about interference in their TVs. One of the first things I had to do was to go there and take a line crew. We worked several days doing maintenance work in the town. We satisfied the customers to a certain extent but did not complete the work. A few months later when I got the crew, good weather and the time, we completed the work. After we finished, I noticed that on a three-phase bank on one of the wooden crossarms where there were three transformers

hanging, one of them was smoking. We fixed it immediately. By going back, we were able to prevent an outage in the town."

He continues, "When I started with the company, all we had was radio and interference work. I was a one-man gang for about 15 years or so. I did all the installations and interference work. Sometimes the work was frustrating because you had to go a hundred miles to satisfy the customers."

Ralph notes, "I have enjoyed my work with the company. Working in this communications section was almost like working at a hobby. Everyone in the group is interested in working in it. We travel quite a bit in the System. That's one reason why I am taking early retirement. There is so much traveling now that I have gotten tired of it. I just want to take time for myself."

He adds, "I have no definite plans for retirement but to stay out of trouble. Another reason I took early retirement was because I have a lot of work to do around the house. I also want to continue my travels. I have done a lot of traveling throughout the eastern part of the United States, mostly to civil war battlefields. I've been to the major battlefields already. I have a wide range of interests. I have over a thousand books on every subject you can think of: stamps, coins, paper weights, guns, rocks, minerals, civil war relics and the like."

Ralph and his wife Louise have three children and six grandchildren.

BLOOD DONOR HONOR ROLL

General Office
Wayne Shafer, statistical accountant, GO Accounting, Roanoke, three gallons.

Huntington
Jo Cole, wife of Milt Cole, equipment service representative senior, three gallons.

MOVING UP



Lewis R. Gilland, former unit supervisor, was promoted to assistant shift operating engineer at Philip Sporn Plant on September 1. He succeeds G. A. Wolf.



Terry L. Wolfe, former equipment operator, was promoted to unit supervisor at Kanawha River Plant on April 16. He succeeds R. H. Meadows, who resigned.



George A. Wolf, former assistant shift operating engineer, was promoted to shift operating engineer at Philip Sporn Plant on September 1. He succeeds K. E. Arnold, who retired.



Gerald W. Cunningham, former line mechanic A, was promoted to line crew supervisor NE in Lynchburg on September 8. He succeeds M. A. Langford, who retired.



Melton Robert Archibald, Jr., former Madison area supervisor A, was promoted to supervising engineer at Logan in Logan-Williamson Division on October 1. He succeeds Harry E. Ruloff, who was promoted earlier. Archibald holds a bachelor of science degree in electrical engineering from West Virginia Institute of Technology.



H. Bruce Hall, former equipment operator, was promoted to unit supervisor at Clinch River Plant on May 1.



Carl M. Cline, former equipment operator, was promoted to unit supervisor at Philip Sporn Plant on September 1. He succeeds L. R. Gilland.



George E. Laurey, former accounting staff assistant senior, was promoted to general accounting administrator in General Office Accounting, Roanoke, on September 1. He succeeds O. A. Hawkins, who retired. Laurey holds BS and MS

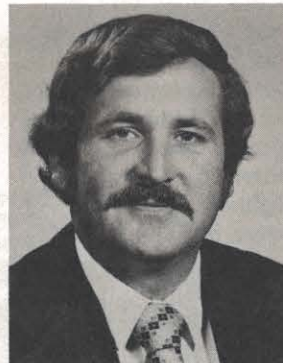
degrees in accounting from the University of South Carolina and is a certified public accountant.



David L. Goodwin, former line crew supervisor NE, was promoted to line crew supervisor E in Lynchburg on August 16.



Fred E. Austin, former line crew supervisor NE, was promoted to line crew supervisor E in Lynchburg on August 16.



David Russell Brooks, former line mechanic A, was promoted to line crew supervisor NE in Roanoke on September 8.



Michael E. Howard, former personnel assistant senior, was promoted to workers compensation assistant in General Office Personnel, Roanoke, on October 1. He succeeds T. A. Kirby, who retired. Howard has a BS degree from Shepherd College.

TAYLOR RETIRES FROM SPORN



"I liked working at the plant and if I were physically able I'd still be there," says John W. Taylor, Sr., who was a maintenance supervisor at Sporn before electing early retirement September 1.

John began his career in 1951 as a laborer at Sporn and was a helper, junior maintenance mechanic and master maintenance man before being promoted to maintenance supervisor in 1971. He has been on long-term disability leave since March 1977.

John's plans for retirement include fishing, bow hunting and making antique guns. He is a 9th degree knight in the Knights of Columbus. John and his wife Jean have two sons and eight grandchildren. His son, John, Jr., is employed at Sporn.

AGEE RETIRES EARLY



Frank Ainsley Agee, maintenance mechanic C at Glen Lyn Plant, elected early retirement September 1 after more than 27 years' service.

A native of Gardner, West Virginia, Frank was employed at Glen Lyn in 1952 as a laborer. He advanced through the positions of utility operator A, coal conveyor opera-

tor, coal and ash equipment operator B, brakeman and maintenance helper before being named maintenance mechanic C in 1969.

Frank's plans for retirement include protecting his health, visiting his children and grandchildren more often and continuing to teach the adult Sunday School class at the Woodland Street Baptist Church in Narrows. He enjoys reading books and walks regularly for health reasons. He and his wife Gladys have three children and eight grandchildren.

ARNOLD ENDS 43-YEAR CAREER



Keith Eugene Arnold, shift operating engineer at Philip Sporn Plant, retired September 1 after 43 years' service. He began his career as a vacation relief person at Philo Plant in 1936, the first year non-supervisory employees received a vacation.

Through the years, Keith says, approximately 17 new plants have been constructed on the System, not including additions to the old plants. "I'm just amazed at the growth and change in design of the plants."

He continues, "I have nothing but good to say about the company. It has provided me with a comfortable living for my wife and two children. I will miss the people who helped me along the way. In 43 years I haven't missed one paycheck, but for 43 years the plant was always my number one priority." "I've worked for a number of plant managers and liked them all, but Harold Andrews stands out in my mind. Mr. Andrews was one of the finest men I ever met and he was the person who gave me an opportunity with the power com-

pany. Another person I'd like to mention is Glen Hensler, operations superintendent at Sporn. I've always thought a lot of Glen and thank him for his help and his good friendship over the years."

Keith spent his entire career working shift work in the Operations Department. He held the positions of boiler room man, boiler operator A, operator, control operator, second assistant shift operating engineer, first assistant shift operating engineer and assistant shift operating engineer before being promoted in 1966 to the position he held at retirement. Keith was on the start-up crew for Sporn Plant and is the last of the original crew to retire.

His plans for the future include fishing, golfing and traveling to Arizona and South Carolina. He also claims to have a new hobby called "honey do". Keith and his wife Mary have a son and a daughter and five grandsons. His son Gerald William is a utility supervisor at Sporn and his son-in-law is employed by Centralized Plant Maintenance.

MURRILL RETIRES FROM NAVY



Charles C. "Curt" Murrill, Kanawha River Plant maintenance mechanic B, has retired from the U.S. Navy as senior chief radioman. He had 40 years' service, including eight years of active duty and 32 years in the Ready Reserves.

Murrill served in the Navy from 1939-1945 and was called back for two years' active duty during the Korean War.

RETIREE RECALLS EARLY DAYS



"I started with the company in June 1938 at a time when the new Electric Plant 'gold plated' accounting system was just being talked about. But for a while after I started, we still were writing 'IDO's' for material and building lines before we surveyed them," recalls James L. Richmond, who retired October 1 as Logan-Williamson division superintendent.

He continues, "I worked outside with a line crew for the first few months. In those days, we rode in the open bed of the truck with the wind, rain and tree limbs in your face. I showed for work with a pair of Saf-T work gloves, field boots and riding britches. Some of the older employees still remind me of that day and how I looked. I guess no one ever looked 'greener'. They put me through the usual tricks but also gave me a good experience in line crew work that was of great benefit to me in later years."

"John Keadle, civil engineer, and I were the Engineering Department. We had a contract surveyor, Harry London. In those early days I did some surveying and mapping, made improvement requisitions, let contracts, inspected contract work and made completion reports. While surveying in the mountains, we often came across rattlesnakes and John's favorite expression was 'man, he scared my mule!'

"In 1946, after spending 3½ years in the U.S. Navy, I came back to my job. We were engaged in a big rural line construction program. Unbelievable to almost everyone, we built 250 or more miles of line in 1946, about

300 miles in 1947 and another 200 in 1948.

"Loads have grown unbelievably, too. I remember when Inez, Kentucky, had electric service from a Delco storage battery and a gas-driven generator charger system. Power company service only extended to Kermit, where a 300 kva station served the town and two coal companies. Now electric service in this same Kermit-Inez area totals about 75,000 kva. Growth of the total Williamson-Sprigg area load went from about 10 mva to about 200 mva now.

"In 1954, I was transferred to the Huntington Division, spending three years there in the early development of the division T&D organization. In my first division experience, I found a lot of differences in the way things were being done in Huntington, Logan and Williamson, and made an effort to standardize many of them. I found this to be a difficult, if not impossible, task. I believe some of these efforts are still running into the same obstacles today: the resistance to change.

"While in Huntington I had the privilege of attending several training programs, traveling to other division and company offices, and getting acquainted with a large number of company employees, all of them fine people. I also found a lot of former Williamson and Mingo County friends living in Huntington."

Jim goes on, "In Logan my experience became much more challenging and demanding. Problem solving became a way of life: record floods, destroying not only homes and businesses but many of our facilities; the aftermath, the temporary and permanent housing; and finally, coal mining boom with its associated load growth.

"In 1964 we became the Logan-Williamson Division. In 1968, at Bill Honaker's retirement, I remember saying to him, 'It's been 11 years since I came to Logan, and it seems like it was only yesterday. It's only 11 years until I retire so it's practically here'. The time didn't actually go that fast. A lot has happened in those years, mostly good. The highlight of my career was when the Logan-Williamson Division

achieved a 100,000 safe workhour award in 1966. Another highlight was the development of the helicopter technique of power line construction. Yet another, and possibly the greatest highlight, was the privilege of working with and being friends with so many wonderful people."

Jim and his wife Ruby have three children and six grandchildren. A former member of the Mitchell Heights, W.Va., Town Council, he is a member of the Logan Kiwanis Club and attends Nighbert Memorial Methodist Church in Logan. As for retirement, Jim says, "We'll stay right here, do a little traveling, visit the kids and grandkids and play some golf."

RETIREE ENJOYED TROUBLE WORK



"Appalachian is a really fine company, and I have enjoyed working with all the people I have known throughout the years," says Morris A. Langford, who was a line crew supervisor in Lynchburg before retiring September 1.

Lang recalls how he came to work for the company. "I was a baseball player and really had aspiration to play professional ball. Appalachian employees were playing Forest, and a man named McDermott asked me to play for them when his pitcher was hurt. I ended up playing all summer. Buck Martin, the man who was line superintendent at the time, told me I should apply for a job with Appalachian. I did and worked on the line crew temporarily in 1936. I then worked for Lynchburg Foundry on the evening shift for about six months. I used to see the men as they were turning on the streetlights every night, and one of them

told me Appalachian was going to hire some permanent people. He suggested I go in and apply, so I went to see Buck Martin and he put me to work."

Lang continues, "There have been many changes since I began working at the power company. The linemen used to ride in the back of the line truck. During the winter you froze to death and in the summer you burned up. In those days only the driver and the foreman were allowed in the cab of the truck."

He adds, "I really have had some experiences with the company — some bad and some good — but most of them were good. I particularly enjoyed working with people. A lot of employees didn't like to work trouble, but I found that to be the most enjoyable work I was able to do in my career with Appalachian. To see the expression on people's faces when they got their power was wonderful. One time that particularly pleased me was when we were putting in a line in a rural area. On Christmas Eve as we were going through and making the lines hot, I went up and knocked on one door and told them that the power was on and for them to check their lights to see if they were burning. They were, and the whole family came out and said it was the best Christmas they ever had."

Lang notes, "I have always liked to climb poles. Sometimes I have been so tired I didn't think I would ever get on another one, but then climbing poles is in your blood. Once you rest up you are ready to get back on the poles again."

An avid hunter and fisherman, Lang states, "I plan to do some camping with my wife — she loves to camp as much as I do. I am looking forward to hunting season so I can practice my archery. I just got a new compound bow and am anxious to try it out."

Lang will continue his hobby of tying flies, which he has been doing for a number of years. He has also been taking a correspondence course in small appliance repair and plans to take that up as a second vocation. "I really got into small appliance repair

when one of my daughters had a Mr. Coffee that was broken and asked me to fix it. My children seem to think I can repair anything. I began looking around for parts and found I could find them and could repair the appliances. I decided if I was going to do this I should learn how to do it the right way. That's when I decided to take the course. This will provide me with some entertainment during the long winter days. I still plan to get up at about the same time as always. I have seen too many people just lie around after they retire."

He and his wife Esther have three children and seven grandchildren. They attend the North Bedford Baptist Church.

CALDWELL PLANS HUNTING, FISHING



"My main reason for wanting to retire early is to take advantage of more hunting and fishing," claims L. S. "Tweet" Caldwell, who retired October 1 as a Roanoke street light attendant. He continues, "I just took a notion to take off, maybe to get some enjoyment before getting too old."

Tweet, who joined Appalachian in 1941 as a groundman third class, first climbed poles for the U.S. Forest Service. "That was in 1936. I had just completed six months' of working with the CCC camp program in Craig County and hired on doing line work for the Forest Service in and around Craig." In 1938 he went to work for REA's Craig-Botetourt Electric Co-op.

While working for the Co-op, Tweet began thinking of how he might get on with Appalachian. "I wanted to hire on," he recalls, "but I didn't know anyone at Appalachian to help me. Matt Layman, owner of

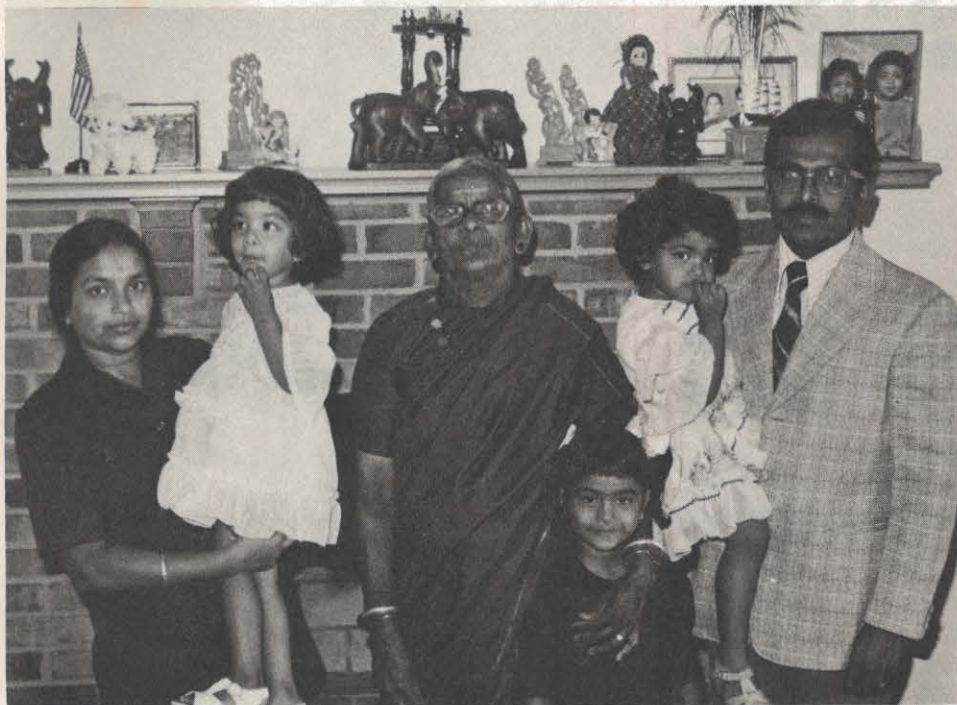
Layman's Pharmacy in New Castle was a friend of Mr. Hancock, then Roanoke Division manager. He said, 'Do you want to go to work for them? I'll take you over there.' He drove me to Roanoke and took me right into Hancock's office. Matt served on the Virginia Department of Game and Inland Fisheries board, and he and Mr. Hancock did a lot of fishing together. Matt asked Mr. Hancock if he would do him a big favor. He said, 'I'd like for you to give this boy a job.' Dave Elliott, then T&D superintendent, took my application, and in about three or four days they called me to take the physical."

Tweet was working out a two-week notice with the Co-op when he went to Roanoke for the company physical. On his return trip, he came across the APCO crew. He remembers, "It was Ralph Amos, Sr., general line foreman then and father of Ralph Amos, Jr., now Roanoke general line supervisor. Ralph was giving his crew the devil over the way they had handled moving a pole. I mean he was getting all over them. I told Sike Lee, my foreman, that I sure hoped Appalachian didn't put me with that guy. My first day, however, I was assigned to Ralph's crew. He found out what I'd said and got all over me. Ralph, Sr., was a good man though. Once you got to know him, you really liked working for him."

Tweet served in the U.S. Navy during World War II. "I made three trips around the world while stationed on one or another of several cargo ships. Our job was carrying and handling war supplies which ranged from diesel oil to ammunition. We set foot on every continent." Tweet attends Roanoke Christian Church and is a member of Osceola Lodge, Knights of Pythias; Woodmen of the World; Beechbrook Hunt Club and Casteel Hunt Club.

He concludes, "Appalachian was a good place to work, and I enjoyed it."

CHANNIAH BECOMES CITIZEN



A. C. Channaiah, Lynchburg engineering technologist supervisor, became an American citizen on July 6 in naturalization ceremonies conducted by The Honorable Ted Dalton, Judge of the United States Western District Court, at Monticello, Charlottesville, Virginia.

A. C. joined Appalachian as an electrical engineer in Lynchburg soon after his migration from Bangalore, India, to the United States in 1969. He was joined by his wife Jaya in 1970 and his mother Kempamma in 1971.

Jaya became an American citizen on July 6, 1976, during America's bicentennial. Their daughters, 5-year-old Aruna, and 2½-year-old twins Nanda and Deepa, were born in America. In spite of the handicap of age (75 years), language and cultural separation, A. C.'s mother, a widow, enjoys living here with her only son and expresses great admiration and gratitude for America and its people. In particular, she is grateful to John W. Vaughan, Appalachian executive vice president, who was kind enough to work out a permanent visa for her to live with her son.

A. C. expresses great pride in and appreciation for the American system, and its freedom-loving people. He says, "America is probably the only nation on earth which wholeheartedly welcomes desirable immigrants and adopts them as her own children. America is a God-blessed land."

A registered professional engineer in the State of Virginia, A. C. is working towards his master's degree in engineering administration with George Washington University, Washington, D.C.

ISNER PARTICIPATES IN FIRST HELICOPTER RESCUE



Dick Isner, left front, and other members of the Cave Spring Rescue Squad participate in the first helicopter rescue demonstration in the Roanoke Valley.

Roanoke Stores Supervisor Dick Isner, a member of the Cave Spring Rescue Squad, participated in what is believed to be the first helicopter rescue demonstration in the Roanoke Valley.

The Cave Spring and Salem Rescue Squads transported and removed a mock victim via helicopter, which landed on a newly completed pad at the Lewis Gale Hospital.

The Salem Rescue Squad's primary function, according to Isner, "was to prepare the patient for loading into the helicopter and care during flight. Upon arrival, our responsibility centered on removing the injured person from the medically equipped chopper and getting him to the nearby hospital."

The purpose of the staged air evacuation was to demonstrate its effectiveness in the Roanoke Valley. As Isner explained, "The major benefits of helicopter patient transportation are numerous. A bad wreck could occur on Interstate 81 between Christiansburg and Roanoke, requiring quick hospital care such as major surgery. The helicopter could make the trip in a few minutes. Too, a badly burned victim may need immediate attention at the burn centers in Charlottesville or Richmond. The helicopter could make the trip from Roanoke much faster."

PULASKI MEN WORK WITH PUBLIC SERVICE AUTHORITY



G. R. "Buddy" Smith, Jr., left, and R. H. "Bob" Love at the water treatment plant near Draper, Virginia.

Giving freely of their time and talents for the betterment of their communities is characteristic of many power company employees. R. H. "Bob" Love, Pulaski engineering supervisor, and G. R. "Buddy" Smith, Jr., Pulaski engineering technician senior, are no exception.

When the Pulaski County Public Service Authority was formed by the County Board of Supervisors in June 1970, Bob and Buddy were appointed to the PSA board and elected chairman and treasurer, respectively. They are still serving in those capacities after nine years.

The Authority was formed under the Virginia Water and Sewer Authority Act to acquire, construct, operate and maintain a water and sewage disposal system for the collection, treatment, distribution and sale of water and to exercise the powers conferred by the Act.

Plans were developed for a water treatment plant to be located along the edge of Claytor Lake south of Draper, with trunk lines to be extended along Virginia Primary Highway 100 and old U.S. Highway 11 to Dublin. With these plans developed, the Service Authority approached the available funding agencies for funds necessary to construct the treatment plant, the storage tanks, and the connecting lines. Farmers Home Administration, Appalachian Regional Commission and Housing and Urban Development were contacted, and the agencies assured the Authority that the project was feasible and could be funded.

Bob says, "With this assurance, the plans were developed for construction of a water treatment plant with a daily capacity of 3-million gallons and a 1.9-million gallon storage tank. The treatment plant capacity can be increased to 4.5-million gallons daily by changing the impellers on the water intake pumps; and, with a minimum of construction, the capacity can be increased to 6-million gallons daily as the needs require. There is enough capacity in the intake lines to provide 12-million gallons daily to the treatment plant although this would require major construction."

Since the water treatment plant's dedication a year ago, the countywide water system is serving about 40 percent of the county residents living outside the Town of Pulaski. Buddy notes, "Before the system began operating, about 95 percent of the county's residents living outside the town were getting their water from wells or cisterns." The water system was unusual enough to win an award in 1978 from the National Association of Counties for modernization of a rural area.

The PSC is designing additional projects and has other projects under construction which should be completed in about three years. Bob says, "By that time we will have covered most of the populated areas in the county except Hiwassee and Snowville. Residential, commercial and industrial growth is expected in areas where water lines have been installed or are proposed to be installed."

The plant pumps water from Claytor Lake, adds alum to make suspended particles settle faster, and pumps it into settling basins where it stays for six hours. From there it is pumped through sand filters and then chlorine is added to kill bacteria. Approximately 15 to 20 bacteria samples are taken each month; hardness, pH and turbidity tests conducted every day; and the chlorine content checked every two hours.

Bob and Buddy have given freely of their own time for the past nine years to make this system a reality. They attend regular monthly meetings plus any called meetings and worked with 13 various local, state and federal agencies prior to the start of construction on the system. Bob has also attended numerous meetings in Richmond and Washington.

Both employees agree: "It hasn't been easy to develop a countywide water system which represents an approximate investment of \$14 million to date."

PATRICK GIRL SCOUTS TOUR WYOMING



Eight Cadette Girl Scouts from Patrick County were selected to tour the Girl Scout National Center West at Ten Sleep, Wyoming, in August. Polly Greer, wife of Roanoke Line Mechanic Ted Greer, was one of two leaders who accompanied the group.

"Ten Sleep," Polly says, "is a community of about 300, and we set up camp some 15 miles beyond that. You might say we were back in the hills. The Indians gave Ten Sleep its name. Supposedly it was about 10 nights sleep to reach any settled community in any direction."

Each year selected groups of Girl Scouts tour the national center under a grant by Dewitt Wallace. "Dewitt Wallace and his wife, founder of *Reader's Digest* magazine, set up a trust known as the Wyoming Trek. It offers girls an opportunity to travel and see a part of the U.S.," notes Polly.

At Center West, Girl Scouts have an opportunity to primitive camp and participate in other outdoor activities. Enroute by chartered bus, the troop took sightseeing tours to the Mormon Tabernacle in Salt Lake City, Utah; the tallest building in the United States, Sears Tower in Chicago, Illinois; Old Faithful Geyser; Buffalo Bill's Museum in Coty; and Corn Palace at Mitchell, South Dakota.

"Corn Palace is unbelievably beautiful," claims Polly. "It is well lighted at night and the outer surface is made and decorated entirely of multi-colored corn. The corn growers' industry, as a promotional effort, decorates the palace each year. It is done largely for the birds to eat, which they do."

She adds, "There were good and bad parts of our trip. I had never ridden a horse before, and one of the trail rides which was supposed to last one and a half hours took three hours. I was so sore I couldn't get out of bed the next morning. The raft trip down Snake River at Jackson Hole was definitely the best part of the 17-day tour. We were all drenched by the rough water, but it was a great experience."

"The worst part of the trip was the heat in Wyoming. The 106° temperature during the day was almost too much. There's not much rain there, and the ground is hard and dry. During the eight days of camping out, rocks had to be used to hold the tent ropes because stakes could not be driven into the ground."

"The 14 states we traveled through and our stay in Wyoming can be summarized in one word — great. I'm ready to go again," Polly concludes.

Active in the Girl Scout program for eight years, Polly is a leader in Junior and Cadette Girl Scouts at Patrick Springs and is service unit chairman, Patrick Henry County Girl Scouts of Virginia.

ACCEPTED OIP PROPOSALS

Abingdon Division	11
Beckley Division	1
Bluefield Division	7
Charleston Division	9
Huntington Division	3
Logan-Williamson Division	3
Lynchburg Division	3
Pulaski Division	16
Roanoke Division	8
John Amos Plant	4
Clinch River Plant	4
Glen Lyn Plant	3
Kanawha River Plant	7
Philip Sporn Plant	4
Central Machine Shop	1
Centralized Plant Maintenance	2
GO Accounting	8
GO Customer Services	1
GO General Services	1
GO Hydro	3
GO Land Management	1
GO Operations	6
GO Personnel/Executive	8
GO Public Affairs	1
GO Purchasing	2
GO Transmission/Distribution	3

Total accepted by General Office for processing as of September 24 120



C. W. Claytor, husband of Beckley Junior Clerk Barbara Claytor, is the recipient of the Chuck Smith Memorial Sportsmanship Award. The trophy, presented by Mr. Smith's widow, Regina Smith (right), was given to the player whose character most epitomized that of a respected tennis player. Smith died last year while competing in the Raleigh Closed Tennis Tournament.



Marshall Clark, son of Emma Clark, Roanoke station mechanic D, was a key player for the Williamson Road Twins, who captured the District 12 baseball championship in Roanoke's Paul Coffey League. The twins advanced as far as the 11-13 age group is permitted to by league rules. The team won the National League title with an 11-season record, captured the Roanoke City championship in late July and took the district title with scores of 10-8 and 20-17. In the final game for the district title, Marshall drove in three runs and stole home to score a fourth run. The 12-year-old plays right field.



Gordon Craig, Abingdon residential representative (right), was awarded a citation for outstanding service to 4-H by the 1979 Virginia 4-H Electric Congress. The award was presented by Dr. Kenneth Dawson, director of 4-H Extension Service at Virginia Polytechnic Institute and State University (left). Craig has been involved with 4-H activities for 33 years, all but two of which have been while employed by Appalachian. He has taught electric classes at the Southwest Virginia 4-H Center, planned and conducted tours and county programs. As a member of the Washington County Chamber of Commerce agricultural committee, Craig has helped organize various adult tour groups to Electro Ag and field days at Virginia Tech. Dr. Dawson said, "Gordon's efforts in support of the 4-H electric project in southwest Virginia does certainly make him deserving of recognition. He could well be called Mr. 4-H Electric of Southwest Virginia".

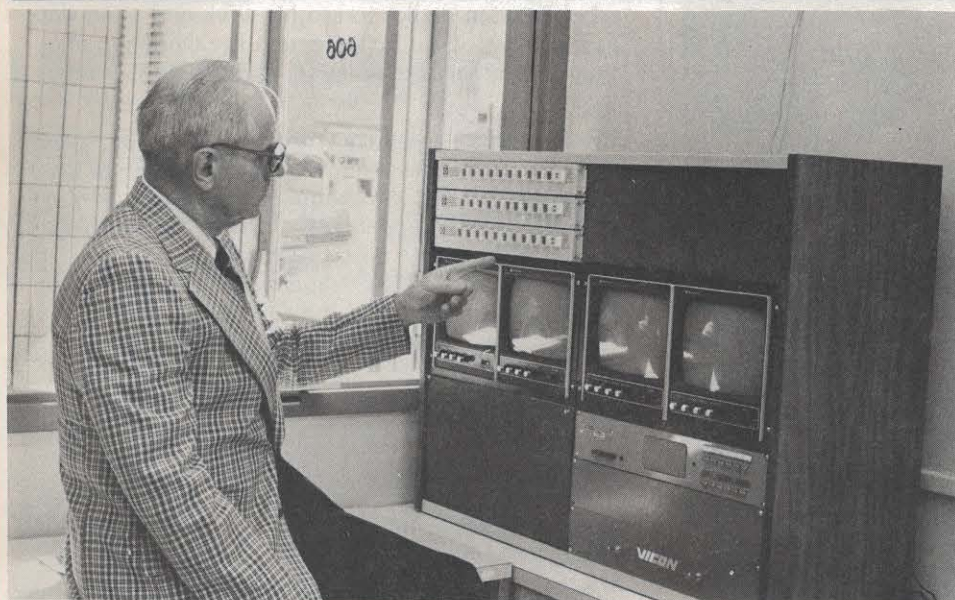


Custer's Custom Painting team won the Class A Fast Pitch Virginia State Softball Tournament. Team members include Danny Sink, classification and accounts payable clerk A; Billy Call, husband of Velma Call, general bookkeeper; and Larry Custer, husband of Paulette Custer, general records clerk A; all of General Office Accounting, Roanoke.



D. R. Brammer (left), station clerk A, and D. E. Barger (right), engineering technologist, both of GO T&D, Roanoke, were members of the First Baptist Church Team which won the Roanoke City Church League Slo-Pitch championship. The team, which had a season record of 15 wins, 3 losses, won the semi-final game 16-5 and the championship with a score of 11-5. Brammer has a total batting average of .544. He has come to bat 57 times with 31 hits.

SECURITY SYSTEM INSTITUTED FOR HEADQUARTERS BUILDING



R. A. Youngman, GO general services manager, watches the television monitors, located in the First Street guard room, which provides surveillance on all entrances to the Roanoke General Office building.

A new security system for the Roanoke General Office building went into effect October 1.

A guard will be stationed around the clock each day of the year within a newly constructed guard room at the First Street entrance. Another supervisory guard, working from the guard room, will be on duty from 7:30 AM to 5:30 PM each regular workday. A guard will also be stationed from 8:30 AM to 5:00 PM each regular workday at a guard desk in the main lobby. Additional guards will be provided as needed, such as when the auditorium is opened after normal work hours.

Under the new security, the operations center, which controls the routing of power on the System, and the data processing center, which in conjunction with Canton processes all billing, will not be accessible to casual visitors. In addition, employees will not be disturbed or harassed by unauthorized visitors.

The new procedure was explained to all Roanoke General Office building employees in a series of meetings prior to its inception.

Employees have been asked to use only two entrances. The First Street entrance will be the primary means of entering and leaving the building. Company employees may gain access by presenting their Appalachian ID card to the guard stationed at the First Street entrance. Access to the building during holidays, weekends and hours outside 7:30 AM and 5:30 PM can be gained by summoning a guard on the intercom. Employees will be required to sign in and out on the log book at the guard room after hours. The Bullitt Avenue entrance will be open only during peak traffic times Monday through Friday.

The Franklin Road main entrance will be restricted to customers, sales representatives and general public having business within the building. Such persons must present their personal identification at the guard desk located near the main lobby double doors. Before visitors are given access to the building, the security guard will advise the individual the visitor wishes to see that the visitor has entered the building.

All ground level exterior doors of the building will remain locked and under surveillance around the clock, except for the Franklin Road entrance, which will be unlocked during normal business hours. Emergency door releases are provided on all ground exterior doors, however, for emergency exit of personnel occupying the building.

A temporary identification card, good for a maximum of 30 days, will be issued by the security guard to new employees and employees who lose their permanent card. The security guard will require identification by the employee's immediate supervisor before a temporary card is issued.

Persons seeking job applications may obtain the forms from the security guard located in the main lobby. The applications will be forwarded to the Roanoke Personnel Department at the end of each day. Job applicants receiving letters from the company requesting their presence may gain access to the Personnel Department upon presenting the letter to the security guard in the main lobby. The applicant will be issued a visitor's card after identification is established, and the security guard will advise the Personnel Department that an applicant has entered the building.

Identification cards will be under the control of the on-duty security guards. No cards will be issued to the general public not having business in the General Office building.

The main auditorium will be available to outside groups upon request through the Roanoke Division Personnel Department. The auditorium will be secured from the balance of the building after normal work hours, and an additional security guard will be on duty.

6100 VIRGINIA STUDENTS TOUR APCO ENERGY VAN



More than 6,100 8th through 12th graders at 15 schools in Abingdon, Pulaski and Roanoke Divisions learned more about wise and economical use of electricity in the home by touring the Home Energy Management Mobile Van last month. Appearances of the van throughout its service area in Virginia and West Virginia are being sponsored by Appalachian Power Company. The van was assembled by the Virginia Farm & Home Electrification Council in Blacksburg, Va. The van will be at schools in Bluefield, Huntington and Lynchburg in October.

Charlie Wagner, GO customer services coordinator in Roanoke says, "Appalachian feels this van provides a real opportunity for students to learn through interesting and innovative displays and printed material ways to use electricity wisely. The information provided is of a practical nature and can be used by students in their home."

He added, "Included are displays and information on such topics as insulation, ventilation, solar energy for heating, the heat pump, how electrical load can be controlled in the home, lighting, and other subjects. Each person touring the van is given a folder, which contains information as well as an 'Energy I. Q.' quiz.

"Perhaps the most intriguing display," Wagner observed, "is an electronic energy simulator, where a student can ask the simulator questions on annual operating costs for homes with various types of insulation, thermostat settings, heating and appliances, and receive instant answers. This unit is portable and can be taken into the classroom."

He concluded, "The energy van is being made available through the cooperation of school authorities. We at Appalachian, as well as the school personnel, believe that the van presents a valuable, first hand opportunity for young people to learn more about electric energy and its wise use, and how they can put this knowledge to use."



Gary Morehead's hydroelectric exhibit won a red ribbon in the Virginia 4-H Electric Congress at Richmond in August. The son of E. L. "Tommy" Morehead, transmission mechanic A, GO T&D Transmission, Bluefield, Gary was also a state winner in public speaking and will compete at the National 4-H Congress in Chicago, Illinois. Gary is a student at George Wythe High School, Wytheville.

THOMAS ALVA EDISON: HE LIT UP OUR LIVES

Editor's note: The Centennial of Light, sponsored by the Thomas Alva Edison Foundation, is a year-long commemorative of the invention of the incandescent light on October 21, 1879.

It honors the memory of Edison, whose scientific and technological achievements changed the face of the earth and the course of human history. It seeks to rekindle in today's young men and women Edison's enthusiasm for discovering new ways to improve the quality of life. It strives to upgrade scientific education and to create a better environment for research and development.

Electricity was crackling in scientific minds around the world on September 8, 1878, when Thomas Edison visited William Wallace in Ansonia, Conn. Wallace enjoyed fame as a co-inventor with Moses Farmer of the first American electric dynamo, and eight brilliant arc lights made his factory glow.

Edison excitedly examined the dynamo, the arc lights, the instruments, then turned to Wallace and said confidently: "I believe I can beat you in making the electric light. I do not think you are working in the right direction."

Electric lights had been in Edison's thoughts for at least two years, not an unusual thing since scores of keen minds in many nations had sought a practical incandescent lamp for more than half a century. Electric arc lights had glowed in English lighthouses since the 1860s, and lately were appearing on Paris streets and elsewhere.

But arc lights were fit only to hang high above streets because of their intense glare. Furthermore, they gave forth noxious odors, required high volumes of electricity and were hazardous.

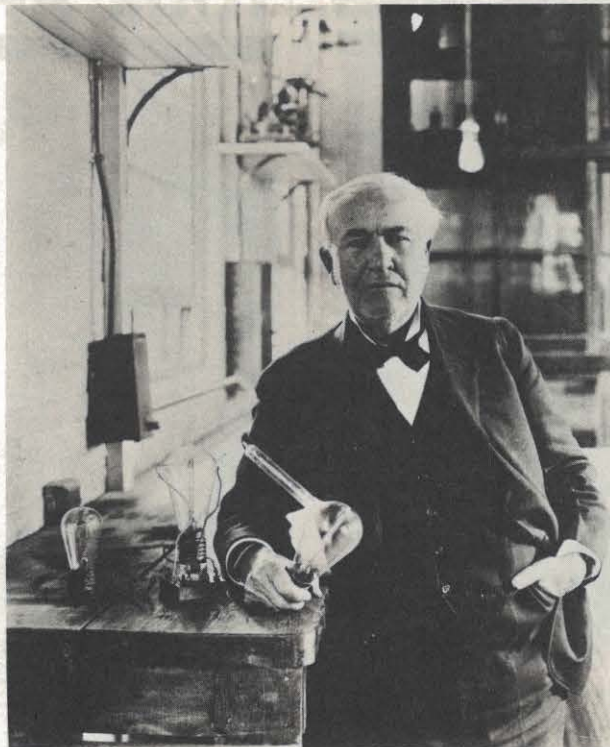
Soon after visiting Wallace, Edison said (correctly, as it turned out): "I saw that what had been done had never been made practically useful. The intense light had not been subdivided so that it could be brought into private houses."

Never one to let his vivid imagination interfere with practicality, Edison boasted to a reporter in September, 1878, that he already knew the secret of subdividing electrical current. His dream soared high: He would light streets, houses, factories; he would manufacture quantities of electricity and would deliver it to individual rooms.

Edison predicted that he could subdivide electrical current so that individual lamps could be lighted or turned off without affecting all other lights on the same circuit. Moreover, his current would light entire towns, provide energy for cooking and heating, and even create power to run small motors.

The time required to do all this? Oh, about six weeks, Edison said grandly.

That response brought an indignant howl from John T. Sprague, the noted English electrician, who responded: "Neither Mr. Edison nor anyone else can override the well-know laws of Nature, and when he is made to say that the same wire which



brings you light will also bring you power and heat, there is no difficulty in seeing that more is promised than can possibly be performed . . ."

Official England agreed that Edison was whistling in the dark. Knowing absolutely nothing about electricity, Parliament conducted a full-scale "investigation" of Edison's claims and concluded early in 1879 that Edison's work might be "good enough for our transatlantic friends," but was not "worthy of the attention of our practical or scientific men."

Sprague and Parliament notwithstanding, much of the rest of the world believed that whatever the "Wizard of Menlo Park" promised must come about. Edison's prediction of unlimited electrical energy had sent stock prices of gas companies plummeting in the world's markets.

The vain promise of six weeks was exposed soon enough. Month after month wore away. Tension mounted, for the researchers at Menlo Park knew that many others were nearly as close as Edison to the elusive, inexpensive incandescent lamp.

Edison's thoughts, jotted down in an ever-handy notebook, tell an agonizing story. He wrote on January 29, 1879, "Suffered the pains of Hell with my eyes last night from 10 p.m. till 4 a.m., then got to sleep with a big dose of morphine. Eyes getting better and do not pain much at 4 p.m., but I lose today!"

Edison's anguish could not bear a day lost without a practical lamp. He already had made hundreds of short-burning extremely expensive incandescent lamps using platinum and other scarce materials. Only the very rich could have afforded them. He knew the secret, but the cost was beyond bearing.

Edison and his team inched closer through the summer and into the early autumn of 1879. Then success hung on a thread as the third week in October neared an end.

The story of that third epoch weekend is familiar to nearly everyone: Edison rolled a piece of ordinary thread in carbon, shaped it as a filament, hardened the carbonized thread in a furnace, put it in a bulb, exhausted the vacuum, and lighted the lamp on the evening of October 19, 1879.

The carbonized thread glowed through the night, through another whole day, and on into a second day until Edison increased the power at the end of 40 hours, and the lamp burned out in a blaze of glory.

In seeking to improve the light bulb, he sought the ideal material for a filament. Bamboo proved the most promising, and in order to find which specimen was best, Edison organized expeditions (which cost his backers \$100,000) all around the world to find the "perfect bamboo." Of the 6,000 specimens obtained, three proved satisfactory. Eventually he utilized an artificial filament, but in the early years of electric lighting, carbonized bamboo burned in every bulb.

Next, Edison created an electric lighting system. He invented a new dynamo as well as new types of machinery. He set up the organization which was the forerunner of today's large utilities.

When the first power station was being built on Pearl Street in Manhattan, Edison displayed his usual wholehearted dedication to his work and often slept in the cellar of the building with the workmen after they had spent all day laying and testing the power mains.

Electric service was initiated at 3 p.m. on September 4, 1882. J. P. Morgan's Wall Street bank was the first customer. Mr. Morgan and the board members of the Edison Illuminating Company gathered with Edison in Morgan's office, along with directors of the Edison Electric Light Company and reporters from *Scientific American* and the city's newspapers.

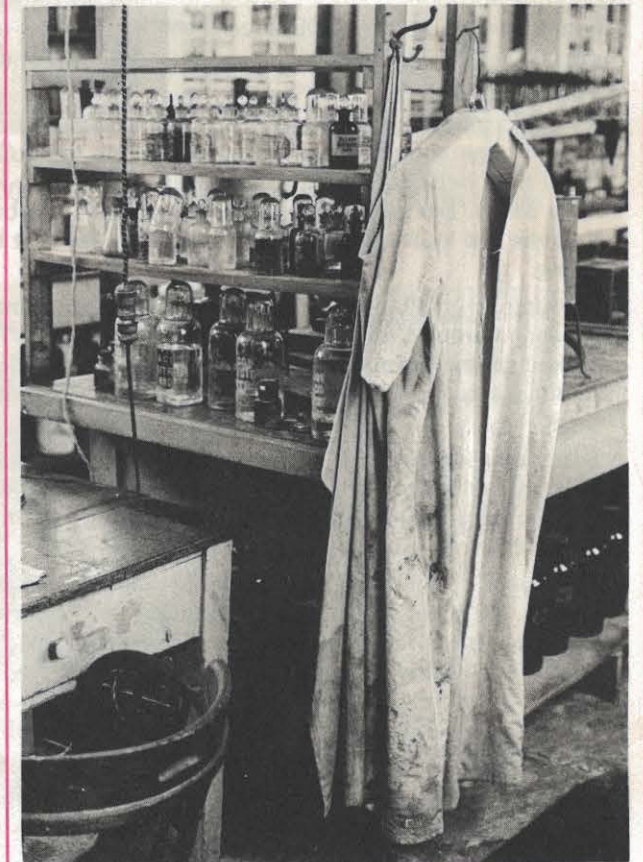
As the clock hands swept toward the appointed hour of three, one of the directors said to Edison, "One hundred dollars says the lights don't go on." "Taken," Edison replied, and reached for the switch. The bulbs in Morgan's office came to life. "I have accomplished all that I promised," said Edison. Soon afterward, the 206 lamps in Morgan's bank were joined by those in neighboring buildings.

Edison's invention of the electric light was the climax of his career. It was a peak he never again reached, although he worked on for more than half a century and patented over 1,000 inventions. At the time of his death at 84, it was estimated that his business interests, largely due to his multiple inventions, amounted to over \$25.6 billion.

But money for Edison was merely the means to finance new experiments. He sold his interest in one invention to pay for the research expenses on the next. If he had been willing to retain and exploit all his patents, he could have built a personal fortune to dwarf that of John D. Rockefeller.

His work opened the door for luxuries and labor-saving devices in the home, such as toasters, air conditioners, thermostats, refrigerators, radio, and TV. The typewriters, computers, and elevators in our offices are offshoots of Edison's work.

By bringing light to the world, Edison is responsible — directly or indirectly — for a multitude of other inventions which brought about vast improvements in the quality of life for people in America and elsewhere.



On October 14, 1931, Edison hung up his lab coat and went home. He died four days later.

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