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Tennessee Magazine

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see page 6

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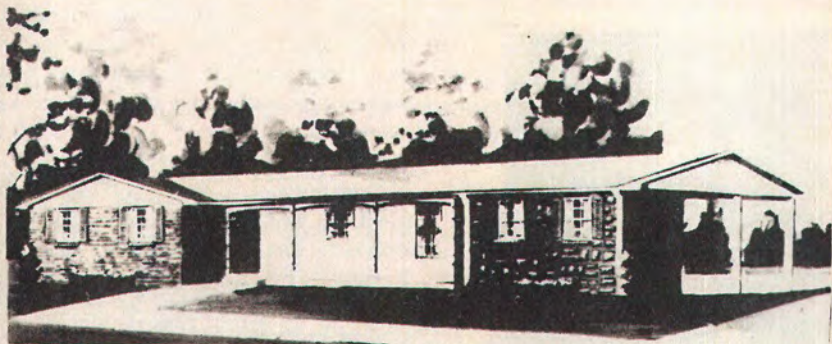
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Volunteer Views

Some four months have now passed since the "new" REA law was passed by the Congress and signed by President Nixon. Many cooperative rural electrification leaders better liked the "old" law, which prevailed from 1936 until abolition by President Nixon on December 29, 1972. Some leaders like the "new" law better than the "old" one. But for certain, to our knowledge, EVERYONE likes the "new" law better than the tragic state of affairs that existed between the abolition of the "old" law on December 29, 1972 and the signing of the "new" law into existence on May 11, 1973.

So after four months of operation under the "new" REA law, let's take a more in-depth look at it as operations near full-steam-ahead status.

The rural electrification program no longer relies on the U.S. Treasury as the source of long-term financing. Instead, the source of financing is totally in the private money markets aided by the Rural Electrification Administration (REA) insurance and guarantee provisions of Public Law 93-32 which President Nixon signed May 11.

UNDER THE previous REA loan program, which was terminated by the Nixon Administration last December 29 by decree, the rural electrification program did rely on money appropriated by Congress each year for its long-term financing. These loans were repaid at the rate of 2 per cent interest over a period of 35 years.

In addition, the rural electric systems were receiving part of their financing from supplemental sources, such as the National Rural Utilities Cooperative Finance Corp. (CFC), and paid higher interest rates for this portion of their financing.

THE NEW legislation governing the REA lending program was approved by the Senate on May 9 and by the House on May 10. President Nixon signed it into law on May 11.

Under the new law, it should be kept in mind that Congress will set an insured loan ceiling for each fiscal year. The action will initiate in the appropriations committee, as it has since 1936.



By J. C. Hundley
Executive Manager, TECA

FOR FISCAL 1974, the House Appropriations Committee has set the insured electric loan ceiling at \$618 million. A Senate bill calls for an authorization of not less than \$618 million . . . but not more than \$750 million for insured loans to rural electric systems. Senate-House conferees will now meet to determine the final ceiling on insured loans.

Although the REA loan program is no longer financed by the Treasury, the Federal government insures loans at 5 per cent. Some rural electric systems will qualify for 2 per cent insured loans. Both the 5 per cent and the 2 per cent loans are included in the \$618 million insured-loan ceiling.

RURAL ELECTRIC guaranteed loans, which are authorized by the new law, will bear interest rates only slightly less than the long-term private-market rate. Guaranteed loans are not included in the \$618 million and the House and Senate set no ceiling for these for fiscal 1974. Rural electric systems are still obtaining part of their financing from CFC.

The important fact to keep in mind, according to Robert D. Partridge,

General Manager of the National Rural Electric Cooperative Ass'n. (NRECA), is that not one cent of the money the rural electric borrow hereafter will come from the U.S. Treasury. All of the loan funds will come from the private money market.

"AS I SEE IT," Partridge said, "it is also important to make it clear to rural electric systems members that the program has been removed from the Federal budget, which aids the President and Congress in their objective of reducing the Federal budget as well as minimizing the fiscal impact of federally assisted programs.

"Along with this we must remember that we will have to ask Congress for an insured-loan ceiling each year. The yearly insured-loan level is not automatic. So we must continue to keep Congress fully informed about our loan needs."

NOT TO BE overlooked is the significance of control of the program under the new Rural Electrification law. Under the Rural Development Act — where the rural electric program was placed last December 29, the Office of Management and Budget (OMB) alone would have set the loan levels, while Congress sets the loan level under the new legislation.

"The significance of this fact," Partridge said, "is that the OMB has, by word and by deed, clearly demonstrated a conviction that rural electrification has a very low priority among federally assisted programs. By contrast, Congress has evidenced a realistic understanding of the vital importance of rural electrification and rural telephony, and of the indispensable role of REA."

WITH THE capital needs of the rural electric systems now surpassing the billion-dollar mark each year, Partridge said the importance of gaining approval of a new long-range loan program — with adequate provisions for money supply — cannot be understated.

"Without an assured supply of money," he declared, "we could not make long-range plans. Without an assured supply of money, rural electric systems throughout America would face at best an uncertain future."

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

A MAKER OF LONG RIFLES

Mr. Herbert Fuqua of Scottsville, Kentucky has enjoyed a rather odd hobby for years. In his little workshop, he makes frontier rifles. **6**

REMODELING: A DIFFICULT TASK

MTEMC Home Economist Patsy Myers takes a long look at the problems of remodeling, and comes up with some rather interesting solutions. **8**

1973 STATE ESSAY WINNER

Mr. Dintin Smith, a senior at Lebanon High School, points out in his award-winning essay that electricity may prove to be the solution to future problems. **10**

ELECTRICITY THROUGH THE AIRWAYS

Don McDonald of MTEMC points out that entertainment and electricity go hand-in-hand these days to provide pleasure in the home and office. **12**

THE REELFOOT RURAL MINISTRY

Northwestern Tennesseans have had it difficult over the years, but with the helping hand of several area churches, things are looking up. **20**

A LOOK INTO THE PAST

Near Rogersville, Tennessee, stands a house that has withstood the test of time, the Amis House. Miss Anne Amis reflects back on some of its history. **24**

WATER: A BASIC NECESSITY

Hubert Williams, Power Use Supervisor for SWTEMC relates the problems that once faced Tipton County in their efforts to obtain clean, clear water. **26**

WATER: A FLOODING PROBLEM

Mr. A.K. Booher of the Soil Conservation Service explains how Byrdstown, Tennessee, has taken steps to harness the overflowing town channel. **28**

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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 at 710 Spence Lane, Nashville, Tenn., 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 Nashville, Tenn. and at additional mailing offices. Subscription price: \$1.08 per year for members and \$1.25 per year for non-members.

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



ON THE COVER

Our cover this month was drawn especially for the Tennessee Magazine and points to a story on longrifles which begins on page 6.

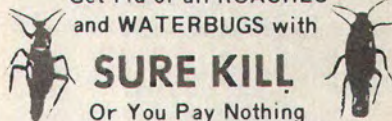


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A Co-op Area Supervisor Is Making A "Heavy" Contribution To The Fact That . . .

PRIMITIVE WEAPONS ARE MODERN AMERICA'S FASTEST GROWING SPORT

By John Stanford

Although physically large enough "to go bear hunting with a switch," Herbert Fuqua, of Scottsville, Kentucky isn't one to push his luck. On hunting trips, he takes along a bow and arrows or a single-barrel muzzle-loading rifle in case he finds a wild animal that he wants — or vice versa.

Fuqua, nicknamed "Heavy" a number of years ago, and for good reason, is a primitive weapons enthusiast, so much so, in fact, that he now handcrafts muzzle-loading rifles as his principle avocation. His vocation is that of Area Supervisor for the Tri-County Electric Membership Corporation of Lafayette, Tennessee, with whom he has been an employee for 25 of his 43 years.

Fuqua began his rifle-handcrafting hobby in 1965 after attending a "shoot" for long rifles. He needed a muzzle loader so he went home and made himself one. It was as simple as that insofar as his do-it-yourself talents are concerned. In terms of time, however, the types of top quality rifles that Fuqua turns out take a lot of doing, a combination of considerable skill...and time. As a matter of record Fuqua, spending many hours of his spare time, does well to produce four muzzle loading longrifles per year for which he receives anywhere from \$250 to \$500. Since his hobby is a labor of love rather than livelihood, Fuqua figures that he receives about \$2.00 per hour for his gun-making talents.

"Heavy" makes two types of muzzle loaders — the flintlock and the cap-and-ball, the latter sometimes referred to as "percussion." The flintlock gained its greatest popularity in the early 1800's while the cap-and-ball was popular as a partial successor to the flintlock in the late 1800's. Even in the 1800's, however, both of these rifles had a history that dated back about four centuries.

The first explosive of which we have definite knowledge was gunpowder,

dating back to the late 1300's or early 1400's. It first served in warfare to blow up fortifications. Soon afterward it began to be used to blow a projectile through a hollow tube, closed at one end. The hand cannon, which could be held in the hands, served as the ancient forerunner of the muzzle loaders.

The earliest hand cannon, a simple metal tube closed at one end and fastened to a stick, was loaded through the muzzle with gunpowder and stones. It was fired by applying a lighted match or fuse to a touch-hole at the top of the breech. Some of these early guns required a crew of two men. One man held the gun. The other loaded and fired it.

Greater accuracy in aiming was obtained when the straight stick was replaced by a curved stock, the butt or end of which was set against the shoulder.

A gun known as the matchlock, introduced in the 15th century, marked a further improvement. In this gun the touch-hole was set at the side of the barrel. Beside the touch-hole was a

small pan, provided with a hinged cover. This pan, called the priming pan, was filled with powder each time the gun was to be fired. A hammer, which could be brought down by means of a trigger, held a lighted match in a vise. When the trigger was pressed, the match was brought down to the priming pan, the cover of which flew open at the same time. The powder in the priming pan was ignited by the match and in turn ignited the charge in the gun barrel.

Sometimes the muzzle of the matchlock was set upon a rest — a long, forked rod set in the ground. The matchlock could be fired only if the match could be kept lit, making it useless in rainy or very windy weather.

The 16th century saw the introduction of a long matchlock called the musket, the earlier models of which were so heavy that they had to be set on rests. The musket was loaded with a round lead bullet which was forced into the barrel by means of a ramrod. Also dating back to the 16th century were the wheel locks. In this type gun, a rough-edged wheel, connected to a spring, was held



Busy in his "second home," a workshop immediately behind his residence at 404 North 6th Street in Scottsville, Kentucky, is Herbert "Heavy" Fuqua, Area Supervisor for Tri-County Electric Membership Corporation of Lafayette, Tennessee.

against a flint. When the trigger was pulled, the spring was released, the wheel spun rapidly against the flint and showers of sparks were sent to the priming pan.

The flintlock was invented in the 17th century. With this gun, a flint was held in a vise at the hammer. When the trigger was pulled, the flint was brought down violently against a steel part called the "battery", sending sparks to the powder in the priming pan. The flintlock was the standard infantry weapon in the 18th century and the first years of the 19th century. However, both matchlocks and wheel locks also were used.

In the first half of the 19th century the percussion cap gradually replaced the flint.

The round bullets used in the smooth-bore of unrifled musket were quite likely to curve in their trajectory. This tendency was corrected by setting rifling in the bore of the gun. The rifle, as the rifled hand gun was called, was the favorite hunting-piece of the American backwoodsman in the 18th century. The ball, wrapped in a circular piece of greased linen, called a "patch", was rammed down from the muzzle. This continues to be the procedure for loading primitive weapons such as those still being made by such enthusiasts as Herbert Fuqua.

Some idea as to why "Heavy" turns out an average of no more than four muzzle loaders each year may be gained from the many and time-consuming steps that each rifle requires.

Fuqua, a member of the Corps of Longriflemen who has been cited by Allen County (Kentucky) for his many contributions to the local sports scene, makes all his guns from scratch. He buys all barrels, mechanisms and other parts ready for assembly.

He cuts out the gun stock, by pattern, from either tiger stripe maple or walnut blocks measuring 2" thick, 10" wide and 60" long. Next he in-lets the barrel in the pattern-cut stock. (A standard barrel measures 13/16" in diameter and 42" in length. The inside measurement can vary and the outside may run from 29 caliber to 42 caliber.)

Next steps in assembly are in-letting the lock and triggers. After that comes the adjustment of length of pull, this made in accordance to the length of arms of person who will be the gun's owner or prime user. The butt plate goes on next, followed by installations of the trigger guard and ramrod ferrels, or



Less frequently made by Fuqua is the bench-rest flintlock, the barrel and first-step, pattern-cut stock of which "Heavy" holds here. The barrel, alone, for this type rifle weighs more than 30 pounds and requires a "rest" for firing.

holders.

The next step is what Fuqua calls the "real work part", the working down of all wooden parts, by hand. Next comes the installation of the patch box (on flintlock models) or cap box (on cap and ball models.)

Engraving on the wooden stock comes next, a step which requires the best of artisan skills. This leads to the final step, the wood treating process which includes covering with nutric acid and

then burning with torch to desired color, concluding by rubbing with boiled linseed oil to a high state of maturity and gloss.

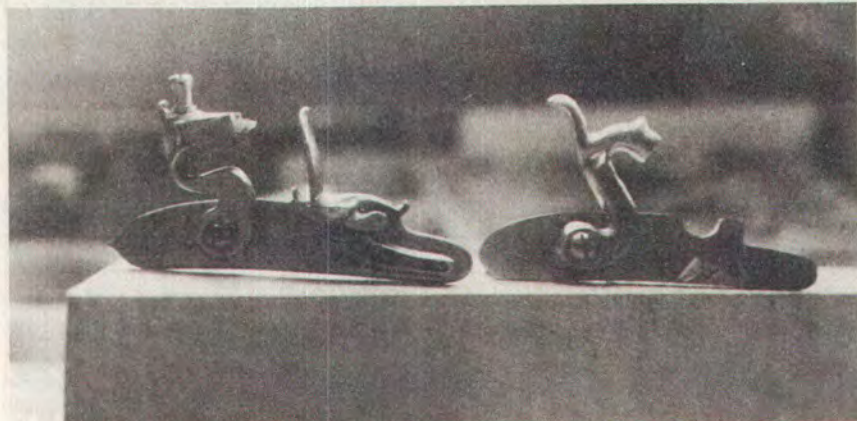
Fuqua, who went to work for Tri-County Electric Membership Corporation at age 18, has handcrafted longrifles for sportsmen in at least six states. That number might double or triple if he so desired.

"I have no desire to expand what, after all, is just a hobby," says Fuqua. "After all, there's only so much spare time and I don't want to spend it all in the shop. I like to hunt with these muzzle loaders and with bow and arrows. I like to compete in primitive weapons 'shoots', which is one of the

continued on p. 22



Removing a ramrod from its holder (ferrel), Fuqua is preparing to show the proper method for ramming a round lead ball (bullet) wrapped in a cloth "patch", down the muzzle end of this longrifle.



These are the two types of firing mechanisms installed on longrifles. At the left is the flintlock and at right is the cap-and-ball (percussion).

REMODELING: A TASK NOBODY LIKES

By Patsy Myers, Home Economist
Middle Tennessee Electric Membership
Corporation, Murfreesboro

Remodeling, whether it's a dress, a skirt, an office, or your favorite room in the house, is a task nobody likes, because it takes so many hours of thoughtful planning to get good results. However, remodeling pays dividends when it makes a house more livable and easier to clean and keep clean.

Remodeling at your house may mean reworking a whole house; or it may mean adding a room to your house, or changing the use of an area; such as remodeling a garage to make a family room.

Whatever the type of remodeling you may be interested in, perhaps this is the time of year to plan it, especially if it is already "under roof". Then, when you finish your planning, you may be able to get a contractor or builder to go right to work on it.

As you do your planning, think carefully about all the ideas you want to incorporate in your area before you actually start the drawing of the floor plans. List these carefully, and if possible, cut out pictures to go with your ideas. For instance, if you want a storage wall, or a bookcase wall, try to find a picture of it. If you are remodeling to change the style of your cabinets, think about which style will best suit your needs, whether sliding doors, sliding shelves, drawers, or stationary or adjustable shelves. If dividers are needed in a drawer, plan them. In every way, do this planning toward the ultimate result of "A place for everything; everything in its place", which is every homemaker's dream.

Now that you have thought through your needs and what you want to modernize, think about the electric appliances you want to plan for, the wiring and perhaps plumbing you will need, then begin to put your plans on paper.

If you are planning to move equipment or make changes in an existing room, such as closing up a door, removing a partition, or moving a

window, you will need to make two drawings — one of the room or area as it now is, and one showing how you want it after remodeling.

To draw a plan, you will need graph paper, a metal tape or yardstick, and a ruler. The easiest graph paper to use has $\frac{1}{4}$ " squares, and $\frac{1}{4}$ " = 1 ft. is the scale to use.

Now, as your first step, measure a wall and draw it, remembering to use 1 square on your graph paper to represent 1 foot as you measure. Indicate the exact position in the wall of the door openings and window openings and their measurements. Then, write down these measurements. Continue until you have all four walls of the room drawn in this same manner.

Show on your drawing which way the doors swing. And measure the height of the window sills from the floor.

If it is a kitchen you are drawing, then you will need to indicate where the appliances are to be placed, where the base and wall cabinets are to be located,

where the appliance center is, where the sink will be. Then, you will need to make a list indicating the location of all electrical uses not shown on the plan. (This includes such items as an air conditioner, a garbage disposer, and lighting equipment.)

In other areas of the house, this same type plan will be needed, even though you have help available from your power distributor for suggestions in following through with your plans. The more you know about what you want to achieve, the more help your power distributor can give you.

The next step is planning for all the other details. If you're converting a large closet into a sewing room or half-bath, you will need very careful floor plans, measurements and lists.

For whatever conversion or addition you have in mind, efficient planning results in efficient use. 99.7% of today's homes have the benefit of electricity, but too few of us seem to realize that PLANNING family living space and the



Mrs. Doye Rowland, Eagleville, is shown here in the first step of remodeling an old house—getting her metal tape ready for measuring the dimensions of the room. Mrs. Rowland, left, is shown with the tape while Mrs. Patsy Myers, MTEMC Home Economist, puts the measurements on paper. This followed a discussion of the possibilities of kitchen arrangement, the appliances she plans to use, the homemaker's likes and dislikes as to use existing windows, doors, and changes to be made. This plan is to be followed throughout house.

use of electricity in that space is as important as meal planning for the family.

Planning and shopping systematically makes it possible for a family to get the most for its food dollar. By the same token, the family who gets the most from its housing dollar in the way of benefits and pleasure is the one who makes a step-by-step plan that meets the needs of each family member.

This planning is important whether the space is small or large, simple or elaborate. And it should include: **ADEQUATE LIGHTING** for whatever use you are making of the remodeled area; adequate wiring and outlets; heating and air conditioning; plenty of hot water for your needs; insulation and ventilation where needed; and of course, convenience.

Once the remodeling is started, remember to expect inconvenience, waiting, and change from usual routine; but if you planned it well, it will be worth it!!



Back of the dining area in Mrs. Bradley's house is her new kitchen. She made such good use of the space in this corner. Above and below are lazy susans, with a drawer in the base cabinet above the lazy susan. When you look closely at the picture, you will notice that both the wall and base cabinets have diagonal corners, so as to allow more space in them.



Oftentimes the laundry area fits well into a bathroom. Mrs. Ray Arnold, Woodbury Rd., Murfreesboro, had this in mind when she planned the addition to her house. This picture shows her unloading the dryer. In the picture, you see the wall of a large shower area to the left of the laundry area. On the front wall of the room is the lavatory and commode.



Mrs. J. D. Bradley, Mona Rd., Route 3, Murfreesboro, added one large room to her house. She is shown here in the dining area where she has delightful space built in to show off her beautiful china and silver, as well as drawers and roll-out shelves for flatware, tablecloths, etc. Underneath the wall cabinets is undercabinet lighting. The counter is formica-covered and makes a delightful buffet serving ledge.



Mrs. John Dixon, Murfreesboro, is in her kitchen-laundry area. This was a remodeling job, in which an outside wall next to the garage was moved three feet into the garage area, to allow enough space to re-arrange the whole kitchen and have room for the washer and dryer. A door had to be re-located so a great deal of time and thought went into the planning to achieve this result.



Oftentimes, homemakers wish for a sewing corner that they can close when they have to pause in their sewing project. Above is a picture of an actual sewing area that is only 5 feet by 2½ feet. It has good lighting and every inch is well-planned. Perhaps you have a space like it somewhere in your house you might remodel to include such a sewing "haven" as this.

1973 Essay Contest Winner Dintin Smith

“Electricity: The Solution, Not the Problem”

by
Dintin Smith
Middle Tennessee E.M.C.

Seeing that all these things provide a cleaner environment we realize that the point of use is not where electricity's 13 per cent contribution to pollution originates. The distribution lines might be said to contribute some scenic pollution but is this serious enough to justify the expense of underground lines? The most serious problem then is



A senior at Lebanon High School, Dintin enjoys sports, reading and companionship of his friends. He was one of Middle Tennessee Electric Membership Corporation's representatives to the 1973 Washington Youth Tour and plans to attend college after high school graduation.

Air pollution, water pollution, thermal pollution, acid pollution, noise pollution, scenic pollution — pollution is a familiar word today; it is causing much concern — and rightly so. It is essential that our environment be safe and healthy. We hear conversation concerning insecticides in vegetables, mercury in fish, stilbestrol in beef, sewage in water, radiation and other killers in the air — so what — stop eating, stop drinking, stop breathing? No!! But the superstitious person won't die from these. His fate will be fear! Action to solve these problems must not be guided by fear and emotion but by knowledge, common sense, and patience.

Why is electricity being blamed with our environmental problems? Who would want to turn back the pages of time to the days of no electricity? The economic growth caused by electricity has brought a changed way of life for many people.

It changed a 70-hour work week to a 40-hour one. In the home, the flip of a switch changed the fumes of the oil lamp to the brightness of a light bulb. It changed the mess and fumes of the wood or gas stove to the cleanliness of an electric range. It pumps in running water, heating it for bathing, and it automatically washes and dries our clothes. Air conditioning and electric heat have changed both the humid summer day and the snowy winter day to days of great comfort. Electricity changed the dishpan to a dishwasher, the broom to a vacuum cleaner, the slop bucket to a garbage disposer, the garbage cans to trash compactors. The electronic air filter changes the air of the home from impure to pure. These are only samples of improvements made by electricity in the home. Our list would be endless if we continued to the barn, the factory, the hospital, the sewage plant, and the recreational center.

Anywhere you find man, you find electricity improving his way of life.

at the point of generation where fly ash and sulfur dioxide affect the air quality and the heated water causes thermal pollution in the river downstream. TVA has long been concerned about these environmental needs and has spent and is spending lots of money and much time in research. It has come a long way toward solving the problem by adding machinery to remove fly ash and sulphur dioxide and building cooling towers for discharged water. They are trying to heal the scars caused by strip mining by planting trees and vegetation there. In the future, mining and air pollution problems will be solved as nuclear energy becomes the source of heat and as the cooling towers decrease thermal pollution. Research continues to study ways of making practical use of this waste water. So we see electricity solving its own environmental problems and also seeking to help in other areas by powering equipment to recycle paper, bottles and metal; furnishing transportation by electrically-powered automobiles, buses, and trains; operating the waste water treatment plants; and solving the energy shortage with the breeder reactor, which can produce more nuclear fuel than it consumes.

As electricity answered the problems which changed man from a beast of burden to a human with time for living as well as making a living, so will it solve the problem of cleaning up our environment without slowing down the production of abundant energy. But we must have legislators and environmentalists who will have the common sense and patience to give time and funds for research and, at the same time, avoid imposing extreme environmental standards.

So, combine the concern of these individuals with the progress of research; and allow electricity to improve the quality of our environment as it improved the standards of living; and it will prove itself to be the SOLUTION, not the PROBLEM.

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Let us prove you can turn every extra hour into extra money for yourself. Just return the coupon. We'll send you our deluxe money-making kit of beauty aids worth \$12.75. Send in your first order in 30 days and keep the whole kit. Or, return the kit. Keep any 2 beauty aids in it — worth up to \$7.50 — ABSOLUTELY FREE just for considering our offer. Hurry! Openings NOW in your community.

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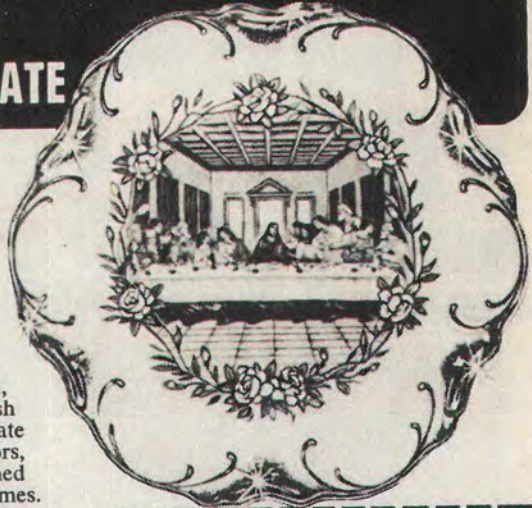
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World of Entertainment, Too, Usually Depends on Electricity

By Donald McDonald

Electrification Advisor — MTEMC

Certainly not the least advantage of electric living is the world of entertainment electricity opens up to us. For example, Middle Tennessee Electric Membership Corporation powers 11 radio stations in its service area. These stations provide local news and entertainment to the more than 38,000 households in an area which serves all of 4 and parts of 5 mid state countries.

Just like people, no two radio stations are alike — and one of the most unusual is WIZO AM-FM in Franklin. WIZO AM-FM is all electric, and it has the distinction of being the only computerized fully-automated Stereo radio stations on MTEMC lines.

WIZO is all electric from the front door bell to the transmitting towers. On May 25th, the Williamson County facility moved into an ultra modern new building that features centralized year-round electric heating and air conditioning, commercial grade indoor lighting, ample use of electric security lamps, and complete electric distribution to its AM and FM transmitters.

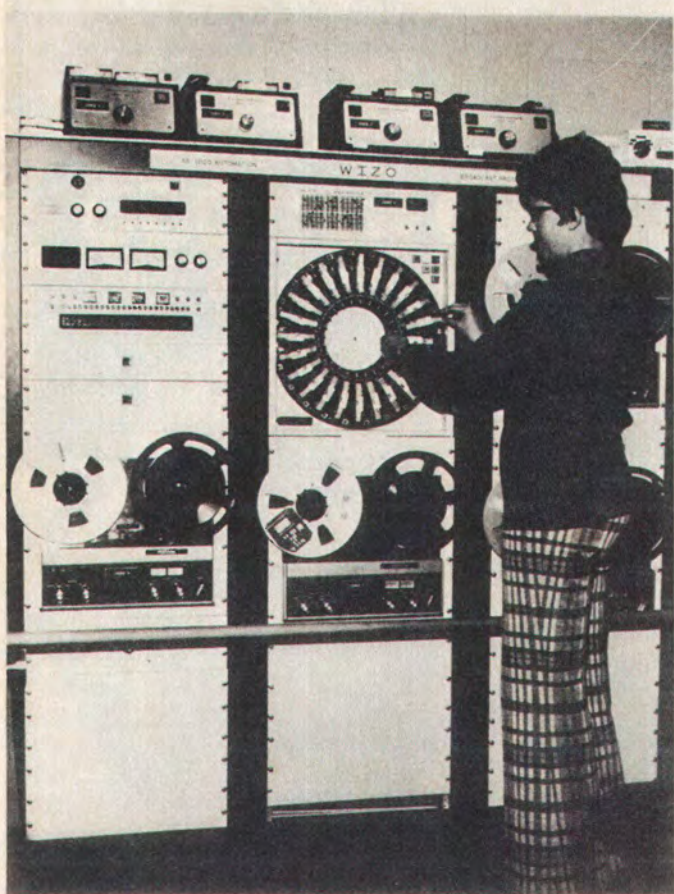
WIZO-AM began operation in 1969 on 1380 kc/s with 1000 watts. Its 320 foot transmitting tower — the tallest in Franklin — delivers a daytime signal for more than 35 miles.

WIZO-FM began in November of 1961 and operates on 100.1 mc with 3000 watts. Its stereo transmitter, also served

by MTEMC, is located high above Franklin on Melody Mountain. WIZO-FM can be heard in some cities more than 100 miles away. It's on FM that WIZO uses a mini-computer to fully automate the operation.

Jim Hayes, General Manager, said the complex system does the work of four or five people. Installed at a cost of more than \$15,000, the system handles all FM chores completely automatically from 5:30 AM to 11:00 PM seven days a week. Hayes said, "We feel WIZO-FM is especially important since it's the only full-time Franklin station. Although it is automated, it is programmed by people who love the community."

"Audi," as the system is called, is totally dependent on MTEMC. "It's run



Judy Hayes inserts pre-recorded commercial into FM automation system.

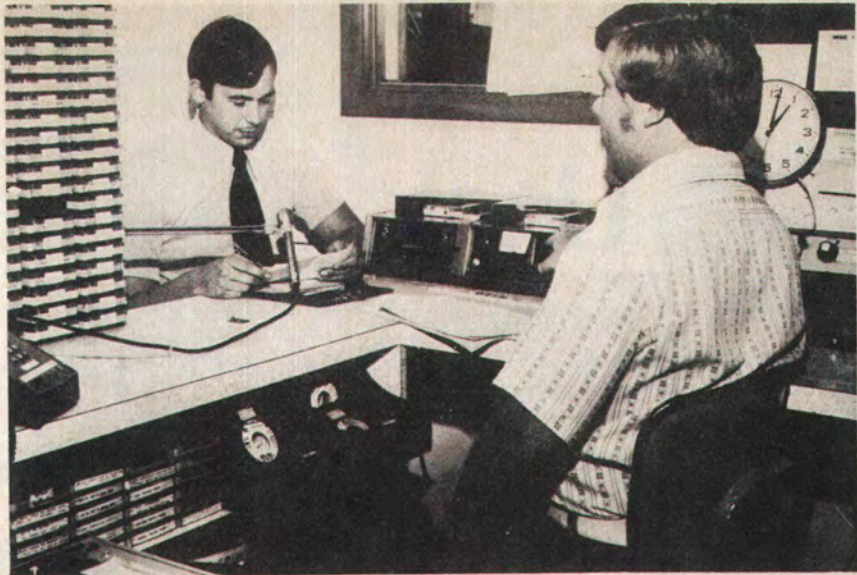


General Manager Jim Hayes checks FM Transmitter located high atop "Melody Mountain."

by a very accurate clock," Hayes said. "Our electric service is so dependable that clock hasn't lost or gained a second in a year."

WIZO AM-FM is active in community life. For the last 4 years, it has won a state news award from Associated Press and in 1971 and 1972, the stations took the Gold Award for news excellence. "Local news is our cup of tea," Assistant Mgr. Dan Rodgers commented. "We deliver more local news than any other station our size I know about." WIZO AM-FM employs ten Williamson County residents and is locally owned. "We don't see any reason why a small town station should sound small and deny our listeners the services they tune to the big city stations to hear. We were the first FM in the area to go to Stereo and the first to computerize. Now with our new building, I think we can really deliver a quality service."

One thing you won't find at WIZO AM-FM is an emergency motor generator. "During the last five years, we've lost less than two hours air time due to power failure. We plan to leave the electric service up to MTEMC," Hayes commented.



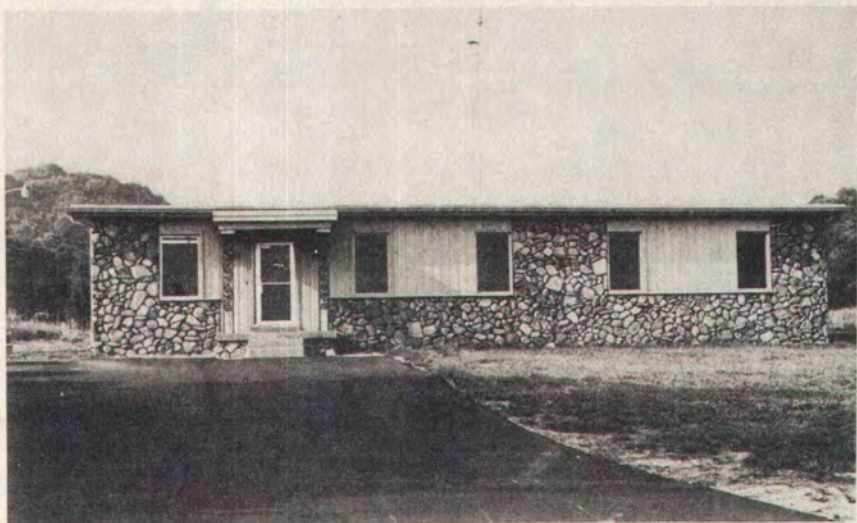
News Director Charles Dibrell and afternoon air personality, Steve Andersen, present the news over AM and FM.



Commercial Manager Joy Rodgers discusses advertising with Harold Stringer, Owner-Mgr. of Frank's Department Store in Franklin.



Linda Carden makes copies of the station's program logs in the "Front Office."



Ultra-modern studios and offices are located on Carter's Creek Pike just outside the Franklin City limits.

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.



Sandra Carter — Age: 13
Route 2, Box 158
Watertown, Tenn.
Middle Tenn. Electric Memb. Corp.



Tammy Hass — Age: 14
Route 1
Erie, Tenn. 37736
Volunteer Electric Cooperative



Scott Grimes — Age: 11
Box 13
Obion, Tenn. 38240
Gibson County Electric Cooperative



Melody Williams — Age: 13
P. O. Box 184
Munford, Tenn. 38058
Southwest Tenn. Electric Memb. Corp.



Timmy Binkley — Age: 10
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Cumberland Electric Memb. Corp.



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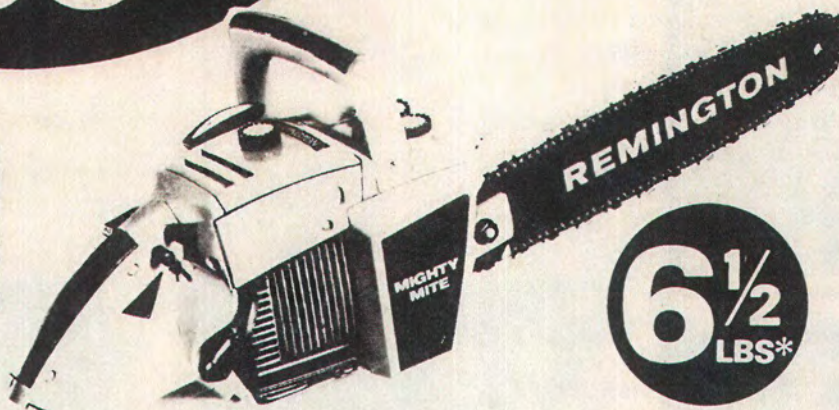
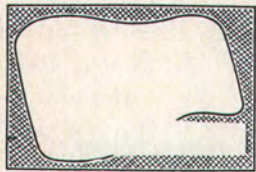
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delivers top power at the
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Robinson Supply & Furn. S&T
- CLINTON
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- COLUMBIA
Central Lime and Cement Co. S&T
- CROSSVILLE
Crossville Home Center S&T
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Floyd Hdwe. Co. S&T
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Robinson Bldg. Ctr. Inc. S&T
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Collins Furn. & Hdwe. S&T
- GREENVILLE
Mercer Bldg. Supply S&T
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Christmas Lbr. S&T
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Gooch Hdwe. S&T
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Potter Shop. Ctr. S&T
- Alfred & Potter Furn. Sales S&T
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NAGAF Hdwe. & Bldg. Sup. S&T
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Scott Food Inc., Hdwe. Div. S&T
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Sells Bldg. Supply Inc. S&T
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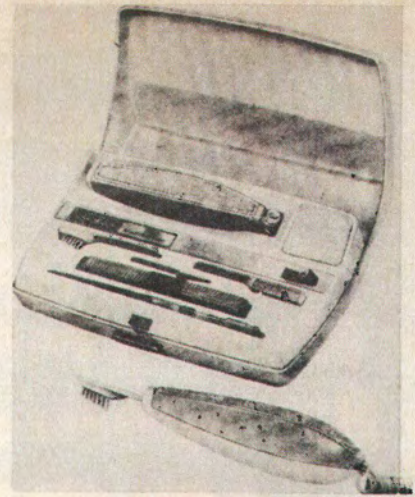
- RED BOILING SPRINGS
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Bowman Evans Hdwe. S&T
- ROCKWOOD
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- RODGERSVILLE
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- WESTMORELAND
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Hair Dryer



Vibrator-Massager



Manicure Set

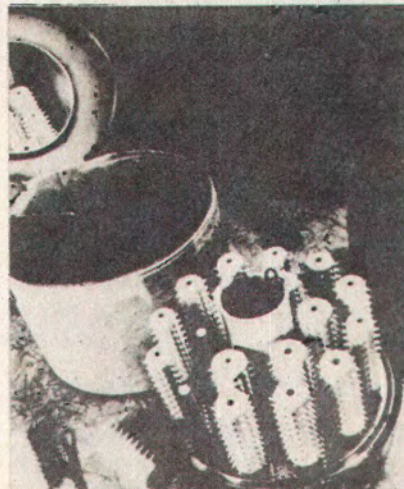


Steam Presser

Good grooming has



Facial Sauna



Hair Curler Set



Shaver



Styling Comb



Lighted Make-up Mirror



Toothbrush-Hygiene Unit

Tennessee Magazine

Appliances aid in personal care...

powerful friends

■ No one need scrimp on looking good these days. A whole new raft of electric appliances has been developed—or improved—to help every member of the family look their best with at-home care.

Electric hair dryers are almost standard beauty equipment. Every woman can keep her hair as clean and pretty as she likes, because drying hair is no longer an all-day affair. Salon-type dryers are the newest models, with hard bonnets which are easy to get under, even with the largest rollers. These also have greater wattage so more air flows around the head to help hair dry faster. Some new models are equipped with facial mist features so they can double as complexion care appliances and many have manicure attachments. The more traditional bonnet-type dryers are popular, too. They are less expensive and many come with shoulder straps or belts so you can move around while hair dries.

Keeping hair pretty between shampoos is no longer a problem, thanks to electric beauty aids which curl, style and fluff hair. The electrically-heated curlers can set hair in seven to fifteen minutes, the newest favorites for women and girls. There are several types of curlers; shop carefully before selecting one. It is said that curlers which use dry heat work best on oily hair; curlers which set with steam are better for dry hair; some units also offer products for conditioning the hair as well. Consider the size and number of rollers, the time it takes rollers to reach required heat, the safety features and the ease with which fasteners work.

Electric combs and brushes have wider application for the whole family. They are designed to shape and fluff hair while blowing it dry. Good for women who prefer the straighter hair styles, they are also gaining popularity with men who favor this approach to shape and control longer hair. They also work well on children's hair.

Even complexion care has gone electric. While there will never be a substitute for soap and water cleanliness, the deep cleansing action of the facial mist appliance is an important aid in complexion care. These home saunas provide controlled steam to cleanse pores by inducing perspiration which rids the skin of embedded dirt, make-up, excess oil and other skin nuisances.

Lighted make-up mirrors are also aids to complexion care. They can be set to simulate daylight, fluorescent light or soft lamp light, so that the user can see accurately how her skin and make-up will look in each setting. These mirrors are mercilessly frank about blemishes and skin condition and are sure to send even a balky teen back for more soap and water, if needed. And they help cosmetic application for women of all ages. One mirror even comes in a purse-size version for traveling.

There are powerful aids for dental and hand care. The automatic toothbrush—available in up-and-down or back-and-forth motions, or both—can help even the youngest brusher develop good habits in dental care.

And there are appliances which supplement the tooth-brush-plus-dentifrice routine. Pulsating dental hygiene units help flush food particles from between and around teeth and serve to stimulate gum circulation.

For beautiful hands, there are electric manicure sets which enable even the butter-fingered to get professional results. Most kinds include five attachments: cuticle pushers, cuticle brush, buffer, disc sander or nail shaper and drum sander or callus smoother. Some have a nail drying feature—also an extra on some deluxe model hair dryers.

Electric shavers are important grooming aids for both men and women. Improvements in their design—greater speed, changeable blades, shaped shaving surfaces and cordless models for traveling—are gathering more converts daily. Women shavers have also been updated with shaving surfaces curved to fit contours of legs and underarms, better blades and more feminine designs.

There are even appliances to simulate the work of a professional masseuse. Hand-held vibrators and massagers are now available to soothe muscles from the nape of the neck to aching feet.

Clothing care now has electric assistance. One of the most recent additions to the list of personal care appliances is the steam unit which removes wrinkles from any fabric which can be steam pressed. These appliances are small in size to allow easy packing for travel. The steam-producing element is heated in a few minutes and is then ready to touch up any garment just before wear.

With all of these electric marvels it may seem as if there is little left for a person to do to look good. But nothing could be farther from the truth. New beauty and grooming aids depend on scrupulously clean surfaces—be it clean hair to curl, clean skin to beautify, clean clothing to press.

So it is that despite all of the powerful help now available electrically, soap and water remain the most powerful grooming aids of all.

We all have a stake in solving America's energy crisis

To talk about energy is to talk about the security of our nation, and the health, well-being, and safety of each one of us. Everything that makes up our "American way of life"—material wealth, physical comfort, good food, and ample leisure, as well as national strength—depends upon a sufficient supply of reliable electric power.

The United States, with about six per cent of the world's population, consumes more than a third of the world's available energy supplies . . . and total energy use is increasing at a rate of just under five percent per year, compared with about three percent for the period 1947-1960.

Now, we, as a nation, must face the shocking fact that clean-burning fossil fuels—natural gas, low-sulfur coal, and oil—used in the production of electric power, and necessary to meet certain environmental standards, are no longer available in quantities equal to demand. And other potential energy sources, such as nuclear, magnetohydrodynamics, and solar, are not far enough along in development to make a significant contribution.

Yet America must win the race against the rapidly mounting shortage of electric energy. There is no reasonable alternative.

On the national level . . . we joined four years ago with the nearly 1,000 other rural electric systems across the country, in a nationwide campaign to alert people to the energy crisis confronting America, and to advocate certain definite steps toward solution, such as:

- Formulation of a comprehensive national policy on energy and resources.
- Initiation of a massive, well-funded research and development program, similar in scope to that which put man on the moon and Skylab in orbit, to develop abundant sources of clean fuel.
- Development and construction of a national power grid, capable of moving large blocks of power from east to west, north to south, and back again, to meet demand.

In our own areas . . . we're planning ahead, as always, to meet the growing needs of our consumers . . . and our pledge is to continue to provide you with adequate, reliable electric light and power.

But we don't operate in a vacuum—so it's up to us, to our consumers, to you, to people everywhere, to press hard for national action now . . . to express this view verbally and in writing to state and national leaders.

We all have a stake in a national energy policy . . . because we all have a stake in solving America's energy crisis.



Tennessee's Electric Cooperatives

Write us for more information or come by our headquarters to discuss this crisis further.



Timely Topics

GROW ALFALFA FOR SOURCE OF PROTEIN

Alfalfa hay production can make an important contribution to a sound farm management program, says Joseph N. Matthews, UT Extension agronomist.

"Crops high in protein content have always been important to farmers," says the assistant professor of plant and soil science, University of Tennessee. "The current high cost of protein supplement has intensified this need."

A recent summary shows that 191 alfalfa hay samples have been tested by the UT Forage Testing Laboratory, he explains. These samples had an average crude protein level of 18.5 percent and the estimated digestible protein level was 12.5 percent. Thus, alfalfa can be an important protein source.

The proper use of lime is an important management factor in alfalfa production, points out Matthews. For a long production life, alfalfa should be limed to a higher pH level than most crops in Tennessee. Research shows that on a soil limed to 7.2 pH, alfalfa yielded five tons of hay per acre in the sixth year of production. On a soil limed to a pH of 6.4, yield in the sixth year was only 2.6 tons per acre.

"Based on the above research, the University of Tennessee recommends that soil be limed to a pH of 7.0 for alfalfa production," says the agronomist.

A soil test is the only way to accurately determine soil pH. Send samples to the UT Soil Testing Laboratory, P.O. Box 11019, Nashville, Tennessee 37211.

OVER 500 4-H'ERS ATTEND ROUNDUP AT UT KNOXVILLE

Over 500 4-H'ers from across the state attended the 50th 4-H Roundup at the University of Tennessee, Knoxville, August 6-10.

"4-H-A New World Coming was the theme for the annual conference, according to George H. Foster, professor and leader of 4-H, UT Agricultural Extension Service. The program is conducted by the Extension Service and is sponsored by friends of 4-H.

The awards banquet on August 7 climaxed another year of hard work and competition for 4-H'ers in 35 project areas, says Foster. Tennessee delegates to the National 4-H Congress at Chicago in November were named at the banquet. The banquet is sponsored by the Tennessee Association of Production Credit Associations.

The Vol State Awards — the highest honor a Tennessee 4-H member can receive — were presented on Wednesday night, August 8.

Other program highlights included a pageant, college tours, a trip to Gatlinburg and to Hunter Hills Theatre to see "The Wizard of Oz", recreation and assembly programs and election of the 1974 4-H Roundup Council.

A new feature of Roundup this year was a 4-H Chorus made up of Roundup delegates.

BULLOCK BEEF AUTHORIZED BY USDA STANDARDS

The U.S. Department of Agriculture has announced a revision in federal meat grading standards, as of July 1, according to a UT Extension agricultural economist.

The revised standards permit USDA meat graders to identify beef from young bulls (usually under two years old) as "bullock beef" and to grade this beef under the same criteria used for steer and heifer beef, according to D. R. Humberd, associate professor at the University of Tennessee.

"The grading standards changes do not affect the quality of any of the USDA grades now sold in retail stores," points out Humberd. "The revised standards do require the word 'bullock' to be rolled onto every graded carcass of this type, along with the USDA grade shield. This permits consumers to readily identify bullock beef and know that it is from young bulls."

This change in grading standards may also influence the price discrimination against bull calves shown at some feeder calf sales, he adds.

If consumers favor bullock beef — and buy it — it could become a major factor in our meat supplies, says the agricul-

tural economist. Tests indicate that the taste of bullock beef in the higher grades (USDA prime, choice and good) are quite acceptable to the average consumer.

While the grading standards have changed, it will probably be several months before "bullock beef" appears on meat counters. Remember to look for it and give it the taste test.

FIRST STATEWIDE FEEDER CALF SALE SEPTEMBER 14

Tennessee's first statewide Feeder Calf Show and Sale will be held Friday, September 14, at the Dickson Livestock Center, Dickson, announces Fred C. Powell, UT Extension beef specialist.

"Premiums totaling \$2500 will be awarded," says the assistant professor at the University of Tennessee. "Entries will be made as pen of five or pen of 15 steers in the Angus, Hereford, cross-breed and other breed divisions. They will be divided into two weight groups — 400 to 500 pounds and 501 to 600 pounds."

All entries will be tagged with USDA Carcass Data Service eartags so producers may receive carcass data information on their calves after slaughter.

After the show, all entries will be grouped into half-load and load lots according to breed and weight and sold at auction, continues Powell. The Grand Champion, Reserve Champion and first place winners will be sold as individual lots.

"Many order buyers and feedlot operators in the High Plains area, Kansas and Nebraska have expressed a desire to see and evaluate Tennessee feeder calves from various sections of the state at one time," points out the specialist. "This show and sale will give them this opportunity before the fall run on feeder calves begins."

Entry forms and details are available from county Extension leaders, county Livestock Associations, and Organizational Feeder Calf Sales. Entry deadline is September 5.

Reelfoot Rural Ministry

When people begin helping each other,
the problems of the world haven't a chance.

By Jim Lynch
Staff Writer

At the end of a lonely little gravel road in an isolated part of Northwestern Tennessee, where fields of soybeans and cotton dot land that seems to get too much rain in the Spring — then too little in the Summer, stands a symbol of compassion and understanding for the plight of the people who work this land — The Reelfoot Rural Ministry.

From a very simple beginning 10 years ago when an area school teacher first noticed that the poverty and strife of the area was having a detrimental effect upon the local children, steady steps have been taken to provide a spiritual community center where people could gather to work out solutions for the many problems they faced. Today, their dream has become a reality with the completion of the modern \$107,000 complex, financed by the Memphis Annual Conference of the United Methodist Church.

When school teacher Hilda McKinnie

saw the lost expressions on the faces of many of her students, she was not unaware of the principal cause. The poverty, loneliness, and lack of proper education was creating a generation with no direction, a situation she quickly moved to alter.

Deciding that the answer lay in building a solid spiritual character, she helped organize a Sunday School for the children that met in an unused Methodist Church in Mooring, Tenn-

essee, just a few miles from famous Reelfoot Lake.

On those happy Sundays, everyone would meet at the old church and warm themselves by the oil heater, sing songs to the accompaniment of an out-of-tune piano and talk about the fact that God is Love.

Soon, the parents began to follow suit and the church began to concern itself with the welfare and happiness of the people in the area. Old clothes were



But sometimes the work can get you down as this youngster seems to show. Oh well, things will get better later.



Rev. Tommy Edwards (left) tells GCEMC's Floyd Roberts that future plans call for increasing the availability of services to the area residents.



Left to right, Rev. Tommy Edwards, Mr. Mills, and Harry Graham stop in the lobby to make sure everything is all right at the Center.

provided for anyone who needed them and, as a special treat, each child was given a piece of candy or gum after church on Sunday. For many, it was the only time they received such treats.

Not long after this, the Methodist Church placed deaconess Pauline Precise in the Reelfoot area and she soon began to coordinate the activities of the Reelfoot Rural Ministry. She visited people's homes, fished with them, played checkers with them, drove them to the many places they needed to be, and offered them friendship, companionship and advice.

Gradually, her hard work and love for the people helped bring about the recent completion of the new community center, and she has since moved to Oklahoma continuing to do the Church's will.

The community center is now under the direction of Tommy Edwards, a Methodist minister from nearby Ridgely, who has recently added medical and dental facilities to the complex. The minister noted that about 68% of the residents of the immediate rural area earn less than \$3,000 annually and couldn't afford proper care. The Ministry now provides medical and dental service at minimal prices. As an example, a pulled tooth by a Ministry dentist will result in a bill of \$1.00. That's right, \$1.00.

They also realize that a lady can't feel her best unless she looks her best, so they have a beauty shop in the building where a first-class hairdo costs 25¢! There's also a thrift shop for bargain clothes and other millinery plus the newest of the center's services, a day care center.



Mr. and Mrs. Howard Mills look after the Thrift Shop at the Center where clothes and other items are offered for sale. The profits go to the people themselves, not the Center.

Rev. Edwards stated that initially it will accommodate about 20 children at a charge of \$15 per week, and will be the responsibility of Miss Beth Burns, a recent graduate of U-T Martin who grew up in Union City, just a few miles from the center. Then later, they can expand to include more children if needed.

All in all, the 250-500 families who participate in the Reelfoot Rural Ministry project have a lot to be thankful for. The center operates on donations and gifts and hopes to become



Mrs. Alice Laferty (left) and Mrs. Verlene Garrett get together several days a week to sew quilts and other items necessary for the home.

a model for other ministries in other areas. It's a peculiar thing to see ladies from very wealthy families sewing with other ladies from very low income homes — sharing a togetherness and friendship too often lacking in this modern world.

And as the center grows (it now includes all of Lake County and parts of Obion and Dyer Counties) it will stand as an example of what people can do for themselves when given the direction and understanding by those who care — a salute to the United Methodist Church and the people of Northwest Tennessee.



In the Center's game room, Sandy Collins swats the ping-pong ball back across the table. Many of the area children use the facilities daily.



Mr. Graham, a retired employee of the Corp of Engineers is the "Mr. Everything" for the organization.

continued from p. 7

fastest growing sports in America. I like to be outdoors when I can and indoors when I have to. And first of all, as of now, don't forget that I've just become a grandfather for the first time. That's going to revise my spare time schedule quite a bit."

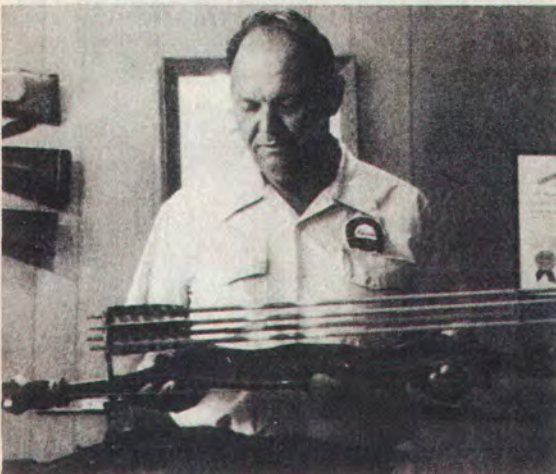
Revised or not, Herbert Fuqua's time during the past quarter century has mostly been spent for the well being of others — family, co-op members, other friends and fellow sportsmen. That nickname, "Heavy", may apply at least as much to this big man's time spent in behalf of others as it does to his weight.



Fuqua explains the firing action of this, one of the many rifles that he has made. Stock of this gun is made of tiger stripe maple.



Fuqua inspects the pattern-shaped stock of a newly-begun longrifle soon after in-putting the barrel.



An enthusiastic outdoor sportsman, Fuqua, in addition to his longrifles, enjoys hunting with bow and arrows. He has bagged one deer by the latter method of hunting.

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Reflections of the Past



Built in 1780 by Thomas Amis, the old Amis house is still occupied by a direct descendant, Miss Anne Amis and will probably remain standing for many years to come.

The Amis house of Rogersville remembers the pioneer spirit

Nestled serenely amid the chestnut trees and easy rolling hills outside Rogersville, Tennessee, is the large stone house of Miss Anne Amis. It's a peculiar looking house, closely resembling a small fortress that was built to last forever. And it has lasted — ever since Miss Amis' great-great grandfather built it — in 1780!

Miss Amis, now in her late 80's occupies only a small portion of Hawkins County's oldest home, having closed off most of it because as she says, "it's just too much trouble to keep clean. There's over 150 years of dirt accumulated and I'm just not going to worry about it."

Word around the community has it

that Miss Anne, every now and then, steps off the back porch of old house and fires a couple of shots from an old revolver down the hollow just to let folks know that she is still around. Living in relative peace and comfort, she doesn't seem to want for anything except occasional company.

"Folks just don't come around to visit as much as they used to," she says, "everyone seems to be in a hurry to get somewhere, but I don't know where."

Miss Anne, who has never married, keeps track of the large Amis family as best as she can, but it seems to be an endless task. When Thomas Amis brought his family across the mountains into Hawkins County in 1770, he

established himself as one of the area's most prominent citizens. Twice married, he fathered 14 children, one of whom married Joseph Rogers, an Irish storekeeper for whom Rogersville was named.

Amis was engaged as a storekeeper himself, but was also one of the best blacksmiths around. In addition, he gained a reputation as an expert distiller and operated a small tavern where neighbors would meet to sample Amis' wares and discuss the topics of the day.

When Joseph Rogers married Mary Amis, the proud father of the bride gave the newlyweds a large tract of land of which Rogers promptly set aside two acres for the construction of a "court-



Holston Electric Cooperative's Noah Britton (right) discusses part of the history of Hawkins County with Miss Amis and an unidentified TVA official.



Inside the house stands many reminders of the past like this old desk that contains many papers and notes pertaining to the Amis history.

continued on p. 29

PUZZLE CORNER

Last month's Puzzle Corner brought in a large response of which about half seemed to be correct. You were asked to place certain events in Tennessee's history in their proper order which proved to be not the easiest thing to do. Most of the confusion centered on the Founding of Jonesboro and the origination of the term "Volunteer" state.

The correct sequence is as follows:

- Founding of Jonesboro — 1779
- First use of nickname "Volunteer" — 1812
- Davy Crockett elected to Congress — 1826
- Nashville becomes capital — 1843
- Memphis yellow fever epidemic — 1878

The winners, chosen by lot from all correct answers on a rotating basis of the State's three Grand Divisions are as follows:

First Place: Joe M. Woodside of Route 1, Morrison, Tennessee 37357, a member of Caney Fork Electric cooperative — \$10.

Second Place: Bobby Davis of P.O. Box 77, Tazewell, Tennessee 37879, a member of Powell Valley Electric Cooperative — \$5.

Third Place: Miss Diane Shearon of P.O. Box 302, Moscow, Tennessee 38057, a member of Chickasaw Electric Cooperative — \$5.

And now for the September puzzle:

Here is a stubborn teaser. Even though it sounds easy, give it a try. Using any necessary combination of division, multiplication, addition or subtraction, make four 2's equal 7. (Remember, 2 can be used as a square sign and with a decimal fraction.)

Send your replies, along with your name, address including zip code, and name of your electric cooperative to:

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ADEQUATE WATER SUPPLY A NECESSITY



Jack Bomar, Manager of First Utility District in Tipton County, points out on a map the new water lines that are being built by Volz Construction Company of Ripley to John Chisolm, seated, George Dawson and M.B. Howard, Sr.

an expensive filter system that provided clear, clean water. Others used springs and inadequate wells for their water supply.

The area contained several established communities whose lots were being developed for residential construction. The mobile home boom was beginning to expand in this area. New industries were being established around Covington and the neighboring towns. Water being a necessity for the growing communities, also created additional problems.

A group of citizens of the area formed the First Utility District. A three member Board of Trustees was named consisting of Mr. John Chisolm, President; Mr. George Dawson, Secretary-Treasurer; and Mr. M.B. Howard, Sr., Trustee. Mr. William D. Grugett was selected as attorney for the District. A survey was made and over 300 individual contracts were signed for water and natural gas. A loan was obtained from HUD, lines were installed, wells dug, employees hired and the First Utility District began serving its customers.

In June of 1965 the District sent its first water bills to 222 customers with a total of \$1,340. The 325 natural gas meters were turned on earlier in the year. Over twenty-five hydrants were installed and ready for fire protection. A 250,000 gallon tank near Burlison was

*By Hubert H. Williams
Power Use Supervisor*

*Southwest Tennessee Electric Memb.
Corp.*

An adequate water supply was paramount in the minds of the rural people of Tipton County when the First

Utility District was organized in 1964. As you travel west from Covington in Tipton County the problem of obtaining a good clear water supply became greater with each mile.

Many of the homes and farms had large cisterns and purchased their water from a tank truck, paying \$5.00 per 1000 gallons. Some had deep wells with



Manager Jack Bomar explains how daily charts are kept on the water pumping plant located in the Owens Community.



Mr. George Volz, contractor, second from left, shows the First Utility Board, John Chisolm, M.B. Howard, Sr., and George Dawson some of the pumps and motors that will be installed in the plant.



Lester Cranford, Serviceman, keeps in touch with the main office by two-way radio equipment.

erected for storage and pressure. Mrs. Marshall Townsend was hired as Bookkeeper and Mr. Jack Bomar of Munford became Manager for the District. These two capable employees guided the new company's functions during its early growing stages.

In 1967 the first extension was added to the original system to serve another large residential area of the county.

In 1973, with 1050 water customers and 560 gas customers, First Utility District is in a construction program that will extend its lines to another 500 water customers and approximately 100 gas customers. The program includes a new well and increasing its filter system to 600 gallons per minute. This will give the District a capacity of pumping over 865,000 gallons per day. All services east of Covington are purchased and pumped from the City of Covington water system. This is a new and small area of Tipton County that is being served by the First Utility District.

First Utility District now has two service trucks, two-way radio communications, and facilities for serving



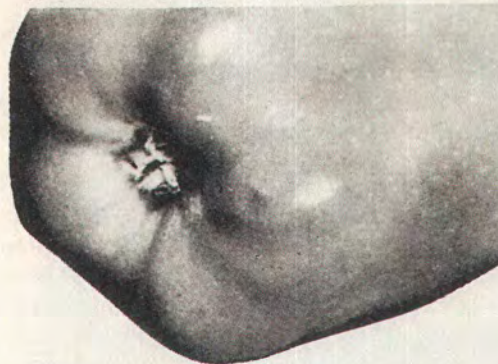
Reading water meters is one of the many duties of Serviceman Charlie Overton.



Mrs. Marshall Townsend, Bookkeeper, checks out meter readings in the First Utility District office.

all the anticipated load in their service area. The water is sampled daily for mineral, pH, and bacteria content. Samples are sent to the State of Tennessee Health Department four

times each month. Scheduled visits are made to the plant by a representative of the Health Department. Clean, clear water is still the number one purpose of the service in the First Utility District.



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Town Branch has been a problem to the citizens of Byrdstown, Tenn. for many years.

Most of the time the tranquil stream flows almost unnoticed as it slowly makes its way toward a sinkhole at the northeast end of town. "But just let it set in to raining and we had flooding," according to Mayor C.H. Vincent. "There have been times when the fire hall flooded, school bus routes were under water and people were not able to get to the one industry in town."

One of the biggest floods ever to hit Byrdstown is said to have occurred on a rainy night after a few local rowdies, well plied with white lightning, placed a bundle of corn fodder in the sinkhole to see what would happen. The corn fodder slowed the flow of rapidly rising waters into the sinkhole. It is said that the flood waters rose high enough to float an upright piano out of a church that stood near the stream.

Happily the water disposal problems of Byrdstown will soon be a thing of the past thanks to a unique flood-prevention project installed by the Soil Conservation Service. The project, made possible through the Hull-York Lakeland Resource Conservation and Development Association (RC&D), is sponsored by the Byrdstown City Government and the Pickett County Soil Conservation District.

During the latter part of 1970 and early 1971, RC&D Association leaders and specialists of the Soil Conservation Service worked with city officials in developing a plan for the works of improvement on Town Branch and three selected tributaries. The plan



Author A.K. Booher discusses the drainage problem with Bill Rich, city council member from Byrdstown, J.C. Asberry, secretary of the Pickett Soil Conservation District, Coleman Crouch, Chairman of Pickett SCD, B.Q. Harrison, District Conservationist, Gyrllie Byrd, council member, and C.H. Vincent, Mayor of Byrdstown.

END OF A LONG WET SPELL

Byrdstown Will Soon Correct Its Drainage Problem

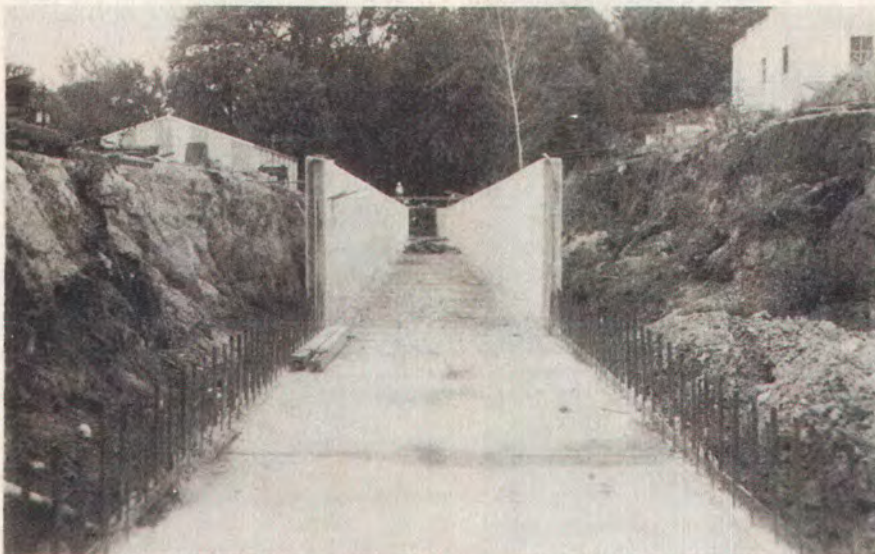
By: A.K. Booher, Project Coordinator
Soil Conservation Service

includes provisions for 1000 feet of concrete-lined channel, 712 feet of 30-inch conduit pipe, 616 feet of riprap channel, 1223 feet of vegetated channel, one grassed waterway and a number of

headwalls. In addition, about 40 acres of severely eroded land within the 380-acre drainage area will be vegetated. A new, safe outlet that will bypass the stopped-up sinkhole is a key feature of the planned improvements. The new outlet for Town Creek will be a well defined, natural drainageway, stabilized by rock riprap, concrete and vegetation.

RC&D funds amounting to about \$132,000 were used for the improvements. Even though last spring was punctuated with almost daily downpours, the project had reached a stage that prevented serious flooding. Local officials think that this is a good indication that flooding in Byrdstown is a thing of the past. Heavy construction work should be completed by mid-summer, with only seeding and landscaping remaining to be done in late August.

The project, with a new outlet, will allow homeowners to improve the drainage of lawns, gardens and home grounds for the first time. Pollution will also be minimized, and the town as a whole will take on a new face.



Eventually the channel through town will be controlled by the use of concrete walls and floors in an effort to correct the past floodings caused by the unpredictable creek. Construction for the project is being handled by B. H. Phillips Construction Co.

continued from p. 24

house, prison and stocks." The settlement was called Hawkins Courthouse. Three years later, Rogers entered into a partnership with another young Irishman named James Hagan, also married to an Amis daughter, and together, the brothers-in-law applied to the State Legislature for the establishment of a town at Hawkins Courthouse. Their application was approved by the General Assembly on December 22, 1789, and Rogersville was born.

The town grew slowly and quietly and had the honor of being the place at which was issued the first newspaper in Tennessee. From 1791 to 1792, the "Knoxville Gazette" was, for some reason published and printed in Rogersville. Why it was known as the "Knoxville Gazette" is something of a mystery because Knoxville didn't officially come into existence until 1793. The residents of the Hawkins County community had to wait until 1814 to get their own "Rogersville Gazette".

As was common in early America, conditions required that laws be strictly enforced and any breach of law was met with extreme severity in the courts. The first criminal case tried by the Hawkins County Circuit Court in 1810, involved a man named Obediah Gents who was charged with horse stealing. He was found guilty and sentenced to 30 lashes and six months in the county jail. He also had his right hand branded with a capital "H", his left with a capital "T", rather extreme measures even for that time.

But with quality leadership and a hard-working populace, Rogersville and Hawkins County prospered into the 20th century and became the home of the Holston Electric Cooperative in 1940. And one of Holston's proudest members is Miss Anne Amis, living peacefully in a house whose builder would have had no conception of today's technology. The idea of wires carrying an energy source capable of lighting his entire home, heating it, doing his laundry and many other marvels, was about as far removed from his thinking as would have been rocket ships. But the old house has changed over the years and the improvements of today and those of tomorrow will assure that this historical treasure remains in existence for a long time to come.

Miss Anne doesn't seem to worry much though. She says, "This ol' house has been here for a long time — and I don't see much reason for it not to last even longer. After all, it was built to last."



In downtown Rogersville stands one of the oldest hotels in the state, the Hale Springs Hotel. Andrew Jackson lived at the hotel soon after he began practicing law.



Shaded peacefully from the sun, the Hawkins Courthouse has seen many things over the years, including the growth of Tennessee's fourth oldest town, Rogersville.

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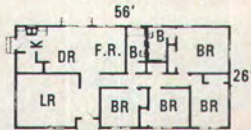
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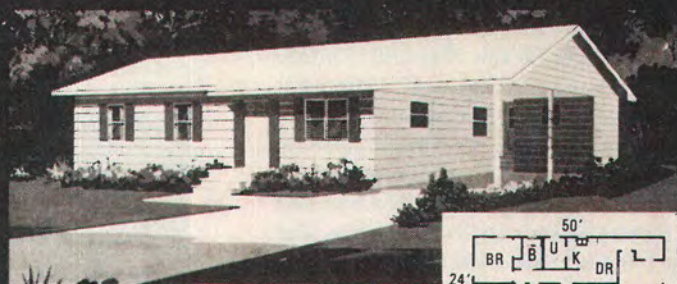
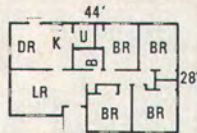


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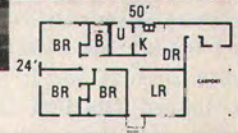
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to qualified property owners



the SEBRING
4 Bedrooms — 1 Bath



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JIM WALTER HOMES

(Mail to nearest office)

I would like to have more information and the cost of building on my property. I understand there would be no obligation to buy and that you would give me these facts free of charge.



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ADDRESS _____

CITY _____ STATE _____

Telephone (or neighbors) _____

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Northeast Station
3821 Dickerson
Phone 865-1900

KNOXVILLE, TENN. 37901
P.O. Box 1967
4337 Asheville Hwy.
Phone 546-4640

MEMPHIS, TENN. 38118
P.O. Box 18217
3763 Lamar Avenue
Phone 363-3410

TULLAHOMA, TENN. 37388
P.O. Box 584
New Manchester Hwy.
Phone 445-5898

JACKSON, TENN. 38302
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CALVES - CALVES - CALVES — 2 to 14 weeks old. All calves delivered on approval with a Veterinary health certificate. Must meet with your approval on arrival only. Minimum order 25 head. We deliver or you may pick your own. Call or write Bill Nolan Livestock, Inc., Bonduel, Wis. 54107. Phone 715-758-8484.

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FT. SMITH AUCTION SCHOOL, Ft. Smith, Ark. 72901. Resident and home study. Veteran approved.

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FREE SAMPLE PHOTO Xmas card from your color or black and white negative. Complete information and our Christmas card price list returned with your negative and free sample card . . . Special — 8 or 12 exposure Kodacolor developed and printed borderless \$1.79. 20 exposure \$2.99. Camera store quality and satisfaction guaranteed. P.D.Q. Photofinishers, Box 15050-19, St. Louis, Missouri 63110.

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STOP RUSTY WATER FROM RUINING WASH, Staining Fixtures. Proven filter keeps water free from rust, sand, odors, tastes, other impurities. Economical, washable replacements. 30 Day Trail Offer. Write Samcor, 836-RT, West 79th, Minneapolis, Minn. 55420.

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WANTED: U. S. Gold Coins, will pay five times face value. L. Kenneth Johnson, Stahlman Bldg., Nashville, Tenn. 37201, Phone - 256-2197.

GINSENG, GOLDEN SEAL, May Apple and other roots wanted. Write for price list. St. Louis Commission Co., Dept. 2, 4157 No. Kingshighway, St. Louis, Mo. 63115.

AMAZING MONEY-SAVING OFFERS

For Fall Planting

FREE No Extra Cost with our Feature Tulip Bulb offer for This 3-4 year old COLORADO BLUE SPRUCE

TULIP BULBS

ORDER NOW—PAY LATER

39c DOZEN

(Min. 7 Doz. for only \$2.73)

Everyone who loves flowers is thrilled with the glorious color and graceful beauty of Tulips in bloom. And what better way to assure yourself of a gorgeous display right in your own garden than to plan ahead and place your order now at these low, money-saving prices. Tulip bulbs must be planted in the fall. They bloom in the spring and many years thereafter. No need to dig them up every year—just let them stay. You pay nothing, until delivered to your door in time for fall planting. These are healthy, hardy, medium size planting stock bulbs averaging 2½-3 inches circumference—yours at the low, low price of 39c dozen (min. 7 doz. only \$2.73—14 doz. only \$5.25). Given proper soil, care and with normal growing conditions they should develop into larger size bulbs the first year's planting. They come in a rainbow mix assortment of flaming colors, dazzling reds, whites, orange, yellow, pinks, two-tones, dark shades, etc., as available. Many have already bloomed in the field this spring. Full planting directions included.

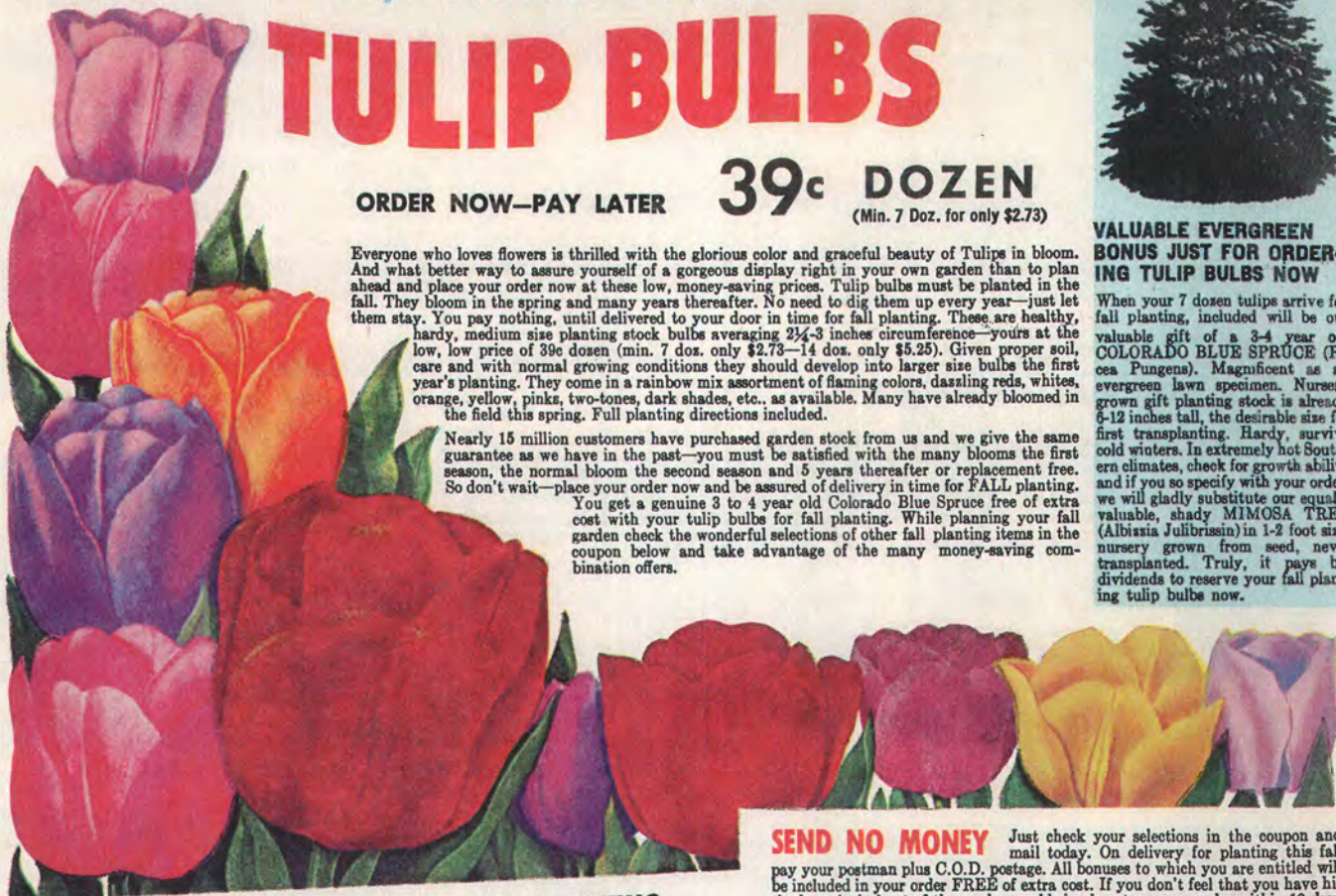
Nearly 15 million customers have purchased garden stock from us and we give the same guarantee as we have in the past—you must be satisfied with the many blooms the first season, the normal bloom the second season and 5 years thereafter or replacement free. So don't wait—place your order now and be assured of delivery in time for FALL planting.

You get a genuine 3 to 4 year old Colorado Blue Spruce free of extra cost with your tulip bulbs for fall planting. While planning your fall garden check the wonderful selections of other fall planting items in the coupon below and take advantage of the many money-saving combination offers.



VALUABLE EVERGREEN BONUS JUST FOR ORDERING TULIP BULBS NOW

When your 7 dozen tulips arrive for fall planting, included will be our valuable gift of a 3-4 year old COLORADO BLUE SPRUCE (Picea pungens), Magnificent as an evergreen lawn specimen. Nursery grown gift planting stock is already 6-12 inches tall, the desirable size for first transplanting. Hardy, survive cold winters. In extremely hot Southern climates, check for growth ability and if you so specify with your order, we will gladly substitute our equally valuable, shady MIMOSA TREE (Albisia Julibrissin) in 1-2 foot size, nursery grown from seed, never transplanted. Truly, it pays big dividends to reserve your fall planting tulip bulbs now.



MORE BARGAIN OFFERS FOR FALL PLANTING

IMPORTED HOLLAND PARROT TULIP BULBS

10 for \$1.75

Bloom with large, feathered flowers resembling a Parrot's head. Coloring is brilliant with red, yellow and tinge of green on each tulip. Our price for 9-10 cm. bulbs averaging 3 inches circumference is probably much less than you will pay for ordinary tulips. Check order on coupon.

20 for \$3.25

IMPORTED HOLLAND DUTCH HYACINTH

6 Bulbs for \$1.95

A great offering in fine Dutch Hyacinths, 14 to 15 cm. garden size (5 in. circumference). Very fragrant. Pink, yellow, blue, and white mix give lovely color contrast. Order now for fall delivery and save. Instructions included.

CREeping PHLOX (PHLOX SUBULATA)

6 For \$1 18 for \$2.89

Spreads 12 inches in diameter when mature. Clusters of flowers in spring each bloom about an inch across. Lovely foliage carpets ground and stays green almost all year. Valuable for borders, boundaries, banks, bare spots. Healthy, hardy perennial plants one year old. Assorted colors as available. Check coupon and mail today.

GIANT ALLIUM (ALLIUM AFLATUNENCE)

3 Bulbs \$1.98

Planted this fall these Imported Holland 10 cm. bulbs grow into huge 8-12 inch lilac-purple flower heads next spring. These 2 ft. beauties are a garden rarity. Order today.

First Flowers of Spring!

IMPORTED HOLLAND CROCUS

20 Bulbs for \$1.75

Cheery goblet shaped flowers. Our mix of white, yellow, striped and blue are very colorful. Bulbs are 7-8 cm. (2¾-3 inch circumference). Check coupon. Order now.



PEONY SPECIAL

3 for \$2.85 (95¢ Each)

Hardy, lifetime peonies offer rare beauty with large blooms on stems 2 to 3' tall. Bloom second growing season after planting and each spring without replanting. We ship 3 sturdy 2 to 3 eye planting stock root divisions at fall planting time for only \$2.85 . . . 3 colors . . . one each of pink, white and red. Check coupon.

DAFFODILS

(NARCISSUS—U.S. GROWN)

18 Bulbs \$1.99

Famed varieties of yellows, whites, pinks, two tones as available. 10-12 cm. blooming size bulbs . . . (ave. 4" circumference). Bloom early spring with enchanting colors. Mail coupon today.



ANOTHER BONUS FOR MAILING

ORDER BY NOVEMBER 10th

6 Imported Holland FLAMING ALLIUM (3-4 cm.) that bloom with graceful heads of red flowers about 12" high. (Allium Ostroskianum) given free of extra cost if order is mailed by deadline date. Check this bonus in coupon and mail today.

SEND NO MONEY

Just check your selections in the coupon and mail today. On delivery for planting this fall pay your postman plus C.O.D. postage. All bonuses to which you are entitled will be included in your order FREE of extra cost. If you don't feel that you have hit the bargain jackpot of the garden world simply return your order within 10 days for a refund of the purchase price. Be sure to read the BONUS COUPON below.

MAIL THIS MONEY SAVING ORDER COUPON

MICHIGAN BULB CO., Dept. RG-1457 Grand Rapids, Mich. 49550

Please send orders checked below in plenty of time for regular fall planting. If I am not satisfied on inspection I may return within 10 days for purchase price refund. Any fall planted item not blooming, replacement is free (5 yr. limit).

- 7 Dozen Tulip Bulbs (featured above) \$2.73
- 14 Dozen (double order) 5.25
- 10 Imported Holland PARROT TULIPS as described. Brilliant Red, Yellow and Green All On Each Flower 1.75
- 20 Holland PARROT TULIPS 3.25
- 6 Dutch Hyacinth Bulbs, Mix 1.95
- 20 Holland Crocus Bulbs 1.75
- 18 Daffodils (Narcissus) "name" varieties 1.99
- 6 Creeping Phlox (Mixed Colors) 1.00
- 18 Creeping Phlox 2.89
- 3 Peonies (Pink, White and Red) 2.85
- 3 Giant Allium, huge silvery purple heads 1.98

TOTAL AMOUNT THIS ORDER \$ _____

- Tulip Order (Send COLORADO BLUE SPRUCE BONUS)
- Orders mailed by Nov. 10 Receive Bonus of Send C.O.D. plus postage 6 Imported Holland Allium Moly Bulbs.
- Remittance enclosed. Add 75c and we not only send order postage paid but also include extra bonus of 6 Flaming Allium.

NAME _____
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FREE OF EXTRA COST

In addition to all the other bonuses listed, if your order totals \$4.00 or more you will also receive bonuses as described below free of extra charge. Be sure to enclose coupon with order.

- ORDER TOTALS \$4.00 or more. Send 6 DUTCH MUSCARI BULBS (6-7 cm.) that bloom in rich blue.
- ORDER TOTALS \$7.00. In addition to 6 DUTCH MUSCARI, also send 6 Imported Holland GLORY-OF-THE-SNOW BULBS (4-5 cm.).
- ORDERS TOTALING \$10.00 or more get MUSCARI, GLORY-OF-THE-SNOW Plus Imported Holland Garden of 25 OKALIS (Deppel) BULBS with lovely floral container. Grow indoors or out to 3-6" heights. Our 3 cm. bulbs sell regularly 25 for \$1.98 . . . your super bonus with \$10.00 orders.

EXTRA BONUS WITH CASH ORDERS

6 Imp. Holland FLAMING ALLIUM, 3-4 cm., (Allium Ostroskianum). Graceful heads of red flowers. Given if you send a remittance with order enclosing 75c so we can send package postpaid this fall.

MICHIGAN BULB CO.

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