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Tennessee MAGAZINE

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COOPERATIVE ASSOCIATION**

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J.C. Hundley, Executive Manager

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ON THE COVER



The snow, ice and cold weather which hit Tennessee in January included Fall Creek Falls, adding a cold glamour to one of the most beautiful sites in the Volunteer State.

Volunteer Views

By J. C. Hundley
Executive Manager, TECA

Since December 29, 1972, when the Administration announced through the U.S. Department of Agriculture that effective January 1st of this year REA's direct 2% loan program was being replaced by a "guaranteed and insured" loan program bearing a 5% or higher interest rate, quite a bit of unhappiness, puzzlement and downright fear have been expressed the length and breadth of the cooperative rural electrification program — and with good reason.

This uncalled for, unnecessary and arbitrary escalation of interest rates which electric co-ops must pay on future loans immediately brings to mind these thoughts:

1. Broken is the covenant between Congress and cooperative rural electrification, in highly effective operation since 1944, that Congress would appropriate REA loan funds at 2% interest if the co-ops would agree to distribute electricity to everyone in their service areas who wanted it. This is called "area coverage", it has been made possible in large part because of the 2% loans — and it has worked very successfully for more than 28 years.

2. The interest rate increase, which will likely wind up three or four times the amount previously paid, is absolutely certain to affect every electric co-op in existence. The range of effect will be wide. Some will be only slightly affected, some will have to greatly increase their rates to members and some, forced into bankruptcy.

3. The increase raises a highly important question of whether the Executive branch of the Government can, or should be allowed to, arbitrarily or otherwise, take away from a large segment of the American people (in this case electric co-op members throughout

the nation) a program willed to them by law by the Legislative branch of Government, the Congress.

No one can effectively argue that the 2% interest rate which has been in effect since 1944 will cover the cost of money to the Government in today's inflated money market although it did cover the cost of money to the Government into the 1950's. And for certain the return of principal plus 2% interest far exceeds the outright grants and no interest that the Government has made and still makes to the tune of billions and billions of dollars.

But picking on the 2% loans to electric co-ops makes about as much sense as beating on a dead mule. Whether the Government makes a little, breaks even, or loses a little in terms of return on the 2% loans themselves is not really important. What really is important is that the 2% loans have (1) helped to enable our rural and small town residents to become first class citizens in terms of electrical conveniences in their homes and farmsteads and (2) the sizeable increases in personal and corporate Federal Income Taxes which have resulted because of the availability of rural and small town electricity through 2% loans to electric cooperatives is almost certain to amount to several times the amount of monies which the Government derives from the interest on the 2% loans. In other words the Government has derived far more from the increased income of individuals and industries which the 2% loans have created than from the interest from the 2% loans themselves.

Before we have too much "legislation" by the Executive branch of the Government, we should think on these things.

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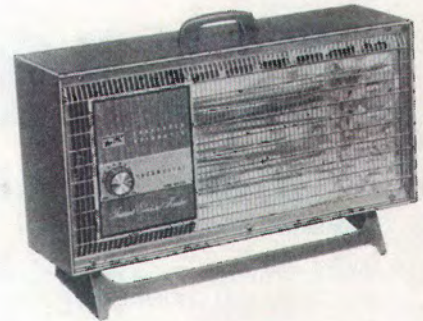
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DEPT. TE

Orlinda: One Small Town with Lots of Big Ideas

By John Stanford

No one, anywhere, has more reason for justifiable civic pride than residents who help pull their communities up by their own economic bootstraps.

Leaders and other interested residents of Orlinda, Tennessee are an excellent example. They have been too busy working for the betterment of their community to hear the often erratic voices of doom predict a dire future for small towns the size of Orlinda.

Orlinda is small with a population of some 400 people and being incorporated, which it is, doesn't necessarily change population. But people with good ideas and initiative DO change things and some good examples of that are taking place in Orlinda ever so steadily.

Orlinda is located in one of the finest farming areas in Tennessee. This rural town is located seven miles west of I-65 on State Route 52 and Highway 49, approximately 12 miles from Springfield, in Robertson County. Although Orlinda has been incorporated since 1966, residents think and talk about Or-



Proud of their nearly completed new Bank of Orlinda are Directors (front row, left to right) D.E. West, Jack Anderson and Harry McNeely and (back row, same order) J.C. Cummings, Charles D. Clayton and J.E. Byrum.

linda as being the Orlinda Community, which includes the town proper and surrounding area.

Soon after Orlinda was incorporated with Cecil Jones as its first Mayor, two main projects were completed with the paving of city streets and the procurement of a City Hall which is a small former telephone building. Orlinda oper-



Orlinda's executives line up on the steps of the Town Hall. From left to right are Alderman J.W. Sanders, Mayor Lawrence Groves, Alderman James Drake and City Manager James Price.



Water Superintendent Paul Webb, left, points out to Billy Brooks, Area Development Director for Cumberland Electric Membership Corporation, some of the improvements which have been made in the local water system which have given Orlinda an Approved rating from the State of Tennessee.

ates under a system which includes a Mayor (now Lawrence Groves), two Aldermen (James Drake and J.W. Sanders), and a City Manager (James Price, who has served since incorporation).

During the past twelve months, Orlinda has completed a new street light system and has upgraded its old water system to the point of official approval by the State of Tennessee. Paul Webb is in charge of the water system.

There are several small businesses in Orlinda, including two small industries — the Orlinda Milling Company and the Mainstream Boat Company. The Orlinda Bank, which has long been an economic mainstay to the area, is just completing a new, modern building into which it will soon move.

The Orlinda Men's Club is another group that has furnished outstanding leadership for this community. It is made up of concerned community leaders in the area who are on the lookout for new and worthy projects.

The Orlinda area in general has historically leaned heavily on agriculture. To a point this has been all right, but the point has arrived when community leaders now know only too well that the present and future well-being of Orlinda depends in large part on a balanced economy, and steps have been and are being taken in that direction. Location of at least one new, fairly sizeable industry in Orlinda "right away" became an immediate aim of community leaders, especially one which would employ local women, some of whom already were commuting to other areas to find employment.

One such industrial prospect was soon found, but with one outstanding provision: it had to have a building to move into.

Leaders met to ponder this problem and to find a solution. The answer: each of a sizeable number of men each put up a substantial sum of money to buy an industrial site and build an air-conditioned metal building. In only a few months from the time this project was discussed this prospective industry the Volunteer Manufacturing Company, was in production employing 75 people.



Some of the interested parties to the location of the Volunteer Manufacturing Company in Orlinda line up outside the plant building, which was constructed by funds raised by local citizens. From left to right are Charles Clayton (Industrial Board), Kendall Simons (Plant Manager), Abe Dansby (company co-owner), J.E. Byrum (Industrial Board), James Price (City Manager) and Cecil Jones (Industrial Board).

Already, Volunteer Manufacturing Company is in need of another building to expand its operation in Orlinda which in turn, will call for the employment of local people.

Very recently, Orlinda bought a used fire engine and a lot on which to build a fire hall.

A partner-in-progress with Orlinda and other towns, communities and interested groups wishing to utilize its rural development services has been the Cumberland Electric Membership Corporation, Clarksville. Co-op Manager John Dolinger, who is also the



Kendall Simons, right, points out to City Manager James Price some of the finer points of industrial clothing manufacturing. Seated at the machine is Mrs. Simons.

Tennessee Director on the Board of Directors of the National Rural Electric Cooperative Association, is an active subscriber to the belief that the



A common sight around Orlinda are Cumberland Electric Membership Corporation linemen and service trucks. The co-op has electrically served the Orlinda area for more than a third of a century.

provision of electricity by his cooperative is only one of a number of things that his rural electric system should do in the highly important field of rural development. Among other actions to this end, Dolinger placed a full-time employee, Billy Brooks, on the CEMC staff as Area Development Director for the cooperative. Since that appointment the residents, along with those of a number of other towns and communities in CEMC's 5-county service area, have witnessed both the direct and indirect efforts of Brooks and the cooperative in solid accomplishments in behalf of town, community and rural development.

While this brief story about small, aggressive Orlinda is, hopefully, inspiring, it is not necessarily unique. There are many such stories in Tennessee and throughout the nation that show what can be done when dedicated people and organizations work together — cooperate — in a common cause.

That, after all is said and done, is still a big part of what the American way of life is all about.

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An all-important question to cooperative rural electrification:

What The Legislative Branch of the Federal Government Lendeth, Can and will the Executive Branch Taketh Away?

By John Stanford

Friday, December 29, 1972 was somewhat less than a typical day in Washington, D. C. It was four days after Christmas and three days before New Year's Day, an interval during which a number of Federal employees take a few days or the remainder of their vacations. Congress was in adjournment. All was relatively quiet . . . UNTIL, the White House, through the U. S. Department of Agriculture, dropped a totally unexpected, totally un-hinted, highly destructive announcement bombshell to the effect that effective in only three more days (actually immediately since the next three days included a week-end and New Year's Day) the REA electric and telephone 2-percent direct loan programs were being converted to insured and guaranteed loan programs at somewhat higher interest rates — probably a minimum of 5-percent and higher, possibly three to four times as much as the nation's electric co-ops have been paying since the Pace Act passed by Congress became effective in 1944.

The official announcement from the Department of Agriculture almost sounded routine and harmless but among electric co-op managers, directors and other leaders throughout the nation it immediately aroused concern, apprehension, fear and doubts concerning survival of many local rural electric co-op systems.

Here is the announcement from the Department of Agriculture:

WASHINGTON, Dec. 29— The U. S. Department of Agriculture announced today that the REA electric and telephone 2 percent direct loan programs are being converted to insured and guaranteed loan programs at somewhat higher interest rates effective Jan. 1, 1973. This action was made possible by the enactment of the Rural Development Act of 1972 in which the Congress provided very broad authorities to make guaranteed and insured loans to finance all types of community development programs.

This change is a part of the effort to hold 1973 Federal budget outlays to \$250 billion and keep the outstanding public debt within the statutory limit of \$465 billion through June 30, 1973. It will eliminate direct Federal loans and substitute credit from private sources at interest rates that are more in line with the cost of money on today's market. Insured and guaranteed loans will reduce the impact on the Federal budget and the public debt and are designed to facilitate more rapid growth in the credit programs being provided by the National Rural Utilities Cooperative Finance Corporation, the Rural Telephone Bank and other private lenders.

Beginning on Jan. 1, 1973, all REA loans will be made as guaranteed and insured loans under the authority of Section 104 of the Rural Development



Agriculture Secretary Butz . . . his Department made announcement

Act of 1972 (Section 306(a)(1) of the Consolidated Farm and Home Development Act). In order to meet more fully the needs of REA borrowers, an additional \$200 million in loan authority will be made available over and above current allocations. This will provide a total loan authority of \$618 million for rural electric loans and \$145 million for rural telephone loans in fiscal year 1973. These funds are in addition to those loans available to REA borrowers from private sources, including CFC.

Loans to electric and telephone cooperatives will be made on an insured basis at 5 percent interest (guaranteed loans will also be available to electric cooperatives where private capital is available on advantageous terms). Loans to commercial power companies and commercial telephone companies

will be guaranteed at market rates of interest.

Many details of this transition from the authorities of the Rural Electrification Act of 1936, as amended, to the authorities of the Rural Development Act will require time to work out. Borrowers and other interested parties will be advised of the necessary changes in loan requirements and loan processing as rapidly as possible. Every effort will be made to expedite these new programs in order to meet the expanding needs of REA borrowers.

Among the first to hear the completely unexpected announcement, by telephone, was the National Rural Electric Cooperative Association in Washington. At 4:00 P.M. on the same day, December 29, Robert D. Partridge, the Executive Vice President and General Manager of this National organization representing approximately 1,000 rural electric co-ops throughout the nation, issued the following statement to the various news media:

The Administration's announcement that it is impounding all unobligated REA loan funds and discontinuing the REA loan program comes as a shock and keen disappointment to NRECA.

Moreover, we have no other alternative than to fight such a drastic decision with all the resources at our command.

Although we reach this conclusion with reluctance, we have no other reasonable choice. Left standing as announced, this new Administration policy will wipe out many of the more than 1,000 rural electric systems in America and threaten the welfare of the millions of consumers that depend on them for electric service.

The Rural Electrification Administration was created 36 years ago to fill the critical electric power void that existed throughout rural America.

Not only has the program enabled rural residents to become first class citizens and contributed mightily to our food production capabilities, but the REA program has become a showcase of success that is the envy of the world.

While rural electric cooperatives and power districts have been moving as rapidly as possible to develop supplemental private financing to meet part of their needs, few if any rural electric systems would exist today if it were not for the long-term, low-cost interest loan program provided by REA.



NRECA Manager Partridge "... no alternative than to fight"

Moreover, it will bring utter chaos to the entire rural electric financing picture if the Administration is to pull the rug from under the REA loan program at this time — especially with capital needs doubling every seven years.

We submit that if America is going to rebuild and revitalize its rural areas — if it is going to eradicate the poverty and decay now impeding rural economic growth — it must have a healthy ongoing rural power supply system represented by the rural electric systems.

The decision to, in effect, abolish the REA loan program as we have known it is a severe blow to rural America.

We hope the Administration will reconsider this drastic and precipitous decision.

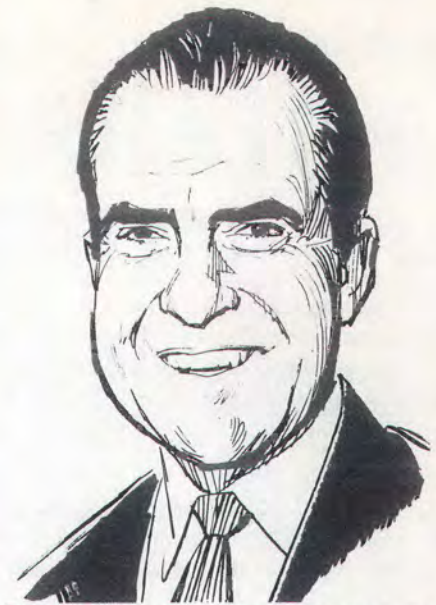
On the following day, December 30, NRECA General Manager Partridge sent the following message to President Richard Nixon:

*The President
The White House
Washington, D. C.*

Dear Mr. President:

We urgently request that you promptly rescind yesterday's announcement by the Department of Agriculture concerning the discontinuance of the REA direct loans program.

We submit that this action is in direct contradiction to the repeatedly stated intent of the Congress and of your Administration to continue the loan program, not only as a means of assuring rural electric service in rural areas but as an additional vital tool in revitalizing



President Nixon ... he's getting messages these areas.

Not only has Congress continued to give increasing support to REA loan fund authorizations — in each of the last three fiscal years it has increased this authorization without a dissenting voice — but it has over the years refused to change the terms and conditions under which these loans have been made since the passage of the Pace Act in 1944. Under this Act, in return for low-interest, long-term loans, the nation's rural electric systems agreed to provide coverage for all in their service areas. Unilateral repudiation of this covenant by the U. S. Government will seriously jeopardize or destroy the operations of many rural electric systems.

Rural electric systems have, of their own volition, developed a workable, long-range plan for bringing non-Government capital into the program. The heart of this program is the present REA two-percent loan program, which combined with higher-cost money allows the increased costs to be absorbed on an orderly basis and does not immediately threaten massive increases in rates.

Under this growing supplemental program, as was noted by Secretary Butz in his Fiscal 1972 report, nearly half of the capital needs of REA borrowers was met from sources other than REA. An increasingly higher proportion of private funds is anticipated in future years. To now suddenly require that they obtain all of their capital at sharply higher rates threatens this carefully worked out supplemental financing program and promises chaos and disaster for most of the more than 1,000 rural electrics.

(Continued on Next Page)

Lending Changes

(Continued from page 9)

The Rural Development Act, under which it is now proposed that rural electric guaranteed and insured loans be made, was not intended by Congress to be a replacement for the REA loan program. Meeting the needs of the rural electrics through this program will not only create hardships for these systems but would also create a situation where needed capital under the insured and guaranteed loan programs would be drained away from other vital rural development projects.

In summary, we consider the elimination of REA loans and the substitution of insured and guaranteed loans under the Rural Development Act to be disastrous in terms of the viability of our rural electric systems and an illegal application of present laws by the Department of Agriculture.

Again, we ask that you immediately rescind the announcement.

Sincerely yours,

Robert D. Partridge
Executive Vice President

On the same day, December 30, Manager Partridge dispatched the following urgent message to all rural electric systems in the nation:

Late yesterday afternoon, the Administration announced that the REA electric and telephone direct loan programs are being terminated January 1, 1973. All future rural electric and telephone loans will be made on an insured or guaranteed basis, with the insured loans carrying an interest rate of 5 percent.

NRECA was not consulted or informed in advance by the Administration that such a drastic change in the rural electric program was about to be made. The only official word we got was the USDA announcement yesterday, a copy of which is enclosed.

The Administration's action amounts to a repeal of the Rural Electrification Act by Executive Action. If permitted to stand, it will accomplish by fiat what our enemies have tried to do for years — namely, destroy the REA low interest loan program and, with it, many of our rural electric systems. Those which survive will be forced to increase retail rates to their member-consumers in order to handle this large and sudden dose of high cost capital.

We cannot — and will not — accept

this Administration decision. As I pointed out in a statement to the news media (copy enclosed), we have no alternative but to fight to reverse this decision. I believe this is a fight we can win, but only if we all work together and use every resource at our command.

On the plus side, we have many Members of Congress who have shown their support for the REA program through their affirmative votes on annual appropriations for REA loans. In addition, the Congress has become increasingly concerned and resentful over the accelerating trend of the Executive Branch to usurp the powers of the Legislative Branch. The Administration's decision to terminate the REA direct loan program is a flagrant example of the Administration flouting the will of the Congress.

It also represents a breach of faith by the Federal government. As you know, the REA 2 percent interest rate, established by Congress in the Pace Act of 1944, made it possible for rural electrics to provide area coverage in their service territories. In effect, rural electrics promised to serve everybody in their territory, whether the service was financially feasible or not, in exchange for loans at 2 percent interest.

On the minus side, time is against us. The longer this Administrative decision is allowed to stand, the more difficult it will be to reverse it.

NRECA has launched a crash program on the Washington scene to restore REA and the direct loans program. I have sent a strongly worded protest to President Nixon, asking him to rescind yesterday's action. We have already contacted many key Democratic and Republican Congressional leaders to enlist their support and map strategy to save the rural electric program, and additional Congressional contacts will be made as rapidly as possible. I have also strongly requested an early meeting with Secretary of Agriculture Earl Butz.

Your help is urgently needed on several fronts.

1. Please call, wire to write to your Senators and Representative as soon as possible to enlist their aid in the battle to save the REA direct loans program.

2. Contact your county and state Democratic and Republican political leaders about this threat to survival of the rural electric systems and the adverse effect this will have on rural people. Request their assistance in reversing the Administration's decision on REA.



TECA President Milton "... could well mean disaster"

3. Inform your membership as quickly as possible about this threat to their rural electric system and to the adequate and reasonably-priced electric service they now enjoy, and ask them to write to their Congressmen immediately in opposition to the abolishment of the REA 2 percent loan program.

Your help is greatly appreciated. I know you have many unanswered questions about the immediate effect of the Administration's decision, and so have we. For example, we understand that USDA is only now beginning to set up the administrative machinery for implementing the Rural Development Act, and it is unlikely that the restructured agency will be ready to carry out its new rural development function until mid-summer. Meanwhile, it will be expected to take on the rural electric lending program immediately.

We will keep you informed of developments in this area just as fast as we are able to get firm facts from USDA.

In Tennessee, as in many states throughout the nation, programs of action were not long in being formulated. Tennessee Electric Cooperative Association Executive Manager J.C. Hundley assembled in Nashville an action group from all three Grand Divisions of the state for a one-day meeting which finalized plans for additional work with news media, Tennessee's Congressional delegation and a national rally to be held in Washington, D.C. in late January.

Soon after the meeting of this action group, Tennessee Electric Cooperative Association President James Milton, Manager of Gibson County Electric Membership Corporation, Trenton, issued the following statement to all members of Tennessee's Congressional Delegation:

The Administration's announcement that it is impounding all unobligated REA loan funds and discontinuing the REA loan program comes as a shock from which we have not yet recovered. If permitted to stand, the arbitrary and secretive action of the Office of

(Continued on Page 25)

FACTS ABOUT COOPERATIVE RURAL ELECTRIFICATION

● "Rural electrics" or "REC's" are the terms most often applied to America's nearly 1,000 rural electric co-ops. While a few of these systems are organized as public entities, the vast majority are consumer cooperatives, incorporated under the laws of the states in which they operate. A consumer cooperative is an enterprise which is owned and controlled by the people it serves.

● These systems are financed largely by loans from the Rural Electrification Administration (REA), an agency of the U.S. Department of Agriculture. REA loans are repaid, with interest, on a fixed schedule over a maximum period of 35 years.

● An executive order issued by President Franklin D. Roosevelt in 1935 created REA. The Rural Electrification Act, which continued REA, was sponsored by Senator George Norris (Republican, Nebraska) and Representative Sam Rayburn (Democrat, Texas) and was passed by Congress in May, 1936.

● Before REA loans were available, only 10 percent of America's rural areas had central station electric service. Today, that figure is over 98 percent.

● Rural electric co-ops serve 7.1 million farms, homes, schools, and other rural establishments in 46 states, Puerto Rico, and the Virgin Islands—more than 25 million people in 2,578 of the 3,072 counties in the U.S.

● Between 1961 and 1971 the average monthly kilowatt-hour consumption per farm and residential consumer on rural electric lines rose from 375 to about 730. The average retail rate on these rural lines was lowered from 2.44 cents to just under 2 cents per kilowatt-hour during the same 10-year period.

● Rural electric co-ops own and maintain 46 percent of the electric distribution lines in the United States but they own only a little over one percent of the nation's generating capacity.

● Rural electric co-ops are pledged to serve all within their areas. They average 3.7 consumers and \$696 annual revenue per mile of line—while most commercial utilities average ten times as many consumers and \$10,499 annual revenue per mile of line.

● In view of this low revenue and other handicaps in providing rural service, the REA interest rate was set by Congress at two percent. Commercial power companies, as well as cooperatives, are eligible to borrow money from REA at the same rate if they will meet the same requirements—that is, use the money to electrify rural areas and agree to serve all persons living in the service territory.

● The REA has advanced more than \$7 billion in loan funds to rural electric co-ops. These co-ops have paid back to the Government \$3.8 billion on their loans. This includes \$2.2 billion repaid on principal as due, \$301 million of principal paid ahead of schedule, and \$1.3 billion in interest.

● Because electric co-ops need more capital than the government is providing in REA loan funds, they have organized their own private financing institution. This is the National Rural Utilities Cooperative Finance Corporation (CFC), which can borrow in the commercial money market to furnish supplemental financing so that the rural electrics can meet their service responsibilities in the areas where they provide electricity. The first loans were made in February of 1971, and by the close of its second fiscal year, on June 30, 1972, CFC had approved 520 loans in the total amount of more than \$149 million.

● Electric cooperatives paid well over \$60 million in state and local taxes during 1971. They do not pay federal or state income taxes because they operate on a non-profit basis. Any money collected over and above what is necessary to carry on the cooperative's business is returned to the consumer as "patronage refunds" or "capital credits."

● Altogether the rural electric co-ops employ close to 40,000 people to provide service to their members

● To help develop more fully the vast potential of rural America, the people of rural electric co-ops are often the leaders in rural community development. In the past 11 years, REA borrowers have helped start and expand more than 5,600 new business and industrial enterprises in the areas they serve, creating some 380,000 new jobs.

Presenting Jana Lee McDaniel: "Miss Tennessee Electric Co-ops"

By John Stanford

If an event which took place in Nashville last October 17 had been a foot race, pretty Jana Lee McDaniel of Route 2, Friendship, Tennessee would have been a virtual certainty to finish dead last.

At that time and place, Jana Lee's right leg was completely enclosed in a cast, on the mend from an injury sustained while performing some cheerleader antics at Lambuth College in Jackson, Tennessee, where she is a Freshman student.

Fortunately for Jana Lee, however, the event on that memorable October evening was the "Miss Tennessee Electric Co-ops" Beauty Contest and with face, personality and figure — rather than speed afoot — the prime bases for judgment, Jana Lee walked — or hobbled — off with the winner's crown.

Winning contests, beauty or otherwise, is nothing new for this 18-year-old daughter of Mr. and Mrs. Bobby Lee McDaniel of Route 2, Friendship, Tennessee. Even before the "Miss Tennessee Electric Co-op" contest she had qualified for next summer's "Miss Tennessee" preliminaries of the "Miss America" contest by winning the title of

"Miss Bells." She was "Miss Friendship 1971," "Ideal Miss of Jackson 1971," "Miss Friendship High School 1972" (this by election of the entire student body), "Queen of Dyer County Hairdressers 1972," and still holds the honorary title of "Miss Goodwill Ambassador of Friendship."

Jana Lee is among the most musically talented of all the 14 young ladies who have been crowned "Miss Tennessee Electric Co-ops" since the Statewide Contest was begun in 1959. An outstanding singer, she appeared on the Ted Mack Amateur Hour in 1970, won the Cotton Carnival Talent Show in 1971, was a finalist in the Mid South Fair Talent Contest in 1971, and was Second Sweepstakes winner of the Mid South Fair in 1972.

In high school, Jana Lee was a member of the Beta Club, Editor of the Annual, a member of Future Homemakers of America and attended Volunteer Girls' State while a 4-H Club All Star.

And Jana Lee doesn't neglect the spiritual side of her busy life. A member of the Elizabeth United Methodist church, she sings in the choir when home from college and has served as secretary of the Sunday School



It was this winning smile which Jana Lee McDaniel (third from left) displayed at the "Miss Tennessee Electric Co-ops" Beauty Contest last October which helped to enable her to be chosen the queen from among this group of outstanding young ladies from throughout the state.

department, assistant pianist and President of the Methodist Youth Fellowship.

In addition to singing, Jana Lee enjoys such hobbies as sewing, swimming, showing Angus cattle and judging livestock. For a vocation, however, she would like to be a professional entertainer because, as she admits, "I like the stage."

Standing 5'-4", Jana Lee weighs 110 pounds, has brown hair and smiling green eyes. Her statistics are 36-25-36.

Jana Lee can point to a couple more of her many accomplishments in becoming the current beauty queen of Tennessee's electric co-ops. First, she was the first young lady to win the title of "Miss Forked Deer Electric Co-op", which held its first-ever local beauty contest in August of last year. Second, she gave this West Tennessee electric co-op a championship in its very first try at the State Contest.

As "Miss Tennessee Electric Co-ops", Jana Lee will compete in the "Miss Rural Electrification USA" national contest in Dallas, Texas on the last day of this month.

As charming and as tough a competitor as you'll ever likely meet, it's a safe bet that delightful, personable, pretty Jana Lee McDaniel, with the leg cast long since gone, will be ready, willing and able to give everyone a "run for their money" which, in the National Contest amounts to a \$2,500 first prize.

And Tennesseans everywhere who believe in and support such worthwhile youth activities as the local, State and National Electric Co-op Beauty Contests hope that this fine, attractive young lady will do just that.

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Uncle John's Page

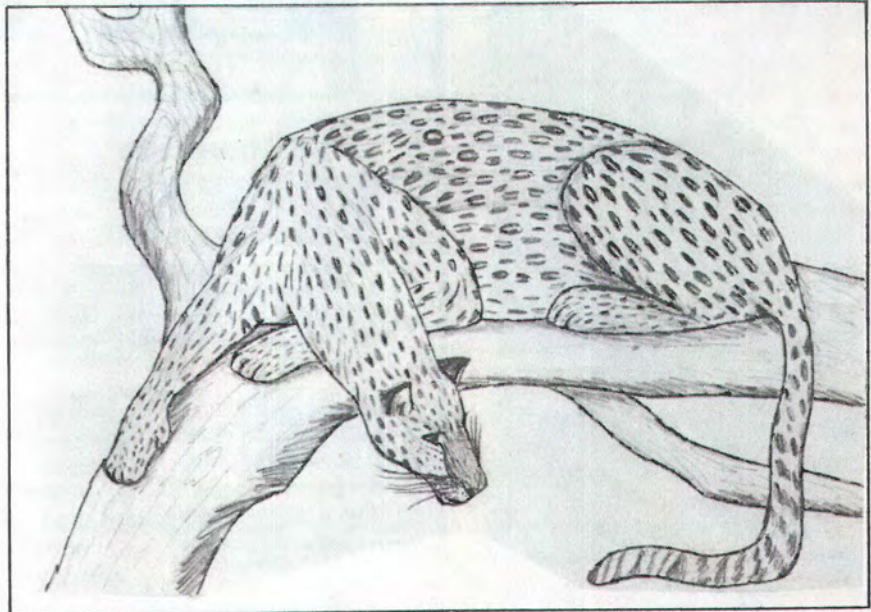
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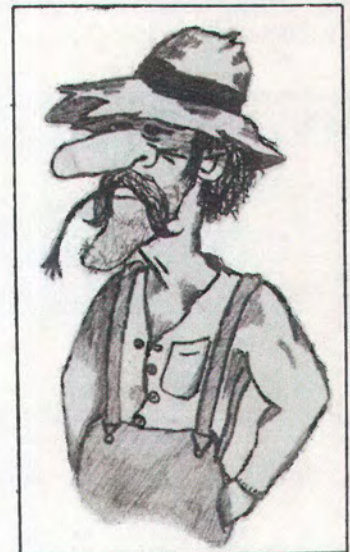
Angela Kelley, Age 10
P. O. Box 92
Oakland, Tennessee 38060
Chickasaw Electric Cooperative



Deborah Miller, Age 15
R.C. Route
Jamestown, Tenn. 38556
Volunteer Electric Cooperative

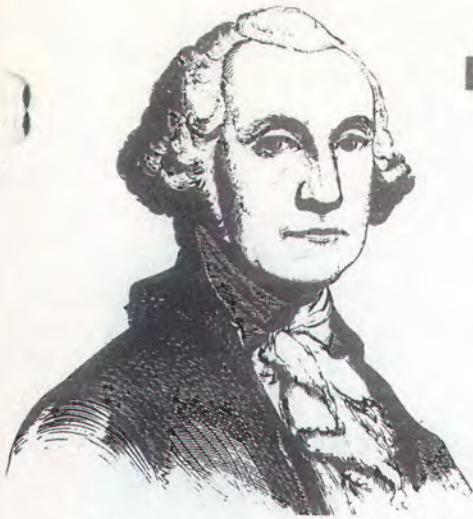


Freda Jones
Jacks Creek, Tenn. 38347
Pickwick Electric Cooperative



Terry Crisp, Age 13
Greenback, Tenn. 37742
Fort Loudoun Electric Cooperative

LITTLE KNOWN FACTS ABOUT GEORGE WASHINGTON



What was George Washington really like?

Although any schoolboy can tell you with authority the impressive exploits and achievements of the "Father of Our Country"—as General, Statesman and President—many facts about Washington, the man are little known.

Did you know, for example, that in addition to his more obvious military and diplomatic skills, Washington was also an excellent businessman and accountant, an inventor, a scientific planter, a designer, a magnanimous host and—according to Thomas Jefferson—"the best horseman of his age?" It's a fact!

Although he left school at the age of 13, and never had any systematic schooling after that, Washington was, in a sense, a perpetual student of life, always striving to learn additional skills and cultivate new interests.

His unique abilities as a farmer, trader and land investor were legend in his own time. He constantly exchanged letters with agricultural experimenters at home and in England and imported plants, shrubs and trees from all over the world. Today at Mount Vernon there are at least 57 trees still standing which were set out by him.

He experimented with clover, rye, timothy and alfalfa to enrich the soil, as early as 1760. He was the first in the country to plant pecan trees. He was one of the few who tried crop rotation at a time when plenty of new land was available. And still he found the time to tinker with several inventions to make planting, harvesting and processing easier on the plantation. The results? The flour, for one, produced at Mount Vernon was so unusual for its purity and excellence

that it was known all over the Americas and Europe.

As businessman and accountant, Washington was also tireless; in an age when it was necessary to do all correspondence in longhand, he wrote more than 18,000 letters!

Washington also excelled in the field of architecture. This came in quite handy after his return from the Revolutionary War, as he developed a strong desire to enlarge and beautify his estate, Mount Vernon—due in part, from seeing beautiful homes elsewhere and being in contact with cultured people on both sides of the Atlantic. Indeed, many architects after the war consulted Washington—whose eminence in design and building craft is said to have given him much prominence in his day. He drew up plans and specifications with his own hand and almost single-handedly converted his small house of eight rooms into the highly celebrated and beautiful mansion we know today—with two floors, an attic, an immense cellar and the magnificent portico overlooking the Potomac.

Although he has often been depicted by historians as a cold, formal man, Washington was actually congenial and fun-loving with friends and family—shown time and time again by his great hospitality and magnanimous reputation. The General himself called his mansion "a

well resorted tavern" because of the steady flow of guests he and his wife found themselves entertaining as the official hosts of the young nation.

He loved dancing, parties, the theater and guests—particularly if they were of unusual interest. He is said to have possessed a hot temper, held tightly in check—which he seldom lost, and then only for good cause.

He helped family and friends with gifts and loans, asking only that they not reveal the donor. Admired by all for his great achievements, he could be extremely modest, diffident and almost bashful at times. When he entered the Virginia House of Burgesses, for example, after winning major battles in the French and Indian War, he is said to have blushed crimson at the warm welcome he received.

George Washington was in every respect an American.

Most of his early years were spent in the backwoods. He was a farmer, a man who worked with his hands. He gave his young manhood to the Indian Wars, his maturity to the Revolution, his ripe and mellow years to the Presidency.

He was the first person to fire a shot in the French and Indian War, the first American General, the first President of the U. S., and also... "first in peace, first in war, first in the hearts of his countrymen."



An Electric Water System is Dirt's Worst Enemy



An Electric Water System makes child's play of so many household chores because water is dirt's worst enemy. When you have an Electric Water System . . . with an Electric Water Heater . . . there is always plenty of handy water to make dishwashing, laundry and so many other jobs go faster and easier.

An Electric Water System can help you earn more money, too. Research proves that livestock and poultry produce better where there is adequate water always available. Running water can also help you up-grade your dairy so you'll earn more on every hundred-weight.

Yet an Electric Water System costs only pennies a day . . . a big bargain in better living, the low-cost rural electric way.



Basements are for living, too

Basements are no longer just for storing junk. They are for living. But often basements are cold and dank. They don't have to be, thanks to research by the electric industry into how to comfortably heat a basement.

Homeowners who have heated their basements with electric heat say the basements are now fully comfortable and that operating costs averaged less than half of the cost of heating living space above ground.

As one homeowner says: "The whole basement is warm and pleasant, just like being upstairs."

And another comments: "We're using the basement a great deal more since we've had electric heat in it. It seems to double the size of the house."

Here are the recommended types of equipment for your basement project:

Baseboard: Electric baseboard heating generally is considered to be the most attractive type and will function just as well in a basement as it does in above-grade rooms.

Wall Heaters: Wall heaters of the downflow, forced-air type have the advantage of possessing a lot of capacity (up to 5 kilowatts) in a small, easily installed package. Wall heaters give quick pick-up of heat, an advantage for basements where the thermostat may be set down when the basement is not in use.

Electric Fireplace: Here's a piece of equipment which is often not considered, but which can not only provide attractiveness and pleasure to your basement living but can also provide heat.

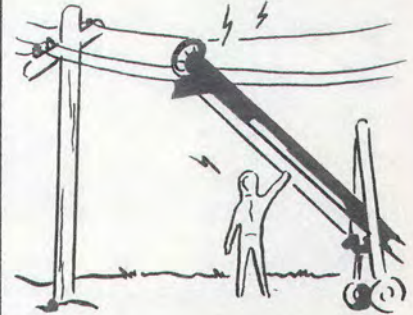
An electric fireplace combines a decorative touch with the functioning of a forced-air wall heater.

The types of electric equipment generally most suitable for basement use are those that heat the air in a room by forced-air movement or natural convection.

So whether you'd like to convert your basement to a recreation room or other living or working area, you should consider electric heat.

Electric heat makes the difference between just living and really living. But before you step up to the good life, be sure and check with your electric cooperative. They'll help you get all the benefits available with this modern form of heating.

LOOK UP! LOOK AROUND!



Do not move farm machinery which, due to its height, may come in contact with any electric power line. Extending grain augers, front end loaders, etc., should be handled carefully around power lines. Take the time to think of safety.

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Timely Topics



FOR WANT OF A KNIFE, A STEER'S PROFIT WAS LOST

When you sold your bull calves this fall did you realize you were being docked from about \$8 to \$20 per head?

"You probably didn't because all feeder calves were bringing good prices when you compared them with calves marketed in past years," says a University of Tennessee beef cattle specialist. "But a recent study showed that bulls in the 400 to 600 pound range generally being two to three cents less than steers in the same range."

The study, conducted on six special graded feeder calf sales by Fred C. Powell, UT Extension livestock specialist, showed that lightweight bulls (under 300 pounds) brought as much as steers of the same weight.

Castration is best done when the calves are about four to 10 weeks old, and it should be done during favorable weather conditions.

What will you decide about the possibility of losing \$8 to \$20 per head by not castrating bull calves? Remember, "For the want of a knife, a steer was lost. For the want of a steer, a price was lost. And for the want of a price, a profit was lost."

KILL HALF THE FESCUE STAND TO RENOVATE

"To properly renovate a grass pasture with clovers, you need to have a 50 percent stand of grass," stated Joe D. Burns, University of Tennessee agronomist. The clovers will grow in the areas where the grass has been killed.

For thick stands of fescue you will need to kill one-half of the grass, says Burns, associate professor with UT's Agricultural Extension Service. Disk or use a spring tooth cultivator to rip the sod. It may be best to disk the sod and then wait a few days and disk again. Fescue is difficult to kill in winter.

He points out that pastures with thin stands of fescue or orchardgrass and the thousands of acres of broomsedge-invaded pastures that have thin stands of fescue do not need very much disking to have the 50 percent stand. For these fields, light disking usually once over the field is all that is needed. Disk on the contour so that the seed, fertilizer, and lime will stay in place.

Burns suggests that for bermudagrass pastures, all that is needed for renovation is shallow disking or scratching of the soil surface.

"Two steps are important to a pasture renovation program," Burns states. "Step one is to soil test and step two is to have a 50 percent stand of grass left after disking."

Contact your county Extension office for soil test boxes and the renovation circular, E.C. 714.

SEED CATALOGS HELP GARDENER

Send in for those free seed catalogs advertised in farm magazines.

"They're a source of information for anyone who takes gardening seriously," says John C. Clark, University of Tennessee horticulturist.

Suppose you want to try a vegetable variety listed in Agricultural Extension Service Publication 418, but you can't find a local source of the seed. If you have a seed catalog you can order directly from the firm.

"You can also find a description of the variety," continues Clark, assistant professor. "Information such as when it matures, size of fruit, and height of plant is useful."

If you are a city gardener, you might want to subscribe to a farm magazine, suggests Clark. It will round out your knowledge of the farming industry, as well as offer you all those free seed catalogs. And a seed catalog to a gardener is about the same as a fishing license to a fisherman: it doesn't guarantee success, but it helps to have one when you need it.

LIMESTONE IS FERTILIZER'S HELPING HAND

Most farmers recognize the importance of fertilizers for high crop yields, but the need for agricultural limestone is often overlooked, believes a University of Tennessee agronomist.

"Fertilizers and limestone work hand-in-hand to produce maximum crop yields," says professor with UT's Agricultural Extension Service.

Fertilizer materials are usually applied before, at, or just after planting, Howard says. The soil in turn must supply these nutrients to the plant during the growing season. And, the soil's ability to do this is largely controlled by its pH level (acidity or alkalinity).

"Research has shown that the soil pH level controls the relative availability of the individual plant nutrients," Howard adds. "Elements such as aluminum, manganese, and iron, found under extremely acid soil conditions, react with these nutrients forming compounds that are not available for plant use."

The agronomist points out that the concentration of these elements increases as pH decreases (or as the soil becomes more acid). High concentrations of these elements affect root growth, limiting the plant's ability to absorb nutrients and water. But, such soil conditions can be avoided by applying limestone to adjust the soil pH to between 6.0 and 7.0, the best range for growing most field crops.

Howard says that the need for limestone and the amount to be applied can be determined by a soil test. Soil pH is one of the determinations made by the University of Tennessee Soil Testing Laboratory.

CONSIDER SOIL TEXTURE WHEN CHOOSING CROP

How much water can a soil hold? How much of this water is available to plants? And how much water do different crop plants require for normal growth and high yield potential?

"The answers to these three questions comprise an important soil-plant relationship that farmers should consider when they are selecting what crops to plant on the different soils on their farms," says George J. Buntley, University of Tennessee agronomist.

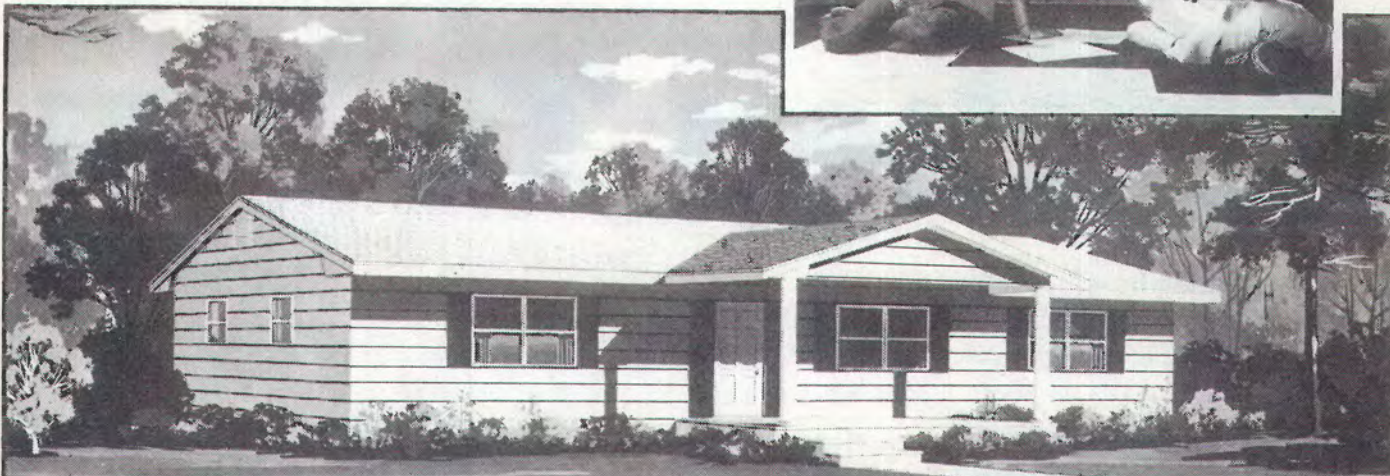
Water makes up nearly 85 percent of the weight of healthy, growing plants, Buntley adds. When the soil in which a plant is growing cannot supply enough water to satisfy the requirement of the plant, the yielding potential of the plant is sharply reduced.

Soil texture, or the relative amounts of sand, silt and clay in the soil, strongly influences the quantity of water a given soil can supply to growing plants, says Buntley, associate professor with the UT Agricultural Extension Service.

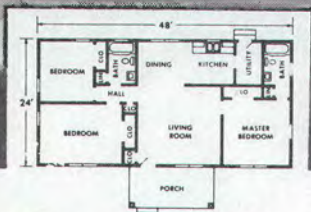
"For example, coarse-textured (sandy) soils average about one-half inch of water available to plants per foot of soil material," he explains. "Medium-textured soils average two inches or more of available water per foot of soil material. Fine-textured soils, or those high in clay, average approximately one and three-fourths inches of available water per foot of soil material."

Producers would be wise to consider this factor when selecting specific crops for specific soils, the agronomist recommends. Full-season crops like corn, cotton, tobacco and soybeans which have a high water requirement are more successfully grown on soils having a high water-supplying capacity. Shorter-season crops, such as the small grains, require water over a somewhat shorter period of time and usually reach maturity before the mid-summer water stress period begins. Thus small grains are a good crop choice on soils having lower water-supplying capacities.

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Tailor Your Kitchen To You

By Patsy Myers, Home Economist
Middle Tennessee Electric Membership Corporation

Since the kitchen is really your workroom, Mrs. Homemaker, plan it so it will work for you. Certainly, homemaker's needs differ; desires of the family members and lifestyles of families differ. So, take yourself and your family's needs into consideration as you plan your kitchen.

If you are planning a new kitchen, you may have a better chance to make your room flexible to your needs, but don't be afraid to tackle a remodeling job in your kitchen.

Perhaps with the prettier appliances on the market, and the availability of new custom-made cabinets with their beautiful accessories, you might even enjoy the challenge of planning your workroom yourself.

A good way to start is to collect pictures of features you want to include in your new or remodeled kitchen. You might even determine your color scheme and get some decorating ideas from these pictures.

As you make your choices, think of your kitchen as more than a place to cook. At your house, isn't it the first room your husband enters as he comes home from work? Isn't it the first room your children romp through on coming in from play? Perhaps it is the first room in which to teach your child responsibility.

Now, as you get down to the serious planning of this room, remember the basic keynote to your success is efficiency in the preparation and serving of meals, so plan for an arrangement that will save steps and work.

In the modern kitchen, the main activities are arranged in centers for making the work easier.

These are: the refrigeration and food preparation center, the dishwasher and clean-up center and the cooking and serving center. For convenience, each of these centers has its own work counters, and storage space for supplies and utensils.

The heart of each center is a modern, time-saving electric appliance and since these appliances come in pretty colors and all kinds of different styles you may buy or replace your appliances with colors and styles to suit your taste.

Do spend some time in making your selection of appliances. For the Refrigeration and Food Preparation Center, there are refrigerator-freezers that are left-handed, right-handed and side-by-side in styling. And even though it may cost a little more for maintenance, there is the frost-free style which is so much less trouble to keep.

For the Dishwasher and Clean-Up Center, there is a new appliance which is becoming very popular for making the job of taking out the garbage more pleasant. It is called a trash compactor, and its job is to mash or compact bottles, cans, and paper, so as to be able to take out one small compact bag instead of several large 20-23 gallon cans or bags of trash. The compactor, which fits under the counter, and is only 15 inches wide, does a tremendous job. The compactor, along with the automatic dishwasher, and a garbage disposer in the sink, makes the clean-up job much easier.



Mrs. Winston Bowling, 2418 Morgan Rd., Murfreesboro, spent many hours in planning the arrangement, lighting, wiring in her kitchen to tailor it to her specific needs and the lifestyle of her family. Here we see her at the electric range. Looking on are her sons (l to r) Timothy, John and Raymond. This is an L-shaped kitchen with an eating area.



Mrs. Paul Cantrell, Route 2, Murfreesboro, is shown here in her new kitchen. Note her undercabinet lighting, lighting over the sink, her range with the small oven at the top, with large self-cleaning oven under the surface units. Mrs. Cantrell's U-shaped kitchen was "tailored" to suit her.

For the Cooking and Serving Center, there are all kinds of new features of the Ranges available. Several companies are manufacturing the smooth ceramic cooktop. Many Range manufacturers are now making a portable microwave oven which may be added to your conventional electric cooking equipment to make the cooking a peedier task.

Many new ideas are being introduced from time to time, like adding the charcoal grill to the range top. And there are other combinations, such as the conventional oven and microwave oven all in one, with self-cleaning. The homemaker has many choices to make, but since this is a long-time investment, she should be sure that what she chooses suits her needs and her kitchen.

As the three centers are arranged, the distance between the major appliances form a work pattern triangle. The recommended distance limits from the center of each appliance are:

Ref. to sink . . . 4 to 7 ft.

Sink to Range . . . 4 to 6 ft.

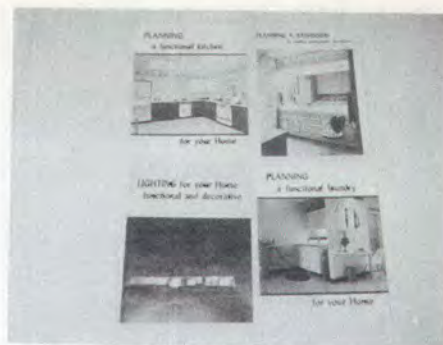
Range to Ref. . . . 4 to 9 ft.

The sum of the distances (or the sum of the sides to the work triangle) should be 12-22 feet, preferably 20-22 feet.

Other very important factors to be provided for a good kitchen are:

- General room lighting plus undercabinet lighting at the range, sink and work counters.
- Plenty of outlets for use of small appliances.
- Heating, air-conditioning and ventilation for comfort, and
- Plenty of hot water when and where needed.

All of these factors which enter into making a good kitchen part of a Gold Medallion Home, or a well-planned all-electric home, may be guided and assisted by your Electric Power Distributor's Office. Your Power Distributor has many good helps available which he can furnish you to make the job of planning for electricity in your whole house easier. Perhaps your Power Distributor has personnel to help you achieve the results you want.



In planning a whole house, you may need lots of assistance. Magazines sometimes help but for the electric planning you may receive many ideas you can use from the four booklets pictured above. Your Power Distributor can furnish these to you free.

They have most of the details of planning pictured or discussed, which will be invaluable aids.



When a family indicates their interest in Gold Medallion planning at Middle Tennessee Electric, we furnish them a folder which has the above-pictured materials in it plus many others to give them ideas they might want to incorporate in their own plans. Then, we use these in planning with the family themselves as we work with them.

We have come to associate the month of February with the general theme of Love. From "Apples Of Gold", by Jo Petty, I copied this excerpt:

"Scientists know only what love does. Love, properly applied, could virtually empty our asylums, our prisons, our hospitals. Love is the touchstone of psychiatric treatment. Love can be fostered, extended, used to subjugate hate and thus cure diseases. More and more clearly every day, out of biology, anthropology, sociology, history, economics, psychology, the plain common sense, the necessary mandate of survival — that we love our neighbors as ourselves — is being confirmed and reaffirmed. Christ gave us only one commandment — Love. . . "



Mrs. James E. Mobley and daughter Melissa, who live at 407 Estes St. in Palmer Subdivision, Murfreesboro, are standing in front of the appliance center to the left of the refrigerator-freezer. There are 2 double convenience outlets in this appliance center, which is lighted and has double doors to hide appliances when not in use.

On the lower right of the picture you see the peninsula in this kitchen which has an electric grill and surface units under a double hood.

This blue kitchen is in the Gold Medallion home which was shown the past summer in the Parade of Homes by Murfreesboro Home Builders Association.



Mrs. Wayne Belt, Ringwald Rd., Route 5, Murfreesboro, is shown dropping a bottle in her Trash Compactor. Mrs. Belt's Dishwasher and Clean-Up Center includes a double sink with a garbage disposer, as well as the dishwasher and trash compactor.

Mrs. Belt calls this her picturebook kitchen. She got the idea for the colors from a picture in a magazine. Her cabinets are painted medium blue, her appliances are harvest gold, and the wallpaper combines the colors very satisfactorily. She has good natural lighting, as well as artificial lighting. Notice her well-lighted planning desk.

Mr. and Mrs. Belt planned the remodeling of this whole house, with a little help from Middle Tennessee Electric.

HATS OFF TO THE "HANDS-ON" PROGRAM

By John Stanford

How can an elementary school child better master the arts of math and language?

The answer: by taking courses in cooking, sewing, weaving, office machines, printing, electricity, leather, woodworking, metals and ceramics.

Whether you do or don't agree with this theory is a personal matter but a program now in full execution for all grades from kindergarten through the eighth grades in Covington, Tennessee city schools is giving highly convincing proof that there is a very strong relationship in the learning of math and language arts and the practical, "on hands" learning of the ten above-mentioned skills.

The course for the Covington elementary students is appropriately named Practical Arts and it is one of the pilot programs of its kind in Tennessee and the United States. Many more similar programs are almost certain to follow.

The Practical Arts program is for ALL elementary pupils in Covington and is NOT classified as a vocational subject.

The principal theory of the Practical Arts program is that a child can better understand what "three tablespoons" or "3½-inches" or "double stitching" that he or she reads about in the classroom mean when they are applied in a practical, "hands-on" manner in the Practical Arts multi-purpose lab.

The student's language arts are also improved expression-wise and vocabulary-wise when asked to explain what he or she plans to do or has completed doing in the lab session.

The Practical Arts program at Covington is funded by the State Department of Education, the funds, \$65,000 for 1972-73, going primarily for salaries for a Teacher-Coordinator, Clayton Haynes, who holds a Masters Degree in Elementary Guidance, three Practical Arts teachers, a secretary, equipment and supplies.

At Frazier Elementary School, which contains grades kindergarten through four, the Practical Arts activities are carried on in classrooms under the direction of the classroom teacher with one of the three teachers from the multi-purpose lab (at Covington Grammar School) spending one week each on a rotating basis at that school. Portable workbenches containing tools, hot plates, electric skillets, portable ovens, utility carts with utensils and other materials are located at six sites in the school for class use. Activities in this school vary in length and are natural outgrowths of projects and skills that an individual classroom undertakes.

The Coordinator spends one period every four weeks with each of the 23 classrooms (550 pupils) at Frazier and with the 17 classrooms (550 students) at Covington Grammar. During this time they work on career education activities.

At Covington Grammar School — grades 5-8 — all 17 classroom groups come to the multi-purpose lab for one 90-minute period per week. All classrooms are heterogeneously grouped to contain a range in achievement, both boys and girls, and a racial ratio which approximates the racial ratio for that grade level. Over-all, the grouping seeks to be so comprised that the children can learn from and teach each other. The

Language Arts teacher accompanies and works with her group during Practical Arts. The Practical Arts teachers plan with the Language Arts and Math teachers so that activities will involve skills that they are working on in these classes. Each group has from 25 to 30 children. They can work in groups of from 2 to 6 children in any of the ten areas mentioned at the first of this story plus candlemaking, welding, decorative crafts and needlework.

Many activities involve working in several areas. At the first part of each period, students plan their activities by completing a brief written plan of work. At the conclusion of a project (which might take one or more 90-minute periods) the students prepare an evaluation of their work. This can be a written evaluation, a taped evaluation or a short oral report to their class group. Often this evaluation includes asking fellow class members to look at or taste, as the case might be, their finished products in order to help judging results. The Language Arts teachers use Practical Arts activities for a basis for further discussion in their classrooms. The Math teachers work in the multi-purpose labs with the children one or two periods per week and also follow up with classroom activities.

Many local companies and individuals cooperate with the Practical Arts program by donating or selling at cost such items as food, lumber and other necessary supplies. The Southwest Tennessee Electric Membership Corporation along with the Covington Electric System have donated the electric range and refrigerator used by the program.

Superintendent of Covington City Schools is John B. Gulley. Mrs. Jane Dennis is Supervisor of Instruction while Principals of the two participating elementary schools are Hyatt Williams, Covington Grammar School and Raymond Newbill, Frazier Elementary School.



The Practical Arts' multi-purpose lab is located in the ground-level area of Covington Grammar School. It is an open space area formerly the site of two class rooms and a hallway. Students work in groups of from 2 to 6.



Boys will be boys, and that doesn't preclude a little knowledge on how to cook which, from their expressions, these two youngsters appear to be enjoying.



Girls at left work together on electric sewing machine project while at right a teacher help youngster with hand sewing. There are a dozen or more projects on which children can work and there is always at least one teacher available for any given project.



Coordinator Clayton Haynes (center) discusses Practical Arts activities with, from left to right, Teacher Gordon Stone, Teacher Dianne Stone, Hubert Williams, Manager of Power Use for Southwest Tennessee Electric Membership Corporation, and Teacher Joyce Gaines, a Home Economist. Southwest Tennessee Electric has contributed electric appliances and works closely with the Practical Arts program.



Coordinator Haynes gives some helpful instructions on students involved in leather and wood projects.



Before or after (sometimes both) each 90-minute session in Practical Arts, one of the teachers goes over day's plans or hears summaries from the students. Performing this task here is Gordon Stone, far left.

Festival Of Arts & Crafts - Another First On Mystery Lake

*Story by Eugenia Jetton, Ass't. Home Economist.
Pictures by Floyd Roberts, Electrification Advisor
Gibson County Electric Membership Corporation.*



Mrs. Alf Haynes, president of the Reelfoot Arts & Crafts Association and composer of many songs depicting the legend of Reelfoot Lake, poses in front of a hand-woven fisherman's net.

Nestled in the northwestern corner of our great state is a Lake of Mystery. The wonder lake of Tennessee was formed during the famous New Madrid earthquake which shook large sections of the United States at intervals from December 16, 1811, to February 1812. As the earth heaved and trembled, a large area of land on the east side of the mighty Mississippi River dropped into an underground abyss forming the largest lake south of the Ohio River. This is the only time in history the Mississippi reversed its flow backwards toward Cairo, Illinois. As the land mass settled, the churning waters rushed back to fill the yawning chasm and the mystery lake was formed.

The legend is that this now peaceful lake was so named Reelfoot after the Chickasaw chief who was born with a club foot which caused him to walk with a reeling motion. Because of this he was called "Kalopin" which in Chickasaw language means Reelfoot.

In his search of a bride, Kalopin beheld the beautiful Indian maiden,

Laughing Eyes, daughter of the Choctaw Chief Copiah. Despite Reelfoot's offer of many gifts, Copiah would not allow his daughter to marry a cripple and warned of a catastrophe if Reelfoot took Laughing Eyes from the land of the Choctaws. Reelfoot desired the lovely maiden more than he feared the warning. In the early winter he and his warriors kidnaped the girl of his dreams, taking her north to the land of Reelfoot.

It is believed the "Great Spirit" stomped his foot in anger during the wedding feast, causing a great chasm to open. The "Father of Waters" answered with the rushing of mighty waters filling this gorge. Chief Reelfoot and Princess Laughing Eyes lay at the bottom of the now tranquil lake.

Once the mighty forest which was the home of the great Chickasaw nation, Reelfoot Lake is now girded by hundreds of giant cypress trees. What better setting could be found for the first Reelfoot Arts and Crafts Festival? The five-day festival began on November 1,

1972, and was held on the banks of the "Earthquake Lake" in the Armory and American Legion buildings.

The ideas for this festival were conceived several years ago but only became a reality last fall through the cooperation of many residents of Lake County. "It was a dream come true," says Mrs. Alf Haynes, acting president of the Reelfoot Arts & Crafts Association. Its purpose was to bring creative people together to share their ideas and to help craftsmen find a market for their wares. Other prime objectives were to bring interested people to Reelfoot Lake and to build the economy of the lake during periods other than at the tourist time.

Many of the residents around the lake are a rare breed, self-sufficient and enjoying their freedom. Among them are craftsmen who practice a trade or handicraft which requires manual dexterity or artistic skill. This first Arts & Crafts Festival brought together forty-six (46) exhibitors from the lake area, as well as adjoining Tennessee counties and states to display and sell their crafts. Buyers and exhibitors came from states ranging from Wisconsin to Louisiana.

Most of those showing their crafts were retired people with hobbies. Yet age and experience was no barrier in this festival for the exhibitors ranged from the tender age of ten to that of grandparents and from amateurs to professionals. Each person attending the festival felt the radiant excitement which prevailed among the exhibitors. This feeling was radiated through statements such as "You name it — We'll try it." "I only do those things which I enjoy doing" and "We have a ball making crafts."

One of the participants enjoys his hobby of "making something out of nothing" while another uses native soybeans grown on her farm in the construction of some of her crafts. One artist uses driftwood from the shores of the lake on which to create beautiful paintings; yet another enjoys extensive travel made possible through the sale of her art. All of these people receive many hours of happiness and pleasure as well as monetary gains from their crafts.

Exhibits were in the areas of knitting, crocheting, needlework, ceramics, nut, wood, leather and egg crafts, as well as candle making, copper enameling,

antiques and dried flowers. Viewers were amazed as they watched exhibitors using paint brushes, sculpturing, framing, knitting, and shaping at the potter's wheel.

Events included in the festival to be enjoyed by exhibitors and visitors were a reception, football game, horse show, square dance exhibition by eight fleet-footed teenage couples, and a tour of some of the outstanding homes in the Reelfoot Lake area.

One of the highlights of the Festival was the Dyersburg State Community College choral group presenting a musical program. The music and vocal selections such as "Lake of Mystery," "Land of Cypress Trees," and "Love Song" naturally depicted the legend of Reelfoot Lake. Composer of these songs was none other than Mrs. Alf Haynes, a native of Tiptonville.

The Reelfoot Arts & Crafts Association composed of Mrs. Haynes, Mr. Ellis Truett, Mr. Richard Jones, Miss Beth Coats, Mrs. Katherine Downs, Mrs. Gordon Burrus, Miss Patricia Clifton, Mr. Willard Hern, Mrs. Eldon Fisher, Mrs. Louise Nicholas, and Mrs. Evans Terret were very pleased with this Reelfoot beginning. Not only did \$5,000 in money and crafts exchange hands, but exhibitors were able to contact buyers whom they can supply with crafts throughout the year. Some artists who participated in the Festival have since been employed in teaching positions. This festival is proving to be a morale builder and has given many people a new outlook on life and something to work for in this new year.

Summing up the first Reelfoot Arts & Crafts Festival was an enthusiastic Louisiana buyer when she said, "I'll be back in 1973!"



Miss Patricia Clifton, Ridgely sculptress, demonstrates her artistic ability at the Arts & Crafts Festival.



Stuffed animals of all kinds made by Mr. and Mrs. Claude Witherspoon of Kenton, Tennessee, were admired and purchased by many attending the Festival.



Shown in the Reelfoot Rural Ministry booth at the Arts & Crafts Festival are Miss Beth Coats, exhibitor of knitting; Mrs. Catherine Beatty, buyer for her Country Klutter Shop in Covington, Louisiana; Mrs. Easton Eebo of the Chickasaw Jr. Women's Club of Tiptonville; and Mrs. Artie Tipton of Tiptonville.



Mrs. Peggy Burrus of Tiptonville paints in the midst of her art display at the Arts & Crafts Festival.



H.G. Gangwer, Sr.

WHEREAS, Monroe County and the state of Tennessee lost one of its outstanding citizens on November 26, 1972 when Horton G. Gangwer, Sr. died at the age of 66; and

WHEREAS, Horton G. Gangwer, Sr., the only child of Robert Troy and Ethel Akers Gangwer, was born March 22, 1906 in Mulberry, Indiana; was educated in the Chattanooga schools, and studied mechanical engineering at the University of Tennessee from 1924 until 1928; and

WHEREAS, Mr. Gangwer, known as "Gang" by his associates, was known and respected in his community as a church, business and civic leader; and

WHEREAS, As a layman, Mr. Gangwer was an active member in the Madisonville Presbyterian Church, having served as an elder and clerk of the Session; and

WHEREAS, As General Manager of the Fort Loudoun Electric Cooperative, he guided it for twenty-eight years in a growth from 2,000 to 9,450 members and in an expansion of service from 50 miles of line to 1,404 miles; and

WHEREAS, As a civic leader, he was a member of the Monroe County Community Action Committee, charter member of the Madisonville Lions Club, Secretary of the Tellico Area Planning Council, charter

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A RESOLUTION

to the memory of the
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of Monroe County.

member and President-Director of the Monroe County Industrial Development Association, chairman of Monroe Development Corporation, member of Monroe County Committee for Industry; and

WHEREAS, In his forty-four year career in the retail electric service, he became active in professional associations and served as Vice-President and Director of the Tennessee Valley Public Power Association; President and Trustee of the Tennessee Rural Electric Cooperative Association; Chairman of the Committee on Training and Safety, and the Committee on Power Contracts, and member of the Legislative, Tax, Management, Advisory, and Publications Committees of the Tennessee Electric Cooperative Association; member of the National Rural Electric Cooperative Association; life member of the Eastern Division Power Distributors Association; and member of the Board of Directors of Central Service Association; and

WHEREAS, As a businessman, he served as advisory director of the Sweetwater Valley Bank and Director of its Madisonville Branch, and as a member of the Blount County Chamber of Commerce and its Industrial Committee; and

WHEREAS, In 1970, he was named

Monroe County Man of the Year by the Madisonville Kiwanis Club; and

WHEREAS, Horton G. Gangwer, Sr., personified the ideal of the public servant — a man of knowledge, ability and dedication to the improvement and progress of his fellow man, his community, his county and his state; and

WHEREAS, Mr. Gangwer was devoted to his wife, the former Thelma Elizabeth Chapin; and to their children, Mrs. Ethel Winner Mrs. Mary Sue Hayes; Horton G. Gangwer, Jr.; and the late Mrs. Catherine Grovenstein; and to their eight grandchildren; now, therefore,

BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES OF THE 88TH GENERAL ASSEMBLY, THE SENATE CONCURRING, That we express our profound sorrow at the loss of this good man and public-spirited citizen and extend our deepest sympathies to the family of Horton G. Gangwer, Sr.

BE IT FURTHER RESOLVED, That five (5) copies of this resolution be made and forwarded to Mrs. Horton G. Gangwer, Sr. and a copy to the Fort Loudoun Electric Cooperative.

(Resolution was sponsored by Representatives Bill Watson, Fred Huffstetler and Benny Stafford.)

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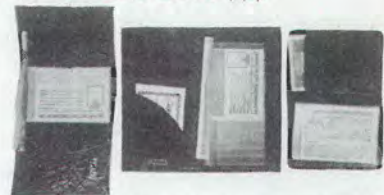


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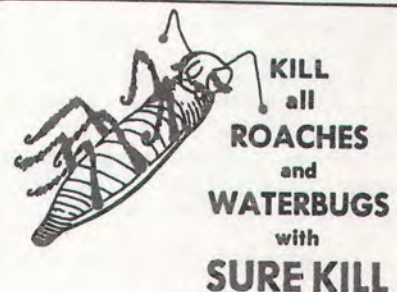
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Lending Changes

(Continued from page 10)

Management and Budget abolishes REA for all practical purposes. It also could very well mean disaster for every Electric Cooperative and prospects of rates beyond the ability of the average rural citizen to pay.

If permitted to stand, Mr. Ash and the Administration will by fiat accomplish what the Congress has refused to permit the enemies of rural electrification to do over many years.



Shortly after the change-in-interest announcement from the U.S. Department of Agriculture, this action planning group met in Nashville at the Headquarters office of the Tennessee Electric Cooperative Association on call of TECA's Executive Manager, J.C. Hundley. Going around the table clockwise, beginning at extreme left at desk, are J.C. Hundley; James C. Milton, Manager of Gibson County E.M.C., Trenton and President of TECA; Paul Tidwell, Manager of Meriwether Lewis Electric Co-op, Centerville and former President of the National Rural Electric Cooperative Association; John Dolinger, Manager of Cumberland Electric Membership Corporation, Clarksville and Tennessee Director on the National Rural Electric Cooperative Association's Board of Directors; William Towers, Manager of Holston Electric Cooperative, Rogersville and former President of TECA; Nat Caldwell, Reporter for the NASHVILLE TENNESSEAN newspaper; and Tommy Walker, Director of Public Relations for TECA.

In singling out rural loan programs for abolition in the face of billions of outright giveaways to many including certain industries (such as Mr. Ash's Litton Industries), OMB displays utter contempt of rural America and for the U.S. Congress. It contradicts Secretary of Agriculture Butz's repeated promise of continued support of the REA lending program by the Administration. It has been reliably reported that the REA Administrator was not even given the courtesy of advance information concerning the arbitrary directive. Scuttling of 2 per cent REA loans abolishes the Pace Act, breaking faith with rural people and our electric

cooperatives which were encouraged to provide total area coverage with 2 per cent money regardless of risk or burden to encourage rural development for the ultimate benefit to all Americans.

This irresponsibility scuttles our Rural Electric Bank for all practical purposes which is new but already providing 40 per cent of loan needs by blending REA 2 per cent loan funds with open market capital. Our cooperatives have invested millions in the bank upon promise of support from the Congress. To upset this effort of our responsible

rural leaders to help themselves in an age of doles and grants, is outrageous.

The harsh, secretive action also ignores numerous existing loan contracts with REA, private banks, contractors, as well as the desperate need to upgrade rural services. It is almost unbelievable in face of the Administration's pre-election boast that it approved more REA loan funds than any previous Administration in history, while at the same time commending the Rural Electric Bank, which probably will be wrecked if the decree is allowed to stand.

Unless stopped by the Congress, it could very well result in a sellout or

giveaway of the best rural facilities to monopoly interests, leaving the non-profitable or marginal areas to be supported by more taxes — if rural America is to have power at rates people can afford. At best we see an imminent decline in rural service with higher rates, resulting in a decline in rural productivity and more migration to the troubled cities.

We urge you to call for an immediate Congressional investigation of this hatchet job upon REA and the other rural programs, including FHA disaster loans to the farmers who produce our food.

It remains to be seen whether or not the Congress of 1973 can and will effectively restore the covenant made between cooperative rural electrification and the Congress of 1944 whereby it became an honored agreement between the two that in exchange for 2-percent loans from Congress, the electric cooperatives would electrically serve all within their service areas who wanted the great blessing of electricity.

The electric co-ops have kept and are keeping their end of one of the greatest bargains ever made in behalf of rural and small town Americans.

Is now the time for this great covenant to be broken to the detriment of millions of Americans and in the name of economy — false or otherwise?

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- Spiraea Van Houttei—White, 1-2 ft. ----- 19 ea.
- Spiraea Reensiana, 1 to 2 ft. ----- 29 ea.
- Weigela—Red or Yellow, 1 to 2 ft. ----- 29 ea.
- Weigela—Var. or Pink, 1-2 ft. ----- 19 ea.
- Althea—Red or Purple, 1 to 2 ft. ----- 19 ea.
- Althea—Pink or White, 1 to 2 ft. ----- 19 ea.
- Forsythia—Yellow, 1 to 2 ft. ----- 19 ea.
- Pink Spirea, 1 to 2 ft. ----- 29 ea.
- Pink Flowering Almond, 1 to 2 ft. ----- 59 ea.
- Tamarix—Pink, 1 to 2 ft. ----- 29 ea.
- Bush Honeysuckle—Red, Pink, White, 1 to 2 ft. ----- 19 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 Fashioned Lilac, 1 to 2 ft. ----- 49 ea.
- Bridal Wreath Spirea, 1 to 2 ft. ----- 49 ea.
- Hydrangea P.G., 1 to 2 ft. ----- 29 ea.
- Oak Leaf Hydrangea, 1 to 2 ft. ----- 49 ea.
- Deutzia—White, 1 to 2 ft. ----- 19 ea.
- Deutzia—Pink, 1 to 2 ft. ----- 19 ea.
- Mockorange—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. ----- 29 ea.
- Pussy Willow, 1 to 2 ft. ----- 29 ea.
- Pussy Willow, 4 to 6 ft. ----- 69 ea.
- Russian Olive, 1 to 2 ft. ----- 39 ea.
- Russian Olive, 2 to 3 ft. ----- 89 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. ----- 19 ea.
- *Iris, Anthony Waters—Red, 1 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. ----- 29 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.
- *Rose Acacia, 1 ft. ----- 39 ea.
- Red Chokeberry, 1 to 2 ft. ----- 29 ea.
- *Black Chokeberry, 1 to 2 ft. ----- 29 ea.
- Hydrangea Arborea—1 to 2 ft. ----- 29 ea.
- Spice Bush, 1 to 2 ft. ----- 29 ea.
- Winter Honeysuckle, 1 to 2 ft. ----- 29 ea.
- Arrowwood Viburnum, 1/2 to 1 ft. ----- 39 ea.
- Witchhazel, 1 to 2 ft. ----- 39 ea.
- *American Elder, 1 to 2 ft. ----- 39 ea.
- *Opossum Haw, 1 to 2 ft. ----- 98 ea.
- False Indigo—Purple, 1 to 2 ft. ----- 29 ea.
- Burning Bush, 1 to 2 ft. ----- 98 ea.
- Flowering Pomegranate, 1/2-1 ft. ----- 79 ea.

FLOWERING TREES—1 or 2 Years Old

- Magnolia Grandiflora, 1/2 to 1 ft. ----- \$5.99 ea.
- Magnolia Niagara, 1 to 2 ft. ----- 1.39 ea.
- Magnolia Rustica Rubra, 1 to 2 ft. ----- 1.49 ea.
- Mimosa—Pink, 2 ft. ----- 49 ea.
- Mimosa—Pink, 3 to 4 ft. ----- 29 ea.
- Mimosa—Pink, 4 to 6 ft. ----- 89 ea.
- Mimosa—Pink, 3 to 4 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. ----- 1.29 ea.
- Pink Flowering Dogwood, 1 ft. ----- 1.29 ea.
- Pink Flowering Dogwood, 2 ft. ----- 1.98 ea.
- Pink Flowering Dogwood, 3 to 5 ft. ----- 3.98 ea.
- Golden Raintree, 3 to 4 ft. ----- 2.49 ea.
- Golden Chain Tree, 1 to 2 ft. ----- 79 ea.
- Smoke Tree, 1 to 2 ft. ----- 1.49 ea.
- Purple Leaf Plum, 1 to 2 ft. ----- 59 ea.
- Purple Leaf Plum, 2 to 3 ft. ----- 89 ea.
- Purple Leaf Plum, 4 to 6 ft. ----- 1.98 ea.
- Flowering Peach—Red or Pink, 1 to 2 ft. ----- 59 ea.
- 2 to 3 ft. ----- 2.49 ea.
- 3 to 5 ft. ----- 4.49 ea.
- Peppermint Flower, Peach, 2 1/2-4 ft. ----- 89 ea.
- DiL. Pink Flowering Cherry, 3-5 ft. ----- 3.98 ea.
- Flowering Crab—Red or Pink, 2 to 3 ft. ----- 98 ea.
- 4 to 6 ft. ----- 1.98 ea.
- Chinese Red Bud, 1 to 2 ft. ----- 49 ea.
- *Tree of Heaven, 3 to 5 ft. ----- 98 ea.
- Dwarf Red Buckeye, 1/2 to 1 ft. ----- 69 ea.
- Magnolia Soulangiana, 1 to 2 ft. ----- 1.39 ea.
- Weeping Peach—Red or Pink, 1 ft. ----- 89 ea.
- Weeping Peach, Red or Pink, 2-3 ft. ----- 1.29 ea.
- White Flowering Peach, 2 to 3 ft. ----- 89 ea.

- White Fringe, 2 to 3 ft. ----- 1.29 ea.
- Japanese Flow. Cherry, 3 to 5 ft. ----- 3.98 ea.
- European Mountain Ash, 3 to 4 ft. ----- 2.49 ea.
- Paul's Scarlet Hawthorn—Red Blooms, 3 to 5 ft. ----- 4.49 ea.
- *Big Leaf Cucumber, 3 to 4 ft. ----- 1.69 ea.
- *Paw Paw, 3 to 5 ft. ----- 1.29 ea.
- *Sourwood, 2 to 3 ft. ----- 98 ea.
- Yellow Buckeye, 1 to 2 ft. ----- 79 ea.
- Downy Hawthorn, 1/2 to 1 ft. ----- 59 ea.
- Dwarf White Buckeye, 1/2 to 1 ft. ----- 98 ea.
- Red Flowering Dogwood, 1 ft. ----- 1.49 ea.
- Red Flowering Dogwood, 2 ft. ----- 2.49 ea.
- Red Flowering Dogwood, 3 to 4 ft. ----- 3.98 ea.
- 5-N-1 Flowering Crab, 3 ft. ----- 3.98 ea.
- Red Leaf Peach, 2 to 3 ft. ----- 98 ea.

SHADE TREES—1 or 2 Years Old

- Shade Tree, 3 to 4 ft. ----- 89 ea.
- Silver Maple, 4 to 6 ft. ----- 79 ea.
- Chinese Elm, 2 ft. 19 ea.; 3-4 ft. ----- 39 ea.
- Chinese Elm, 4 to 6 ft. ----- 79 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, 3 to 5 ft. ----- 2.98 ea.
- Pin Oak or Red Oak, 2 ft. ----- 79 ea.
- Pin Oak or Red Oak, 3 to 5 ft. ----- 1.29 ea.
- Willow Oak or Scarlet Oak, 2 ft. ----- 79 ea.
- Willow Oak or Scarlet Oak, 3-5 ft. ----- 1.29 ea.
- Lombardy Poplar, 1 to 2 ft. ----- .06 ea.
- Lombardy Poplar, 2 to 3 ft. ----- 10 ea.
- Lombardy Poplar, 3 to 4 ft. ----- 19 ea.
- Lombardy Poplar, 4 to 6 ft. ----- 29 ea.
- Fasson Red Leaf Maple, 3-5 ft. ----- 4.49 ea.
- Sycamore, 3 to 4 ft. ----- 49 ea.
- Sycamore, 4 to 5 ft. ----- 89 ea.
- *Sugar Maple, 2 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. ----- 89 ea.
- White Birch, 4 to 6 ft. ----- 1.98 ea.
- Tulip Tree, 2 to 3 ft. ----- 29 ea.
- *Tulip Tree, 3 to 4 ft. ----- 49 ea.
- Crimson King Maple (Pat. No. 735), 1 to 2 ft. ----- 4.49 ea.
- 3 to 5 ft. ----- 4.95 ea.
- Sunburst Locust (Pat. No. 1313), 3 to 5 ft. ----- 4.95 ea.
- Cut Leaf Weeping Birch, 3 to 5 ft. ----- 4.49 ea.
- Silver Variegated Maple, 3 to 5 ft. ----- 4.49 ea.
- Schwedler Maple, 3 to 5 ft. ----- 4.49 ea.
- *Yellow Wood, 2 to 3 ft. ----- 98 ea.
- Canoe Birch, 3 to 4 ft. ----- 4.49 ea.
- White Ash, 3 to 4 ft. ----- 29 ea.
- Green Ash, 3 to 4 ft. ----- 29 ea.
- Persimmon, 1 to 2 ft. ----- 69 ea.
- Dawn Redwood, 1 to 2 ft. ----- 2.49 ea.
- Honey Locust, 3 to 4 ft. ----- 3.98 ea.
- Morain Locust, 4 to 5 ft. ----- 4.98 ea.
- Kentucky Coffee Tree, 1/2 to 1 ft. ----- 49 ea.
- *American Linden Tree, 2 ft. ----- 89 ea.
- *American Linden Tree, 3 to 5 ft. ----- 1.29 ea.
- Skylark Locust (Pat. No. 1619), 3 to 4 ft. ----- 4.98 ea.
- Sassafras, 1 to 2 ft. ----- 29 ea.
- Sassafras, 2 to 3 ft. ----- 49 ea.
- *Scarlet Maple, 4 to 5 ft. ----- 4.49 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. ----- 2.49 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, 2 to 3 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. ----- 4.49 ea.
- Belle of Georgia Peach, 2 to 3 ft. ----- 79 ea.
- Belle of Georgia Peach, 3 to 5 ft. ----- 1.19 ea.
- Elberta Peach, 1 to 2 ft. ----- 49 ea.
- Elberta Peach, 2 to 3 ft. ----- 79 ea.
- Elberta Peach, 3 to 5 ft. ----- 1.19 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. ----- 1.19 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. ----- 1.19 ea.
- Dixie Red Peach, 1 to 2 ft. ----- 29 ea.
- Dixie Red Peach, 2 to 3 ft. ----- 49 ea.
- Dixie Red Peach, 3 to 5 ft. ----- 1.19 ea.
- Golden Jubilee Peach, 1 to 2 ft. ----- 49 ea.
- Golden Jubilee Peach, 2 to 3 ft. ----- 79 ea.

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Cl. Pink Radiance
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Rose Bushes: 2 yr. field grown blooming size bushes. All monthly bloomers in these varieties. 49¢ each. Prices on Rose Bushes: 49¢ each, 6 for \$2.89—12 for \$5.69, your choice of varieties.

- Golden Jubilee Peach, 3 to 5 ft. ----- 1.19 ea.
- Champion Peach, 1 to 2 ft. ----- 49 ea.
- Champion Peach, 2 to 3 ft. ----- 79 ea.
- Champion Peach, 3 to 5 ft. ----- 1.19 ea.
- Maygold Peach, 1 to 2 ft. ----- 49 ea.
- Maygold Peach, 2 to 3 ft. ----- 79 ea.
- Maygold Peach, 3 to 5 ft. ----- 1.19 ea.
- Blake Peach, 1 to 2 ft. ----- 49 ea.
- Blake Peach, 2 to 3 ft. ----- 79 ea.
- Blake Peach, 3 to 5 ft. ----- 1.19 ea.
- Slayman Winesap Apple, 2 to 3 ft. ----- 89 ea.
- Slayman Winesap Apple, 4 to 6 ft. ----- 1.49 ea.
- Red Delicious Apple, 2 to 3 ft. ----- 89 ea.
- Red Delicious Apple, 4 to 6 ft. ----- 1.49 ea.
- Early Harvest Apple, 2 to 3 ft. ----- 89 ea.
- Early Harvest Apple, 4 to 6 ft. ----- 1.49 ea.
- Red Rome Beauty Apple, 2 to 3 ft. ----- 89 ea.
- Red Rome Beauty Apple, 4 to 6 ft. ----- 1.49 ea.
- Red Jonathan Apple, 2 to 3 ft. ----- 89 ea.
- Red Jonathan Apple, 4 to 6 ft. ----- 1.49 ea.
- Lodi Apple, 2 to 3 ft. ----- 89 ea.
- Lodi Apple, 4 to 6 ft. ----- 1.49 ea.
- Grimes Golden Apple, 2 to 3 ft. ----- 89 ea.
- Grimes Golden Apple, 4 to 6 ft. ----- 1.49 ea.
- Yellow Transparent Apple, 2-3 ft. ----- 89 ea.
- Yellow Transparent Apple, 4-6 ft. ----- 1.49 ea.
- Yellow Delicious Apple, 2 to 3 ft. ----- 89 ea.
- Yellow Delicious Apple, 4 to 6 ft. ----- 1.49 ea.
- Early McIntosh Apple, 2 to 3 ft. ----- 89 ea.
- Early McIntosh Apple, 4 to 6 ft. ----- 1.49 ea.
- 5-N-1 Apples—3 Varieties on each tree, 3 ft. ----- 3.98 ea.
- Montmorency Cherry, 2 to 3 ft. ----- 1.49 ea.
- Montmorency Cherry, 4 to 5 ft. ----- 2.98 ea.
- Black Tartarian Cherry, 2 to 3 ft. ----- 1.69 ea.
- Black Tartarian Cherry, 4 to 5 ft. ----- 2.98 ea.
- Early Richmond Cherry, 2 to 3 ft. ----- 1.69 ea.
- Early Richmond Cherry, 4 to 5 ft. ----- 2.98 ea.
- Kieffer Pear, 2 to 3 ft. ----- 1.49 ea.
- Kieffer Pear, 3 1/2 to 5 ft. ----- 1.98 ea.
- Orient Pear, 2 to 3 ft. ----- 1.49 ea.
- Orient Pear, 3 1/2 to 5 ft. ----- 1.98 ea.
- Bartlett Pear, 2 to 3 ft. ----- 1.49 ea.
- Bartlett Pear, 3 1/2 to 5 ft. ----- 1.98 ea.
- Moopart Apricot, 1 to 2 ft. ----- 69 ea.
- Moopart Apricot, 2 to 3 ft. ----- 98 ea.
- Early Golden Apricot, 1 to 2 ft. ----- 69 ea.
- Early Golden Apricot, 2 to 3 ft. ----- 98 ea.
- Nectarine, 1 to 2 ft. ----- 59 ea.
- Nectarine, 2 1/2 to 4 ft. ----- 98 ea.
- Damson Plum, 1 to 2 ft. ----- 59 ea.
- Orient Pear, 3 1/2 to 5 ft. ----- 1.98 ea.
- Red June Plum, 1 to 2 ft. ----- 98 ea.
- Red June Plum, 2 1/2 to 4 ft. ----- 98 ea.
- Bruce Plum, 1 to 2 ft. ----- 59 ea.
- Bruce Plum, 2 1/2 to 4 ft. ----- 98 ea.
- Methley Plum, 1 to 2 ft. ----- 59 ea.
- Methley Plum, 2 1/2 to 4 ft. ----- 98 ea.
- Burbank Plum, 1 to 2 ft. ----- 59 ea.
- Burbank Plum, 2 1/2 to 4 ft. ----- 98 ea.

NUT TREES—1 or 2 Years Old

- Hazel Nut, 1 to 2 ft. ----- \$7.99 ea.
- Hazel Nut, 3 to 5 ft. ----- 1.98 ea.
- Butternut, 1 to 2 ft. ----- 49 ea.
- Butternut, 3 to 4 ft. ----- 1.49 ea.
- Chinese Chestnut, 1 to 2 ft. ----- 69 ea.
- Chinese Chestnut, 3 to 5 ft. ----- 1.49 ea.
- Hazel Pecan Seedlings, 1 to 2 ft. ----- 79 ea.
- Stuart Pecan—Papershell, 2 ft. ----- 2.98 ea.
- Stuart Pecan—Papershell, 3 1/2-5 ft. ----- 4.49 ea.
- Mahan Pecan—Papershell, 2 ft. ----- 2.98 ea.
- Mahan Pecan—Papershell, 3 1/2-5 ft. ----- 4.49 ea.
- Black Walnut, 1 to 2 ft. ----- 39 ea.
- Black Walnut, 3 to 5 ft. ----- 89 ea.
- English Walnut, 2 to 3 ft. ----- 3.98 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. ----- \$2.99 ea.
- *American Holly, 1/2 to 1 ft. ----- 29 ea.
- *Rhododendron, 1/2 to 1 ft. ----- 49 ea.
- Pfitzer Juniper, 1/2 to 1 ft. ----- 69 ea.
- Cherry Laurel, 1/2 to 1 ft. ----- 29 ea.
- Nandina, 1/2 to 1 ft. ----- 49 ea.
- Boxwood, 1/2 to 1 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.
- Wax Leaf Ligustrum, 1/2 to 1 ft. ----- 39 ea.
- Colorado Blue Spruce, 1/2 to 1 ft. ----- 39 ea.
- *Mountain Laurel, 1/2 to 1 ft. ----- 29 ea.
- *Canadian Hemlock, 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.
- Eastar Holly, 1/2 to 1 ft. ----- 69 ea.
- Helleri Holly, 1/2 to 1 ft. ----- 69 ea.
- East Palatka Holly, 1/2 to 1 ft. ----- 59 ea.
- Chinese 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. ----- 79 ea.
- Baker Arborvitae, 1/2 to 1 ft. ----- 59 ea.
- Berkman's 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 Mannhattan, 1/2 to 1 ft. ----- 19 ea.
- Euonymus Pulchellus, 1/2 to 1 ft. ----- 49 ea.
- Euonymus Dupont, 1/2 to 1 ft. ----- 39 ea.
- *White Pine, 1 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.
- W. stern Yellow Pine, 3 to 5 inch ----- 19 ea.
- White Spruce, 1/2 to 1 ft. ----- 29 ea.
- Seybain 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 Fruitlandi, 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.
- Yupo Holly, 1/2 to 1 ft. ----- 49 ea.
- Mahonia Bell, 3 to 5 inch ----- 49 ea.
- Gray Carpet Ground Cover, 3-5 inch ----- 98 ea.
- Blue Rug Ground Cover, 3 to 5 inch ----- 98 ea.

DWARF FRUIT TREES—1 or 2 Years Old

- Dwarf Elberta Peach, 2 to 3 ft. ----- \$2.29 ea.
- Dwarf Elberta Peach, 4 to 5 ft. ----- 3.98 ea.
- Dwarf Red Haven Peach, 2 to 3 ft. ----- 3.29 ea.
- Dwarf Red Haven Peach, 4 to 5 ft. ----- 3.98 ea.
- Dwarf Belle of Georgia Peach, 2-3 ----- 2.29 ea.
- Dwarf Belle of Georgia Peach, 4-5 ft. ----- 3.98 ea.
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- Dwarf Lodi Apple, 4 to 5 ft. ----- 3.98 ea.
- Dwarf Cortland Apple, 2 to 3 ft. ----- 3.98 ea.
- Dwarf Cortland Apple, 4 to 5 ft. ----- 3.98 ea.
- Dwarf Northern Spy Apple, 2-3 ft. ----- 2.29 ea.
- Dwarf Northern Spy Apple, 4-5 ft. ----- 3.98 ea.
- Dwarf Yellow Transparent Apple 2-3 ----- 2.29 ea.
- Dwarf Yellow Transparent Apple, 4-5 ----- 3.98 ea.
- Dwarf Montmorency Cherry, 2-3 ft. ----- 2.49 ea.
- Dwarf North Star Cherry, 2-3 ft. ----- 2.49 ea.
- Dwarf Bartlett Pear, 2 to 3 ft. ----- 2.49 ea.
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VINES—1 or 2 Years Old

- Red Scarlet Honeysuckle, 1 to 2 ft. ----- \$2.99 ea.
- Wisteria—Purple, 1/2 to 1 ft. ----- 29 ea.
- Bittersweet, 1 ft. ----- 29 ea.

BERRY PLANTS, ETC.—1 or 2 Years Old

- Black Raspberry, 1/2 to 1 ft. ----- \$2.99 ea.

BULBS, AND PERENNIALS—1 or 2 Years Old

- 3 Pampas Grass—White Plumies ----- \$1.19
- 12 Hibiscus, Mallow Marvel in Mixed Colors ----- 1.19
- 8 Hollyhocks, Mixed Colors, Roots ----- 1.19
- 10 Cannas, Red, Pink, Yellow ----- 1.49
- 20 Iris—Blue or Purple ----- 1.39
- *20 Day Lilies, Roots, Orange Flowers ----- 1.19
- 8 Creeping Phlox, Pink, Blue, White and Red ----- 1.39
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- 8 Alyssum, Gold Dust ----- 1.19
- 8 Anthemis, Yellow ----- 1.19
- 8 Carnation, Red, Pink, or White ----- 1.19
- 8 Coreopsis, Sunburst Double ----- 1.19
- 8 Candytuft (Iberis), Semp. White ----- 1.19
- 8 Babysbreath, White ----- 1.19
- 8 Gaillardia, Red ----- 1.19
- 8 Blue Flax (Linum) ----- 1.19
- 8 Shasta Daisy, Alaska ----- 1.19
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- 8 Lupines, Mixed Colors ----- 1.19
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- 4 Clematis, Yellow ----- 1.19
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- 8 Fall Asters, Pink or Lavender ----- 1.19
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- 3 Liriope, Big Blue ----- 1.19
- 3 Liriope, Variegated ----- 1.19

BERRIES, FRUITS AND HEDGE—1 or 2 Years Old

- 10 Rhubarb, 1 year Roots ----- \$1.50
- 10 Asparagus, 1 year Roots ----- 1.00
- 25 Strawberry—Blakemore or Tenn. Beauty ----- 1.50
- 25 Gem Everbearing Strawberry ----- 1.50
- 100 South Privet, 1 to 2 ft. ----- 2.98
- 25 North Privet, 1 to 2 ft. ----- 2.49
- 25 California Privet, 1 to 2 ft. ----- 2.49
- 25 Multiflora Rose, 1 to 2 ft. ----- 2.49

NATIVE WILD FLOWERS—1 or 2 Years Old

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- 5 Lady's Slipper, Pink ----- \$1.19
- 6 Blood Root, White Flowers ----- 1.19
- 6 Dutchman Breches, Purple ----- 1.19
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- 3 Dogtooth Violet, Yellow ----- 1.19
- 20 Hardy Garden Violet, Blue ----- 1.19
- 3 Partridge Berry ----- 1.19
- 3 Passionflower ----- 1.19
- 6 Bird Foot Violet, Blue ----- 1.19
- 6 Trillium, Mixed Colors ----- 1.19
- 6 Blue Bells ----- 1.19
- 6 Maiden Hair Fern ----- 1.19
- 8 Hascyted Fern ----- 1.19
- 4 Cinnamon Fern ----- 1.19
- 3 Royal Fern ----- 1.19
- 6 White Violets ----- 1.19
- 6 Hepatica, Mixed Colors ----- 1.19
- 4 Solomon Seal, White ----- 1.19
- 3 Trailing Arbutus, Pink ----- 1.19
- 4 Sweet Williams, Pink ----- 1.19
- 4 Star Grass, White ----- 1.19
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- 6 May Apple, Flower ----- 1.19
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PUZZLE CORNER

The January Puzzle Corner drew about the same as December's (almost 400) but the number of correct answers in relation to the number of entries was considerably higher.

Last month's Puzzler related that a grocer buys two kinds of tea — one at 32¢ per pound and the other, a better quality at 40¢ per pound. He mixes together some of each, which he proposes to sell at 43¢ a pound and in so doing to make a profit of 25 per cent (25%) on the cost. The question: How many pounds of each kind must he use to make a mixture of one hundred (100) pounds weight?

The answer: 70 pounds of the 32¢ tea and 30 pounds of the 40¢ tea.

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: Carroll Marshall of Route 1, Russellville, Tennessee 37860, a member of Holston Electric Cooperative — \$10.

Second Place: Billy M. White of Crump, Tennessee 38327, a member of Pickwick Electric Cooperative — \$5.

Third Place: C.D. Gunter of Route 4, McMinnville, Tennessee 37110, a member of Caney Fork Electric Cooperative — \$5.

And now for the February Puzzle:

A grocer proposed to put up 20 pounds of coffee into two (2) pound packets, but his weights had been misplaced and he could only find the five (5) pound and the nine (9) pound weights. What is the best way for him to get the job done, using only the items mentioned above? (Hint: he can use either or both ends of the scales for the weights and/or the coffee. Only nine weighings are really necessary).

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

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THE TENNESSEE MAGAZINE
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