

MARCH, 1970

Tennessee

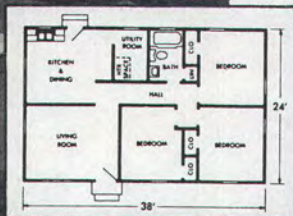
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ON THE COVER

Although cold weather continues in Tennessee on a part-time basis, that doesn't keep dedicated fishermen from their favorite fishing spots, in this instance near one of our state's many fine parks. For story on another state park, see page 10.

(Cover picture courtesy
State Department of Conservation)

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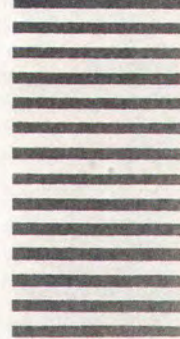
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Volunteer Views

by J. C. Hundley

Executive Manager, TECA

In an address before the National Rural Electric Cooperative Association's 28th Annual Meeting in Las Vegas, Nevada last month, Federal Power Commission Chairman John Nassikas reviewed some statistics which, if projected separately (as is sometimes done in some segments of the electric power industry) could be misleading. As Mr. Nassikas projected them — as a complete group — they gave a revealing picture of America's vitally important electric power industry. For example:

There are twice as many cooperatively owned and five times as many publicly owned electric power systems as there are privately (investor owned) systems, BUT...

These private power companies generate and sell more than three times as much electricity as the cooperatively owned and publicly owned systems put together. The same ratio holds for the installed capacities of the private power systems over the co-op and publicly owned systems.

It wasn't long ago that much ado was made about co-ops going into the power generation business. True, there is some electricity generated by co-ops — a whopping 1.1% of all the power generated in the United States! They buy approximately 29-times as much as they generate—that's correct—from the nation's private power companies.

The simple truth is rapidly becoming a critical truth: our nation needs *all* the electricity that can be generated and distributed by *all* segments of the electric power industry — private, co-op and public.

* * * * *

Every NRECA Annual Meeting is a time for bringing REA statistics up to date and the 1970 occasion was no exception. Here are a few highlights:

- Rural electrification is now almost

98.5% complete but demands for new rural services continue as more people migrate from city to beyond city limits. Rural distribution systems added 190,000 new consumers last year. Ten years from now, it is anticipated that new connections will total some 250,000 per year.

• There will be 26-million more Americans by 1980. Many of these will be born to families served by electric co-ops or to families moving onto co-op lines.

• Total power input of REA-financed systems approached 70-billion kilowatt hours in 1969. It is expected to reach 100-billion by 1975.

• Commercial and industrial loads, nation-wide, are doubling on co-op lines every five years. Residential loads are doubling every eight years. The combined average is doubling every seven years.

Any way you look at it, the next decade in rural electrification is certain to be the most challenging in the 35 year history of cooperative rural electrification.

* * * * *

The 1970 Annual Meeting certainly ended on a sweet — and very pretty — note for Tennesseans as their representative in the 20th annual beauty contest was crowned a crowd-pleasing winner.

Janet Porter, whose beauty, charm and personality carried her through to highly competitive victories in the Gibson County and Tennessee contests prior to her National title in Las Vegas, is more than deserving of the many nice compliments and tributes which already have been paid her.

Rural electrification in America, as well as Tennessee, is privileged to have this fine young lady as its daughter and queen.

We are happy to offer her our congratulations here in print, as we already have done in person on several occasions.

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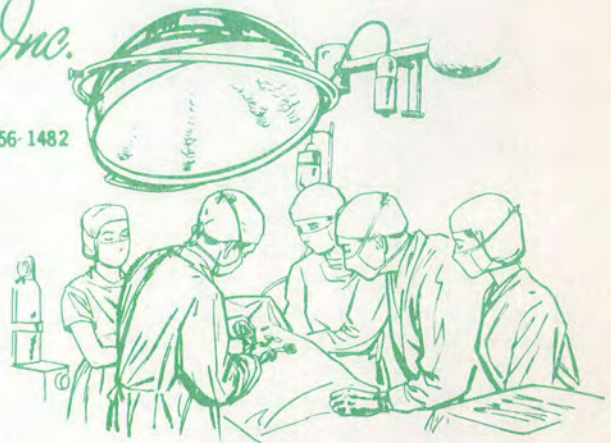
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DAVID HAMIL
Administrator of REA

"Rural electric systems will need something like \$2.5-billion in new capital over the next five fiscal years. The day of reckoning is here. It is obvious we must intensify our efforts to locate and develop additional sources of financing (above Congressional loan levels of approximately \$345-million each year) if we are to meet our obligations to rural America in the years ahead."



Janet Porter, newly crowned as "Miss Rural Electrification USA" is understandably all smiles as she is seated on her throne between 1st Alternate, Miss Missouri, (Marcia Mossbarger) and 2nd Alternate, Miss Illinois (Gilberta Ann McNeff). Janet, who lives in the small community of Coxville in West Tennessee, won a \$2,500 scholarship, trophy, and prizes.

Tennesseans Help NRECA Open Doorway To New Decade



ROBERT PARTRIDGE
General Manager, NRECA

"The public needs to know that two-percent loans help provide service to out-of-the-way places of which there are numerous dramatic examples. But these are only a part of the story. We still have an average of but 3.7 consumers per mile of line, while the power companies serve about 34 for each mile. We still have an income of only \$571 for each mile, while the power companies have \$8,458."



EMMANUEL PELAEZ, Statesman
Republic of the Philippines

"Electricity which you are helping to bring to my country and many others is tearing down language and other barriers and helping establish a common ground of understanding and international friendship."



JOHN SPARKMAN
U.S. Senator, Alabama

"Housing is one of the gravest problems facing the nation today. As serious and as deplorable as the housing situation is in our large cities, it is even worse in rural America. More than 50% of the nation's sub-standard housing—over 3-million units—is to be found in rural areas."

By John Stanford

The largest of what long has been termed "the largest annual meeting of rural people in the world" took place in Las Vegas, Nevada last month when considerably in excess of 10,000 directors, managers, key employees, members and friends of our nation's almost 1,000 rural electric co-ops gathered for the 28th Annual Meeting of the National Rural Electric Cooperative Association.

More than 300 of that number represented Tennessee which, with some 350,000 electric co-op members, boasts the second largest membership of the 46 states in the nation served by REA-financed electric cooperatives.

Theme of the 28th Annual Meeting was "1970: Doorway To A Decade" whose initial session was opened in part by a message from President Richard Nixon which contained the following:

"The 28th annual meeting of the National Rural Electric Cooperative Association is a welcome opportunity for me to greet the thousands of men and women from every section of the country who, through rural electrification, help maintain and strengthen our national life.

"Rural electric systems have more than demonstrated their ability to turn developing needs into lasting opportunities for service. And their continuing success is basic to our national growth and achievement.

"Because I value your important role in rural improvement . . . I ask your active participation in this effort to stimulate rural community progress throughout America.

"I also commend your efforts to develop additional financing for needed expansion throughout the rural electrification program. This will assist the Administration in bringing the Federal Budget in balance, and it will prove again that Government-sponsored loan programs can move away from total Treasury support when given the encouragement and opportunity to do so.

"May your deliberations be successful, and may the nation continue to benefit from your valuable work."

Deliberations of the 28th Annual Meeting were, indeed, successful as attentive delegates faithfully attended the four General Sessions and numerous panel sessions to hear such speakers as U.S. Senators Howard Cannon of Nevada, John Sparkman of Alabama and Quentin Burdick of North Dakota, REA Administrator David Hamil, NRECA General Manager Robert Partridge and a host of other government, business and rural electrification officials and leaders.

Two events other than the strictly business meetings gave the 300-plus Tennesseans occasions for fellowship, pride and joy.

On Tuesday morning of the meeting, most of the delegates from the Volunteer State got together for the Tennessee Breakfast at which brief talks were made by REA Administrator David Hamil, TVA Power Manager James Watson and Paul Tidwell, manager of Meriwether Lewis Electric Co-op and former president of NRECA. Recognized youth guests were State Essay Winner Carmen Burton of Cumberland Electric Membership Corporation, who received an expenses-paid trip to the annual meeting, and "Miss Tennessee Rural Electrification," Janet Porter of Route 2, Humboldt.

On Wednesday evening, the second event of special interest to Tennesseans took place when Janet Porter, our "Miss Tennessee Rural Electrification," was chosen from thirteen state winners from across the nation as "Miss Rural Electrification" of the entire United States, the second time in eleven years of competition that a Tennessee girl has been so recognized.

For her victory Janet, who was featured on the cover and with a

story in the February issue of The Tennessee Magazine, received a \$2,500 college scholarship from the contest co-sponsors, NRECA and the General Electric Company, an engraved trophy, chest sash, cultured pearl beads, and a clock radio for her winning competition, these in addition to her expenses-paid trip to Las Vegas which was sponsored by the Tennessee Electric Cooperative Association. Earlier, Janet had received cash and prizes as winner of the "Miss Gibson County EMC" and the "Miss Tennessee Rural Electrification" contests.

Tennessee's new director on the NRECA Board of Directors is John Dolinger, manager of Cumberland Electric Membership Corporation, Clarksville. He has succeeded Paul Tidwell, manager of Meriwether Lewis Electric Co-op, Centerville, who served with distinction on the National Board for twenty years, including two terms as president of NRECA.

Tennesseans serving on NRECA standing committees include W. W. McMaster, manager of Middle Tennessee EMC, Murfreesboro (Insurance and Employee Welfare); John Norris, Attorney for Southwest Tennessee EMC, Brownsville (Lawyers'); H. G. Gangwer, manager of Fort Loudoun Electric Co-op, Madisonville (Management Advisory); and Mrs. John Dolinger, Cumberland Electric Membership Corporation, Clarksville (Women's Activities). Mrs. J. C. Hundley, wife of the executive manager of the Tennessee Electric Cooperative Association, was recognized for her service during the past year as Tennessee's Committeewoman on the National Task Force Committee.

NRECA's 29th Annual Meeting will be held in Dallas, Texas in 1971.



It's always fair weather when Tennesseans get together, as more than 225 did for the Tennessee Breakfast. After exchanging greetings with friends from other areas of the state, this group from Fort Loudoun Electric Co-op shared one of the many large tables.



Desk located at the end of U-shaped kitchen. Good cabinet space above and small space below. The desk is 24 inches wide and was planned in a remodeled kitchen. This desk is convenient to both kitchen and eating area.



Kitchen-planning center is dropped to 30 inches to allow the homemaker to sit in a chair. Regular counter top is 36" in height. Proper lighting is received from under-cabinet fixtures and general kitchen lighting. Notice the drawer space, telephone and intercom locations.

That Extra Mile Of Planning

Ideas Worth Considering

By Libba Morris, Home Economist
Chickasaw Electric Co-operative

SEWING ROOMS:

"A place for everything and everything in its place." From patterns to zippers to thread to scraps of material—there just has to be a place for these things.

If sewing's an important part of your life, locate your center on the main floor (near kitchen, front door, play yard, phone). Make sure it's designed to serve your special needs and working habits and packed with individual touches and clever ideas.

It should be located with access to the ironing area. It should include storage room for supplies and construction tools, lighting directly over the work area, an electrical outlet, work space to each side of the machine, and a large surface 30" high for cutting. A hanging space for clothes is also desirable.

Quick mending jobs can be done conveniently near the laundry. Also, the clutter that is inevitable with prolonged sewing projects can be kept away from other areas of the house.

Storage for sewing supplies and equipment need not be elaborate to be convenient. The back of a door equipped with hooks, shelves, and bins provides convenient inexpensive storage for sewing supplies.

Allow at least 3 ft. of space for a chair in front of a sewing machine. Either a portable folding surface or a large table top 36 x 72 inches is needed for cutting.

The Sewing Center has many convenient locations. Place it under a kitchen counter, especially if the machine cabinet is outdated. Use undercounter space in your base cabinets for storage of fabrics, clothes to be mended and small equipment.

In a closet, a built-in portable or cabinet machine with everything so handy makes a sewing center ideal for an accomplished seamstress. Merely close the door and everything can be left as is. A mirror placed on the door is handy for fittings.

To "sew a fine seam," more light is needed than that received from the tiny bulb supplied in the machine. Good lighting will enable you to sew

accurately, delay fatigue and it will be just as easy to sew on black fabric at night time as it is in day time.

Various installations available for proper lighting such as the wall lamp, pole lamp, and ceiling fixture will get the job done. The main thing to consider on any of these installations is correct bulb size and placement. Every fixture should be shielded; never use the bare bulb. For occasional sewing, you need twice as much light as for casual reading.

Sewing machines on the market today are terrific, both console and portable. With the touch of your finger tips you can change plain stitching to fancy stitching. Think how Grandma would have loved the elite, electric sewing machine—saves on leg wear, too! Some models feature the embroidery, monogram and applique stitching.

Along with this electric sewing business, let's don't forget to mention the electric scissors available at a suitable price to fit anyone's budget. They cut through any fabric quickly and accurately without wearisome work. Simply plug scissors into any AC outlet, hold in the palm of either hand, and electricity does the work. One model features a built-in guide light to eliminate shadows on work and a table guard to prevent marring of surfaces. This same model has replaceable long-life high carbon steel blades.

Plan A Desk Area For Your Convenience

Need a "sit-down" place in your kitchen? Every homemaker needs her own little nook—to keep records, plan the daily meals, answer the phone and on and on. Since she spends the majority of her time in the kitchen, this should be the location of her planning center. A space only 3 feet wide and 2 feet deep can answer the need. Now it's up to you, the individual, what you want in this center. A desk, chair, and a phone might be all and then again you might add a bulletin board, clock, shelves for cookbooks and a radio. If shelves are included, be sure to install undercabinet lighting for good task lighting. A general ceiling light would also be desirable.



This desk area belongs to the "Bookkeeper at home." She also is very active in church work, Federated Woman's Club, public library work, family bookkeeping, and on and on. The eating area is opposite this planning area, actually being a part of the family room. Typewriter can be removed to allow the homemaker to use this space for serving purposes.

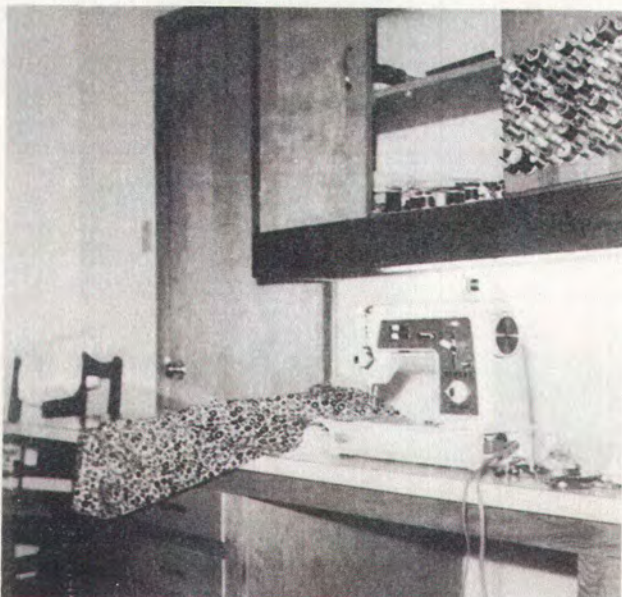
This homemaker has a minute to look over a new recipe and no getting up to "answer the phone," which rings quite often with 2 teen-age sons and a school-teacher daughter. An under-cabinet lighting unit is in the planning for this area.



This sewing area is part of the utility room with the ironing board set up nearby for PRESSING AS YOU SEW. To the left of the machine is good closet space for supplies. Large fluorescent fixture is placed near the sewing area and laundry area.



In a closet, a built-in portable or cabinet machine with everything so handy makes a sewing center ideal for an accomplished seamstress. Merely close the door, and everything can be left as is. Pegboard on the inside door holds cards of buttons. Vegetable bins are just the right size for storing patterns. A mirror on the door for fittings is in the planning. Fluorescent strip lighting lights the entire length of cabinet top and there is general lighting in the ceiling.



Some homemakers are fortunate enough to have a room just for sewing. This belongs to a homemaker who does a lot of sewing. Opposite the machine is a closet just packed with materials, patterns and the like. Nails with the heads cut off hold the spools on the inside of the cabinet door. Deep drawer space holds patterns, trims, buttons. With the machine enclosed, there is 8 feet of space for cutting patterns. This homemaker is saving her wooden spools. Have you noticed how so many things are plastic? So, who knows . . . some day the old common wooden spool may be a thing of the past.



One of the most popular features of the Cedars of Lebanon State Park is its camping facilities. There are more than 200 campsites like this one, many with water and electric outlets.

CEDARS OF LEBANON: AN ILL WIND HELPED CREATE A FINE STATE PARK

By Sam Gamble
Middle Tennessee Electric Membership Corp.



This new group lodge will accommodate up to 80 persons and is available to groups the year-round.

Cedars Of Lebanon State Park actually began about 150 years ago when a great hurricane (or tornado) laid waste an entire civil district of Wilson county about eight miles south of Lebanon. According to legend the hurricane left neither man, animal, nor tree living in its path, except for one man, his wife, and their child who hid from the storm in a cave. This great storm gave a name to that section of Wilson county which is still used today. This area is known today as the "Hurricane Community."

This 10,000 acre tract of land is in part the same land that was granted Tennessee pioneers for gallant service in the Revolutionary War. When these Pioneers first settled here the area was a vast forest of superior, Eastern red cedar, inhabited by an abundance of game.

After the great hurricane, the area was left a

gladey, non-productive, marginal farmland, sparsely settled by by the more hardy pioneer, struggling for a subsistence.

Thus was born in 1934 an idea for a State Forest, later to become a State Park. State Forester B. W. Watkins, accompanied by Judge E. G. Walker, and with much help from County Agent Louis Sawyer, made the original survey which was eventually to encompass approximately 10,000 acres in the Hurricane and Moccassin districts. The name of the park was to be, and is, Cedars of Lebanon State Park, named after the Biblical lands of Lebanon.

The original plans called for reforestation, nursery plantings, fire control, game preserve with food and cover, telephone lines, numerous buildings, swimming pool, and corps of Rangers to oversee the project and to carry out the plans for a first



This swimming pool which has been serving for many years will be replaced this year with a new olympic-sized pool to accommodate many more people and will offer more varied swimming facilities.

class state park. And so came into being a Tennessee State Park, operated with little change up through the mid 1960's.

Following a major building program in the last few years, the park now has several new buildings including a new information center and new group lodge. It now has facilities to accommodate up to 150 campers, and there are 50 trailer sites with electrical outlets, water, and a dumping station. In conjunction with this, there is a camp store which did in excess of \$17,000 in business last year. There are 170 picnic tables, 7 shelters, and 30 grills located throughout the park.

The group lodge is now open year-round for special groups with two separate sleeping facilities that will accommodate 40 persons each.

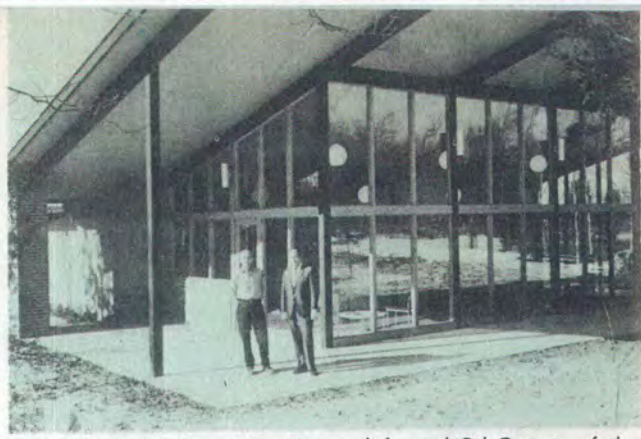
Many facilities are available for recreation including horseback riding with many trails open for trail rides, fully equipped playground, horseshoe pits, croquet courts, lighted softball field, archery range, badminton court, volleyball courts, shuffleboard, and the swimming pool.

One of the featured events at the park is the annual Tennessee Fox Hunters Association's three-day event in April each year. There are usually around 150 hounds entered in this event. Again in October each year the National Fox Hunters Association has its annual meet.

A square dance is sponsored in the recreation lodge each Saturday night, and this has become



A lighted ballfield is available for use by park visitors, and during the ball season the field is in use continually.



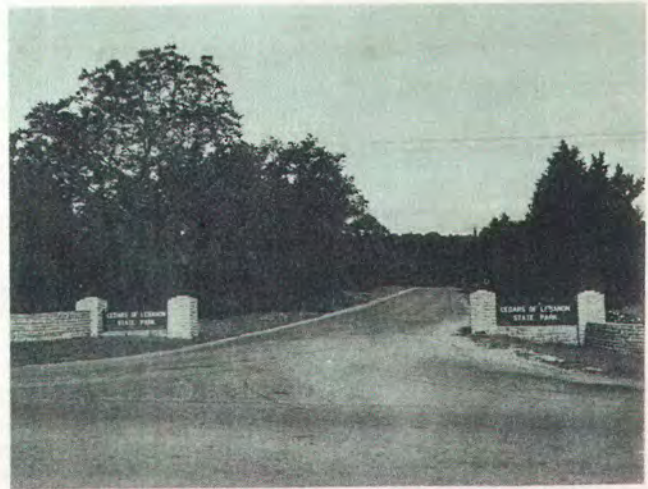
Park Superintendent J. L. Myers, left, and Gil Carter, of the architect firm of Morton-Carter & Associates, who designed many of the new buildings at the park, are shown outside the new information center at Cedars of Lebanon Park.

a very popular local event.

Up until 1968 the park had its own electrical distribution system, taking electric service from the Middle Tennessee Electric Membership Corporation at one central point. At that time it was decided that the electric system was outdated, and that it would be more feasible for Middle Tennessee Electric to take over the distribution of the electric power. Elaborate plans were made for the new electric system, with underground distribution heavily stressed. This would help tremendously to retain a historical setting in the park. With the electric lines underground the trees could be left intact. So wherever possible the primary lines as well as the service wires were placed underground. The complete changeover was effected in 1968.

Cedars of Lebanon State Park is now one of the few such facilities in the world that is all-electric with nearly all the electric system underground.

In 1968 approximately 229,000 people visited the park, and in 1969 this number had grown to 360,000. With this increase projected to continue each year, the park officials are planning further expansion including a new olympic size swimming pool, more camping area, and more recreational facilities. According to J. L. Myers, park superintendent, this park is just beginning to realize its potential. With its location in the heart of the state of Tennessee it should continue to be a major cog in the state park system.



The entrance of Cedars of Lebanon State Park is on highway 231, approximately 6 miles south of Lebanon.

CANEY FORK CO-OP NEWS

EDITION



The Reverend Fred G. Hubach

Retired Minister From New York

Reverend and Mrs. Fred G. Hubach are natives of New Jersey and they were both children of Methodist ministers. It just seemed natural that he would become a minister, and she was content with being a minister's wife. After 42 years of service in the Ministry of the United Methodist Church, it came time for him to retire and they had to choose where they wanted to make their permanent home. The states of Maine and Tennessee were considered, but they decided the winters in

Maine were too cold to stay all year, so Tennessee with its four seasons finally won; however, they do plan to spend their summers in Maine enjoying the excellent fishing. They also intend to do quite a lot of fishing in Tennessee because their home overlooks beautiful Center Hill Lake at Holiday Haven in DeKalb County.

The Reverend Mr. Hubach is a member of the New York Conference of the United Methodist Church. For the past sixteen years he was a minister in Long Island and Staten Island in New York City. It was not so surprising to learn that he served very few congregations during all of his years of ministry, for the recognition he received is an indication that he served his congregations well. In 1966 the Protestant Council of the City of New York awarded him the "Distinguished Service Award," in gratitude for his outstanding contribution to the cause of Protestantism in the city of New York. One must bear in mind that there are some 1700 Protestant churches in New York City.

He is definitely a realist, knowing there is much you have to accept because there is so much that cannot be changed, but each must do his part to make the world a better place to live.

He believes much of the world's discontent is caused by people unwilling to live together peaceably. We have not learned to accept others as individuals. It is his view that today's youth are searching for ways to identify themselves as individuals just as past generations did. Their morals must be taught in their young years while their minds are receptive for if you have trained up a child in the way he should go, when he is old, he will not depart from it. He feels it is important to show youth confidence, giving them some responsibilities, letting them make decisions while they have guidance, giving plenty of encouragement and so very, very important, love.

Because of the drastic change of environment from one of the largest cities in the world to a rural area, you may wonder how they will spend their time. This is their first year in Tennessee, and so far it has been very restful. Besides fishing, he has developed skilled and interesting hobbies and can pass away many pleasant hours. They are only a few minutes drive away from Nashville where their daughter lives. Each year he will be attending the annual meeting of the New York Conference, and on the way North, they will stop in Virginia for a visit with their son, who is a medical doctor. They will then visit relatives in New Jersey and then on to Maine for a summer stay and later will return to Tennessee.

Yes, a retired minister that can still pass along some basically sound philosophy, a realist and to put it in a Southern way, they are just "homefolks."



F. C. Boyd, Jr.

TRUSTEE FROM WARREN COUNTY

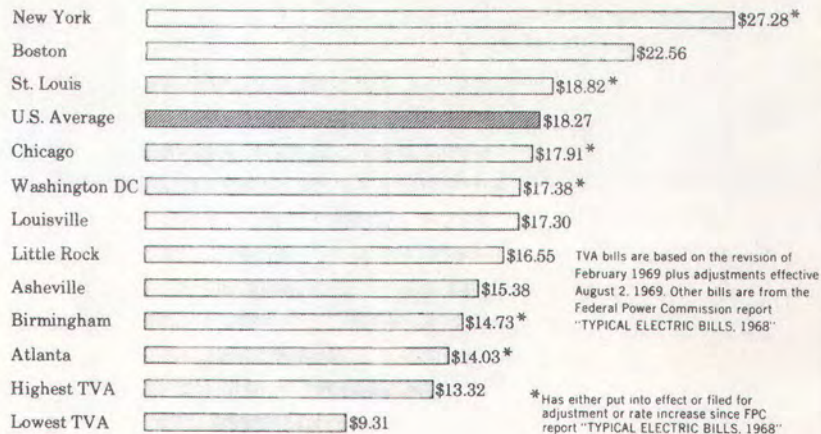
Mr. F. C. Boyd, Jr., was elected on January 2, 1970, by the Board of Trustees as a replacement to fill the unexpired term of the late Oscar B. Womack as a trustee from Warren County. His term became effective immediately.

Mr. Boyd is a native of Warren County and received his education in the public schools of the county. Mr. and Mrs. Boyd (the former Thelma Snow) reside near the Morrison Community. They have three children: two daughters, Carole and Susan (Mrs. G. B. Greene), and one son, Campbell Boyd.

He presently serves as vice-president of the Boyd Nursery Company, Inc., having made nursery his life's profession. He is also president of the Citizens State Bank at Morrison, Director of McMinnville Stone Company, Inc., and president of West Warren Utility District.

He is a charter member and past president of the McMinnville Lions Club, Director of the McMinnville Country Club, a member of the Westwood Church of Christ, a Mason and Shriner.

RESIDENTIAL ELECTRIC BILLS IN TEN CITIES COMPARED WITH BILLS OF LOCAL SYSTEMS DISTRIBUTING TVA POWER 1000 Kilowatt Hours



FOR CHART—RESIDENTIAL ELECTRIC BILLS

This chart enables us to compare the cost of electricity here with other parts of the nation and with the national average. The same 1000 kilowatt hours in the Caney Fork Electric Cooperative area costs \$11.98.



Jewell Dodd

FIRST EMPLOYEE OF COOPERATIVE RETIRES

Jewel Dodd is the first employee to retire from Caney Fork Electric Cooperative. Due to health reasons and recommendation made by his doctor, he chose to retire earlier than the usual retirement age.

He worked for the construction contractor helping to build the original lines. In 1945 he worked a short time for the Cooperative when he saw much of the original system that he helped to build completely broken down by a major ice break, and many areas were without electric service for as much as three weeks. Jewell began regular work on February 2, 1947.

After World War II and the materials became available, the Cooperative began an extensive construction program. Jewell was foreman of the right-of-way crews, clearing the way so more rural homes could have electricity. During his later years of employment, he worked most of the time with the construction crews.

Jewell was always willing to work regardless of the weather conditions and after regular hours; if he thought the weather would cause an interruption of electric service, he didn't wait to be called but would go to the office to see if he was needed.

At Christmas of the past year, Jewell's fellow employees presented him a gold pocket watch, and the Board of Trustees, management and employees extended him their best regards for a long and happy life.

CEMC NEWS

edition



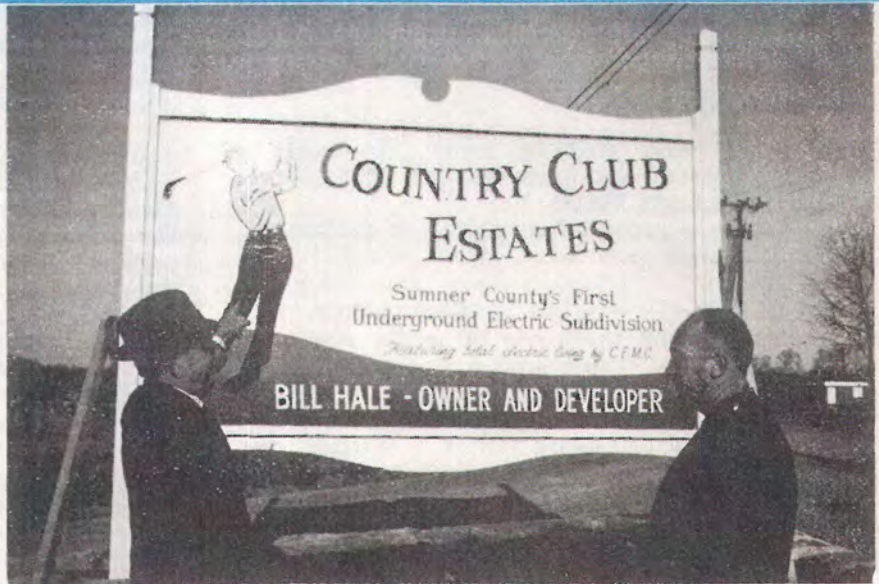
MEMBER OWNED
MEMBER CONTROLLED

Coop Comments

Many people are still talking about the high bills and voltage situations they experienced during January and February. Even though this may sound repetitious to some, another explanation is justified.

During this time many people complained of their equipment not working to its highest efficiency, particularly TVs. Some problems did occur during this time on the CEMC lines due to TVA having generator problems at two steam plants. Since the weather was extremely cold during this period and everyone was using all of their heaters and appliances with little diversity, the demand was so great, CEMC did experience some low voltage. This meant the voltage supplied from TVA to CEMC was low and, of course, from CEMC to the customer was low. This problem was solved in a few days and was back to normal. Normal voltage for CEMC residents will vary between 118-125.

Many factors contribute to higher bills in the winter time, such as children being at home from school during the holidays and snowy seasons, excessive temperatures for comfort in heating, high winds, insulation, but primarily, cold weather conditions. These conditions can be measured by a degree day which is the average of the day's high and low temperature subtracted from 65°. A normal heating season of October through April, consists of 3700 degree days with 888 being the normal highest for one billing period. This winter we experienced billing periods which had 1175 degree days. This means not only will electric heating bills be higher, but other type heating systems will also. Since electric bills are paid twenty days after they are received, these weather conditions are hard to recall at time of payment.



CEMC's and Sumner County's first underground electric subdivision is under development in sight of the country club near Gallatin. In the above photo, Harry Weakley, left, CEMC district manager, and Billy Hale, subdivision developer, are admiring the newly installed sign at the entrance of the subdivision. The subdivision has no visible electric lines since both the primary and secondary conductors are installed underground and fed from a pad mount transformer for the thirty-four lots.

TOBACCO REPORT

According to the United States Department of Agriculture, on Friday, January 3, 1970, the 1970 burley allotments will be cut ten percent on all allotments over one-half acre. Allotments under five tenths acre will not be affected. This is the smallest cut that can be made at one time.

The reason for the cut, according to USDA, was that in 1969, national production was up while consumption and exports were down.

The desirable amount of burley to be under storage is 2.8 years and this has increased to 3.5 years.

It was also announced that dark air cured tobacco will be cut ten percent. Dark fired tobacco will not be cut. For further information, contact your local USDA office.

BUILDING SLUMP

Many building contractors have reported their building business down considerably due to the high cost of money. This has not only affected building business but other businesses as well. Many steps have been made by the President to bring more money into the building industry. The need for more houses is increasing from year to year, especially in the lower income brackets. The Federal Housing Authority as well as the Farmer's Home Administration, have several type loans that may be helpful to lower income families desiring and needing different housing. Your local representatives can give you further details on their policies.



Bobby Gibbs has been employed by the Engineering Department at CEMC as Engineering Draftsman. Bobby comes to us from Civil Service employment at Ft. Campbell and the Area Technical School where he obtained credit for courses in Engineer Drawing and Surveying.

A native of Montgomery County, Bobby is married and has two children. He will be assigned to the headquarters office in Clarksville.

Five Rivers

A newly formed group called the Five Rivers Resource Conservation and Development Association has recently published a guide booklet promoting the counties of Stewart, Montgomery, Houston, Dickson and Humphreys. The name comes from the Tennessee, Red, Cumberland, Duck and Buffalo Rivers. The people of the area have organized their efforts to develop the opportunities for growth and progress which the Five Rivers area offers.

A plan of action is currently being developed for the orderly conservation, improvement, and wise use of the area's resources. The booklet is being advertised to attract out of state people to the area. David Hinton, president of the association and CEMC trustee, stated that the publications will be distributed by local advertisers, soil conservation districts, local chambers of commerce, cities and counties in the area and the Tennessee Department of Conservation.

FILM AVAILABLE

CEMC has recently purchased a new film entitled "Current Wise." The film, concerning safety, illustrates what to do in case of accidents that may occur on the highways and in the home. The film is available through your district manager.

GIRL TALK

With

Virginia V. Lowe

CEMC Home Service Advisor

Do you have a blender that you are keeping stored on a shelf or seldom use? This is one of the most versatile portable appliances on the market today. Lucky you if you do have a blender!

Miss Sharon Turner and Miss Brenda Spann (right photo), home economics teachers at Clarksville High School, discuss various ways they use the blender in their foods work.



Blenders have been on the market for quite a few years, but their full potential is just beginning to bud. Truly this appliance can do almost anything from making soup to chopping nuts.

This Christmas my twin brother and sister-in-law got a blender and when asked how they liked it, my brother said, "We love it." They were amazed at the many uses it offers. For example, it's great for reconstituting frozen juices or dry milk solids. If you want to save money, try reconstituting a quart of nonfat dry milk in the blender and mix it with a quart of whole milk. Let it stay in the refrigerator overnight before serving. Of course, reconstituted dry milk is fine for using in recipes that require milk, too.

If there are babies in the house, fruits and vegetables can be pureed in the blender and money can be saved from buying baby food. From personal experience, a blender can literally be a "life saver" in preparing food for persons on a liquid or semi-liquid diet. Besides these special uses, the blender can be used for everyday food preparations, as chopping onions, nuts, and making slaw and bread crumbs. Leave the blender in a convenient location and you can let your imagination be your guide for its many uses.

Remember the blender performs its task in seconds, not minutes. It is better to stop and check the consistency after a few seconds than to overblend and have a mushy or too finely ground product.

Always put liquid portions of recipes into the container first unless instructions in the recipes specify otherwise.

In chopping vegetables, cut the vegetables into pieces about one inch in size and cover the vegetables with cold water. Don't try to overload the blender.

When you switch on the blender always place your hand on the cover to avoid the possibility of a splashover and to stabilize the machine for the first impact of the blades against the food to be blended. Always be sure the container is firmly seated on the base before operating.

If you do have a blender, I hope you will push that button or flip that switch more often and that it truly will help you blend better so you can live better electrically. Make it real!

CHEESE MUFFINS

2 cups sifted flour
4 teaspoons baking powder
1 tablespoon sugar
½ teaspoon salt

1 egg
1 cup milk
3 tablespoons soft butter
1½ cups cubed sharp cheddar cheese

Heat oven to 350°. Grease muffin tins well. Sift flour, baking powder, sugar and salt into a mixing bowl. Put the egg, milk and butter into blender container, cover and process at mix until smooth. Pour into dry ingredients and mix only until flour is moistened. Fill prepared tins 2/3 full. Bake 30 to 35 minutes. Yield: 12 muffins.

CHICKASAW ELECTRIC COOPERATIVE



Gold Medallion Home Built on Country Club Lane

John and Jean Randles and their family recently moved into their new all-electric Gold Medallion home. The Gold Medallion symbolizes a hallmark of quality and a Gold Medallion Home's a good buy! The Randles selected the Central-Forced air system for heating and cooling the home. The kitchen is very gay with avocado appliances and colorful wallpaper and light fixtures to match. All-electric kitchens with flameless electric ranges, refrigerators and dishwashers are truly clean, comfortable and carefree to work in.

Lighting in the home was planned for beauty, safety and convenience. Wiring was planned to meet the State Code and also to meet the standard requirements for Certified Wiring.

The 3-bedroom home, located



The John Randles' Gold Medallion Home, on Country Club Lane.

on Country Club Lane, was built by Bobby Morris and Buff Electric contracted the wiring, heating, and cooling.

We welcome the Randles to our Gold Medallion Home Family.

Family Receives \$35 Bonus

Nestled among the trees in a beautiful setting is the home of Mr. and Mrs. Arthur Ray Glover. The home, located in the Feathers Chapel Community, is all-electric and surpasses the Certified Wiring Standard. With just a few minor additions this home would have met the Gold Medallion requirements.

The all-electric home is heated and cooled with a central forced air unit. The lighting is controlled by 3-way switches when the wall switches are more than 10 feet apart. The closets are lighted for convenience and there is ample lighting in the bathrooms for good grooming. All entrances are lighted for safety.

Chickasaw Electric Cooperative presented a bonus of \$35 and an Adequate Wiring Certificate to this young family.

Arthur Ray, employee of Grady Morris and Son Lumber Co., did



Adequately Wired Home of Mr. and Mrs. Arthur Ray Glover.

much of the work on his own home. It was contracted by the company and the electrical contract was handled by Robbins Electric.

RECIPE OF THE MONTH

ANGEL BISCUITS

Mrs. Asher Galloway

1 pkg. dry yeast
1/4 cup lukewarm water
2 cups flour
1 tsp. baking powder
2 tbsp. sugar
1/2 tsp. soda
1 tsp. salt
3 tbsp. shortening
1/2 cup buttermilk

Soften yeast in lukewarm water and set aside. Measure and sift dry ingredients. Cut shortening into mixture; add buttermilk and softened yeast. Stir well until blended. Store in refrigerator. About 1 hour before baking, roll dough 1/2 in. thick and cut into biscuits using a 2 in. cutter. Let rise 1 hour. Bake 450° for 10 minutes or until brown. Yields 24 biscuits.

it
pays to
LIGHT UP

Portable Electric Grill Demonstration

Miss Carmen Beaver, Home Economist with the Hamlin Products, Inc., Little Rock, Ark., will demonstrate the Portable Electric Grill here at the Auditorium, March 31st at 10 A.M. You don't want to miss it!



Piperton's Newest Gold Medallion Home belonging to Mr. and Mrs. J. W. Elam.

Piperton's Newest Gold Medallion Home

Another Gold Medallion home to be recognized 'belongs to Mr. and Mrs. J. W. Elam of the Piperton Community. Mr. Elam, a building contractor by trade, built his own home from start to finish. He did all the electrical work and did not leave anything unfinished. We are grateful especially to builders and electrical contractors who set the example and tell the story of Total Electric Living. The Elams, in a sense, had completed their home, but made changes, willingly, to accomplish the Gold Medallion Standard. The 3-bedroom home is spacious and very comfortable. One of the nicest rooms is a utility-sewing room adjacent to the kitchen and carport areas. The fluorescent lighting in this room is excellent for the tasks to be performed here. The Elams are neighbors to two other Gold Medallion Home Owners in a subdivision located East of Collierville at Piperton. Wouldn't it be something to live on a "Gold Medallion Home Street"?

Both the Randles and the Elams received \$70, a Gold Medallion symbol and an Adequate Wiring Certificate.

There are 27 Gold Medallion Homes on the system at present, with several under construction. Remember, you can remodel or meet those additional requirements to achieve the standard and receive either the \$35 bonus for Certified Wiring or \$70 for Gold Medallion. With the new interest rates on loans, we believe there will be more remodeling in the future. Please call on your electric cooperative to help you with your planning. The service is free only for the asking.

Fayette County's Young Farmer Of The Year

Chickasaw Electric Cooperative would like to pay tribute to Fayette County's Young Farmer of the Year, James Montague and his family of the Feathers Chapel Community. The Fayette County Farm Bureau selected James as the recipient of this title because of his past records and growth to be the farmer he is today.

It all started being part of a farm family, taking part in 4-H and FFA activities in school and really loving the life of a farmer. When James graduated from FCHS in 1959, he owned one cow and worked 5 acres of cotton. After a siege of bad luck, that of a broken leg, he began to rent and work the land, after two years. He bought his present farm in the fall of 1966 and made his first crop in 1967. At this time he had 13 cows, 2 sows, and at present this number has built up to 30 sows and 30 cows. He owns 108 acres of farm land and works another 100 acres. Cotton and corn are the main crops; corn is being raised chiefly for feeding. James sells feeder calves but he is employed year-round with the hog business. Hogs were sold every month last year, giving the young farmer a monthly income. He's been in the hog business for



On the left—James Montague, Young Farmer of the Year and Everett Carrell, Agricultural Extension Agent.

2 years now, going on the third year. Last year, he sold 391 hogs.

The newest thing on the Montague farm is the concrete feeding floor for the hogs. The unit, built from a University of Tennessee plan, will hold 100 hogs. Mr. Carrell was a big help to James in furnishing the plan and offering advice. Nearby was a grain bin holding 4,000 pounds of feed. In the future, much of the feeding will be automated.

James is married to the former Janis Boling, daughter of Mr. and Mrs. Robert Boling of Oakland. They have two daughters: Jame who is 2 and Joyce who is 1. Janis has a project all her own. She has 75 layers and averages selling 30 dozen eggs a week to regular customers.

We wish for this young farm family many years of happiness and success and they are already well on their way to SUCCESS. . .

20 Years Service Recognition

Recently, employees and trustees of Chickasaw Electric Cooperative were recognized for twenty years or more service with the organization. Each man received a 14 karat, 25 jewel, self-winding, calendar watch with his name and years in service engraved on the back.

This is truly an honor and with much pride we want to recognize the following:

C. T. McNamee, Manager; 28 years.

J. G. Walker, Sr., Trustee, 23 years.

R. H. Pulliam, Trustee; 23 years.

E. B. Summers, Trustee; 29 years.

W. J. Murrell, Trustee; 29 years.

J. L. Flannagan, Employee; 26 years.

Roy Malone, Employee; 26 years.

Thomas Clark, Employee; 22 years.

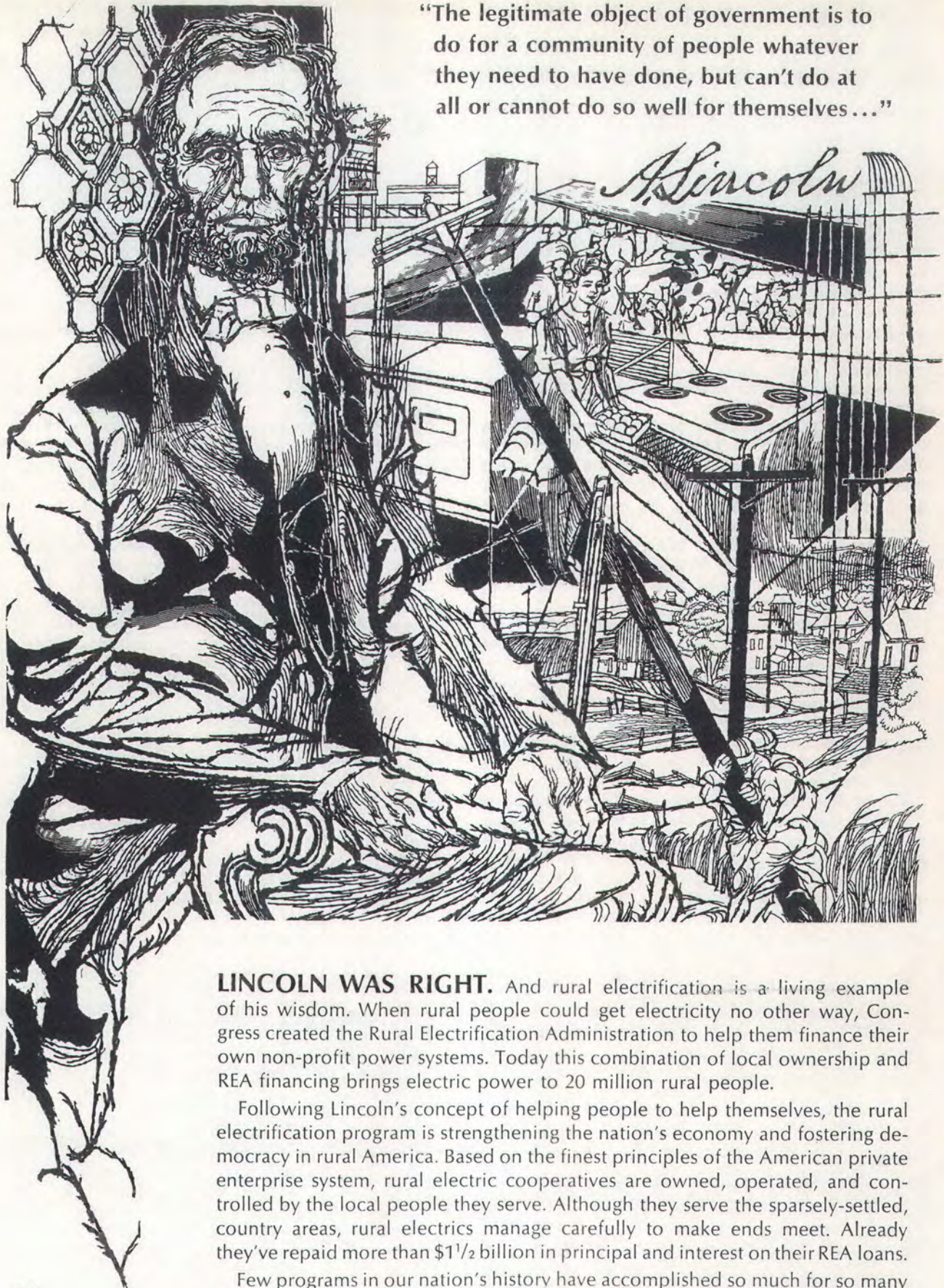


20 year recognition of Trustees, Management and Employees: (left to right) J. G. Walker. R. H. Pulliam, E. B. Summers, C. T. McNamee. Standing: (left to right) J. L. Flannagan, Robert Green, Jr., Roy Malone and Thomas Clark.

Robert Green, Jr., Employee; 21 years.

There are few words to express the gratitude we feel today in 1970 for these whose leadership and time have made Chickasaw Electric Cooperative what it is today.

"The legitimate object of government is to do for a community of people whatever they need to have done, but can't do at all or cannot do so well for themselves..."



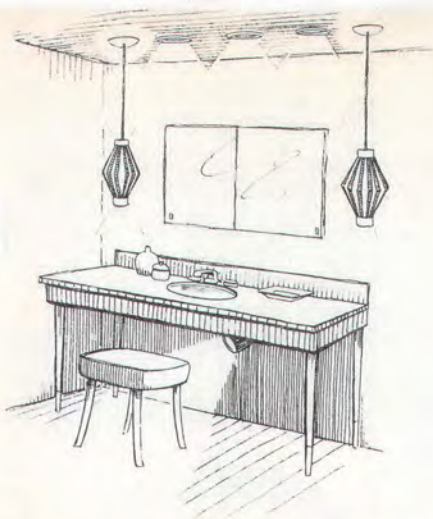
LINCOLN WAS RIGHT. And rural electrification is a living example of his wisdom. When rural people could get electricity no other way, Congress created the Rural Electrification Administration to help them finance their own non-profit power systems. Today this combination of local ownership and REA financing brings electric power to 20 million rural people.

Following Lincoln's concept of helping people to help themselves, the rural electrification program is strengthening the nation's economy and fostering democracy in rural America. Based on the finest principles of the American private enterprise system, rural electric cooperatives are owned, operated, and controlled by the local people they serve. Although they serve the sparsely-settled, country areas, rural electrics manage carefully to make ends meet. Already they've repaid more than \$1½ billion in principal and interest on their REA loans.

Few programs in our nation's history have accomplished so much for so many Americans. Rural electrification does, indeed, prove the truth of Lincoln's idea.



AMERICA'S RURAL ELECTRIC SYSTEMS *Important to America's strength*



Incandescent ceiling fixtures can be surface-mounted, semi-recessed or recessed. A light-color counter top is essential to soften and reflect the light upward. Side lights should be near the mirror to be effective.

Is your bathroom bright with light? From the morning rush hour through bedtime baths, this room is the family grooming center. Recent years have brought long overdue glamour to the bathroom and with it "right" lighting for the beehive of activities today's bathroom must serve.

The bathroom is used for much more than baths, showers, face-washing and toothbrushing. It's a place for hand laundering, hair brushing, shampooing and styling, touch-ups and tinting, shaving, putting make-up on and taking it off, manicuring and pedicuring and "doctoring" cuts and bruises. Lighting is important for all of these activities. And it's easy to combine adequate lighting with a decorative flair.

Older bathrooms may be relying on one ceiling fixture with a small light over a mirrored medicine cabinet. Such a bathroom definitely needs to be updated light-wise. The results are better grooming and increased safety. Adequate lighting cuts down the risk of misreading medicine labels:

After deciding how much light is needed for the size of the room, determine what kind of fixtures you prefer. You can keep in mind the general decorating scheme of your home because bathroom light fixtures are designed to meet colonial, traditional or modern decor.

The mirror is the focal point of grooming, so it's the hub of lighting for the room. There should be light sources on both sides of a mirror or medicine cabinet and on the ceiling above it to obtain sha-

Lighting Makes the Difference--

Brightness In the Bathroom

dowless lighting on the face, head and neck.

Side-lighting for the mirror or medicine cabinet may be achieved in several ways. Wall lamps come in many styles to coordinate with the decor used. Recessed fixtures can be used. Mirrors can be framed with a row of shielded fluorescent lamps in a soffit or a fixture running the width of the mirror. Complexion lights are becoming more popular. There is a series of lights that surround the mirror—ideal for make-up.

With a vanity, counter top or wide shelf space, free standing light sources may prove helpful. There are stand-up mirrors with lighted frames. One electric hair curler set includes a multi-bulb mirror as part of the lid.

Ceiling light may be recessed or surface mounted with either a single unit in the center or a series of smaller bullet-type lights spaced for greatest effectiveness. Recessed fixtures deliver a cone of light, the amount depending on the size of the units and bulb used. Surface mounted fixtures will usually provide some side-lighting which diffuses in a bounce effect against the ceiling.

For soft, shadowless light throughout the room, have fluorescent tubes installed behind a ceiling of translucent panels. The panels lift out for washing.

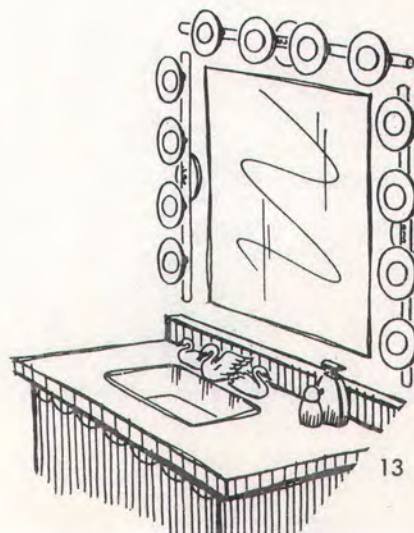
There are exhaust fans which remove odors and excess moisture from the air, that fit into the ceiling and are equipped with lights. These combinations are also available with a heating unit. Another

ceiling installation provides a sun-lamp.

While you're up-lifting the illumination in the bathroom, don't forget to include electrical outlets to accommodate the many modern grooming aids from electric shavers and hair dryers to manicure sets. Many older bathrooms have no plug-in facilities. It costs very little more to add them when wiring for new lighting fixtures.

Then with proper light fixtures and outlets installed, you can rejuvenate almost any bathroom with coordinated and washable paint, wallpaper, adhesive-backed tiles, fabric and carpeting. If needed, add a few new accessories such as towel bars, hampers or storage units. But do start refurbishing with good lighting.

Theatrical lighting is at home in your own bathroom nowadays. A grooming area with incandescent strip fixtures around three sides of the mirror gives well-distributed light on the sides of the face and on top of the head.



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.

Bobby Bradford
Route 2
Decherd, Tennessee 37324
Duck River Electric Memb. Corp.



Gene Pickett, Age 13
Henderson, Tenn. 38340
Pickwick Electric Cooperative



David Arms, Age 13
Route 1, Brahman Road
Kingston, Tennessee 37763
Volunteer Electric Cooperative

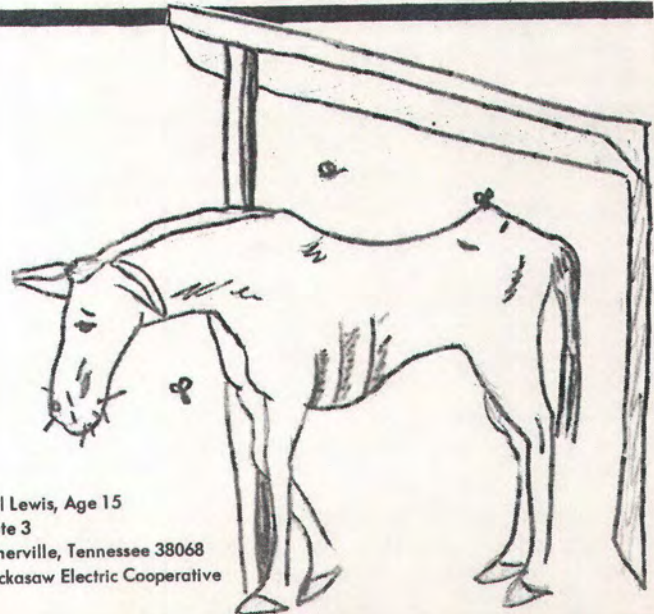
Barry Wayne Brooks, Age 11
132 Wessington Place
Hendersonville, Tenn. 37075
Cumberland Electric Memb. Corp.



Leonard Neil Griffith
P. O. Box 235
Whitwell, Tenn. 37397
Sequachee Valley Electric Cooperative



Gail Lewis, Age 15
Route 3
Somerville, Tennessee 38068
Chickasaw Electric Cooperative



Timely Topics

SOME INCOME TAX CHANGES FOR FARMERS

Changes in the Tax Reform Act of 1969 have received much attention in the past few weeks, and Tennessee farmers should be aware of these changes.

"However," says F. M. DeFriese, University of Tennessee Extension associate agricultural economist, "the number of changes which will directly affect the 1969 farm return are very few."

The repeal of the Investment Credit provisions as of April 18, 1969 is one important area that will be felt in the 1969 tax return, he continues. Purchases of equipment and the like which were eligible for the seven percent investment credit must have been made or contracted for on or before April 18, 1969 for the seven percent to apply.

The tax revision prohibits the tax-free exchange of livestock of different sexes, DeFriese adds. The Internal Revenue Code has never permitted such tax-free exchanges. However, the tax-free exchange of steers for heifers and selling heifers as capital assets has been advised in some instances. This is specifically prohibited now.

"Taxpayers reporting on the cash basis may now elect to include crop insurance proceeds received as a result of destruction or damage to crops in the year following the damage," the economist says.

Farmers now may file their tax return March 1 instead of February 15 as has been the rule in the past. Internal Revenue Service defines a farmer as anyone who gets two-thirds of his income from farming.

The revisions relating to "hobby-farming," farming losses, and holding periods of livestock for capital gains treatment are among the changes which will apply to the 1970 crop year.

CONSIDER COST SHARE FOR PASTURE RENOVATION

Pasture renovation, an important practice for a dairy or beef farmer, establishes legumes in grass pastures and usually involves land preparation, seeding, liming and fertilizing.

Joseph N. Matthews, University of Tennessee Extension assistant agronomist, says that cost sharing for this practice is available in many counties through the ASCS office. This is the ACP:B-1 practice. Liming and fertilizing by soil test results are required for this practice.

"The soil sampling procedure varies with the degree of renovation," he states. "If the pasture has been topdressed since it was plowed and cultivation will be shallow, the sample should be taken to a depth of not more than three inches. This also applies if the lime and fertilizer are to be used as a topdressing."

Research shows that lime, phosphate and potash move slowly downward in the soil. If sampling is done below the three inch level, the effects of lime and fertilizer used as a topdressing will not be reflected in the soil test results.

Samples should be sent to the laboratory as early as possible for the B-1 practice. The address is the Soil Testing Laboratory, 5201 Marchant Drive, Nashville, Tennessee 37211.

COTTAGE CHEESE — CONSUMERS' CHOICE

Last year cottage cheese showed the largest percentage of increase in production of any other manufactured dairy product, reports Herbert Holt, University of Tennessee Extension Assistant dairy husbandman. Nearly 15 million pounds of cottage cheese were produced in 11 Tennessee plants from July 1, 1968 to June 30, 1969.

"A study conducted by the U-T Agricultural Extension Service points out that a great improvement has been made in cottage cheese quality over the past two years," Holt continues. "Some reasons for this improvement are higher quality milk is being produced on dairy farms, processing techniques in dairy plants have been upgraded, and consumers have demanded higher quality."

A summary of the two-year study showed that samples scoring 38 on flavor increased from 63 to 71 percent. Samples scoring from 38 to 40 points were considered to have only minor criticisms. All the samples taken from market channels were considered to be marketable. All the market samples collected in December, 1967 were criticized on body and texture, but only 55 percent of the samples collected in December, 1969 were criticized on this point.

Holt lists these other reasons for the increased production of cottage cheese, making it the number two choice of all cheeses found in the dairy case:

- ★ Cottage cheese is an excellent source of calcium. A recent USDA report pointed out that a high percentage of American diets are deficient in calcium, and the consumer is becoming aware of the fact that his calcium deficiency can be overcome by including quantities of cottage cheese in his diet.

- ★ Cottage Cheese is low in calories; therefore, it is included in diets for reducing weight.

- ★ An ever increasing number of recipes for hot breads, cookies, casseroles, salads, and sandwich fillings include cottage cheese.

The consumer assumes the responsibility for maintaining the quality of the cottage cheese after purchasing it from the dairy case. Storage temperature should be kept at 40° or below with little change in temperature until the product is used.



C & M Ranch owners; Edwin Collake, left, holding a chukar partridge; his mother, Mildred, holding a hen pheasant and his dad, Curtis, holding a cock ringneck pheasant.



Some of the "Growing off" outdoor runs where quail are penned during the 6th through 12th week of growth. The flight conditioning building is in the background.

C & M QUAIL RANCH

By Newell W. Thompson
 Supervisor of Member Relations Department
 Fort Loudoun Electric Cooperative

Bob White! Bob White! Bob White!

Do you enjoy hearing a 'Bob White or Rooster Quail' whistle to his mate? If so, visit the C & M Quail Ranch in the Gudger Community 3 miles south of Madisonville and listen to a thousand or more whistling.

Curtis and Mildred Collake and their 13-year-old son, Edwin, own and operate a quail ranch on which they raised more than 12,000 quail in 1969.

These quail are incubated, hatched, brooded and raised by electric space conditioning, to regulate temperature, humidity and light under controlled environmental conditions.

Curtis selects 350 choice roosters and hens and pairs them in wire floored laying cages. This selection is made in March, the hens start laying in April and continue through July. The eggs roll from under the hens so they do not get broody. The hens lay about 75 eggs each in a season. The eggs are more than 90% fertile. The breeding flock is fed Game Bird Laying Mash.

One of 3 electric incubators of 2500 egg capacity is set each week. It takes a quail egg 23 days to hatch. Day old quail are placed in a 44' x 70' brooder house, (built in 1969). They are raised under electric infra-red brooders, with space conditioning controlled by thermostats on heavy duty 240 volt electric ventilating fans. Lights are controlled by a time clock. Each brood is partitioned off from younger and older birds. The day-old to 6-weeks-old quail are fed Game Bird Starter Mash.

At the end of 6 weeks, starting about June 15, the quail are transferred to open air—hardware wire mesh covered outdoor runs, 500 quail to a run, for six weeks of 'growing off.' They have

shelter from rain and very hot sunshine. They are fed Flight and Muscle Mash during this 6 weeks of growth. At the 12th week the quail are moved to the 70' x 120' flight conditioning building, where they stay for at least 4 more weeks to reach maturity. This building resembles a very large chicken (broiler) house. The building is divided into three sections lengthwise of equal size. The egg laying cages are in one side. Then two pens of mature birds are housed in the remainder of the building with a capacity of 6,000 birds in each pen. The quail are fed and watered at one end of the pen, so as not to excite them. Automatic tube feeders are kept filled with a mixture of Flight and Muscle Mash and scratch grains.

Automatic waterers are used in all three growth areas, with electric heat tapes on the water pipe in the brooder and flight conditioning buildings to keep the water from freezing.

A ton of feed will feed about 3500 mature quail a month. Eggs are sold for hatching purposes for 10¢ each. Most orders are filled within 10 days.

Mature quail of either sex are sold to Field Trials in Chattanooga, Cleveland, Athens, Loudoun, Knoxville, and Rogersville. Shooting preserves at Dalton, Georgia, and Seymour, Tenn., also buy quail of either sex from October through March. Sportsmen's clubs and individual quail breeders buy quail in pairs, March through June.

Mature quail are dressed and quick frozen as "A Meal Fit For A King" as ordered the year around. There are never enough quail to fill all the orders. Paired quail sell for \$2.00 September through December. From January through May they sell for \$2.50. Dressed quail sell for \$1.15

each September through December, then as they eat more and get larger they sell for \$1.25.

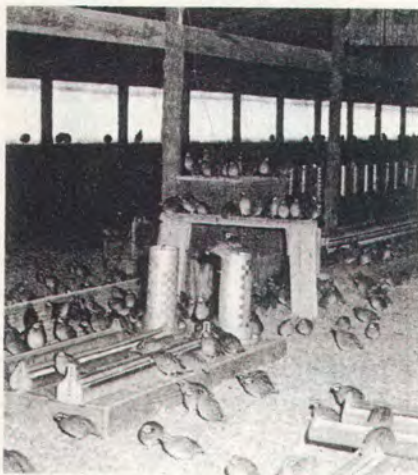
There is very little difference in the size of a mature rooster or a hen. They dress 5 oz. or more in weight. C & M raise about 200 chukar partridge for sale as paired breeders each year at \$5.00 per pair. Ring necked pheasants are also raised as a hobby and sold for breeders at \$5.00 per pair in the fall.

Curtis works for the State Highway Dept. as a construction engineer. Mildred works as a waitress at Abe's Town & Country Restaurant on 411 Highway S. at Madisonville and will take orders for dressed or breeder quail or eggs there. Curtis works about 1 hour per day feeding the birds October through March. Then April through September, Curtis, Mildred, or Edwin works about 4 hours per day with the 3 ages of quail.

In his spare time Curtis trains 'pointers' and in season, hunts wild quail, weather and work permitting. Mildred keeps house and Edwin is a student at Madisonville Junior High School.

C & M has built a wide reputation for their "Meal Fit For A King" dressed frozen quail by selling them during the spring Dogwood Festival and Millers-Farmers Harvest Festival at Knoxville.

C & M Quail Ranch is one of the most interesting commercial enterprises on the Fort Loudoun Electric Cooperative system. Curtis said, "Without electricity to cut labor and production requirements, we could not operate. Electricity takes less maintenance, practically no daily attention, thermostats do all the tending. Electric brooding is safe — flameless, no fire hazard, no fumes, moisture free — so litter



Mature quail in the flight conditioning building, feeders and water fountains in the foreground.

stays dry, with uniform heat distribution, and long lasting years of dependable service. Yes electricity works here unattended while we manage the operation."

The ranch started as a hobby with Curtis and Mildred. They purchased 5 pair of quail in 1961 because they liked to hear the 'Bob White' whistle of quail in the spring.

They now plan to raise 25,000 quail in 1970. Their telephone number is 615-442-3467. Their address is Rt. 2, Madisonville, Tennessee, 37354.

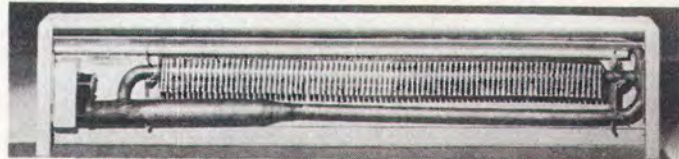


Sidney J. Heiman

The Chairman of the Board of INTERTHERM, Inc. answers some commonly asked questions about its famous HOT WATER HEAT WITHOUT PLUMBING

- Q. How does Intertherm heat provide such gentle, even temperatures?**
A. Heat is balanced at outside walls and windows where it's needed most. Floors are blanketed with wonderful warmth while cooler air over surface of floors is continuously being drawn into the heater where it is warmed to the precise temperature needed to create uniform comfort.
- Q. Why is Intertherm Heat so Economical?**
A. No more heat is used than is necessary. On a cold day, when heat is needed, water in baseboards might rise to over 200°F. On a mild day water would be heated to only 70°F. Since water holds heat, heaters continue to give off heat even when thermostats shut them off. Result? a tremendous saving on electricity.
- Q. Why is Intertherm Heat considered a healthy heat?**
A. It completely eliminates gas from home environments. Eliminates carbon, crystal "clinker-like" particles or dryness in the air that irritate nose, throat and lung membranes. Eliminates cold floors and drafts that cause sniffles and colds.
- Q. Is Intertherm heat safer?**
A. Definitely. Intertherm units can be installed anywhere without danger of scorching. Tissue or even soft cotton gauze can be stuffed into the heater and stay there for hours without the slightest browning or fire hazard. Can't be unsafe by human error.
- Q. Why is Intertherm heat cleaner?**
A. Intertherm heaters don't burn dust particles into black carbon cinders that soil furnishings, drapes, carpets, walls. You save hundreds of dollars on cleaning and decorating.

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Electric heating element is encased in a copper tube containing a hermetically sealed water/anti-freeze solution. Nothing to add or remove ever. When solution is heated it automatically circulates through the tube.

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PUZZLE CORNER

Our February Puzzle Corner brought a fine response of some 1,500 answers. Once again, since the puzzle was one which would prove itself, most of the answers were correct. Here it is:

A man with exactly \$500 to spend and 12 presents to buy from only four price groups would buy one present at \$98.50, two at \$78.50, one present at \$48.50 and eight presents at \$24.50.

This month's winners, chosen at random from among the correct answers, are as follows:

First prize of \$10 goes to George Pinner of Covington, Tennessee, a member of Southwest Tennessee Electric Membership Corporation, Brownsville.

Second and third prizes of \$5 each, and representing the other two grand divisions

of the state, go to Mrs. Zena Riddle of Hilham, Tennessee, a member of Upper Cumberland Electric Membership Corporation, Carthage, and to Mrs. Ross Watson of Madisonville, Tennessee, a member of Fort Loudoun Electric Co-op, which has headquarters in the same city.

And now for our March puzzle, which is an old one but which requires some reasoning if you don't already know the answer:

Mr. P. Uzzle has a fox, a goose and a sack of corn which he must transfer by boat from his home to an island across a lake. He can carry only one item at a time and must arrive without damage to any of the three. How does he accomplish this task? (Remember that the fox will eat the goose if left alone together and that the goose will eat the corn if they are left alone together.) Mr. Uzzle can make as many trips as necessary.

Send answers, along with your name, address and name of your electric co-op to:

Puzzle Corner
The Tennessee Magazine
P.O. Box 7232
Nashville, Tenn. 37210

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Name _____

Address _____

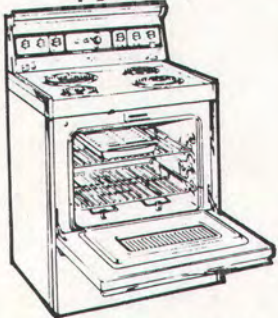
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25c enclosed

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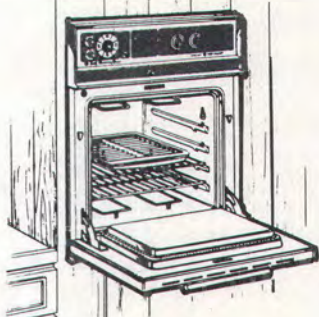
30" Self-Clean Oven with Rotisserie



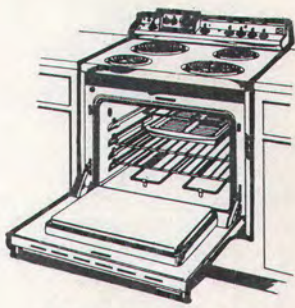
30" Slide-In offers built-in look, self-clean convenience



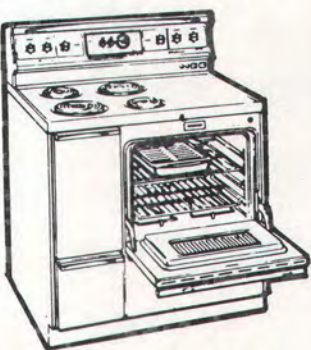
Self-Clean Oven cleans companion oven-panels too




24" Built-In, Eye-level control panel



30" Drop-In, cleans itself electrically



40" Extra Value Range, oven door window



Hallmark Hi/Low Electric Range — 2 Big Capacity Ovens in only 30" space

See your nearby Hotpoint Dealer!

Check with your local co-operative to see if there are buying incentives on electric ranges this month!

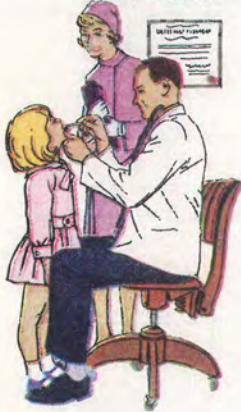
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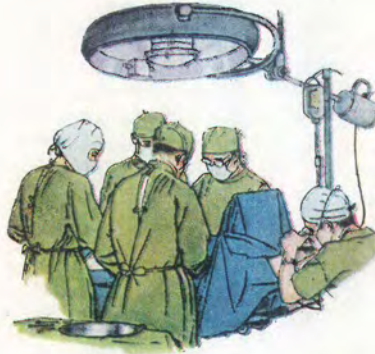
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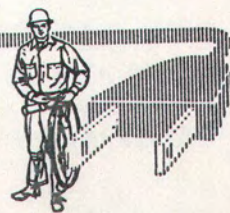
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New Way Found To Stop Hair Loss, Grow More Hair

HOUSTON, Texas—If you don't suffer from male pattern baldness, you can now stop your hair loss . . . and grow more hair.

For years "they said it couldn't be done." But now a firm of laboratory consultants has developed a treatment for both men and women, that is not only stopping hair loss . . . but is really growing hair!

They don't even ask you to take their word for it. If they believe that the treatment will help you, they invite you to try it for 32 days, at their risk, and see for yourself!

Naturally, they would not offer this no-risk trial unless the treatment worked. However, it is impossible to help everyone.

The great majority of cases of excessive hair fall and baldness are the beginning and more fully developed stages of male pattern baldness and cannot be helped.

But if you are not already slick bald, how can you be sure what is actually causing your hair loss? Even if baldness may seem to "run in your family," this is certainly no proof of the cause of YOUR hair loss.

Many conditions can cause hair loss. No matter which one is causing your hair loss, if you wait until you are slick bald and your hair roots are dead, you are beyond help. So, if you still have any weak hair on top of your head, and would like to stop your hair loss and grow more hair . . . now is the time to do something about it before it's too late.

Loesch Laboratory Consultants, Inc., will supply you with treatment for 32 days, at their risk, if they believe the treatment will help you. Just send them the information listed below. All inquiries are answered confidentially, by mail and without obligation.

NO OBLIGATION COUPON

To: Loesch Laboratory Consultants, Inc.
Box 66001, 3311 West Main St.
Houston, Texas 77006

I am submitting the following information with the understanding that it will be kept strictly confidential and that I am under no obligation whatsoever. I now have or have had the following conditions:

Do you have dandruff? _____ It is dry? _____ or oily? _____

Does your forehead become oily or greasy? _____

Does your scalp itch? _____ When? _____

How long has your hair been thinning? _____

Do you still have any weak hair on top of your head? _____

How long is it? _____ Is it dry? _____ Is it oily? _____

Attach any other information you feel may be helpful.

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REDS	TWO TONES	CLIMBERS	YELLOWS	PINKS	WHITES
Red Radiance Better Times Crimson Glory Poinsettia Mirandy	President Hoover Betty Uphrad Edith W. Perkins Contrast Condesa de Sastago	Cl. Blaze Red Cl. Red Taisman Cl. Golden Charm Cl. Pink Radiance Cl. White Am. Beauty	Eclipse Golden Charm Peace Luxemburg Golden Dawn	Pink Radiance The Double Columbia Picture K. T. Marshall	K. A. Victoria Caledonia K. Louise Rex Anderson White Am. Beauty

FLOWERING SHRUBS—1 or 2 Years Old

Crepe Myrtle—Red, Purple, Pink, White, 1 to 2 ft.\$49 ea.
Spirea Van Houtte—White, 1-2 ft.19 ea.
Spirea Reeniana, 1 to 2 ft.19 ea.
Weigela—Red or Yellow, 1 to 2 ft.29 ea.
Weigela—Var. or Pink, 1-2 ft.18 ea.
Althea—Red or Purple, 1 to 2 ft.18 ea.
Althea—Pink or White, 1 to 2 ft.18 ea.
Forsythia—Yellow, 1 to 2 ft.18 ea.
Pink Spirea, 1 to 2 ft.19 ea.
Pink Flowering Almond, 1 to 2 ft.59 ea.
Tamaris—Pink, 1 to 2 ft.29 ea.
Bush Honeysuckle—Red, Pink, White, 1 to 2 ft.29 ea.
Red Flowering Quince, 1 to 2 ft.29 ea.
White Flowering Quince, 1 to 2 ft.29 ea.
Persian Lilac—Purple, 1 to 2 ft.39 ea.
Old Fashion Lilac—1 to 2 ft.49 ea.
Bridal Wreath Spirea, 1 to 2 ft.49 ea.
Hyalanthe P.G., 1 to 2 ft.29 ea.
Oak Leaf Hydrangea, 1 to 2 ft.49 ea.
Deutzia—White, 1 to 2 ft.15 ea.
Deutzia—Pink, 1 to 2 ft.19 ea.
Mockingbird—White, 1 to 2 ft.19 ea.
Sweet Shrub, 1 to 2 ft.19 ea.
Rose of Sharon, 1 to 2 ft.19 ea.
Red Ozier Dogwood, 1 to 2 ft.19 ea.
Pussy Willow, 1 to 2 ft.19 ea.
Pussy Willow, 4 to 6 ft.69 ea.
Russian Olive, 1 to 2 ft.29 ea.
Russian Olive, 2 to 3 ft.69 ea.
Red Barberry, 1 to 2 ft.49 ea.
Jap Snowball, 1 to 2 ft.49 ea.
Red Snowberry, 1 to 2 ft.19 ea.
White Snowberry, 1 to 2 ft.29 ea.
Spirea, Anthony Waterer—Red, 1 to 2 ft.39 ea.
French Lilac—Red, White, Purple, 1 to 2 ft.98 ea.
Scotch Broom, 1 to 2 ft.29 ea.
Hypericum, 1 ft.19 ea.
Spice Bush, 1 to 2 ft.19 ea.
Butterfly Bush—Purple, 1 to 2 ft.49 ea.
Butterfly Bush—Pink, 1 to 2 ft.49 ea.
Vitex—Purple, 1/2 to 1 ft.39 ea.
Green Barberry, 1 to 2 ft.29 ea.
Azalea—White, Purple, Red or Pink, 1/2 to 1 ft.59 ea.
Isoe Acacia, 1 to 2 ft.39 ea.
Red Chokeberry, 1 to 2 ft.19 ea.
Black Chokeberry, 1 to 2 ft.19 ea.
Hydrangea Arborvitae—1 to 2 ft.15 ea.
Spirea Thunbergii, 1 to 2 ft.19 ea.
Winter Honeysuckle, 1 to 2 ft.19 ea.
Arrowwood Viburnum, 1/2 to 1 ft.39 ea.
Beauty Berry, 1 to 2 ft.29 ea.
Caryopteris—Blue Mist, 2 years—98 ea.
Witchhazel, 1 to 2 ft.29 ea.
American Elder, 1 to 2 ft.29 ea.
Opossum Haw, 1 to 2 ft.69 ea.
False Indigo—Purple, 1 to 2 ft.19 ea.

FLOWERING TREES—1 or 2 Years Old	
Magnolia Grandiflora, 1/2 to 1 ft.\$49 ea.	
Magnolia Grandiflora, 2 to 3 ft.198 ea.	
Magnolia Niagarensis, 1 to 2 ft.129 ea.	
Magnolia Rustica Rubra, 1 to 2 ft.129 ea.	
Mimosa—Pink, 2 to 3 ft.49 ea.	
Mimosa—Pink, 3 to 4 ft.49 ea.	
Mimosa—Pink, 4 to 6 ft.89 ea.	
American Red Bud, 2 to 3 ft.29 ea.	
American Red Bud, 4 to 6 ft.79 ea.	
White Flowering Dogwood, 2-3 ft.29 ea.	
White Flowering Dogwood, 4-6 ft.129 ea.	
Pink Flowering Dogwood, 1 ft.98 ea.	
Pink Flowering Dogwood, 2 ft.69 ea.	
Pink Flowering Dogwood, 3 to 5 ft.298 ea.	
Golden Raintree, 1 to 2 ft.79 ea.	
Golden Raintree, 3 to 4 ft.249 ea.	
Golden Chain Tree, 1 to 2 ft.79 ea.	
Smoke Tree, 1 to 2 ft.49 ea.	
Purple Leaf Plum, 1 to 2 ft.49 ea.	
Purple Leaf Plum, 2 1/2 to 4 ft.79 ea.	
Purple Leaf Plum, 4 to 6 ft.169 ea.	
Flowering Crab—Red or Pink, 1 to 2 ft.49 ea.	
1 to 2 ft.29 ea.	
2 1/2 to 4 ft.89 ea.	
Peppermint Peach, 2 1/2 to 4 ft.89 ea.	
Dbl. Pink Flowering Crab, 3-5 ft.398 ea.	
Flowering Crab—Red or Pink, 2 to 3 ft.98 ea.	
4 to 6 ft.198 ea.	
Chinese Red Bud, 1 to 2 ft.49 ea.	
Tree of Heaven, 3 to 5 ft.69 ea.	
Dwarf Red Buckeye, 1/2 to 1 ft.69 ea.	
Magnolia Soulangiana, 1 to 2 ft.129 ea.	
Weeping Peach—Red or Pink, 1 to 2 ft.69 ea.	
Weeping Peach, Red or Pink, 2-3 ft.129 ea.	
White Flowering Peach, 2 to 3 ft.89 ea.	
White Fringe, 2 to 3 ft.98 ea.	
Japanese Flowering Cherry, 3 to 5 ft.398 ea.	
European Mountain Ash, 3 to 4 ft.249 ea.	
Paul's Scarlet Hawthorn, 3 to 5 ft.69 ea.	
Red Blossoms, 3 to 5 ft.398 ea.	
Leaf Cucumber, 3 to 5 ft.169 ea.	

SHADE TREES—1 or 2 Years Old

Silver Maple, 3 to 4 ft.\$39 ea.
Silver Maple, 4 to 6 ft.79 ea.
Chinese Elm, 2 to 19 ea.; 3-4 ft.39 ea.
Chinese Elm, 4 to 6 ft.69 ea.
Green Weeping Willow, 2 to 3 ft.39 ea.
Green Weeping Willow, 4 to 6 ft.69 ea.
Catalpa Tree, 2 to 3 ft.29 ea.
Ginkgo Tree, 1 to 2 ft.79 ea.
Ginkgo Tree, 2 to 5 ft.298 ea.
Pin Oak or Red Oak, 2 ft.79 ea.
Pin Oak or Red Oak, 3 to 5 ft.129 ea.
Willow Oak or Scarlet Oak, 2 ft.79 ea.
Willow Oak or Scarlet Oak, 3-5 ft.129 ea.
Lombardy Poplar, 1 to 2 ft.06 ea.
Lombardy Poplar, 2 to 3 ft.\$10 ea.
Lombardy Poplar, 3 to 4 ft.15 ea.
Lombardy Poplar, 4 to 6 ft.29 ea.
Faassen Red Leaf Maple, 3-5 ft.398 ea.
Sycamore, 3 to 4 ft.49 ea.
Sycamore, 4 to 6 ft.89 ea.
Sugar Maple, 2 to 3 ft.29 ea.
Sugar Maple, 3 to 5 ft.59 ea.
Sweet Gum, 2 to 3 ft.49 ea.
Sweet Gum, 4 to 6 ft.79 ea.
White Birch, 2 to 3 ft.79 ea.
White Birch, 4 to 6 ft.198 ea.
Tulip Tree, 3 to 4 ft.49 ea.
Crimson King Maple (Pat. No. 735), 3 to 5 ft.398 ea.
Sunburst Locust (Pat. No. 1313), 3 to 5 ft.495 ea.
Cut Leaf Weeping Birch, 3 to 5 ft.398 ea.
Silver Variegated Maple, 3 to 5 ft.398 ea.
Schweidler Maple, 3 to 5 ft.398 ea.
Willow Wood, 2 to 3 ft.98 ea.
Cane Birch, 3 to 4 ft.398 ea.
White Ash, 3 to 4 ft.29 ea.
Green Ash, 3 to 4 ft.29 ea.
Persimmon, 1 to 2 ft.49 ea.
Dawn Redwood, 1 to 2 ft.198 ea.
Honey Locust, 3 to 4 ft.69 ea.
Morain Locust, 4 to 5 ft.398 ea.
Kentucky Coffee Tree, 1/2 to 1 ft.49 ea.
American Linden Tree, 2 ft.59 ea.
American Linden Tree, 3 to 5 ft.98 ea.
Skyline Locust (Pat. No. 1619), 3 to 4 ft.398 ea.
Sassafras, 2 to 3 ft.49 ea.
Scarlet Maple, 4 to 5 ft.69 ea.
Russian Mulberry, 2 to 3 ft.69 ea.
Sycamore Maple, 1/2 to 1 ft.49 ea.
Black Gum, 2 to 3 ft.79 ea.
Japanese Red Leaf Maple, 1 ft.198 ea.
Norway Maple, 1 to 2 ft.49 ea.
Golden Weeping Willow, 2 to 3 ft.29 ea.
Golden Weeping Willow, 4 to 6 ft.69 ea.
Amur Corktree, 1 to 2 ft.39 ea.
Black Locust, 2 to 3 ft.29 ea.
Bald Cypress, 1 to 2 ft.49 ea.
Little Leaf Cucumber, 2 to 3 ft.69 ea.

FRUIT TREES—1 or 2 Years Old

Belle of Georgia Peach, 1 to 2 ft.\$49 ea.
Belle of Georgia Peach, 2 to 3 ft.79 ea.
Belle of Georgia Peach, 3 to 5 ft.119 ea.
Elberta Peach, 1 to 2 ft.49 ea.
Elberta Peach, 2 to 3 ft.79 ea.
Elberta Peach, 3 to 5 ft.119 ea.
J. H. Hale Peach, 1 to 2 ft.49 ea.
J. H. Hale Peach, 2 to 3 ft.79 ea.
J. H. Hale Peach, 3 to 5 ft.119 ea.
Hale Haven Peach, 1 to 2 ft.49 ea.
Hale Haven Peach, 2 to 3 ft.79 ea.
Hale Haven Peach, 3 to 5 ft.119 ea.
Dixie Red Peach, 1 to 2 ft.49 ea.
Dixie Red Peach, 2 to 3 ft.79 ea.
Dixie Red Peach, 3 to 5 ft.119 ea.
Golden Jubilee Peach, 1 to 2 ft.49 ea.
Golden Jubilee Peach, 2 to 3 ft.79 ea.
Golden Jubilee Peach, 3 to 5 ft.119 ea.
Champion Peach, 1 to 2 ft.49 ea.
Champion Peach, 2 to 3 ft.79 ea.
Champion Peach, 3 to 5 ft.119 ea.
Maygold Peach, 1 to 2 ft.49 ea.
Maygold Peach, 2 to 3 ft.79 ea.
Maygold Peach, 3 to 5 ft.119 ea.
Blake Peach, 1 to 2 ft.49 ea.
Blake Peach, 2 to 3 ft.79 ea.
Blake Peach, 3 to 5 ft.119 ea.
Stayman Winesap Apple, 2 to 3 ft.69 ea.
Stayman Winesap Apple, 4 to 6 ft.129 ea.
Red Delicious Apple, 2 to 3 ft.69 ea.
Red Delicious Apple, 4 to 6 ft.129 ea.

NUT TREES—1 or 2 Years Old

Hazel Nut, 1 to 2 ft.\$79 ea.
Hazel Nut, 3 to 5 ft.198 ea.
Butternut, 1 to 2 ft.39 ea.
Butternut, 3 to 4 ft.98 ea.
Chinese Chestnut, 1 to 2 ft.69 ea.
Chinese Chestnut, 3 to 5 ft.149 ea.
Marty Pecan Seedlings, 1 to 2 ft.69 ea.
Stuart Pecan—Papershell, 2 ft.198 ea.
Stuart Pecan—Papershell, 3 1/2-5 ft.398 ea.
Mahan Pecan—Papershell, 2 ft.198 ea.
Mahan Pecan—Papershell, 3 1/2-5 ft.398 ea.
Black Walnut, 1 to 2 ft.29 ea.
Black Walnut, 3 to 5 ft.79 ea.
English Walnut, 2 to 3 ft.398 ea.
Shell Bark Hickory, 1 to 2 ft.69 ea.
American Beech—Collected, 3-4 ft.49 ea.
Japanese Walnut, 3 to 4 ft.98 ea.

EVERGREENS—1 or 2 Years Old

Glossy Abelia, 1/2 to 1 ft.\$29 ea.
American Holly, 1/2 to 1 ft.29 ea.
Rhododendron, 1/2 to 1 ft.49 ea.
Pinzer Juniper, 1/2 to 1 ft.29 ea.
Nandina, 1/2 to 1 ft.49 ea.
Loribard, 1/2 ft.39 ea.
Irish Juniper, 1/2 to 1 ft.59 ea.
Savin Juniper, 1/2 to 1 ft.59 ea.
Red Berry Pyracantha, 1/2 to 1 ft.49 ea.
Yellow Berry Pyracantha, 1/2 to 1 ft.49 ea.
Burford Holly, 1/2 to 1 ft.49 ea.
Dwarf Burford Holly, 1/2 to 1 ft.69 ea.
Wax Leaf Ligustrum, 1/2 to 1 ft.39 ea.
Colorado Blue Spruce, 1/2 to 1 ft.29 ea.
Mountain Laurel, 1/2 to 1 ft.19 ea.
Short Leaf Pine, 1 ft.19 ea.
Slash Pine, 1/2 to 1 ft.19 ea.
Red Cedar, 1/2 to 1 ft.19 ea.
Hetzl Holly, 1/2 to 1 ft.59 ea.
Japanese Holly, 1/2 to 1 ft.59 ea.
Foster Holly, 1/2 to 1 ft.49 ea.
Helleri Holly, 1/2 to 1 ft.59 ea.
East Palatka Holly, 1/2 to 1 ft.69 ea.
Andorra Juniper, 1/2 to 1 ft.59 ea.
Cedrus Deodara, 1/2 to 1 ft.59 ea.
Jap Yew, 1/2 to 1 ft.59 ea.
Baker Arborvitae, 1/2 to 1 ft.59 ea.
Berkley Arborvitae, 1/2 to 1 ft.59 ea.
Globe Arborvitae, 1/2 to 1 ft.59 ea.
Green Juniper, 1/2 to 1 ft.59 ea.
Gardenia—White, 1/2 to 1 ft.59 ea.
Camellia—Red, 1/2 to 1 ft.79 ea.
Norway Spruce—1/2 to 1 ft.29 ea.
Euonymus Radican, 1/2 to 1 ft.19 ea.
Euonymus Manhattan, 1/2 to 1 ft.19 ea.
Euonymus Pulchellus, 1/2 to 1 ft.39 ea.
Euonymus Dupont, 1/2 to 1 ft.39 ea.
White Pine, 1 to 2 ft.29 ea.
Austrian Pine, 1/2 to 1 ft.29 ea.
Mugho Pine, 3 to 5 inch—39 ea.
Scotch Pine, 3 to 5 inch—19 ea.
Western Yellow Pine, 3 to 5 inch—19 ea.
White Spruce, 1/2 to 1 ft.29 ea.
Serbian Spruce, 1/2 to 1 ft.29 ea.
Douglas Fir, 1/2 to 1 ft.39 ea.
Cleyera Japonica, 1/2 to 1 ft.49 ea.
Elaeagnus Frutilandis, 1/2 to 1 ft.49 ea.
Thorny Eleagnus, 1/2 to 1 ft.49 ea.
Hetzl Juniper, 1/2 to 1 ft.59 ea.
Sargent Juniper, 1/2 to 1 ft.69 ea.
Shore Juniper, 1/2 to 1 ft.49 ea.
Yupon Holly, 1/2 to 1 ft.59 ea.

DWARF FRUIT TREES—1 or 2 Years Old

Dwarf Elberta Peach, 2 to 3 ft.\$249 ea.
Dwarf Elberta Peach, 3 1/2 to 5 ft.398 ea.
Dwarf Red Haven Peach, 2 to 3 ft.249 ea.
Dwarf Red Haven Peach, 3 1/2-5 ft.398 ea.
Dwarf Belle of Georgia Peach, 2-3 to 249 ea.
Dwarf Belle of Ga. Peach, 3 1/2-5 ft.398 ea.
Dwarf Golden Jubilee Peach, 2-3 ft.249 ea.
Dwarf Golden Jubilee Peach, 3 1/2-5 ft.398 ea.
Dwarf Red Delicious Apple, 2-3 ft.249 ea.
Dwarf Red Delicious Apple, 3 1/2-5 ft.398 ea.
Dwarf Yellow Delicious Apple, 2-3 ft.249 ea.
Dwarf Yellow Del. Apple, 3 1/2-5 ft.398 ea.
Dwarf Winesap Apple, 2 to 3 ft.249 ea.
Dwarf Winesap Apple, 3 1/2 to 5 ft.398 ea.
Dwarf Early McIntosh Apple, 2-3 ft.249 ea.
Dwarf Early McIntosh Apple, 3 1/2-5 ft.398 ea.
Dwarf Jonathan Apple, 2 to 3 ft.249 ea.
Dwarf Jonathan Apple, 3 1/2-5 ft.398 ea.
Dwarf Lodi Apple, 2 to 3 ft.249 ea.
Dwarf Lodi Apple, 3 1/2 to 5 ft.398 ea.
Dwarf Cortland Apple, 2 to 3 ft.249 ea.
Dwarf Cortland Apple, 3 1/2 to 5 ft.398 ea.
Dwarf Northern Spy Apple, 2-3 ft.249 ea.
Dwarf Northern Spy Apple, 3 1/2-5 ft.398 ea.
Dwarf Yellow Transparent Apple, 2 to 3 ft.249 ea.
Dwarf Yellow Transparent Apple, 3 1/2 to 5 ft.398 ea.
Dwarf Montmorency Cherry, 2-3 ft.249 ea.
Dwarf North Star Cherry, 2-3 ft.249 ea.
Dwarf Bartlett Pear, 2 to 3 ft.249 ea.
Dwarf Kieffer Pear, 2 to 3 ft.249 ea.
Dwarf Burbank Plum, 2 to 3 ft.249 ea.

BERRY PLANTS, ETC.—1 or 2 Years Old

Black Raspberry, 1/2 to 1 ft.\$39 ea.
Red Everbearing Raspberry, 1/2-1 ft.\$39 ea.
Dewberry, 1/2 to 1 ft.29 ea.
Boysenberry, 1/2 to 1 ft.29 ea.
Blackberry, 1/2 to 1 ft.29 ea.
Gooseberry, 1/2 to 1 ft.98 ea.
Figs, 1 to 2 ft.98 ea.

BULBS, AND PERENNIALS—1 or 2 Years Old

3 Pampas Grass—White Plumes—\$1.00
12 Hibiscus, Mallow Marvel
in Mixed Colors 1.00
8 Hollyhocks, Mixed Colors, Roots 1.00
10 Cannas, Red, Pink, Yellow 1.00
20 Iris—Blue or Purple 1.00
20 Day Lilies, Roots, Orange Flowers 1.00
8 Creeping Phlox, Pink, Blue, White and Red 1.00
6 Fancy Leaf Caladium, Red, White 1.00
30 Gladioli, Pink, Red, White, Yellow, or Purple 1.00
8 Alyssum, Gold Dust 1.00
8 Anemone, Yellow 1.00
8 Carnation, Pink, or White 1.00
8 Coreopsis, Sunburst Dbl. 1.00

BERRIES, FRUITS AND HEDGE—1 or 2 Years Old

10 Rubusard, 1 year Roots\$1.00
10 Asparagus, 1 year Roots 1.00
25 Strawberry—Blakmore or Tenn. Beauty 1.00
25 Gem Everbearing Strawberry 1.50
100 South Privet, 1 to 2 ft.1.69
25 North Privet, 1 to 2 ft.1.98
25 California Privet, 1 to 2 ft.1.98
25 Multiflora Rose, 1 to 2 ft.1.98

NATIVE WILD FLOWERS—1 or 2 Years Old

Collected from the Mountains
5 Lady's Slipper, Pink\$1.00
6 Blood Root, White Flowers 1.00
6 Dutchman Breesches, White 1.00
4 Jack-in-the-Pulpit, Purple 1.00
3 Dogtooth Violet, Yellow 1.00
20 Hardy Garden Violet, Blue 1.00
3 Partridge Berry 1.00
3 Passionflower 1.00
6 Bird Foot Violet, Blue 1.00
6 Trilliums, Mixed Colors 1.00
6 Blue Bells 1.00
6 Maiden Hair Fern 1.00
8 Hayscent Fern 1.00
10 Christmas Fern 1.00
4 Cinnamon Fern 1.00
3 Royal Fern 1.00
6 White Violets 1.00
6 Hepaticas, Mixed Colors 1.00
3 Solomon Seal, White 1.00
3 Trailing Arbutus, Pink 1.00
4 Sweet Williams, Pink 1.00
4 Star Grass, White 1.00
6 Garden Seal, White 1.00
6 May Apple, White 1.00
6 Cardinal Flower 1.00

FLORIBUNDA ROSES—2 Year Field Grown

Floradora, Orange\$.59 ea.
Red Pinocchio, Red59 ea.
Goldlocks, Yellow59 ea.
Summer Snow, White59 ea.
Pinocchio, Pink59 ea.

PATENTED ROSES—2 Year Field Grown Number 1

Americana, Pat. No. 2058\$3.50 ea.
Big Red, Pat. No. 2693 3.50 ea.
Grand Slam, Pat. No. 2187 3.50 ea.
Hawaii, Pat. No. 1833 3.50 ea.
War Dance, Pat. No. 2017 3.50 ea.

PINKS

Dr. Debat, Pat. No. 961 3.00 ea.
First Love, Pat. No. 921 3.00 ea.
Invitation, Pat. No. 2018 3.00 ea.
Pink Masterpiece, Pat. No. 2294 3.50 ea.

WHITE

Sincera, Pat. No. 2055 3.00 ea.
White Beauty, Pat. No. 1825 3.00 ea.

YELLOW

Golden Masterpiece, Pat. No. 1284 3.00 ea.
Golden Scepter, Pat. No. 910 3.00 ea.
Lady Summer, Pat. No. 1469 3.00 ea.
Long Sun Shine, Pat. No. 2078 3.50 ea.

LAVENDER

Song of Paris, Pat. No. 2669 3.50 ea.
Sterling Silver, Pat. No. 1433 3.50 ea.

CLIMBERS

Dan Juan—Red, Pat. No. 1864 3.00 ea.
Golden Showers—Yellow, Pat. No. 1557 3.50 ea.
Queen Elizabeth—Pink, Pat. No. 1615 3.00 ea.

Our plants are Nursery grown from cuttings, seeds, or budded stock unless otherwise stated. These have never been transplanted except those marked with (*) asterisks; which means those are collected from the wild state. Inspected by the Tennessee Dept. of Agriculture. This gives you a chance to buy at lower ordered prices. SATISFACTION GUARANTEED ON ARRIVAL OR WE WILL EITHER REPLACE OR REFUND YOUR MONEY. You may order as many or as few plants as you wish. Send 75 cents extra with order for postage and packing. NOTICE FREE—Orders in the amount of \$4.00 or more you get 2 flowering shrubs FREE, your choice. Orders in the amount of \$6.00 or more you get 4 flowering shrubs FREE, our choice. ORDER NOW.

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32 FLOWERING SHRUBS
Blooming Bushes, Trees
Vines, Hedge Plants



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DEUTZIA



ROSE OF SHARON



REDBUD TREE



RED OSIER DOGWOOD

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1. If not satisfied on arrival return within 10 days for purchase price refund.
2. Any plant not developing replacement is free (5 yr. limit).
3. Any item from us . . . same grades . . . found for less, send proof and we will refund difference in cash.

MASSES OF BLOOMS YEAR AFTER YEAR . . . WITHOUT REPLANTING!

Thrill to the splendor of flowering shrubs, blooming bushes, gorgeous garden plants, spectacular trees, vines . . . even a handsome hedge to grade up and protect your yard and garden . . . all at the lowest cost imaginable. Today . . . mail coupon for this amazing bargain offer. With the Hydrangea you get FREE of extra cost for mailing your order early, you get 33 plants, our finest planting stock . . . all for only \$2.98 . . . less than 10¢ each!

Giant Assortment Sells for \$15.98 At Our Individual Prices

A \$15.98 value for \$2.98? Unbelievable but true. We advertise and sell this same planting stock, all graded to heights for lining out, individually at the prices listed on the right and every item is a good value at these prices. Yet you get this entire 33 piece assortment . . . enough to landscape the average grounds into a blooming GARDEN OF EDEN that grows more beautiful, more valuable year after year . . . all for only \$2.98.

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This 33 piece big bargain assortment is nursery grown from seed or cuttings or nursery grown transplants . . . certified healthy in state of origin . . . shipped vigorously alive, well rooted, 1 to 2 feet high, 1 or 2 years old, an ideal size for original transplanting. All tagged with individual item name. To order this money-saving offer, check and mail coupon. Do it now!

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LOMBARDY POPLAR



BUSH HONEYSUCKLE



CORALBERRY



WHITE SPIREA



MOCK ORANGE



WEIGELIA



SILVER MAPLE



SWEET SHRUB

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Our Price If Ordered Separately

1—TULIP TREE (Liriodendron). Tall shady. Blooms with tulip-like flowers each about 2 1/2" across.	\$1.00
2—ROSE OF SHARON (Hibiscus Syriacus). Beautiful 5-15 ft. shrub. Large single blooms. Beautiful color.	1.18
4—LOMBARDY POPLAR (Populus Nigra (italica)). Fast growing 40-70 foot tree. Graceful columnar form.	1.56
1—SWEET MOCK ORANGE (Philadelphus Coronarius) 6 ft. to 10 feet, clusters of flowers closely resemble creamy white orange blossoms in color and fragrance.	.69
20 Foot PRIVET HEDGE (Ligustrum . . . Species we think best suits your climate). Grows vigorously. 10 plants.	.80
2—RED OSIER DOGWOOD (Cornus Stolonifera) White spring flowers. Dark red spreading branches are winter show.	.98
1—DEUTZIA (Deutzia Varieties) 5-8 ft. shrub. Flowers are white or pinkish in attractive clusters.	1.00
1—SWEET SHRUB (Calycanthus Floridus). Spicy fragrant reddish brown 2" Spring flowers. Bright green leaves turn golden in the fall. Up to 6 ft. ht.	.69
1—CORALBERRY (Symphoricarpos Orbiculatus). 5-7 ft. shrub. Very attractive in fall with crimson foliage and reddish purple berries.	.59
1—WEIGELIA (Weigela Florida Varieties). Lovely 8-10 ft. shrub covers itself with masses of rose pink flowers.	.69
1—WHITE SPIREA (Spirea Varieties). Early spring blooming white varieties plant with white spirea. Pink flowers in clusters.	.85
1—HONEYSUCKLE VINE (Lonicera Japonica Halliana). Sweet scented white flower changes to yellow. Climbs trellises, posts, etc.	.80
1—PINK SPIREA (Pink Flowering Varieties). 4-6 ft. shrub used as a contrast plant with white spirea.	.85
2—FORSYTHIA (Forsythia Varieties). Popular 9-12 foot shrub, with golden blooms early spring.	1.18
1—BUSH HONEYSUCKLE (Lonicera Tatarica Varieties). Vigorous 8-10 ft. shrub. White to pink flowers in spring.	.12
1—REDBUD TREE (Cercis Canadensis). Heights to 40 ft. Rosy pink flower clusters cover twigs early spring.	1.00
1—SILVER MAPLE (Acer Saccharinum). Fast growing, often to 120 ft. Leaves bright green above, silvery white below.	1.00
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