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(See Pages 6-7)

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Each month you'll receive the interesting GARDEN NEWS magazine with full color pictures announcing the following month's selection plus many alternates available. You always have your choice each month of taking a month's selection or not. GARDEN NEWS also contains gardening hints, facts, useful tips, legends, and tells about other unusual and popular plants for the garden.

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Tennessee MAGAZINE

Official Publication of the
**TENNESSEE ELECTRIC
COOPERATIVE ASSOCIATION**
Executive, editorial and
advertising offices:

710 Spence Lane, P.O. Box 7232
Nashville, Tenn. 37210
J. C. Hundley, Executive Manager

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POSTMASTER: In using Form 3579 please give our key number and mail to The Tennessee Magazine, Box 7232, Nashville, Tenn. 37210.

THE TENNESSEE MAGAZINE is published monthly as an educational and informational service to members of rural electric cooperatives in Tennessee and in behalf of the welfare of their program. Second class postage paid at Memphis, Tennessee. Published monthly, at 3781 Lamar Avenue, Memphis, Tennessee 38118. Subscription price: 75¢ per year for members and \$1.00 per year for non-members.

Printed and mailed by Shea/Rustin, Inc., Atlanta



ON THE COVER

TODAY'S PROMINENT LANDMARK of the University of Tennessee's Knoxville campus, observing its 175th anniversary, is the new McClung Tower—a 14-story building housing the humanities and social sciences. In the foreground is The Volunteer Symbol, a heroic-size statue depicting the forward-moving spirit of the Volunteer State.



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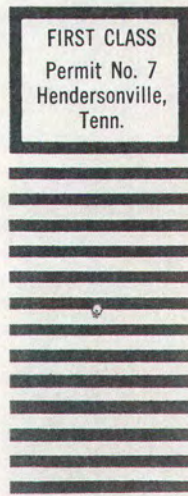
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To The Point

by John E. Stanford

In this Space Age when already we have twice placed men on the moon but still haven't been able to figure out how to safely get a pedestrian across the street in the big cities, we sometimes forget that many of today's marvels had their beginnings many years ago, in some cases centuries. Electricity, for example, has been in existence since, probably, creation, but not, of course, in controlled form for our use. It has been more than 200 years since Benjamin Franklin made his famous kite experiment and it has been fewer than 100 years that central station electric service has been available to those in the big cities who wanted it. Rural electrification to any extent—meaning when rural electric co-ops came into existence—goes back only one third of a century.

One of many enlightening facts about electricity can be learned by considering the word's origin. It comes from the Greek 'elektron,' which means "amber." Electricity was given this name because amber was the first substance known to have been electrified by rubbing.

The ancient Greeks also knew that a certain iron would attract bits of iron and steel. But not until the 18th century did man begin to know how to control electricity.

Benjamin Franklin in 1752 made his famous experiment with a kite in which he proved that lightning consists of electricity. Later he invented the lightning rod.

The discoveries of an Italian, Volta; a Frenchman, Ampere; a Dane, Oersted; an Englishman, Faraday; and an American, Henry, finally brought men to the threshold of instantaneous long-distance communication and other advances.

Thus modest beginnings sparked the all-encompassing, present-day use of electric power, without which modern living could not go on. Today, lighting, tools and machines, trains and streetcars, telephones, radios and television sets are only a few of the devices dependent upon electricity.

In 1835, Samuel Morse, captivated by the idea that "an electric current can flow from here to any other part of the world in less than a second," invented the telegraph. Just how does electricity flow through a wire?

Wire—like everything else—is made of many atoms. Tiny parts of the atom (electrons) are made to bump neighboring electrons which in turn bump others causing a flow of electrons which are known as electricity.

The first experimental telegraph line was set up between Washington and Baltimore in 1844. A few

years later, telegraph wires stretched across America from town to town and through Europe from country to country.

Alexander Graham Bell's first successful telephone message traveled 40 feet, from one room to another, in 1876. Man's voice now speeds over a vast network of telephone "highways."

A generation after Bell's first telephone, Guglielmo Marconi successfully transmitted electrical impulses between distant points without wires. Electromagnetic vibrations in the atmosphere—or radio waves—were the "carriers."

An American, Lee DeForest, in 1906, developed the first "audion" tube, the vacuum tube which makes it possible to transmit by radio the human voice as well as code signals.

In 1915, the first transcontinental telephone line was opened between New York and San Francisco. That same year man's voice for the first time crossed the Atlantic from Arlington, Virginia, to the Eiffel Tower in Paris.

More than 95 percent of the homes in the United States are electrically lighted today. So are stores, theaters, public buildings and most city streets. What makes a light bulb light?

Many electrons flow through a wire in the bulb, so many that this tiny wire gets white hot. It glows brightly. The wire does not burn up because fire needs air, which light bulbs do not contain.

Modern use of electric power is possible because electric generators can provide it in huge amounts. The generators run in large central stations known as power plants. A few men tending the machines can produce power enough to supply a large city and surrounding country.

There are many more household uses of electricity. It gives heat for ranges, water heaters, irons, toasters, fans, washers, razors and a host of other appliances. More than 95 percent of the farms in the United States use electrical power, almost 99 percent in Tennessee.

When electrical devices were substituted for the steam engine, factories were able to produce far more for less cost. The work of many different machines was combined into one continuous operation and automatically controlled. Men labored fewer hours and earned more money.

In the age of space exploration the history of electricity has many more "current" and future applications. We are, literally, just now scratching the surface, beginning with the moon a quarter of a million miles away.

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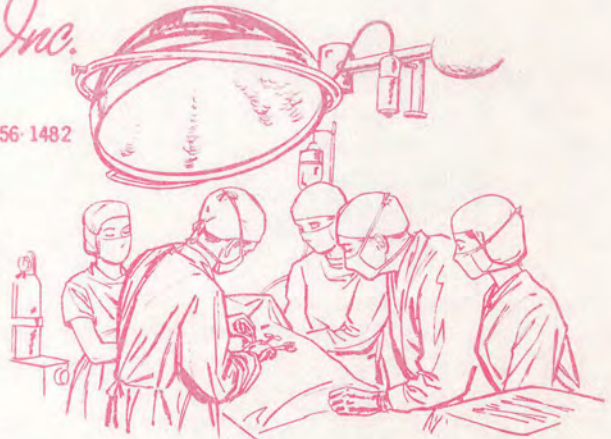
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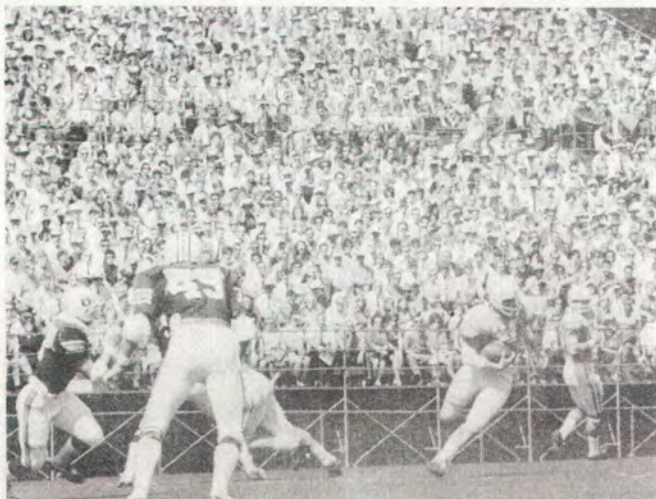
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The University of Tennessee Observes Its 175th Anniversary



The 28th oldest and 22nd largest university in America . . .

The nation's first co-educational college . . .

One of the largest graduate study and research centers in the nation . . .

It all began Dec. 1, 1792, when the Rev. Samuel Carrick, a frontier Presbyterian minister, ran an advertisement in the Knoxville Gazette:

"A seminary will be opened on the first day of January at the seat, and under the direction of the subscriber, near Knoxville, where will be taught, a competent introduction to the Latin and Greek languages."

Carrick taught school in his home—at the rate of \$14 annually per student.

Two years later, with Carrick as its president, Blount



College opened its doors and became the forerunner of The University of Tennessee.

Today the University of Tennessee enrollment is an estimated 34,700—and its facilities span the state, from Tri-Cities to Memphis.

U-T officially began the observance of its 175th birthday on Sept. 10, using "Distinguished Past—Dynamic Future" as the theme for its year-long celebration.

The University's predecessor, Blount College, was created by the territorial legislature two years before Tennessee became the nation's 16th state. This college was unique.

It was one of the earliest colleges established in America and was among the first non-denominational colleges created in an era when most institutions were sponsored by religious organizations. It was the first co-educational college in America, enrolling the first girls in 1804.

Since its origin, Blount College has grown into East Tennessee College, East Tennessee University and finally The University of Tennessee. It is the official state university and the state's federal land grant institution.

Its present status—a multi-campus institution consisting of 20 colleges and schools offering a broad spectrum of specialized studies—indicates a truly dynamic future.

U-T may have begun in Knoxville, but in 175 years it has extended its mission into every county in Tennessee.

Primary campuses are located in Knoxville, Memphis, Chattanooga and Martin. Specialized research and study centers are located in Tullahoma, Nashville, Kingsport and Oak Ridge. U-T's newest campus—at Chattanooga — officially became part of the University on July 1.

Extension Division offices are situated in key locations across the state, and U-T county agents and home demonstration agents serve in every county.

U-T has the advantage of an eminent faculty, capable of molding future leaders of business, industry, agriculture and all the other professions. Its traditional three-fold mission of teaching, research and public service is geared to keeping pace with a changing society.

In the days of Blount College, the school's faculty consisted of one man—Carrick—and initially there were only five students enrolled, even though Carrick ran an advertisement for six weeks:

"The Trustees of Blount College, having directed the president to open the business of tuition, as soon as a sufficient number of students can be engaged; those who wish to be admitted are desired to apply before Thursday the 22nd of January next."

Today the University has expanded its faculty into an impressive community of scholars—employing about 2,000 full-time teachers and another 2,000 part-time instructors. U-T offers 308 degree programs.

U-T's physical facilities are designed for years to come. And its teaching and research efforts are linked with the resources of some of the nation's most prominent federal installations—Tennessee Valley Authority, the Oak Ridge National Laboratory, The Air Force's Arnold Engineering Development Center, the Great Smoky Mountains National Park.

U-T's academic program and curriculum have been growing steadily for 175 years—now offering more than 6,000 courses designed to provide the student with the diverse training needed to live and work in the challenging decade of the 70's and beyond. The academic beginnings were ambitious—and again Carrick ran a newspaper ad in the Gazette, telling of courses in "liberal arts and sciences, viz. geography, natural and moral philosophy, astronomy and rhetoric."

Today the major fields, alone, include arts and sciences, agriculture, architecture, basic medical sciences, biomedical sciences, business administration, dentistry, education, health and physical education, engineering, graduate study, home economics, journalism, law, medicine, nursing, pharmacy, planning, social work and space sciences and aerospace engineering.

A large part of U-T's public responsibility and service lies in the fields of academic research for both the government and private industry. Since 1963, U-T has received nearly \$80 million in federal research funds.

"We have a responsibility for making educational opportunities available for citizens in every section of the state at every academic level," said Dr. Andrew D. Holt, the U-T president.

The statewide services and programs of U-T range from soil testing by the Agriculture Extension Service to recommendations for public school system improvements by consultants in the College of Education.

The Extension Division's programs, including correspondence courses, educational films, conferences and research assistance, reached more than 1 million Tennesseans last year.

U-T's phenomenal growth—in instruction, research and public service—has been demonstrated graphically in the expansion of its physical plant. The 40-acre hill in West Knoxville, now a priceless symbol of U-T's distinguished past, was bought for only \$600 in 1826.

In the past decade alone, the value of the physical plant has almost tripled—rising from \$70 million in 1960 and more than \$200 million in 1969. And the vast expansion program continues, with another \$34 million in buildings scheduled to begin in the 1961-71 biennium.

In preparing for the tidal wave of enrollments of the 60's—an aftermath of what Dr. Holt referred to years ago as the projected "post World War II baby boom"—the University established a campus development



Mr. J. C. Hundley
Tennessee Electric Cooperative Association
710 Spence Lane
Nashville, Tennessee 37210

Dear Mr. Hundley:

We deeply appreciate the beautiful resolution concerning the University of Tennessee's 175th anniversary which was adopted by the Tennessee Electric Cooperative Association at its 28th annual meeting. We also appreciate the very fine relationship which our institution has enjoyed with your fine Association through the years.

The Tennessee Electric Cooperative Association is certainly rendering outstanding service to the people of our state, and we extend to you and your member systems our best wishes for continued success.

With warmest personal regards, I am

Sincerely yours,

A. D. Holt
President

organization with professional planners to insure that the growth would be orderly and effective.

Campus planners have been able to design the University's growth so that its buildings are not only highly functional but also esthetically stimulating for students and faculty as a place to live and study.

(Continued on Page 11)

YOU'VE COME A LONG WAY, BABY

By Mary Ann Pitt, Home Service Advisor
Meriwether Lewis Electric Cooperative

Yes, we have come a long way in laundry equipment and laundry areas as well. Who wants to remember the good old laundry days?

Laundry seems to be one household chore that never ceases. The new easy care fabrics have helped greatly to lessen the homemaker's chore, but washing and drying are still necessary.

Planning the right space and selecting the right equipment for each step in the laundry process is the answer to convenient and efficient operation. The essential pieces of electrical equipment include washer, dryer, automatic quick recovery water heater and steam and dry iron.

With the arrival of attractive, automatic laundry equipment, the laundry area may be moved from "out of the way" places into the most convenient location for the homemaker. Notice the pictures on the opposite page.

Today you may place the laundry centers in any part of the house you choose. This may be near the bedroom—bath area, where most of the family laundry originates, or in the powder room, hall, kitchen, or the family recreation room. The wide selection of style and color of equipment invites the choice of place most convenient for its use.

The sole purpose of a home laundry is to make the family wash as efficient an operation as possible. In a well arranged laundry, you will find the four centers arranged for convenient pattern of work. These centers are for preparation of clothes for washing, the washing itself, drying, and the finishing of clothes.

If you are right handed, your work will progress from right to left. The sequence of wash for right handed women will start with the preparation center on the extreme right; the washer to the left of the preparation center; and the dryer to the left of the washer. To lessen steps and for ease of loading and unloading, the washer and dryer should be placed side by side. At least five feet of space should be allowed for a washer and dryer, to assure some ease room.

If you have included in your New Year's resolutions to improve your laundry equipment or area this year, stop by your local electric cooperative and ask for the booklet, "Planning a Functional Laundry for Your Home." It's yours free for the asking.

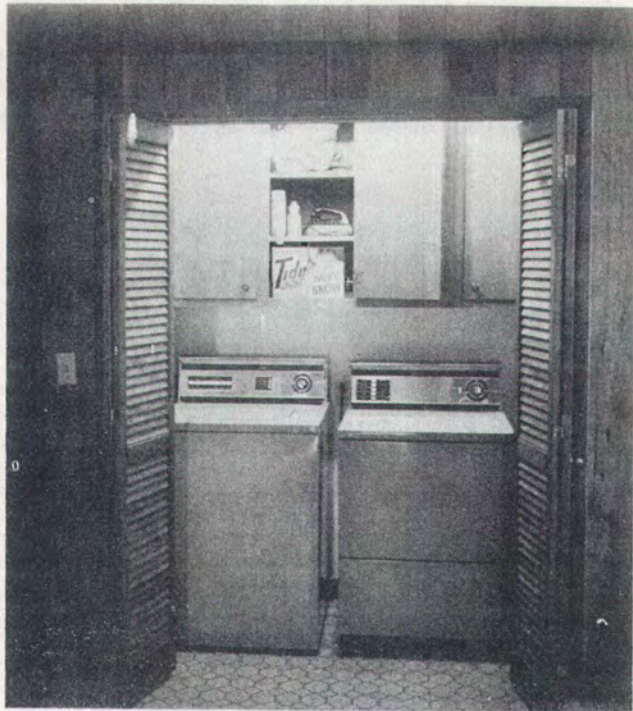
Won't you agree we have come a long way baby from the backyard kettle of water to modern, push button electric laundry equipment?



Attractive laundry equipment blends right in with one corner of the kitchen located away from the main work centers of the kitchen.



Many families are finding it convenient to locate laundry equipment in the bathroom—bedroom area. This is a logical place since most of the laundry originates in this area of the home.



Louvered doors can hide away a laundry area in any part of the home. This laundry area is located within a family room. Wall cabinets above provide storage space for laundry aids. This idea could also be used off a hall or kitchen also.



A combination washer-dryer permits the complete laundering job to be done from start to finish with no interruptions. They are space savers and allow a wide choice of locations for installation—kitchen, bathroom, family room or hall area.



YESTERDAY'S RECIPE FOR LAUNDERING

1. BUILD FIRE IN BACK YARD TO HEAT KETTLE OF WATER.
2. SET TUB SO SMOKE WON'T BLOW IN EYES IF WIND IS STRONG.
3. SHAVE ONE CAKE OF LYE SOAP IN BOILING WATER.
4. SORT CLOTHES. MAKE THREE PILES... ONE OF WHITE CLOTHES, ONE OF COLORED CLOTHES, AND ONE OF WORK PANTS, ETC.
5. MAKE STARCH. (MAKE SMOOTH PASTE FROM FLOUR AND COLD WATER THEN POUR IN BOILING WATER AND STIR UNTIL THICK.)
6. RUB DIRTY SPOTS ON BOARD. SCRUB HARD, THEN BOIL. RUB COLORED CLOTHES BUT DON'T BOIL. RINSE AND STARCH.
7. TAKE CLOTHES OUT OF KETTLE (WITH BROOM STICK) THEN RINSE, BLUE AND STARCH.
8. HANG CLOTHES ON LINE.
9. POUR RINSE WATER IN FLOWER BEDS.
10. SCRUB BACK PORCH WITH HOT SOAPY WATER.
11. TURN TUBS UPSIDE DOWN.
12. BRING IN STARCHED CLOTHES AND SPRINKLE FOR IRONING. SORT AND FOLD ROUGH DRIED CLOTHES. (WATCH FOR SUDDEN SHOWERS.)



Balance Is The Key To Area Development

By H. C. Redmon, Electrification Advisor
Caney Fork Electric Co-op

AREA DEVELOPMENT are words in common use today, without the full impact of community support. Areas are made up of many communities. There are field workers at county, state and federal levels trying to reach untrained labor and fit them into jobs they are best qualified to do.

The greatest difficulty is locating them, getting them into training and employment. We know there is co-existence of unemployment and labor shortage.

Nobody is in a better position to pin point these individuals than cashiers, meter readers and bill collectors but apparently these people are not getting involved to any extent. The electric and telephone cooperatives and other public utilities, that are billing and collecting monthly, must become actively involved if we are to clean up the labor shortage and supply industry with the type labor they need.



Aaron Anderson, left, Manager of the Vamco Manufacturing Company, Inc. inspecting the work of Albert Colwell in the new furniture plant located in DeKalb County.

The locally owned Vamco Manufacturing Company, Inc., has opened up a new plant in Smithville, Tennessee, this past year. At present it is employing twelve people.

Our communities are prone to overlook locally owned corporations and they need our support most. Locally owned businesses employ people of your community, buy and use raw materials, take part in community activities, drop in the collection plate on Sunday mornings and all the profits remain in the area.

The Vamco Company prides itself in building quality furniture at a reasonable price. The residents of DeKalb County could benefit themselves by asking their dealers of the area to show

them Vamco products when they are going to purchase living room suits. In many instances, products are better and prices will be cheaper due to high advertising and shipping costs that must always be added to the finished product. In addition the money is being spent over and over again for labor and raw materials of your community.



Left to right: Avery Lawson and Elbert Bouldin demonstrating a nursery packaging machine. The machine speeds packaging of plants 10 times faster than the old method.



Avery Lawson with ball and potting machine which will run about 150 units per hour.

Bouldin & Lawson Nursery Equipment Company, McMinnville, Tennessee, is one of Warren County's newly organized and home owned companies.

The company is specializing in all types of nursery equipment such as: packing machines, that do balling and potting, leaf stripping, hull and

remove the pulp from dogwood berries and from other varieties of seeds that need scarifying.

The packing machine turns out packed plants at the rate of 600 per hour.

Mr. Leonard Guthrie, Manager and owner of the Guthrie Nursery Company of McMinnville, said the machine had speeded up the packing ten times above the old method. Mr. Guthrie packs and ships some 600,000 shrubs and trees per year.

Bouldin & Lawson also manufactures a machine that will ball and pot small shrubs at the rate of 150 plants per hour. This is a major asset and a great labor saving device.

Both Mr. Bouldin and Mr. Lawson are machinists by trade. They had many years of experience prior to the organization of their present company.

They began production of these products largely because local nurseries were in need of them and because local nurserymen would give needed guidance in the design and manufacture of these products. Mr. Lawson said: "Being located here in one of the largest Nursery Centers in the Nation has been a great advantage to the company and in the perfecting of the New Machines."

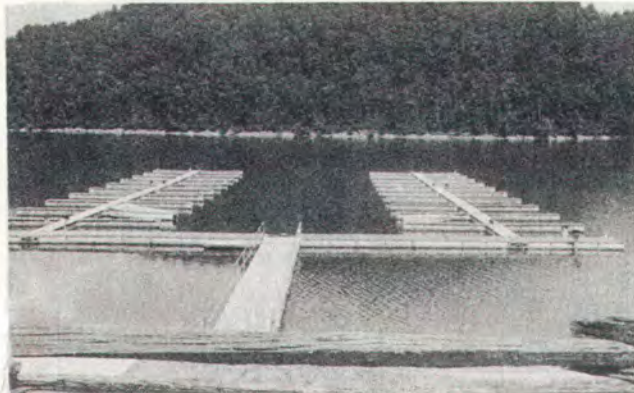
The machines were first built for local nurserymen and local nurserymen have been of great assistance to this company.

Here, where there are so many nurseries and their needs so widely diversified, Bouldin & Lawson are able to make and install machines and then to make whatever changes are needed from time to time based on actual experience by nurserymen of the area. Bouldin & Lawson are now shipping nursery equipment from Canada to Mexico, from New York to California.

They have just moved into a new plant and they plan to build all types of nursery equipment and to expand as business demands.

The Tourist Recreation Industry will soon become the largest in the nation. It is neglected in almost every community. We are prone to do too much smokestack chasing and neglect our natural resources that can be turned into ready cash year round.

Every phase of area and community development should progress together; therefore, every industrial promoter should carry one of these industries on one shoulder and one on the other. This provides a balanced economy, in addition to making our community a more prosperous and enjoyable place to live. The most rapid development is taking place where this dual effort is most prevalent.



A new recreational construction going in, in one of the new complexes on beautiful Center Hill Lake.

University of Tennessee

(Continued from Page 7)

If the typical U-T student of 1835 could visit one of U-T's ultramodern dormitories of 1969, he might comment: "You've come a long way, baby!"

U-T built its first dormitories in 1835 on the Knoxville campus. Although room and board then was only \$24 for each academic session, the first dorms were really designed only for sleeping and studying, with little regard for comfort.

In contrast, residence hall living today offers every convenience of home and then some. Each dorm is a miniature campus with its own organizations and student governments — with study lounges, recreation rooms, post offices and laundry services.

Students at Blount College, in the early 1800's, paid \$8 tuition and \$25 room and board for each session. At those prices in those days, only the rich could afford it.

Although these costs appear to be a fantastic bargain to modern students and their parents, U-T's present fees are still lower than those of most colleges.

But for students who find difficulty paying for their education at the University today, the U-T Financial Aids Office is ready to help secure part-time employment, an educational loan or a scholarship. The office helped more than 5,000 students to find extra funds last year.

"One out of every four students is seeking some sort of financial assistance today," said Richard Waters, director of financial aids on the Knoxville campus.

As the University grew in physical size and enrollment, the U-T Board of Trustees recognized the need for an extensive reorganization of the University's statewide system.

This reorganization established one central executive "system" under the direction of the University president, and a separate staff for all major campuses, each headed by a chancellor.

As it pays tribute to the past this year, the University will be anticipating a future that is as exciting, as challenging and as rewarding as only the world of tomorrow can be.



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MEMBER CONTROLLED

COOP COMMENTS

Has your home outgrown its wiring system? Seven out of ten homes have. Here's why. When your home was originally wired, there were ample circuits for all the electrical power you needed, but your family's demand for electricity grows by leaps and bounds; in fact, it doubles every ten years. So, if your home was wired about twenty years ago, you are probably using about four times the amount of electricity that the system was originally designed to carry. The natural result is overloaded circuits, blown fuses, flickering TV and dimmed lights. An overloaded circuit might be compared to a water pipe. Both have the capacity to carry a given amount. A small pipe, for example, gives fine service when there are only two faucets, but if eight are added to the same pipe, when all are in service, all you get out of each is a trickle. So it is with electrical wiring. A wire of a specific size can only carry a certain amount of electricity. If several lights and appliances are hooked to a small size wire, which is incapable of carrying that amount of electricity, your trouble begins. If all or most are in use, none will get enough electrical power to function properly. To solve this problem, all that is usually needed is the installation of a larger electric "entrance" equipped in your home. This is relatively inexpensive to install.

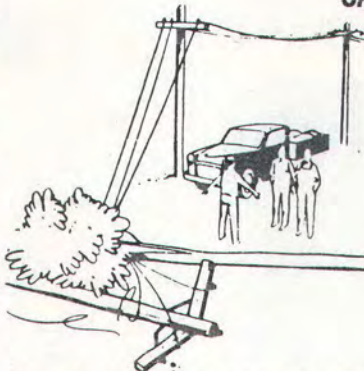
For added convenience you should also install more electric outlets in the house and get rid of those long extension cords. CEMC has trained personnel to assist you in your planning needs. Contact them at your nearest CEMC office.

VISITORS CHECK PAD MOUNT

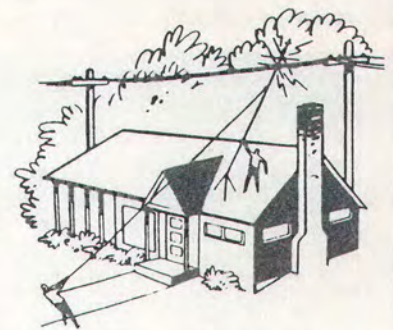


Blake Thomason, (kneeling), meter and transformer specialist, connects a 75 KVA pad mount transformer to an underground service in a Sumner County subdivision. Harry Weakley, left, Gallatin District Manager for CEMC, explains installation for four visitors from Sand Mountain Electric Cooperative in Rainesville, Alabama. Harold Hunter, Bill Dobbs, Fletcher Martin, J. R. Mitchell, representatives of the Alabama cooperative's engineering and operations department, visited the CEMC area to study the cooperative's policies and installations on underground services. Approximately one third of the services connected by CEMC are now going underground, with above type pad mount transformers installed where possible. CEMC provides underground service to new houses where the member opens the ditch. For more details, contact your local office.

SAFETY TIPS



Never touch, kick, pull or attempt to pick up a fallen wire. Even a telephone wire could be deadly if tangled with a power line **SOME DISTANCE AWAY**. Notify the power supplier and stand guard, keeping others away until help arrives.



Never attempt to install a television antenna within falling reach of a power line. If you already have such an installation, plan to move it to a safe location. Better notify your power supplier so he can de-energize the line before you move it.

GOLD MEDALLION



Mr. and Mrs. J. H. Smith, Palmers Chapel Community near Portland, are the latest recipients of the CEMC Gold Medallion home award. A Gold Medallion home award signifies that the home is properly wired, not only for the present time, but for future needs also. The home is equipped with modern electric appliances, central heat and air conditioning and lighting, which designed for the particular home by the CEMC home service advisor. Check with your nearest CEMC office for information and bonuses available for building a Gold Medallion home.

LIGHTED TOWER



Thad Hunter, CEMC Lineman, ascends the 200 foot radio tower at the headquarters office to install Christmas lights. Each year CEMC decorates the tower with 1300, 9½ watt colored lamps simulating a large Christmas tree.

GIRL TALK

With

Virginia V. Lowe

CEMC Home Service Advisor

Happy January and 1970. We've gone a long way in the sixties and let's go farther in the seventies. Perhaps you or other family members received an electrical grooming appliance for Christmas.

Personal care appliances are currently described as the fastest growing classification of homemaker helpers. Today's woman has a wide variety of electrical health and beauty products which contribute to her appearance and well being.

The fashion-conscious woman no longer masks her face with make-up. As a result, increased emphasis is placed on the skin, its care and its beauty. Electrics for facial cleaning and complexion care have contributed to a simplified, yet effective, home facial routine. Among these are the facial beauty mist which has a projected growth of over one million units in 1969.

Facial massage for deeper penetration of creams and lotions, for stimulation, for relaxation and for muscle toning has given rise to renewed interest in and versatile use of the age-old massager for home beauty applications and beauty care.

The most recent and dramatic entry in the personal care electrics business has been the hairsetter. Undoubtedly the hairsetter was an outgrowth of the curling iron although superior in its design for applying thermostatically controlled heat to the hair. Its fast, efficient performance and ease of use have eliminated nightly pin-ups for many women and have provided quick pick-up of droopy curls prior to an engagement. The hairsetter is perfect for restoring a hair set between shampoos. It is also excellent for restoring curls or adding body to the set of human hair wigs as well as many synthetic ones and hairpieces. It may even be used for straightening hair by rolling the hair in the opposite direction.

"To see yourself as others see you" identifies the most recent

entry in the personal care electrics field—the lighted make-up mirror. Judged a strong candidate for feminine appeal due to its functional use characteristics, the lighted make-up mirror is designed to simulate environmental light settings such as "day," "office," "home" and "evening." Such selective, shadowless light settings, coupled with both a regular and a magnifying mirror, provide the basis for expertise in make-up application to enhance beauty features and provide proper illumination for thorough facial cleansing and for close-up details involving facial care and beauty.

The lighted make-up mirror has attracted some masculine interest and rightfully so. The crystal-clear "day" setting has been found uniquely helpful while shaving.

If you have been fortunate enough to receive one of these or other electric appliances, it is important to use it to best advantage. In all probability it has features and controls that are different from those you're familiar with. To get your money's worth from the new appliance—to get from it all the help and convenience that's built into it—it should be used according to the manufacturer's recommendations. Make sure you receive an owner's manual or use and care guide with your new appliance. Read the guide before you operate the appliance. It's a good idea, in fact, to read the manual or guide before you buy the appliance. Then, if you have any questions, you can get answers from your salesman. And after you've read the guide, follow it. Refer to it as often as necessary until you know precisely what you can expect in performance, and how to get it.

Tomorrow's promises have their roots in today, in the here, the now. Home is what you make it. And the appliance industry stands ready to help you make it . . . better . . . more convenient . . . more economical . . . more satisfying than ever before.

CHICKASAW ELECTRIC COOPERATIVE



RECIPE FOR THE MONTH
by Mrs. Reed Leath

Chilled Cookie

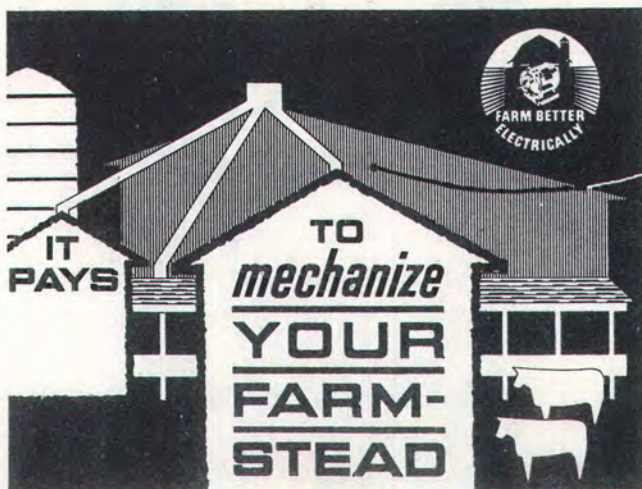
1 stick margarine	1/2 tsp. soda
1 cup brown sugar	1 tsp. baking powder
1 egg	1/2 c. chopped nuts
	1 1/2 c. flour
	Vanilla flavoring

Cream thoroughly margarine, sugar and egg. Sift soda, baking powder and flour together and gradually add to egg mixture. Add nuts and flavoring. This will be a soft dough. Make the dough into two rolls. Wrap in oil paper and chill thoroughly. Slice thin and bake in an ungreased pan till light brown at 400°. Leave space between so the cookies won't run together.

BUTTER PECAN BARS

2 eggs
1 cup firmly packed light brown sugar
1 cup granulated sugar
3/4 c. (1-1/2 stick) butter or margarine, melted
1-1/4 c. all purpose flour
1 cup chopped pecans
1 tsp. vanilla

Beat eggs until thick and lemon colored. Add brown sugar and granulated sugar; pour melted butter over egg mixture and blend. Add flour, chopped nuts and vanilla; mix well. Pour into a greased 9 inch square pan and bake 30-40 minutes at 350°. Do not overbake or cookies will be hard. Cut into squares while slightly warm.



HAVE YOU EVER THOUGHT...

... why automatic dishwashers have become so popular with American homemakers in the last few years? It's because they offer so many benefits. Perhaps the two we think of first are savings in time and work.

At the push of a button, dishes can be rinsed twice and held for you until the dishwasher has a full load to wash. For many, this means washing dishes but once a day.

It has been estimated that we hand wash an average of 48,000 items a year. This includes china, silver, and cooking equipment.

Since the dishwasher can use water hotter than your hands can stand, your dishes become sanitized. Some dishwashers on the market today reach a washing and drying temperature of 170° to 180°. Another benefit is a neater kitchen—out of sight until clean.

And of course, you do save on breakage of dishes and dishtowels, etc. The nicest dividend of all is, however, the pleasure of having more time with the family.

JOE JACQUES IS IN HONDURAS




Joe is a young man 23 years old who was in an automobile accident at the age of 16. This accident left him with a bad limp, not too much use of his left arm and part of his brain missing.

He had the opportunity to go to Honduras to work with a missionary after the hurricane, Camille, hit there.

Joe is the son of Mr. and Mrs. W. W. Dunlap of 1045-Lookout Point Cove, Arlington, Tenn.

The above address belongs to one of the newer Mobile Home Parks in the Chickasaw Electric Cooperative area. We are proud of Joe and we wanted to share his story with you.

We thank Mrs. Christine Sandlin, a neighbor of this young man, for supplying this story.



In 1969, we cleared
rights-of-way,
built lines,
constructed substations,
tested meters,
trimmed trees,
restored service after
outages, installed modern
communications equipment,
used up-to-date
power distribution methods,
kept records,
and provided free planning
assistance to customers.
It was a busy year.

And 1970 will be even busier,
as we work diligently to give you
dependable electric service.
Day and night.

*We wish for each of you a very **Happy New Year!***

MANAGEMENT, TRUSTEES AND EMPLOYEES OF CHICKASAW ELECTRIC COOPERATIVE



CANEY FORK CO-OP NEWS

EDITION



Mr. Clyde Anderson finds great pleasure in artifacts. These decorative lamps are built with popsickle sticks, glue and marbles.

INTERESTING HOBBY

Clyde Anderson of the Old Zion Community of White County retired from the railroad eight years ago. After retiring he and his wife moved back to the farm, the life he had always remembered from his childhood. She said, "After we moved back to the farm we worked harder than we ever had in our life." As if the two occupations were not enough to keep Clyde busy and leading an active life, he also is ex-sheriff of White County, having served in this capacity for five years.

Due to declining health the farm was sold four years ago. They bought a small acreage, built a nice brick retirement home just large enough to be comfortable, suitable for their needs without having to work too hard to keep it clean and to be easily maintained.

After moving into their home and reaching this long awaited goal to rest, they found that all rest and no work is not good either. Mr. Anderson decided he needed a hobby, something to do with his hands even though he is an avid reader. He acquired wood and glue and started making

trays and giving them to his friends and neighbors. This was satisfying for a while, but to broaden his hobby and make it more interesting, he began making decorative electric lamps out of the same materials. These also he gave as gifts.

After considering the cost of material, the amount of labor involved and the demand becoming greater than his supply, he started selling his lamps which are made almost to perfection. He keeps thinking of new ideas to make them more appealing and interesting to his customers.

His latest idea is to place a small bulb in the base with separate switch to control both bulbs separately.

Many times a hobby can be turned into a profitable business and keep elderly people useful to themselves, their family and friends. The extra money is always helpful in buying those little luxuries that everyone wants to make life more pleasant.

It also proves that one who has always led an active life continues to need something to do to keep a good, clear and active mind.

Gold Medallion Home Speaks For Itself

"There's so much that can be said about an all-electric home," said Mrs. T. M. (Tom) Cathcart. And, indeed there is much to be said about the Cathcart's all-electric Gold Medallion home located in the Country Club Estates near Smithville. Their home is spacious, consisting of some 6300 square feet, and it is most gracious.

The furnishings of their home say the most, for they indicate that the Cathcarts have an excellent knowledge of fine furniture and furnishings. Having been in the furniture business for twenty years, they are now co-owners of Cathcart and Brandon Furniture in Smithville. Both are natives of DeKalb County but prior to returning to their native county, they owned stores in Woodbury and Watertown.

This is the second Gold Medallion awarded them as their residence near Woodbury qualified also. In fact, both residences are very much the same. Their present one is somewhat larger, has a full size finished basement and a larger expanse of glass, and sliding doors in the rear that open on to the patio from the master bedroom and family room. They also made the few changes they felt necessary to have a house just as near what they wanted as possible. This bears out the consensus that no matter how many homes you build there will be some changes you will make.

Had Assistance of Interior Designer

They did have some assistance from an interior designer. It is of utmost importance that the designer plan the furnishings to suit the owner's taste. The interior designer at Cathcart

and Brandon Furniture had the advantage in decorating the Cathcart's home for she knew their likes and dislikes. She just happens to be their daughter, Mrs. A. L. (Betty) Brandon. They left much to her discretion.

She has used colors of gold, green, blue and white in the carpeting, upholstery, cornice boards, tailored bedspreads and rich draperies. All of the draperies on the front of the house have a sheer set also to give them a uniform appearance from the outside. The front windows receive no direct sunlight. The guest bedroom and master bath have beautifully embossed wallpaper. Wall groupings are used very effectively. Lighting, both permanent and portable, is used to add a balance of light to every room.

A formal setting has been maintained in the living, dining, and bedroom portions of the house but the kitchen and family room have gone to the more informal setting of Mediterranean. The lower level of the home is of Early American.

The comfort and conveniences of their home speak for themselves — spacious walk-in closets with automatic door switches, self-cleaning ovens, electronic cleaner, electric heating and air conditioning (designed so each floor level is controlled separately), inter-com, drip dry closet in the utility room, a desk and bookshelves behind bi-fold doors that permit their closing their work if interrupted before finishing, automatic garage door openers. He keeps one control in his truck for opening the basement garage, and she keeps a control in the car that operates the other garage.

Mr. Cathcart made a comment that is very worthy of mention. Often times when a furniture delivery is made, they place it as the owner indicates, but he thinks that they will have it changed before leaving because you learn to observe the best locations for pieces of furniture, when furniture is your business. You do this by observing windows, doors, walkways. Since wiring and lighting is planned in relation to furniture arrangement, planning can make the difference in both the electrical system and furnishings of a home.

★ ★ ★ ★

There's one thing about baldness—it's neat.

★ ★ ★ ★ ★

Every year it takes less time to fly across the ocean and longer to drive to work.

★ ★ ★ ★ ★

"I've already done my good deed for the day," said the Boy Scout to his father at breakfast.

"What," exclaimed the father, "before breakfast?"

"Yes," said the youngster, "when I saw that Johnny's father was late for the 7:30 train, I turned the dog loose. He made it."



Mrs. T. M. Cathcart in the foyer of their gracious home in DeKalb County where an ornate pier mirror is used.



Mr. and Mrs. T. M. (Tom) Cathcart and granddaughter Cindy Brandon in the formal living room of their Gold Medallion Home.

Full Housepower Gets Things Done with Low-Cost Rural Electric Power



Electricity can do scores of tasks every day — from entertaining your family to cooking the meals.

To take full advantage of all these modern appliances, your home must have adequate wiring. Otherwise, your appliances can't get all the electricity they need to operate properly; fuses will blow frequently, lights dim and your TV flickers because your circuits are over-loaded.

Your use of electrical power doubles every 10 years. That's why it's a good idea to have your wiring system checked to make certain it is adequate for your current needs.



Tennessee's Rural Electric Co-ops

when a SWEATSHIRT is NOT a SWEATSHIRT

Beruffle a sweat shirt with lace or embroidery and you've a cardigan or rib tickler for round the clock wear. You'll love to wear them over swim suits or with shorts, skirts and slacks. Pick your style, add the fluffy trim and away you'll go with a real teen dream.

GENERAL INSTRUCTIONS

Pullovers

You'll need: 1 sweat shirt, white
2 1/2 yards wide bias tape

To make: Measuring from neck, mark around body and sleeves at desired length. Cut; then bind or face with wide bias tape.

Cardigans

You'll need: 1 sweat shirt, white
3 1/2 yards wide bias tape

To make: Mark sleeves and shirt length, also down center front. Cut on lines. Face edges with wide bias tape.

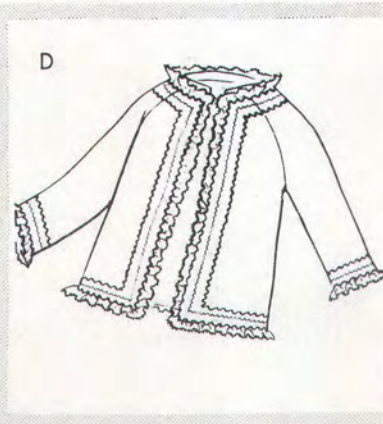
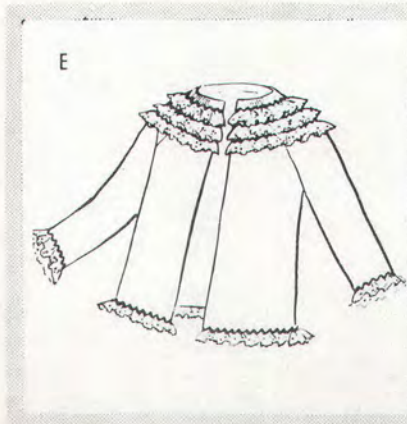
A You'll need: 4 yards crochet lace for single row
(for double row on body, add 2 yards)
To make: Cut 2 yards lace for body and 1 yard for each sleeve. Pull a string from top of lace and ruffle evenly. Stitch in place.

B You'll need: 2 yards jumbo rick rack, rose
4 yards crochet lace
To make: Cut 2 yards lace for body and 1 yard for each sleeve. Pull a string from top of lace and ruffle evenly. Stitch in place. Stitch rick rack in place.

C You'll need: 3 1/2 yards eyelet ruffling, 2" width
3 1/2 yards jumbo rick rack, black
To make: Stitch eyelet around all edges, easing in tucks at neck and corners. Stitch rick rack over ruffle heading.

D You'll need: 3 1/3 yards ruffling, scarlet
6 2/3 yards regular rick rack, scarlet
3 1/3 yards baby rick rack, scarlet
To make: Stitch ruffling around all edges easing in tucks at neck and corners. Stitch regular rick rack over heading. Stitch baby rick rack then regular rick rack with 3/4" spacing.

E You'll need: 3 1/2 yards eyelet ruffling, 1 1/2" width
3 1/4 yards regular rick rack, pink
To make: Stitch eyelet around sleeves and lower edges. Stitch three rows at neck, overlapping slightly and easing in tucks. Stitch rick rack over all ruffle headings.

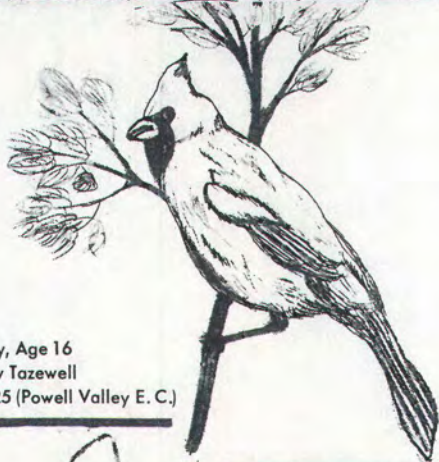


Uncle John's Page

This page is reserved for the young folks. We will pay one dollar for each poem or drawing published. ALL WORK MUST BE ORIGINAL. Drawings should be in black, and drawn on white, unlined paper. Tell us your age, address, and Electric Co-op, and

Send all items to:

UNCLE JOHN, The Tennessee Magazine
710 Spence Lane, Nashville 10, Tenn.



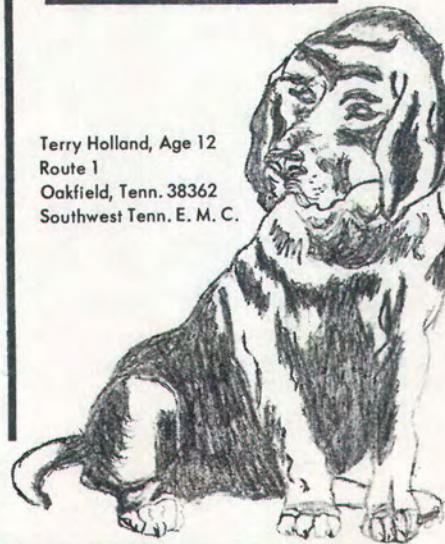
Artura Jill Neely, Age 16
R. R. No. 2, New Tazewell
Tennessee 37825 (Powell Valley E. C.)



"Uncle John"
Artist Unknown



Jerry Hinson, Age 14
Route 6
Waynesboro, Tenn. 38485
Meriwether Lewis Electric Cooperative

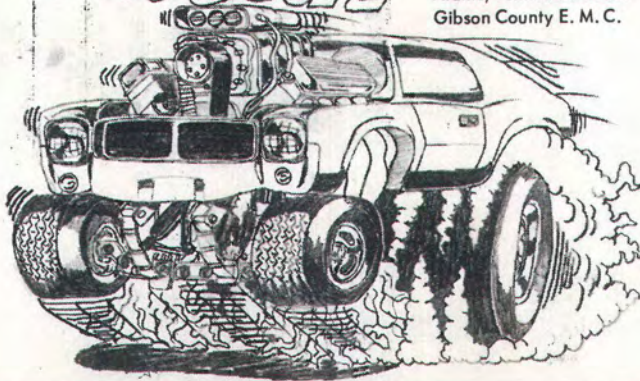


Terry Holland, Age 12
Route 1
Oakfield, Tenn. 38362
Southwest Tenn. E. M. C.

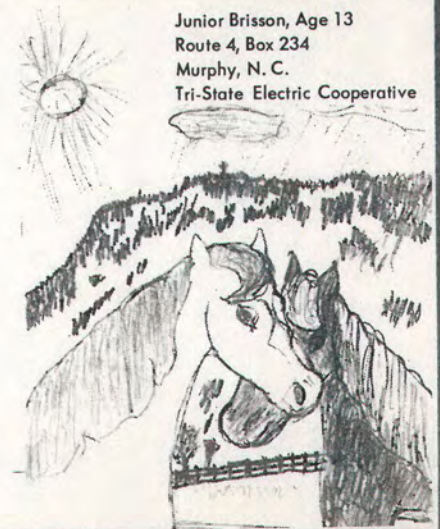


Glen Smith, Age 12
319 Chestnut
Cookeville, Tenn.
Upper Cumberland E. M. C.

AMERICAN
MOTORS
Javelin



Dave Davis, Age 13
Route 1
Alamo, Tennessee 38001
Gibson County E. M. C.



Junior Brisson, Age 13
Route 4, Box 234
Murphy, N. C.
Tri-State Electric Cooperative

Timely Topics

STOP WINTER LAMB LOSSES

Lambing time, the most critical period of the sheep production year, is here, and Fred Powell, University of Tennessee assistant animal husbandman, reminds people that now is the time to guard against lamb losses.

Most lamb losses occur at birth or shortly thereafter. About seventy-five percent of lamb losses happen within five days after birth, he continues. Approximately one-half of these losses are due to starvation, respiratory troubles and lamb dysentery.

The nutritional level of the ewe at lambing time greatly affects lamb size at birth and lamb size affects the percent lamb crop raised, the animal husbandman explains. Lambs weighing eight to nine pounds at birth have about twice the survival rate of five-pound lambs. The smaller lambs are weaker, become more easily chilled and are more susceptible to respiratory ailments.

"Ewe flocks grazing small grain winter pastures seldom have nutritional problems," Powell points out. "The addition of one-half pound of grain per ewe daily during the last 30 days prior to lambing will provide the extra energy needed. Legume or mixed legume-grass hay can be substituted for winter grazing. The availability of water is particularly important to ewes on dry rations as water intake is increased up to 50 percent during the last month before lambing."

After lambing, ewes with twins or triplets should be separated from the rest of the flock and given additional feed, Powell advises. These ewes require about one-third more energy in their ration than ewes with single lambs. One to one and one-half pounds of grain plus pasture or hay will furnish the additional energy needed. The entire flock should have access to a mineral mixture of two parts of dicalcium phosphate or steamed bone meal and one part salt.

Adequate feed, suitable lambing facilities and timely management will reduce lamb losses and increase profits.

KEEP FARROWING HOUSE DRAFT-FREE IN WINTER

One way to avoid loss of profit from small, unthrifty pigs is to keep farrowing houses dry and free of floor drafts during the winter.

"Damp, drafty housing will cause pigs to become chilled and will result in pigs' scouring and coughing," points out

James G. O'Neal, University of Tennessee Extension assistant animal husbandman.

A common practice is to close up farrowing houses during the cold, damp winter months, giving no thought to ventilation. This "tightening" of farrowing houses usually results in dampness due to moisture trapped in the house.

A well-ventilated farrowing house will be so constructed that it will be tight around the lower portion of the house to eliminate floor drafts but will provide good air movement overhead to carry out moist air.

"Heat lamps should always be used in cool weather," O'Neal says. "This extra source of heat will help keep the pigs warm as well as keep them out of the way of the sow and reduce death loss due to mashing. Heat lamps will also help to keep a section of the farrowing area drier. Remember, however, that heat lamps will not make up for a damp, drafty house."

PLANS MADE FOR CATTLE FEEDING CONFERENCES

A series of "Cattle Feeding Conferences" are scheduled to be held across the state during the weeks of January 12, January 19, and January 26, announces Fred C. Powell, University of Tennessee Extension assistant animal husbandman.

Powell says that the purpose of the feeding conferences is to try to increase the income from beef cattle in Tennessee through the postweaning, grazing, growing and finishing programs. It is also hoped that the series will encourage an increase in cattle finishing programs in the state to meet an increasing local demand.

The conference courses are intended for a wide variety of audiences. The courses are planned for county Extension personnel, farmers who are interested in increasing income from cattle feeding, affiliated industry representatives and special agents. The courses will be conducted by University of Tennessee Extension agronomists and animal husbandry staff members and will cover topics in animal husbandry, agronomy, agricultural economics and agricultural engineering.

Powell gives the locations and dates as follows:

January 12, 19 and 26—Holiday Inn in Morristown

January 13, 19 and 27—Caney Fork Electric Co-op in McMinnville

January 14, 21 and 28—Extension District II Building in Nashville

January 15, 22 and 29—County Agricultural Building in Brownsville

January 16, 23 and 30—Farm Bureau Building in Dresden.

RELAX IN 70

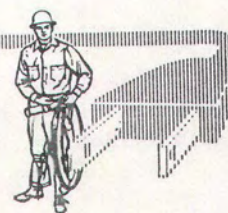


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Your Electric Cooperative



Slower Prices, Faster Pay Mark Burley Tobacco Sales

By John Stanford



This is the moment of truth for burley tobacco in Tennessee—the auction on the warehouse floor. At extreme left is the "starter," next comes the auctioneer and markers. At right of picture are representatives (buyers) for the commercial tobacco companies.

In this year of sharply reduced burley tobacco prices, patrons of one—perhaps there are several and in the near future it will include most—burley warehouse at least have the consolation of getting their check payments in less than half the time that most had to spend waiting in previous years.

There is no doubt that burley growers in Tennessee, which produces between 15% and 20% of all burley tobacco marketed in the United States, are feeling more than just a pinch from the considerably lower average being realized for the 1969 crop.

Those who have attempted to come up with some of the answers to the question of reduced prices—and we have contacted knowledgeable men in this field—say that one or more of the following may account for the steep drop in 1969 crop prices: 1) tight money, 2) lower quality tobacco and 3) possible fear of manufacturers of tobacco products

If this man's crop was among the first sold on a given day, the check which he is receiving might come as soon as 15 minutes after his crop is sold. Maximum waiting at Farmers Burley Co-op in Sparta has been cut, with automation, from five to two hours and will be cut even more next year when operation is completely computerized.

that the advertising of these products may be banned from television starting in 1971.

Generally speaking, at the national level, Government figures show that the consumption of tobacco in 1968 declined slightly. Domestic use was down about 3% on national production of some 585-million pounds of burley tobacco. There is no doubt that some of this reduction lies in the fact that manufacturers are finding new ways to use less tobacco in at least some of their products, such as the use of stems and a "bloating" or swelling process which means, in effect, that more cigarettes can be made from the same pound of tobacco. (This in no way reflects on the integrity or quality of today's tobacco products. It merely serves as a partial explanation of why relatively less poundage of tobacco is finding its way into today's finished products.)

Burley tobacco, of which there are 110 different grades by Government classification standards but which farmers usually divide by four or five grades, is a highly important cash crop for Tennessee producers. They annually market some 100-million pounds out of a national total of slightly under 600-million pounds. Revenue from burley sales in Tennessee last year was just over \$74-million, a healthy portion of farm income in the Volunteer State. This year it may average in the neighborhood of 10% to 15% less, a severe blow to our agricultural economy.

To bring these general and statistical facts into better focus for this story, we visited a pre-Christmas sale held at the Farmers Burley Co-op Warehouse just outside Sparta. This particular warehouse, most of whose patrons are members of the Caney Fork and Upper Cumberland electric co-ops, has six acres under roof and averages sales of some 1.6-million pounds of burley each year. It is one of 110 burley warehouses in Tennessee which are spread among 20 "markets." Representatives of seven tobacco companies buy, at competitive auction, the burley brought to this and two other warehouses in and near Sparta.

Although all warehouses are separate businesses, most operate on similar routines. Sale dates are set



by the Burley Auction Warehouse Association. At the Farmers Burley Co-op at Sparta, as with most warehouses, the unloading, weighing, grading and placing on baskets begins no sooner than ten days before the first sale. The farmer is given a copy of the weights of each basket of his burley and his entire crop is placed and auctioned in succession.

It is after a producer's crop is sold that the process which hastens the payment of his check at Farmers Burley Co-op in Sparta—and perhaps at a few other warehouses—is begun.

Immediately following the sale of each patron's crop, two copies of the floor sheet are sent to a small office in the warehouse where employees of Universal Computer Services Corporation take over. These floor sheets contain the farmer's name, his basket numbers, pounds of burley, the buyer, the grade of tobacco and the sale price. The computer company employees, using what is known as a Computyper, transfer all of this information, plus a market card number which goes onto the check stub, to a perforated, continuous form which not only provides, after several automated steps, complete records for the farmer and the warehouse but a final payment check which needs only the signature of a person on the scene before it can be endorsed and cashed by the farmer.

Using this automated process, which will be completely computerized next year, checks can be made available to patrons in from fifteen minutes for the first sales to about two hours for those whose tobacco is sold last. Those near the end of the sales line had to wait as long as five hours



As soon as each farmer's crop is sold, floor sheets are sent to this computing room operated by United Computer Services Corporation which makes permanent records of all pertinent information and writes checks for farmers, often within minutes after their sales are completed. From left to right, the UNICOMP employees are Kay Carrington, Mary Dyer and Roy Palk, supervisor of the automated operation.

UNICOMP has already established a subsidiary named AGRICOMP, computer services from which are now being sold to farmers in Tennessee and Kentucky, particularly those within a wide area around Cookeville, headquarters for AGRICOMP and UNICOMP.

A farmer subscribing to AGRICOMP's computerized services receives the following: 1) monthly transactions for his farm and home, 2) a quarterly net worth statement for analysis and information, 3) an annual inventory list and depreciation schedule, 4) optional enterprise analyses, 5) personalized services from trained field men working in conjunction with county agents, PCA, Farm Bureau, etc. This service also will provide vital information for efficient Federal Income Tax returns.

Says Foy Carrington, president of UNICOMP, and AGRICOMP: "This is a much needed service for farmers in Tennessee which, because of the savings and efficiencies it provides, really doesn't cost—it pays. For example, our computer information will, in nearly all cases, greatly cut the charges made by professionals who make out income tax returns for farmers. As another example, relatively few farmers take the full depreciation allowed under the law on their returns—some don't take any. Our program will correct that, among a number of other things which are possible with our computer services."

True, we are in a computer age and farmers, as a highly important segment of our American economy, are almost certain to be a part of it. It's more fact than fancy that in the not too distant future computers, still in their infancy, will be able to tell farmers what to produce, when to produce it and in what amounts for the best possible dollar returns.



The wait for checks still gives a fellow time for a stretch, especially if he's dog-tired, but it isn't half as long as it used to be before automation.

for their checks in the past. Next year, the two-hour maximum is expected to be cut considerably.

The automated service provided by UNICOMP (short for Universal Computer Services Corporation) at the Farmers Burley Co-op at Sparta this year is only a small forerunner of what this computer company—and perhaps others—will be providing agriculture in Tennessee in the years to come.



R. E. Scarbrough, Jr., Rt. 4, Maryville, at work on grain equipment during the 1968 fall harvest.

THE TENNESSEE FARM BUREAU'S — 1969 — OUTSTANDING YOUNG FARMER



R. E. Scarbrough, Jr., in his farm shop preparing to make an electric weld on the auger of his handmade, tractor power, take off post hole digger. Electric equipment in this corner of the shop includes an air compressor, battery charger and electric welder.

R. E. Scarbrough, Jr., Rt. 4, Maryville, has been selected as "Outstanding Young Farmer" of 1969 in the Tennessee Farm Bureau. He was presented with a plaque signifying this honor at the Tennessee Farm Bureau's awards program, Nov. 17, a part of the 48th Annual State Convention in Nashville.

The award was based on Scarbrough's farming program, and his participation in Farm Bureau, Young Farmers and Homemakers, and community activities. Each County Farm Bureau was asked to submit a candidate for the state title. This is the first year of an annual program.

Scarbrough, a U. T. College of Agriculture Graduate, with a major in animal husbandry, will now compete with Farm Bureau members between the ages of 18 and 30 from 48 states at the American Farm Bureau's annual meeting in Washington. Winning the state award entitles Scarbrough to an expense-paid trip to the Washington convention.

R. E. will also be taking along his new bride. He and Miss Joreita Harrington, formerly of Fountain City in Knox County, were married November 28, 1969. Joreita is a graduate of the U. T. School of Home Economics. She took her Extension Service Home Agent's student training in Gibson County and has served as Assistant Home Agent of Madison County for seven years. She was very active in 4-H work, and the Young Farmers and Homemakers Club in Madison County, also in the district and state organizations.

The Scarbroughs are remodeling their home east of 411 Hwy in the Brick Mill Community. They are new members of the Fort Loudoun Electric Cooperative and are making their home "All-Electric."

R. E. is a tenant operator of 150 acres of farm land in Blount County. He leases these farms from his father, Roy E. Scarbrough, Sr. and his uncle, Vick Foster, both of Rt. 4, Maryville.

His main farm enterprises are: beef cattle, hogs, tobacco, grain crops, soybeans and some truck crops. He has 40 registered Aberdeen Angus brood cows. He

selects some heifers as herd replacements and expansion, then sells the other calves in the Smoky Feeder Calf Association of which he is vice-president and director-at-large. He also has 15 brood sows from which he raises and tops-out 100 or more hogs each year.

One of his newer enterprises is 2½ acres of watermelons. "The melons require my labor when other things slack up around the farm," he said, "I sell the melons on the Farmers' Market at Maryville and Knoxville."

R. E.'s farm is enrolled as a Test Demonstration Farm in Blount County with the Agricultural Extension Service of U. T. Mr. C. H. Edwards, County Agent of Blount County, and Mr. N. E. Hixon, Knox District Special Agricultural Agent of the Test Demonstration Farm program, advise R. E. on improved farm management practices, the demonstration and evaluation of new fertilizers and practices in his farming system.

In addition to his farming operation, R. E. has been active in county, community and church activities. He has served as a member of the Blount County Farm Bureau Board of Directors by virtue of being President of the Blount County Young Farmers and Homemakers. He has also served as vice-president of the district YF&H organization composed of clubs in upper East Tennessee counties.

He also has served as director and secretary of the Blount County Farmer's Cooperative, president, secretary, and director of the Blount County Livestock Association; and president of the Brick Mill Community Club. He has served as elder, deacon, and president of the men's organization of the Baker's Creek Presbyterian Church.

Fort Loudoun Electric Cooperative and the Tennessee electric cooperative program are glad to welcome this new family as members. To R. E. and Joreita, we extend our congratulations and believe that the trip to the National Farm Bureau Convention and their association with other state winners will be a lasting inspiration to them.

PUZZLE CORNER

More than 2,000 contestants sent entries from our December Puzzle Corner and, since the puzzle proved itself, almost every entry was correct. The winners have been selected by lot from our largest number of entries to date, and they are:

Winner (\$10)—Mrs. J. C. Webb of Woodbury, a member of Middle Tennessee E. M. C.

Second (\$5) — Mary Lynn Potter of Laurel Bloomery, Tennessee, a member of Mountain Electric Co-op

Third (\$5)—Barbara Weaver of Route 4, Henderson, a member of Southwest Tennessee E. M. C.

And now for the January puzzle: Jones walked 117 miles, beginning on Sunday morning and finishing on Monday evening of the following week (nine days of walking.) Each day he walked one mile farther than the day before. How many miles did he walk each day?

Send entries, including the name of your co-op, to:

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P. O. Box 7232
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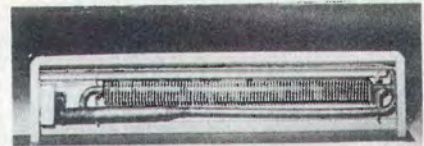
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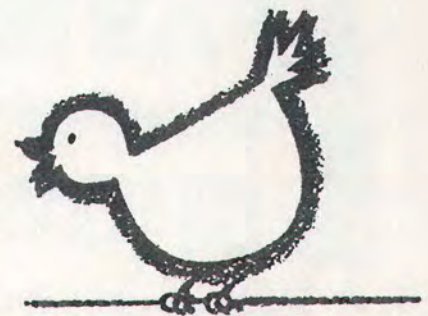
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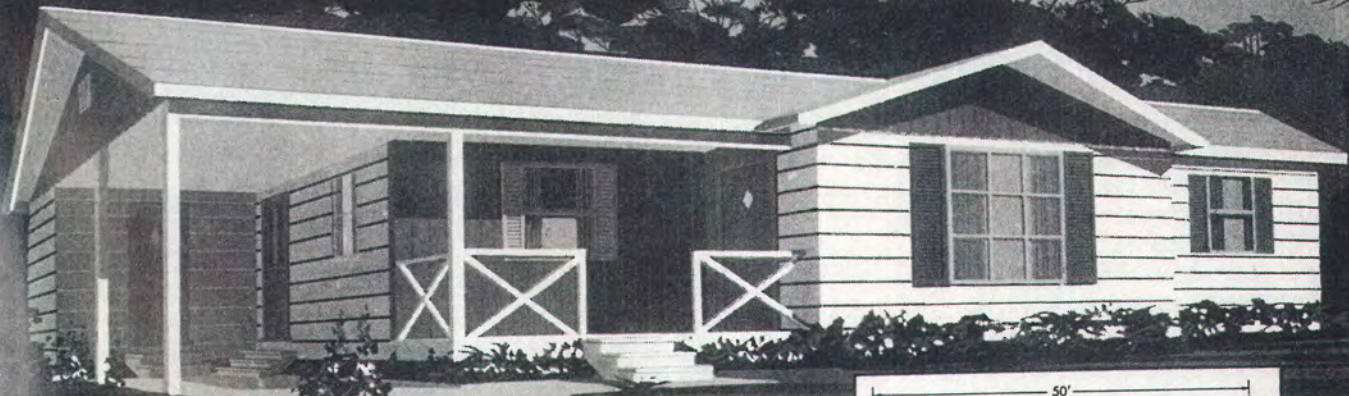
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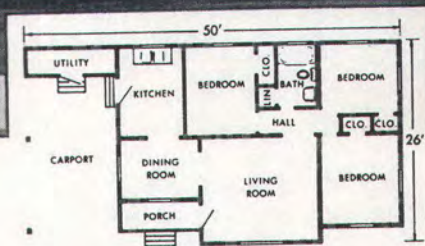
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