

1,000th Electrically Heated Home Is Announced By REA

C. E. Viverette, General Manager of Blue Ridge Electric Membership Corporation has announced the connection of the 1000th electrically heated home on the cooperative's lines. The home is the Alleghany-Grayson parsonage at Sparta in Alleghany County.

The Reverend and Mrs. Shirley T. Jones have been present-

ed with a certificate, recognizing the home as the 1,000th electrically heated home on the cooperative's system, by James Allen, Jr., District Manager. The certificate, which carries the corporate seal of the cooperative states that, "Blue Ridge Electric Membership Corporation hereby presents the 1000th electrically heated home

award to the Alleghany-Grayson Charge Parsonage in recognition of its being the one-thousandth electrically heated home served by Blue Ridge Electric Membership Corporation."

In addition to the home's being the 1000th home in the area to use electricity as the sole source of energy for light, heat and power, it has also received the Gold Medallion Award, The Gold Medallion Home program is a national recognition program carried on throughout the electrical industry for homes meeting standards of electrical excellence.

Blue Ridge Electric's heating program began to take shape in the late 1950's and at the end of 1960 approximately 125 homes were electrically heated. By the end of 1965 there were 695 homes which were heated electrically, and in 1967 another 192 homes, either new or remodeled, began using electricity as their heating source on the cooperative's lines.

Viverette stated that the directors, management and staff of the cooperative are proud to have reached this milestone in their operation, and congratulate the Reverend and Mrs. Jones and the building committee of the churches for receiving this honor.



LATE SUMMER CATCH—Fred R. Greene of Vilas displays a 27 and one-half inch pike he caught out of Watauga Lake Saturday, Aug. 24. The finny fellow weighed eight and a half pounds and was Greene's second big catch for the season.

Broyhill Asks Mobilization To Combat Juvenile Crime

Congressman James T. Broyhill urged mobilization of resources at community levels to combat the problem of juvenile crime in a speech today to the Gastonia Optimist Club.

The North Carolina Congressman declared that greater opportunity for self-improvement ought to be made available locally, "not by a hand-out from Washington, but by local initiative combining resources of schools, Federal programs, civic organizations, and private industry and commerce."

"These things," Broyhill declared, "should not be bogged down in visionary dreams that disappear as soon as it is faced. Still, there is, I am sure, a large territory in the realm of the possible that has not been explored."

Broyhill criticized the system of public welfare which he said is regressive and often destroys the initiative for people to obtain skills they need to depend upon themselves. National and local emphasis, he said, should be on programs that will help welfare recipients, wherever possible, to find employment so that they can become self-supporting and productive members of society.

The Congressman praised the activities of such civic organizations as Optimist International which assist young people. "Among the issues facing the nation," Congressman Broyhill declared, "none has a

higher priority than attention to the needs of our young people." Summarizing the work of the civic organization, he explained, "Here again, we see the pattern that we know so well in America—busy people coming together to work hard to do a job that needs doing—to fill a vacuum, to stake out a project that will help others. This is surely one of the finest attributes we Americans have. And it just as surely comes from the fact that we know in this country that we must do things for ourselves. We cannot wait for others to tell us what our problems are. We know, too, that there never was a time when Americans were not challenged with problems, although I must admit

there have been times when things were a little more calm than they are today."

Defensive Tactics
The Accused—There's the lawyer we stuck up. It's all up with us. He's going to testify against us.

His Accomplice—Not this time, he won't. I've hired him to defend us.

Lifetime Savings
Jackson—"Did you hear the one about the traveling salesman's estate?"
Jimson—"Spring it."
Jackson—"He left 500 towels, 200 cakes of soap, three dozen plated spoons and eleven pounds of hotel door keys."

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Boone Auto Exchange

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Nice Clean Cars

Large Assortment—Large, Medium, Small

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Valle Crucis Club To Hear Dr. Glenn

The Valle Crucis Community Club will hold its regular monthly meeting Monday night, Sept. 9, at 6:30. After a covered dish supper, Dr. Robert L. Glenn of Mountain City, Tenn., will speak on the Eye-Bank program.

Everyone is cordially invited to attend.

Explain
She—Sometimes you seem so manly and other times absurdly effeminate. Why is it?
He—Hereditarily. You see, half my ancestors were men and the other half women.

How Many Phones Will Ring In '91?

Old timers in Western North Carolina have a "neck of the woods" with which they are intimately familiar. Southern Bell's Forecast Supervisor, R. A. (Bob) Friedlander of Asheville has a whopping big 2800 square mile territory over which to roam and make telephone growth forecasts.

Working together with local manager B. B. Leazer and his telephone coordinates, Friedlander has the challenging job of forecasting the "how much" "when" and "where" new telephone lines and numbers will be needed. The need is projected for the short range and for longer economical intervals through 1991.

Leazer states that telephone engineers would find their jobs less challenging if they had an unlimited budget to spend for the outside plant network of wires and cables which cover the community reaching out from the local switching office. Since an unlimited budget is not economically possible, the forecaster must project growth rates throughout the district so that the engineers can get the most for the dollar with Southern Bell's capital expansion dollars, which amount to \$62 million

in 1968 in the western district or 1.5 million in the Lenoir, Boone, Blowing Rock area. Precise growth forecasts are vital in the battle to hold subscriber costs down by thrifty use of the annual expansion budget.

Friedlander's main objective is to forecast the area growth so that the telephone lines are there when they are needed. Economical operation dictates not putting cable in place before it is needed. Local interdepartmental coordination is a must to keep the "needed dates" and the "inplace" dates close together.

In addition to driving the territory for a first hand knowledge of household and business growth, Friedlander confers with builders, developers, and city planners to keep in close touch with the short and long range community growth.

What are some of Friedlander's futuristic findings? By 1991 Southern Bell's western district will double its 150,000 telephones now in service. Usage of individual phones will probably triple as the need to communicate becomes stronger.

EVENING CLASSES

VOCATIONAL-TECHNICAL PROGRAMS

FALL QUARTER - 1968

<p style="text-align: center;">BUSINESS</p> <p>T-BUS 101 Introduction to Business Tues. 6-9Thurs. 6-8 \$13.50 A survey of the business world with particular attention devoted to the structure of the various types of business organization, methods of financing, internal organization, and management. Prerequisite: None</p> <p>T-BUS 102 Typewriting Tues. 6-8:30Thurs. 6-8:30 \$8.50 Introduction to the touch typewriting system with emphasis on correct techniques, mastery of the keyboard, simple business correspondence, tabulation, and manuscripts. Prerequisite: None</p> <p>T-BUS 103 Typewriting Mon. 6-8:30 Wed. 6-8:30 \$8.50 Instruction emphasizes the development of speed and accuracy with further mastery of correct typewriting techniques. These skills and techniques are applied in tabulation, manuscript, correspondence, and business forms. Prerequisite: T-BUS 102 or the equivalent. Speed requirement, 30 words per minute for five minutes.</p> <p>T-BUS 106 Shorthand Mon. 7-10, Wed. 8-10 \$11.00 A beginning course in the theory and practice of reading and writing shorthand. Emphasis on phonetics, penmanship, word families, brief forms, and phrases. Prerequisite: None</p> <p>T-BUS 112 Filing Mon. 6-7, Wed. 6-8 \$8.50 Fundamentals of indexing and filing, combining theory and practice by the use of miniature letters, filing boxes and guides. Alphabetic, Triple Check, Automatic, Geographic, Subject, Soundex, and Dewey Decimal filing. Prerequisite: None</p> <p>T-BUS 115 Business Law Mon. 6-8, Wed. 6-7 \$8.50 A general course designed to acquaint the student with certain fundamentals and principles of business law, including contracts, negotiable instruments, and agencies. Prerequisite: None</p> <p>T-BUS 120 Accounting Mon. & Thurs. 8-10Wed. 7-10 \$16.00 Principles, techniques and tools of accounting, for understanding of the mechanics of accounting. Collecting, summarizing, analyzing, and reporting information about services and mercantile enterprises, to include practical application of the principles learned. Prerequisite: T-MAT 110.</p> <p>T-BUS 233 Personnel Management Tues. 6-7:30Thurs. 6-7:30 \$8.50 Principles of organization and management of personnel, procurement, placement, training, performance checking, supervision, remuneration, labor relations, fringe benefits and security. Prerequisite: None</p>	<p style="text-align: center;">AUTOMOTIVE</p> <p>AUT 1121 Braking Systems Mon. 6-10 \$6.00 A complete study of various braking systems employed on automobiles and light weight trucks. Emphasis is placed on how they operate, proper adjustment, and repair. Prerequisite: PHY 1102.</p> <p>AUT 1124 Automotive Power Train Systems Wed. 6-10 \$6.00 Principles and functions of automotive power train systems: clutches, transmission gears, torque converters, drive shaft assemblies, rear axles and differentials. Identification of troubles, servicing, and repair. Prerequisites: PHY 1102, AUT 1123.</p> <p>PME 1101 Internal Combustion Engine Tues. & Thurs. 6-10 \$11.00 Development of a thorough knowledge and ability in using, maintaining, and storing the various hand tools and measuring devices needed in engine repair work. Study of the construction and operation of components of internal combustion engines. Testing of engine performance, servicing and maintenance of pistons, valves, cams and camshafts, and exhaust systems, cooling systems; proper lubrication; and methods of testing, diagnosing and repairing. Prerequisite: None.</p>
<p style="text-align: center;">ELECTRICAL INSTALLATION AND MAINTENANCE</p> <p>ELC 1124 Residential Wiring Mon. & Wed. 6-10 \$11.00 Provides instruction and application in the fundamentals of blueprint reading, planning, layout, and installation of wiring in residential applications such as: services, switchboards, lighting, fusing, wire sizes, branch circuits, conduits, National Electrical Code regulations in actual building mock-ups. Prerequisite: ELC 1113, DFT 1110.</p>	<p style="text-align: center;">MACHINIST</p> <p>MEC 1113 Shop Processes Mon. 8-10, Wed. 7-10 \$8.50 Study of practices used in metalworking shops; introduction to new materials can be utilized, and to the processes of shaping, forming, and fabricating of metals. Demonstration of the metalworking lathes, grinders, drills, milling machines, shapers, planers, saws, broachers, gear cutting machines and finishing machines. A study of the capabilities of these machines. Prerequisite: None</p>
<p style="text-align: center;">MATHEMATICS</p> <p>T-MAT 101X Technical Mathematics Tues. 6-7Wed. & Thurs. 6-8 \$13.50 The real number system is developed as an extension of natural numbers. Number systems of various bases are introduced. Fundamental algebraic operations, the rectangular coordinate system, as well as fundamental trigonometric concepts and operations are introduced. The application of these principles to practical problems is stressed. Prerequisite: Satisfactory evidence that admission requirements have been met.</p> <p>MAT 1101 Fundamentals of Mathematics Mon. & Wed. 6-8:30 \$13.50 Practical number theory. Analysis of basic operations: addition, subtraction, multiplication and division. Fractions, decimals, powers and roots, percentages, ratio and proportion. Plane and solid geometric figures used in industry; measurement of surfaces and volumes. Introduction to algebra used in trades. Practice in depth. Prerequisite: None.</p> <p>MAT 1103 Geometry Tues. 6-7 Thurs. 6-8 \$8.50 Fundamental properties and definitions; plane and solid geometric figures, selected general theorems, geometric construction of lines, angles and plane figures. Dihedral angles, areas of plane figures, volumes of solids. Geometric principles are applied to shop operations. Prerequisite: None.</p> <p>MAT 1104 Trigonometry Mon. 6-8, Wed. 6-7 \$8.50 Trigonometric ratios; solving problems with right triangles, using tables, and interpolating; solution of oblique triangles using law of sines and law of cosines; graphs of the trigonometric functions; inverse functions, trigonometric equations. All topics are applied to practical problems. Prerequisite: MAT 1102, MAT 1103.</p>	<p style="text-align: center;">DRAFTING</p> <p>DFT 1121-1 Drafting (Part Time) Mon. & Wed. 6-10 \$11.00 An introduction to drafting and the study of drafting practices. Instruction is given in the selection, use and care of instruments, single-</p> <p style="text-align: center;">DATA PROCESSING</p> <p>T-EDP 104 Introduction to Data Processing—System Tues. 7-10Thurs. 8-10 \$11.00 Fundamental concepts and operational principles of data processing systems, as an aid in developing a basic knowledge of computers, prerequisite to the detail study of particular computer problems. This course is a prerequisite for all programming courses. Prerequisite: None.</p> <p>T-EDP 108 Scientific Programming Languages Mon. & Wed. 7-10 \$11.00 The study of scientific compiler languages. The student programs in a current applicable scientific language, FORTRAN, with an introduction to ALGOL and GOTRAN. Prerequisite: T-EDP 104 and 106.</p>
<p style="text-align: center;">ELECTRICAL</p> <p>ELC 1112 Direct and Alternating Current Tues. & Thurs. 6-10 \$11.00 A study of the electrical structure of matter and electron theory, the relationship between voltage, current, and resistance in series, parallel, and series-parallel circuits. An analyses of direct current circuits by Ohm's Law and Kirckhoff's Law. A study of the sources of direct current voltage potentials. Fundamental concepts of alternating current flow, reactance, impedance, phase angle, power, and resonance. Analysis of alternating current circuits. Prerequisite: None.</p>	<p style="text-align: center;">TEXTILE PRODUCTION</p> <p>TEX 1104 Textiles Fibers Tues. & Wed. 7-10 \$8.50 A study of the physical, chemical and aesthetic properties of the major natural and man-made textile fibers. Included are methods of measuring properties, influence of fiber moisture regain on physical properties, and processing characteristics. Fiber identification by laboratory analysis is included. Prerequisite: None.</p> <p>TEX 1110 Knitting Mon. & Thurs. 6-10 \$11.00 A study of the selection and preparation of knitting yarns, knitting mechanisms and the structure of different types of spring and latch needle fabrics. The operation and adjustment of the basic types of knitting machines are included in this course. Laboratory exercises are included. Prerequisite: TEX 1108.</p> <p>PHY 1101 Applied Science Tues. 7-10 Thurs. 8-10 \$11.00 An introduction to physical principles and their application in industry. Topics in this course include measurement; properties of solids, liquids, and gases; basic electrical principles. Prerequisite: MAT 1101.</p>
<p style="text-align: center;">WELDING</p> <p>WLD 1120 Oxacetylene Welding and Cutting Tues. & Thurs. 6-10 \$11.00 Introduction to the history of oxacetylene welding, the principles of welding and cutting, nomenclature of the equipment, assembly of units, welding procedures such as practice of puddling and carrying the puddle, running flat beads, butt welding in the flat, vertical and overhead position, brazing, hard and soft soldering. Safety procedures are stressed through the program of instruction in the use of tools and equipment. Students perform mechanical testing and inspection to determine quality of the welds. Prerequisite: None.</p> <p>WLD 1124 Pipe Welding Mon. & Wed. 6-10 \$11.00 Designed to provide practice in the welding of pressure piping in the horizontal, vertical, and horizontal fixed position using shielded metal arc welding processes according to Sections VIII and IX of the ASME code.</p>	<p style="text-align: center;">FURNITURE</p> <p>FURN 1108 Furniture Manufacturing and Processing Equipment I Tues. 6-10 \$6.00 This course deals with the setting up, operating procedures, capacities, and safety in working with various pieces of furniture equipment tenoner, knife grinding machine, and sanding equipment.</p> <p>ISC 1102 Industrial Organization & Management Thurs. 6-9 \$8.50 Organizational structure for industrial management; operational and financial activities, including accounting, budgeting, banking, credit and industrial risk, forecasting and markets, selection and layout of physical facilities; selection, training and supervision of personnel as found in typical industrial organizations. Prerequisite: None.</p>

All Classes Approved for Veterans Training Program

Registration Sept. 16, 17, 18

7-9 P. M.

Classes Begin Sept. 23

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