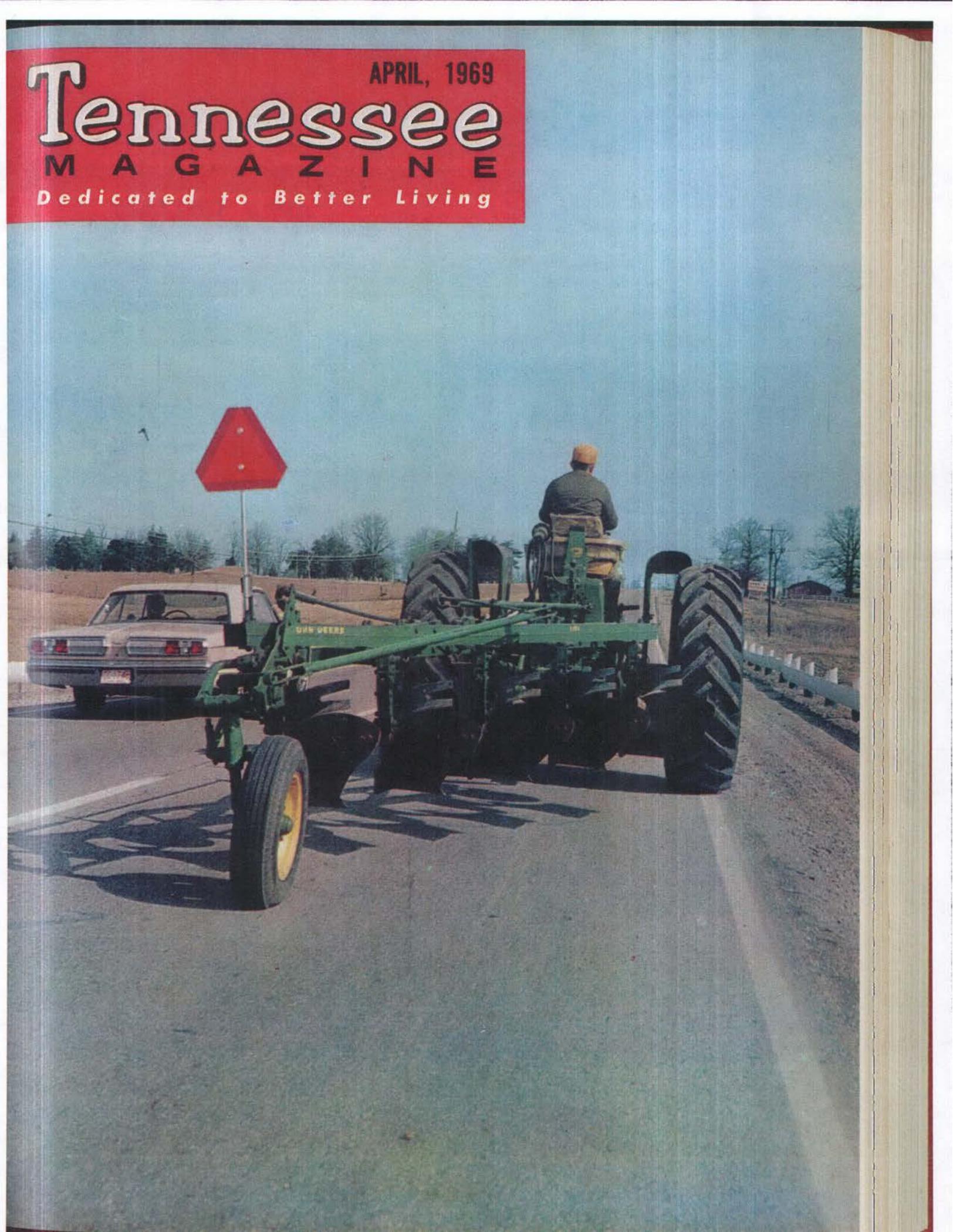


Tennessee

APRIL, 1969

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"OLD TIME SINGING CONVENTION"
12:05-12:30 PM—MON.-FRI.

"HEAVEN'S JUBILEE"
8:00-9:00 AM—SUNDAYS

JAKE HESS
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APRIL SPECIALS

TUE. 4/8—9:00-9:30 PM—WOODS 'N WATERS APRIL SPECIAL (c)
WED. 4/9—7:30-8:00 PM—JUNIOR PRO AWARDS BANQUET (REMOTE)
SAT. 4/12—4:00-5:00 PM—MASTERS GOLF TOURNAMENT (c)
SUN. 4/13—3:00-4:30 PM—MASTERS GOLF TOURNAMENT (c)
SUN. 4/13—6:30-7:00 PM—CHARLIE BROWN'S ALL STARS (c)
SUN. 4/13—7:00-8:00 PM—DICK VAN DYKE SPECIAL (c)
TUE. 4/15—6:30-7:30 PM—NATIONAL GEOGRAPHIC SPECIAL (c) "POLYNESIA"
WED. 4/16—6:30-8:00 PM—CINDERELLA (c)
MON. 4/21—9:00-10:00 PM—SPOON RIVER (c)
WED. 4/23—9:00-10:00 PM—THE JAPANESE (c)

DAYTIME

5:45-6:00 AM	Form News—Mon. thru Fri. (c)
6:00-6:30 AM	CBS Mom News
6:30-7:55 AM	Country Junction—Mon. thru Fri. (c)
6:00-7:00 AM	Sunrise Semester—Sunday (c)
6:30-7:00 AM	Sunrise Semester—Saturday (c)
7:00-7:30 AM	Go, Go Gopher—Saturday (c)
7:00-8:00 AM	Tom & Jerry/Aquamani—Sunday (c)
7:30-8:00 AM	Bugs Bunny—Saturday (c)
7:55-8:00 AM	Channel 5 Weather—Mon. thru Fri. (c)
8:00-9:00 AM	Captain Kangaroo—Mon. thru Fri. (c)
8:00-8:30 AM	Road Runner—Saturday (c)
8:00-9:00 AM	Heaven's Jubilee—Sunday (c)
8:30-9:00 AM	Wacky Races—Saturday (c)
9:00-10:00 AM	Mike Douglas Show—Mon. thru Fri. (c)
9:00-9:30 AM	Carl Tipton—Sunday (c)
9:00-9:30 AM	Archie Show—Saturday (c)
9:30-10:30 AM	Batman-Superman Hour—Saturday (c)
9:30-10:00 AM	Look Up and Live—Sunday (c)
10:00-10:30 AM	Andy of Mayberry—Mon. thru Fri.
10:00-10:30 AM	Camera Three—Sunday (c)
10:30-11:00 AM	Dick Van Dyke—Mon. thru Fri.
10:30-11:00 AM	Hercule Poirot—Saturday (c)
10:30-11:00 AM	Faith For Today—Sunday (c)
11:00-11:25 AM	Love of Life—Mon. thru Fri. (c)
11:00-11:30 AM	Prince of Peace—Sunday (c)
11:00-11:30 AM	Shazzan—Saturday (c)
11:25-11:30 AM	CBS News—Mon. thru Fri. (c)
11:30-12:00 N	Face the Nation—Sunday (c)
11:30-12:00 N	Search for Tomorrow—Mon. thru Fri. (c)
11:30-12:00 N	Popeye Show—Saturday
12:00-12:05 PM	Channel 5 News—Mon. thru Fri. (c)
12:00-12:30 PM	Moby Dick & The Mighty Mightors Saturday (c)
12:00-1:00 PM	TBA (Sun) (c)
12:05-12:30 PM	Singing Convention—Mon. thru Fri. (c)
12:30-1:00 PM	As The World Turns—Mon. thru Fri. (c)
12:30-1:00 PM	Lone Ranger—Saturday (c)
1:00-1:30 PM	Love Is a Many Splendored Thing—Mon. thru Fri. (c)
1:00-1:30 PM	TBA—Sunday (c)
1:00-1:30 PM	Jonny Quest—Saturday (c)
1:30-4:00 PM	National Hockey League—Sunday (c)
1:30-2:00 PM	Skippy—Saturday (c)
1:30-2:00 PM	The Guiding Light—Mon. thru Fri. (c)
2:00-2:30 PM	Secret Storm—Mon. thru Fri. (c)
2:00-2:30 PM	Championship Bowling—Saturday (c)
2:30-3:00 PM	Jean Claude Killy—Saturday (c)
2:30-3:00 PM	The Edge of Night—Mon. thru Fri. (c)
3:00-3:30 PM	Linkletter Show—Mon. thru Fri. (c)
3:00-4:00 PM	CBS Golf Classic—Saturday (c)
3:30-4:00 PM	Gilligan's Island—Mon. thru Fri.
4:00-5:00 PM	Turn On—Saturday (c)
4:00-5:30 PM	Big Show—Mon. thru Fri.
5:00-5:30 PM	All American College Show—Saturday (c)

EVENING

	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
5:30	Stan Hitchcock Show (c)	CBS Evening News (c) W. Cronkite	CBS Evening News (c) W. Cronkite	Roger Mudd News			
6	Lassie (c)	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Weekend Report News Weather Sports			
6:30	Gentle Ben (c)	Gunsmoke (c)	Lancer (c)	Glenn Campbell Good Time (c)	The Queen and I (c)	The Wild, Wild West (c)	Jackie Gleason Show (c)
7	Ed Sullivan Show (c)	Here's Lucy (c)	Red Skeleton Hour (c)	The Good Guys	Jonathan Winters Show (c)	Gomer Pyle (c)	My 3 Sons (c)
7:30	The Smothers Brothers Comedy Hour (c)	Mayberry R.F.D. (c)	Family Affair (c)	Doris Day Show (c)	Green Acres (c)	Beverly Hillsbillies (c)	Hogan's Heroes (c)
8	Mission Impossible (c)	Carol Burnett Show (c)	CBS News Broadcasts	Hawaii Five-o (c)	Thursday Night Movie (Most in color)	CBS Friday Night Movie (c)	Petticoat Junction (c)
8:30	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	DEATH Valley Days (c)
9	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports	Channel 5 News Weather Sports
9:30	Perry Mason	Perry Mason	Perry Mason	Perry Mason	MILLION \$ MOVIES	Roy Anthony Show (c)	Films of the 50's
10	Sign Off	Marshal Dillon	Marshal Dillon	Marshal Dillon	Films of the 50's	Films of the 50's	Films of the 50's
10:30							
11							
11:30							
12							



NASHVILLE, TENNESSEE

A CBS AFFILIATE

Tennessee MAGAZINE

Official Publication of the
**TENNESSEE ELECTRIC
COOPERATIVE ASSOCIATION**

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J. C. Hundley, Executive Manager

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ON THE COVER



Our thanks to the Ohio Agricultural Extension Service for this colorful picture showing the SMV EMBLEM properly used on farm equipment. See story on page 8-9.

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To The Point

by John E. Stanford

If you were asked to choose what, in your opinion, were the three most important words ever written or spoken—what would they be?

Although every word spoken by our Lord, Christ Jesus, was important, the three words spoken about Him many years ago—"He Is Risen"—would have to be, to me, the most meaningful three words of all time. This promise of the Tomorrow is what gives true meaning to our lives Today.

May this true meaning of Easter, especially the good will toward all men as taught by the Prince of Peace, abide in all of our hearts this season and throughout this and all years.

★ ★ ★ ★ ★

During its one-third of a century of existence, the Rural Electrification Administration has been particularly blessed with able Administrators. During our almost nineteen years in the cooperative rural electrification program, we have personally known four of these gentlemen. We have been privileged to consider the last two, David Hamil and Norman Clapp, as personal friends.

Although the REA-financed cooperative rural electrification program is non-partisan, the Administrator's job, by and large, is. Mr. Hamil, a Republican, served as Administrator under President Eisenhower from 1956 (succeeding another Republican who resigned to run for Congress) until 1961 when a Democratic Administration took office and Mr. Clapp was appointed Administrator. Mr. Clapp, a Democrat, served from that time until shortly before President Nixon was sworn in last January. Mr. Nixon in turn appointed Mr. Hamil the Administrator of REA and the Senate has affirmed this very judicious and well received appointment of the very able, friendly and well liked David Hamil to succeed the very able, friendly and well liked Norman Clapp.

Administrator Hamil, 60, is a native of Colorado and was graduated from Hastings College in Nebraska. He has spent much of his adult life as a rancher and farmer in Logan County, Colorado, where he and his brother own 4,500 acres. He has also been active in Colorado's political life. Until his first appointment as Administrator of REA in 1956, Hamil had served some 16 years in the state's General Assembly, four of them as Speaker of the House of Representatives. At the time of his second appointment as Administrator, he had recently completed six years of service as

Director of the Colorado Department of Institutions.

Administrator Hamil became active in the rural electrification program in 1939 when he helped sign up members and organize the Highline Electric Association of Holyoke, Colorado. He was an active member of that co-op's Board of Directors for five years.

Welcome back, Dave Hamil. May the success of your first tenure as Administrator be surpassed only by that of your second.

★ ★ ★ ★ ★

The rural electric cooperative program isn't in competition with anything except its avowed purpose of providing everyone in small town and rural areas who want it with an adequate supply of dependable power at the lowest possible cost.

On a non-competitive basis, however, a bit of pride is certain to creep in when statistics show that your state is accomplishing these things at a better than average pace in comparison with other states, including doing its part in such matters as tax payments.

A recent chart published by the National Rural Electric Cooperative Association shows, for example, that only one state, with a considerably larger population, has more members served by rural electric co-ops than does Tennessee. The Volunteer State has far and away the largest average number of members per co-op and ranks fourth in the amount of money invested in plant to serve the second highest total of members in the nation. Co-ops in only five states in the nation pay more total property taxes than do Tennessee's, whose rate (to plant investment) is almost 25% more than the national average. Tennessee has the 13th most miles of electric lines energized and ranks in the highest 35% of all states in the taxes that it pays per mile of such lines.

Because of low wholesale power rates which the co-ops receive from TVA, Tennesseans use approximately twice as much electricity as the national average while the cost per kilowatt hour is roughly one-half the national average.

Cooperative rural electrification is good for ALL Americans and it's good to be able to say that the program in Tennessee is a shining example why this is so!

Union Bankers Paid \$115,844.39 to Co-op Member in Gatlinburg

The photograph at right shows Reg. Mgr. Bill Haley (left) and sales representative, Jessie Montooth (right) presenting checks for \$110,000.00 to Mrs. Claudia Jansen, mother and beneficiary of William Howard Wilson, deceased. This check is in addition to \$5,844.39 previously paid to

Mr. Wilson for benefits under his hospital-surgical and loss of time policies in Union Bankers.

Mrs. Jansen recommends Union Bankers for providing sound protection and prompt, efficient service.



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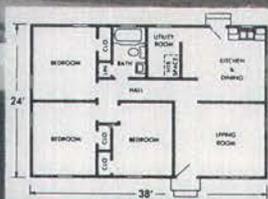
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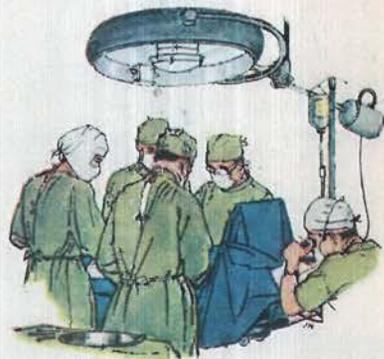
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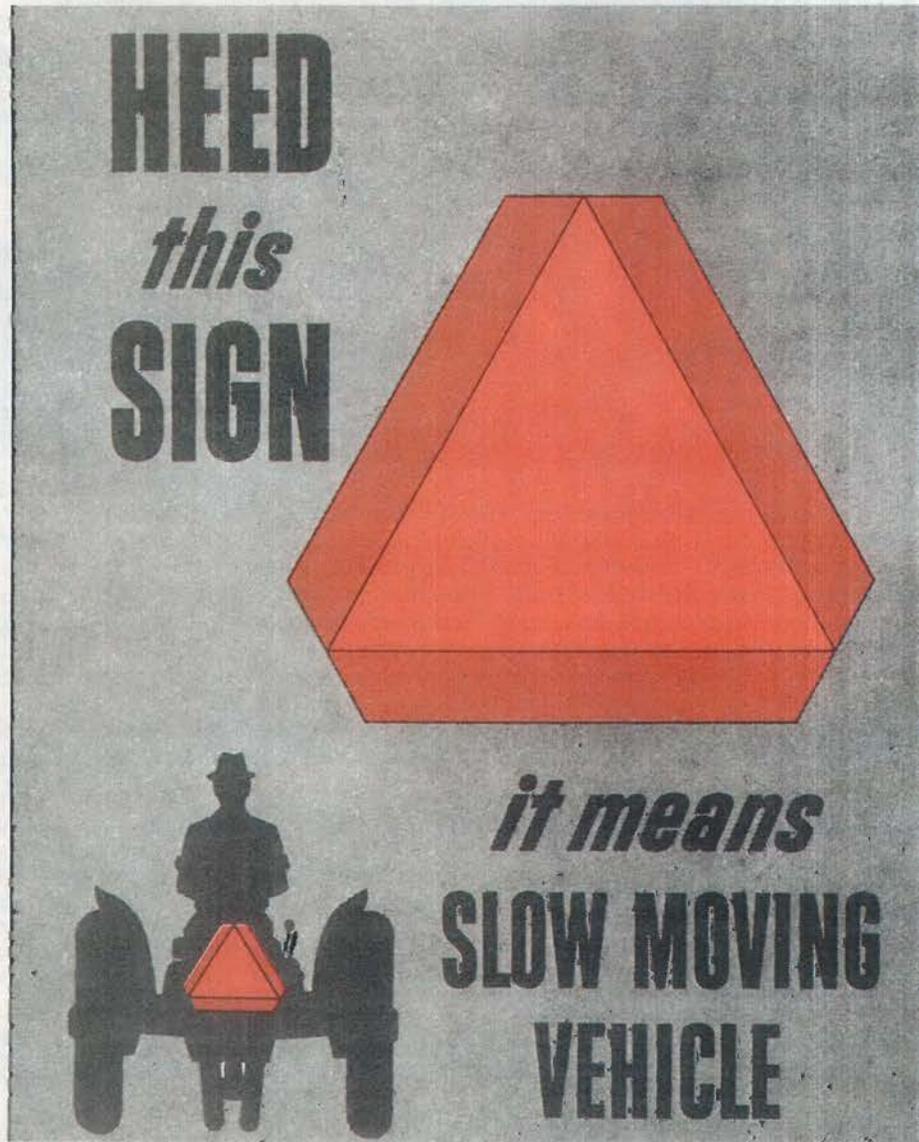
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THE SIGN OF LIFE

By Lofton Robertson
Administrative Asst.
Tennessee Electric Cooperative Ass'n.



Have you ever experienced the feeling of helplessness while speeding down the highway when suddenly you realize that the vehicle ahead is a farm tractor or other slow moving vehicle? In many cases it only means screeching brakes, smoking rubber or a quick swerve, but some end up as a statistic on an accident report.

In 1967 approximately 12,500

accidents involved farm equipment and motor vehicles on public roads. About 280 persons lost their lives during that year in these and other farm equipment accidents.

During recent years when cars and roads have been built for higher speeds, the slow moving vehicle problem has increased and safety engineers have given it much consideration.

The latest answer has been to identify the "slow moving vehicle" in such a way as to "shock" the approaching motorist into recognition as far away as possible. To do this we have developed the SMV EMBLEM for use on the rear of farm equipment, road builders equipment and other vehicles which travel 25 mph or less on our roads. This 16 inch triangular emblem employs a

bright fluorescent orange color and a reflective red border to gain the motorist's attention up to 500 feet away either day or night.

The Tennessee Farm and Home Safety Council has been among those working in the development of this emblem. For the past year it has been my privilege to work with Dr. Houston Luttrell of U.T. Extension and Mr. J. B. Grant of Tennessee Dept. of Agriculture as a sub-committee of the Council recommending a program of action for promoting the SMV EMBLEM in Tennessee.

Under direction of the Safety Council and thru cooperation of the state and county Farm Bureau organization the SMV EMBLEM is being offered to farmers, contractors, and others who need them at minimum

prices. Youth groups are being enlisted to sell the emblems and will receive a generous portion of the sale price for their clubs. Mr. Alvin Moore, Chairman of the Tenn. Farm and Home Safety Council, indicates they hope to get 50,000 of the emblems in use during 1969.

Governor Buford Ellington has given his support to the program by a Proclamation urging "all concerned people to participate" in it. He reflected the support of the Commissioners of Highways and Safety by proclaiming "the State Highway Department will participate in the program by installing this symbol on all slow moving vehicles in the department. Also, the State Safety Department will assist in informing the public as to the meaning of the emblem."

Ten states have passed legisla-

tion regarding use of the SMV EMBLEM and ten others are considering it. It is the hope of the Tennessee Safety Council that this voluntary program and the concern it generates will make legislation unnecessary in our state.

Proof of the effectiveness of the SMV EMBLEM is furnished by Michigan State Police data for 1967 showing a 32% decrease in accidents involving slow moving vehicles after mandatory use of the emblem began March 10, 1967.

Lets make Tennessee more safe for travel! Mr. Farmer and Mr. Contractor, *please* use this emblem on your equipment! And, Mr. Motorist, *please* recognize and respect it!

Truly it can be—THE SIGN OF LIFE!



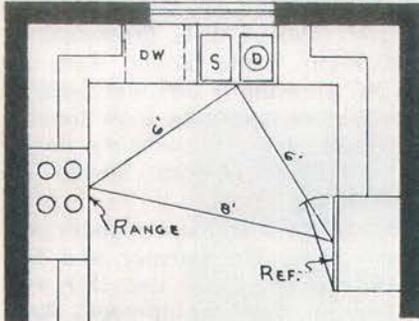
Dean Hutchison, Manager of the Monsanto Agriculture Center near Alamo in Crockett County uses the SMV EMBLEM on all 54 pieces of slow moving equipment used by his company. He is shown here pointing to the emblem mounted 5' above the ground on the rear of a fertilizer spreader which is pulled on the highway by a farm tractor.



Immediately after Governor Buford Ellington had signed a proclamation supporting the "Slow Moving Vehicle Campaign," committee chairman Dr. Houston Luttrell, UT Extension, presented him two of the SMV emblems. Other interested persons attending the signing were: (l. to r.)—Dr. George Foster, 4-H; Dr. Luttrell; Clyde M. York, President, Tenn. Farm Bureau; Kenneth Mitchell, FFA; Lofton Robertson, Adm. Asst., TECA; Gov. Ellington; Dr. Webster Pendergrass, Vice-Chancellor, U.T. Institute of Agri.; Lt. John Fields, Tenn. Highway Patrol; J. B. Grant, Tenn. Dept. of Agri.; Alvin Moore, TFBA (Chairman, Tenn. Farm and Home Safety Council); and, (seated) Mrs. Elizabeth Chapman, FHA.

PLAN A KITCHEN WITH 3 C's: Convenience, Comfort and Charm

By Patsy Myers, Home Economist
Middle Tennessee Electric Membership Corporation



This U-shape kitchen, consisting of the three work centers installed in a continuous line, shows a good arrangement for preparing food, serving food and cleaning up. This arrangement permits the homemaker to work free of traffic. It is an excellent arrangement for the kitchen-family room with one of the work centers acting as a room divider.

Homemakers have always had to spend more working time in the kitchen than in any other room in the house. Now, with the modern trend to the combination kitchen-family room, where the whole family spends a great deal of time, the homemaker still has to spend a lot of time in the kitchen, but she can enjoy it more because the family is nearby and she can share in their conversation and entertainment.

However, this makes a difference in the general arrangement of the room. It needs to be a room where the kitchen equipment is placed to save steps and work, yet to recapture the comfortable, cozy atmosphere of the old-fashioned kitchen.

Many of these kitchen-family rooms have areas for dining, sewing and other activities. Very often casual entertaining is done here, also, since the arrangement, type floor covering and the type of furniture usually make possible quick snacks and ease of entertaining children.

More attention to detail may be apparent because of this idea of casual entertaining of friends; with new kitchen equipment that is more attractive, more colorful, and more functional. More



Mrs. Dell Gibson, cashier at the Middle Tennessee Electric's Lebanon office, shows the 30" range in our meeting room which has an eye-level oven with exhaust fan above it to carry away fumes from the oven and surface units. Below the surface units, there is a large self-cleaning oven. This is an excellent solution to the problem of space in the kitchen, yet it does a very adequate job of all types of meal combinations for a large family. For extra convenience, the surface units are lighted very adequately.

thought is being given to the need for good lighting, good ventilation and more graceful lines throughout the room.

Nothing about this trend makes it less important to have a well-arranged kitchen with the three work centers in a work-triangle to save steps and energy.

In new construction, these work centers may be planned while the house is in the blueprint stage.

As the work centers are arranged, the distance between each appliance forms the work pattern triangle. Too short a distance between each two appliances indicates there is not enough counterspace; too long a

distance means that the shape or size of the room results in poor use of space.

The recommended distance limits measured from the center of each appliance are:

Refrigerator to Sink, 4-7 ft.

Sink to Range, 4-6 ft.

Range to Refrigerator, 4-9 ft.

The sum of the three sides of the work triangle should not be more than 22 feet.

These same desirable distances are good "measuring sticks" to check your present kitchen or planned kitchen for convenience, whether it is a U-shaped kitchen, L-shaped, two-wall or any variation of these.

Other principles necessary to a good functional kitchen are: arrangement of work centers to allow work to flow in one direction; space planning so that the sink-dishwasher area is between, or convenient to the other two areas; proper clearance (16-18") between counter surface and wall cabinets; adequate provision for ample supply of hot water, general room lighting, under cabinet lighting, adequate wiring for outlets and switches, and proper ventilation, add counter surfaces and floor covering that are easy to clean, and color to lift your spirits. The result is a kitchen where you will enjoy working, a room with 3 C's—convenience, comfort and charm.

As we, at Middle Tennessee Electric, help with kitchen planning, we have available in our meeting rooms some excellent features to show. Here Mrs. Linda Parkerson, Middle Tennessee Electric cashier, Lebanon office, hangs a towel on the sliding towel rack mounted under the drainboard. Also note in the picture the undercabinet lighting, (mounted in recessed area under wall cabinets), and the valance lighting at front of cabinets which makes the pretty detail of the cabinet fronts show up better, as well as giving some light to the furred area above.



These two pictures show an installation with the dishwasher under the drainboard. The front elevation shows the cabinet under the sink (which is 24" wide) with the garbage disposer unit. This type of stainless steel sink is available in many sizes, with the left-hand position for the drainboard. Note the mixer faucet which allows you to turn the water on with one motion—the position of the control lever determines the water temperature. (These pictures were made in the Meeting Room of Middle Tennessee Electric's Franklin Office.)



RECIPE OF THE MONTH

CHESS PIE

- 1 stick butter
- 1-1/2 cup sugar
- 1-1/2 tsp. white vinegar
- 1-1/2 tsp. meal
- 3 eggs lightly beaten
- 2 tbsp. thick buttermilk
- 1 tsp. vanilla

Melt butter in saucepan, stir in sugar. Remove from fire. Add eggs, buttermilk and vanilla; blend well.

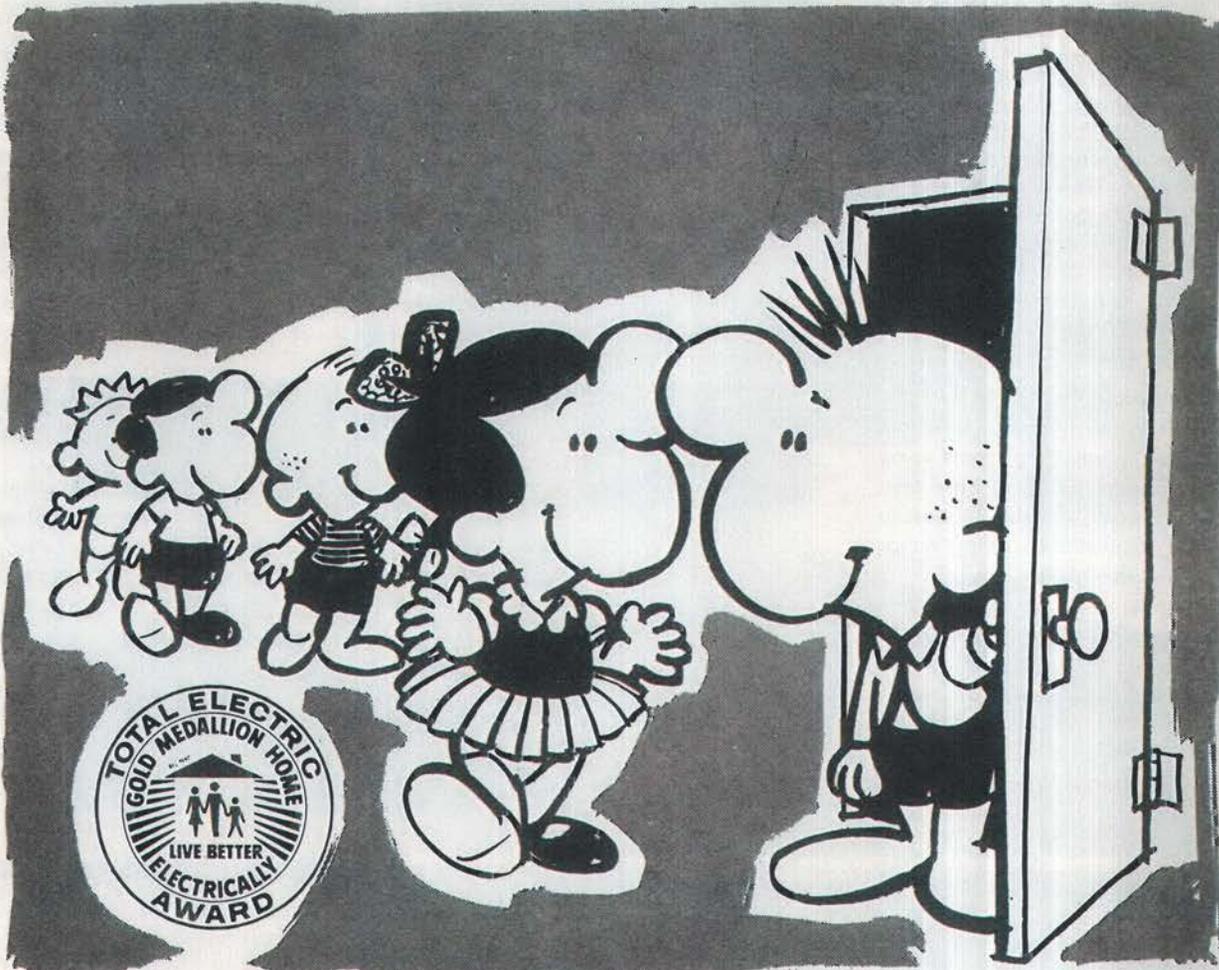
Pour into unbaked pastry shell. Bake at 425° for 10 minutes; reduce heat to 350° and bake until filling shakes slightly and is brown (about 20 minutes).

TO BE SUCCESSFUL

- Think Deeply
- Speak Gently
- Laugh Often
- Work Hard
- Give Freely
- Pay Promptly
- Pray Earnestly
- And, Be Kind

Scottish Rite News

Everyone Flocks to Central Air Conditioning

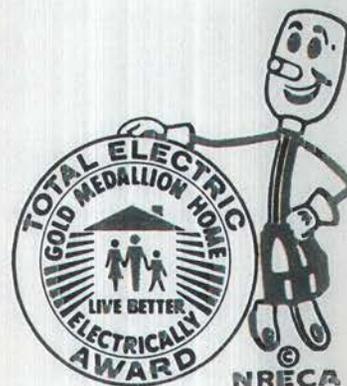


Central Air Conditioning is one of today's biggest bargains. It gives year-'round climate control so your family can enjoy total-electric living at its best!

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Air Conditioning is now within everyone's budget. Ask your rural electric system for free information about Air Conditioning your home.



TENNESSEE'S RURAL ELECTRIC COOPERATIVES

Make Your Laundry Room

Duo-Purpose

Bring your laundry out of that dark-corner-in-the-basement and make it attractive and unique by incorporating space-saving efficiency with special interests or hobbies.

If you are a garden hobbyist why not plan a herb garden around the appliances and discover the delights of exotic flavors of gourmet cooking. Because the laundry area is warmer than the rest of the house, and above all blessed, so far as plants are concerned, with moist air, your herbs will thrive.

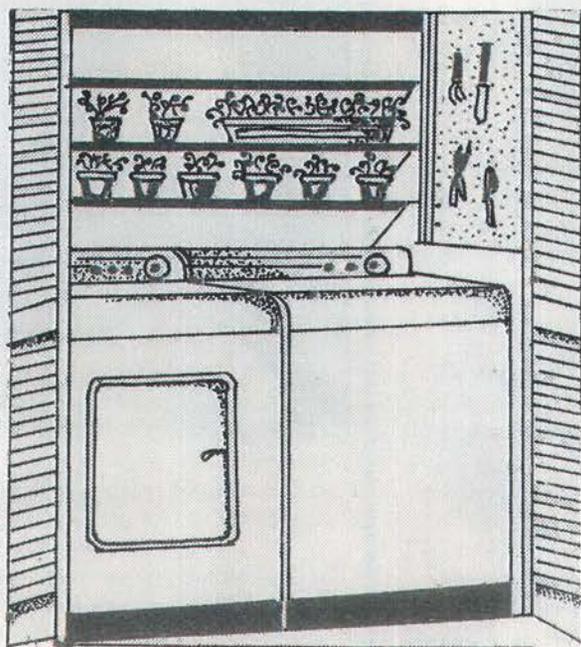
If the design of the home permits, the combination laundry and herb garden could be adjacent to a special sink for potting plants or spotting clothes.

Anyone interested in such a plan should study the requirements for proper herb growing, one of the main requirements being light. If the plants do not receive sunlight, artificial electric lights designed to stimulate growth should be used. An interesting plan to insure a

good appearance would include two sections to the left and right of the washer and dryer. Each section, accommodating three herbs each, would have two shelves 16 inches high, 2 feet wide and 12 inches deep. Or you might want to put the herbs above the washer and dryer and build floor to ceiling storage space adjacent to the appliances.

While the choice of herbs would be determined by family preferences, here are some suggestions: sweet marjoram, a fragrant member of the mint family; winter savory, a basic, mild-flavored herb; farragon, piquant; dill, feathery green leaves for vegetables and salads; basil, fresh and spicy for tomato dishes; and rosemary, for a subtle tang.

This dual-purpose laundry area should not eliminate normal storage cabinets for laundry aids. Nor should it overlook the inclusion of a convenient ironing board and clothes hampers for soiled clothes.



Garden hobbyists might find an ideal spot for an herb garden in the laundry area of the home, where warm, moist air would provide an excellent growing climate. Herbs can be placed on open shelves above the washer and dryer with a spacious lower door cabinet providing storage for garden materials as well as laundry aids. A convenient ironing board may be pulled down from the cabinet interior.



Charcoal Avoids Rust

A piece of charcoal in a tool box will keep tools from rusting.

Dental Floss as Thread

Buttons sewn on with dental floss will stay on as long as the garment lasts.

Polish Remover on Scuff Marks

Fingernail polish remover sponged on with a paper tissue will remove black scuff marks on shoes caused by a heel or tar from the street or road.

Anchor Brooms

A finger cut from an old rubber glove and slipped over the top of a broom or mop handle prevents them from falling when leaned against the wall during cleaning.

Baked Potatoes Faster

Potatoes can be baked in about half the usual time if they are par-boiled five minutes.

Sandpaper Holds Pleats

When pressing a pleated skirt, try placing a sheet of coarse sandpaper under the pleats to hold in place. This saves pinning the pleats in place and results in a neater hemline as there will be no indentations in the fabric caused by the pins.

Fragrant Clothing

If cologne is sprinkled on the ironing board just before ironing, it will give a delicate aroma to your ironed garments.

Preserve Canvas Shoes

Canvas shoes will wear longer if they are polished and sprayed with starch after washing. Dirt can then be easily brushed off.

Uncle John's Page

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

Send all items to:

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710 Spence Lane, Nashville 10, Tenn.



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Route 1
Decherd, Tenn.
Duck River EMC



Carolyn Dunham, Age 17
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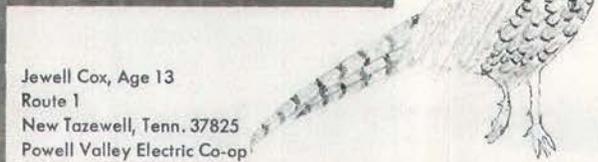
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Newland, N.C. 28657
Mountain Electric Cooperative



Lynda Pickens, Age 18
Adamsville, Tenn. 38310
Pickwick Electric Cooperative



Clevester Dowell, Age 15
Route 2, Box 120-B
Atoka, Tenn. 38004
Southwest Tenn. EMC



Jewell Cox, Age 13
Route 1
New Tazewell, Tenn. 37825
Powell Valley Electric Co-op

Timely Topics

GOOD PLANT BED NEEDED TO GROW TOBACCO PLANTS

The success of a tobacco crop depends largely upon an adequate supply of good, healthy plants available for transplanting at the recommended time.

A good plant bed is necessary to furnish these plants. "The plant bed site should be located on a deep, loamy, well drained soil," advises Gilbert N. Rhodes, University of Tennessee Extension agronomist. "If possible, the bed should be located near a water supply since young plants frequently need water."

Growers who did not use a chemical for weed control last fall will need to sterilize the bed by burning, steaming, or methyl bromide fumigation.

In beds where cyanamid was not used last fall as a soil sterilant, 50 to 75 pounds of 4-12-8 fertilizer, or its equivalent, should be used for a 9 x 100 foot bed. This should be applied just prior to sowing. Where cyanamid was used last fall, do not use fertilizers containing nitrogen when seeding the bed, warns the agronomist.

If possible seeding of the bed should be completed by March 15. A good tobacco canvas should be placed on the bed immediately after seeding to increase the soil temperature and to give protection from unfavorable weather. A ditch around the bed will remove surface water which might carry weed seed and disease organisms into the bed.

COMPLACENCY IN CATTLE BUSINESS IS EXPENSIVE

The beef producer who doesn't save every calf is reducing his potential for profit, points out W. P. Tyrrell, University of Tennessee Extension animal husbandman. "Each time you lose a calf, your cattle sales check next fall will be reduced by \$100 to \$135," notes Tyrrell.

No producer can afford complacency in his cattle operation. "During the calving season, nothing should be taken for granted," adds Tyrrell. "Breech presentations and similar abnormal births require vigilance and immediate action to save both mother and calf."

First-calf heifers need special attention. Moving these heifers to a near-by pasture will make day and night checks easier. Even cows that have calved in the past sometimes need special attention.

To emphasize the importance of saving all calves, Tyrrell notes that the annual cost of keeping a cow is about \$85. If a calf will sell for \$110, this is a return of \$25 per cow with a 100 percent calf crop. This return drops to \$15.60 for a 90 percent calf crop and down to \$4 per cow for an 80 percent calf crop.

"With rising land, tax, labor, and operational costs, only cattlemen with a substantial off-the-farm income can afford complacency during the critical calving season," concludes Tyrrell.

FARM RECORDS SHOULD PROVIDE ACCURATE DATA

Farm records will have an added use in 1969 when they will be helpful to Tennessee farmers filling out the 1969 Census of Agriculture, which will be taken by mail. Also, farm records will provide information which may be used to find weaknesses in the farm business and for use in filing income and social security tax returns.

"The successful farm operator always considers farm records to be an important part of his farming operation, but this year they will be more important than usual," says Eugene Gambill, University of Tennessee Extension associate agricultural economist. "If we are to get a clear picture of the nation's current farming trends from the 1969 Census of Agriculture, accurate records are essential."

Census forms will be mailed to farmers in January of 1970. The law requires that the questionnaire be completed and returned. Complete farm records for 1969 will provide accurate information for its completion, stresses Gambill. Previously, the farm census was conducted by visitation.

"The things that we learn from the new Census of Agriculture will be the basis for information about farming in the United States for the next five years," continues the agricultural economist. "Careful preparation of the census form will help to guide the agricultural programs of the future and point the direction for important future farm management decisions."

FARM BRIEFS

Two pounds of Ladino clover, four pounds of Kenland red clover and eight pounds of Kobe lespedeza per acre are recommended for renovating grass pastures, advises a University of Tennessee Extension agronomist.

★ ★ ★ ★ ★

Dicalcium phosphate fed free choice to dairy cows is the most economical way to provide needed minerals to these cows on a ration of corn silage, says a University of Tennessee Extension dairy husbandman.

★ ★ ★ ★ ★

The simplest way to avoid a nematode problem in your home garden is to change the garden to another location, suggests a University of Tennessee Extension plant pathologist. If this is not practical, treat your soil with a nematocide.

★ ★ ★ ★ ★

IF-PUP is the Intensified Forage Production and Utilization Program of the University of Tennessee Agricultural Extension Service.

ELECTRICAL INSPECTIONS IN TENNESSEE

By ART EDMISTER,
Electrification Advisor
Sequachee Valley Electric Cooperative

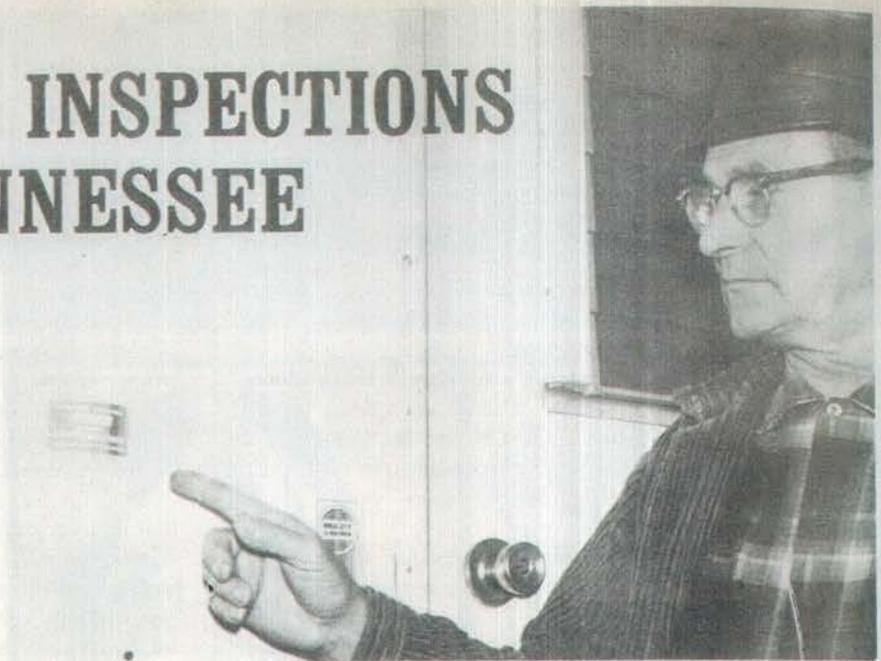
Just what is this National Electric Code and Tennessee State Regulation Number 15 and why must we be subjected to electrical inspections? Is not "every man's home his castle"? Why should some person outside of a man's family come into his home and force him to "meet certain standards" set up by some one else? Is not this a free America? And why should some "inspector" tell us what we can do with our own home?

The more civilized and complex that our lives become, the more necessary it becomes to have regulations to protect our rights and the rights of others.

As an example, let us suppose that I lived by myself in the middle of a wilderness with no other person within miles. As long as I was the only person, what I did or did not do would



The identification tag "State of Tenn. Elec. Inspect." on the grill of Inspector I. L. Welch's automobile is one means of identification that he is legally authorized by the state to inspect your electric wiring. This is one of many means being used to curb impostors who seek to steal from the public.



This "APPROVED" decal placed on the mobile home by Inspector I. W. Welch indicates that electrical and other utility systems meet the standards issued by the State Fire Marshal.

affect me and only me. After a time, I might get lonely and persuade my wife to come into the wilderness to live with me. She would have some "rights", and these "rights" might conflict with what I had believed to be my "rights". A compromise would have to be worked out so that my rights would not interfere with hers. As more people live together, more regulations or laws are required to safeguard the rights of everyone. And so it is with the use of electricity.

More and more we are recognizing the many ways that electricity serves us in our homes, on our farms, and in our jobs. This helps make our lives more comfortable and productive. America is an "electrical society." The demand for electricity in the United States has doubled every ten years, and per capita consumption of electricity in the TVA area is more than double that of the national average. Reasonable safety measures for the protection of life, property, and the "rights" of the individual make it necessary to set up and enforce minimum standards. The State Fire Marshal has been empowered by the State Legislature to establish regulations for the purpose of providing and enforcing the minimum safety standards for materials, installation and use of facilities and

equipment necessary to the safe use of electricity. These regulations are spelled out in State Regulation Number 15 and in the National Electric Code and are laws in the State of Tennessee.

Mr. R. E. Ward is Chief Electrical Inspector of the State of Tennessee and he has appointed under him 55 Deputy Electrical Inspectors. Mr. Ward is known throughout the nation for his ability and his contributions to the electrical industry. In 1964, he served as International President of the International Association of Electrical Inspectors. He is a member of Underwriters Laboratories Electrical Council, consulting Editor for Electrical Construction and Maintenance magazine, a member of Code-Making Panel Number 5 and chairman of the Electrical Subcommittee National Fire Protection Association 501A and 501B. He also serves on many other nation wide electrical committees. Mr. Ward and Assistant Chief, Herbert M. Bowling, are kept busy throughout the State of Tennessee supervising the Deputy Electrical Inspectors and meeting with electrical contractors, Cooperative personnel, and municipal power distributor representatives. Deputy Electrical Inspectors are appointed by the Commissioner of Insurance and Banking after having been recommended by Mr. R. E. Ward.

Chief Electrical Inspector. The fees charged by Deputy Electrical Inspectors for inspections are established by Legislative Act. Reports of all inspections are filled out in quadruplet. The original report of the inspection is given to the owner, occupant, or contractor. A copy is given to the power distributor serving the property for which the inspection was made; a copy is sent to Mr. Ward's office in the Department of Insurance and Banking, Division of Fire Prevention; and the Inspector keeps a copy for his own records. All Electrical inspections are made according to the minimum safety standards of the National Electric Code, as amended by State Regulation Number 15 and any local rules established by the power distributor.

Most power distributors offer free service in the planning of the wiring, giving recommendations as to adequate wiring as well as minimum wiring. But the inspection only enforces minimum requirements. If the work meets the minimum safety requirements, it will be passed. If it fails to meet the minimum safety requirements, it will be rejected.

Impostors posing as electrical inspectors have been known to operate in Tennessee. They will drive up to a house and represent themselves as either wiring inspectors or employees of the Power Distributor. Usually they travel in pairs. While one of the impostors draws attention of the



Inspector I. L. Welch is shown replacing a light fixture after having removed it for inspection.

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victim, the other one robs the house of valuables. Or they may pretend to make an inspection and then scare the victim into paying exorbitant fee. If there is any doubt as to the identity of the stranger calling on you, demand to see his identification papers. The Deputy Electrical Inspector will carry his commission card signed by the Tennessee State Commissioner of Insurance and Banking. If he is driving his own car, he will also have an identification tag which

says "State of Tennessee—Elec. Inspect." If there is any doubt as to the identity of the "Inspector" try to get his description, the description of his car and the license number. Then notify your power distributor as soon as possible. Your power distributor is trying to track down these impostors.

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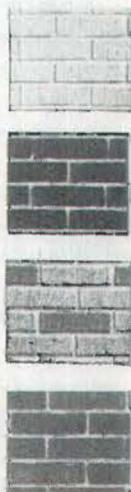
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Both

TENNESSEE MAGAZINE

WISE AND OTHERWISE

People are funny; if you tell a man there are 270,678,934,341 stars in the universe, he'll believe you—but if a sign says "Fresh Paint," that same man has to make a personal investigation.

★ ★ ★ ★ ★

Some women want a man with a strong will, made out to them.

★ ★ ★ ★ ★

A man's life is 20 years of having his mother asking him where he's going; 40 years of having his wife asking him the same question; and at the end the mourners wondering, too.

★ ★ ★ ★ ★

Height of Frustration: A deaf and dumb carpenter hitting his thumb with a hammer and not being able to find his pad and pencil.

★ ★ ★ ★ ★

There are a lot of employers who agree that there are too many unemployed people today who have jobs.

★ ★ ★ ★ ★

In an ideal domestic relationship, the husband should be the head of the house—but the wife should be the neck. Have you tried turning your head without an okay from your neck?

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JUNE 30, 1969

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Tennessee Magazine endorses validity of offer. Offer expires June 30, 1969.

Crownvetch May Provide Erosion Control Answer

By C. H. Jent, Jr.
Soil Conservation Service



A Jennings Creek watershed dam in Jackson County covered with a dense stand of crownvetch. This plant provides protection from erosion and needs little maintenance. The pinkish-white flowers that occur from June through August and lush-green foliage creates an attractive sight.

A relatively new erosion-control plant may soon be seen covering more Tennessee roadcuts, streambanks, and schoolgrounds as a result of a successful first effort to produce the seed in the Volunteer State.

"What is crownvetch?" was B. D. Mayberry's first question when William Medley of the Soil Conservation Service asked if he and his son, Hoyte would plant an acre or so on their Jackson County farm.

Medley knew that the Mayberrys were experienced in harvesting and caring for various kinds of seed. The SCS technician explained that crownvetch was a perennial legume useful for erosion control. It has been used successfully to cover and beautify earthen watershed dams in Jackson County.

The Soil Conservation Service has made 48 roadside trial plantings of crownvetch in Tennessee since 1957. These trials were made under the plant materials phase of the SCS conservation program in cooperation with the State Highway Department and Conservation Districts. They are part of the continuing effort of



D. K. Springer, State Soil Conservationist, examines heavy growth and seed crop on "Vol" crownvetch on the B. D. Mayberry farm.

the SCS to uncover new, different, or superior plants for use in solving conservation problems. As a result of these plantings, plant specialists of the SCS and the University of Tennessee have evaluated the legume as to adaptation to soils, climate and other environmental conditions in

the State. Crownvetch is recommended for use on highway slope-cuts, fills and other areas where a dense, attractive groundcover is desired.

Six pounds of seed, hand-harvested by Soil Conservation Service employees from a wild stand in Loudon County was



Rear view of combine shows tailings from crownvetch being discharged as seed is harvested

delivered to the Mayberry farm. The strain has been given the unofficial name of "Vol" crownvetch.

With this seed, they planted 3/4 of an acre in rows 40 inches apart in May of 1965. The crownvetch did not make a solid stand until the end of the second year—1966.

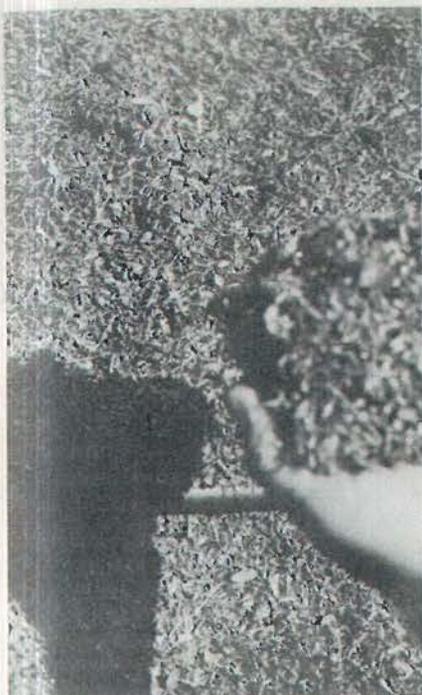
Bad luck prevented a seed harvest in 1967. Hard rains shattered the seed crop.

In 1968 a heavy crop matured and the weather cooperated. The 473 pound yield from the 3/4 acre field surprised everyone.

"I had expected only about 200 pounds of seed after hulling and cleaning," B. D. Mayberry said. This Jackson County seed yield is above the average for the Northeastern states where most crownvetch seed is produced.

The current retail price for clean, scarified seed is up to \$4.00 per pound. The seed supply is limited and the demand is

good. Highway vegetative contractors use most of the seed produced for vegetating roadside areas. Normal seeding rate is 15 pounds per acre.



A combine bin full of freshly harvested crownvetch seed, leaves, and stems.

"From our experience, I would say that saving seed from crownvetch is a tricky business," Hoyte Mayberry said. "You have to guess when the most seed are ripe, and keep an eye on the weather. We found out that one hard shower can shatter the whole crop."

The Mayberrys used part of the seed produced to increase the size of their crownvetch field.

Crownvetch is not a true vetch and will not become a pest on cultivated land. It is easily killed by plowing or with herbicides.

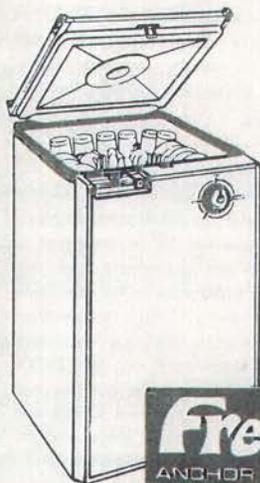
The Agricultural Experiment Station of the U. T. College of Agriculture is presently conducting research on crownvetch. Major objective of this research is to select or breed a variety that is superior to existing varieties for Tennessee conditions. Also, the plant's potential as a forage legume is being studied. "Vol," the strain growing on the Mayberry farm, is included in the research plots along with a large number of other varieties and strains. If "Vol" should prove to be outstanding in several desirable characteristics, it could someday become an official crownvetch variety.

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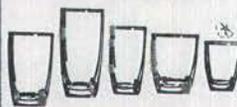
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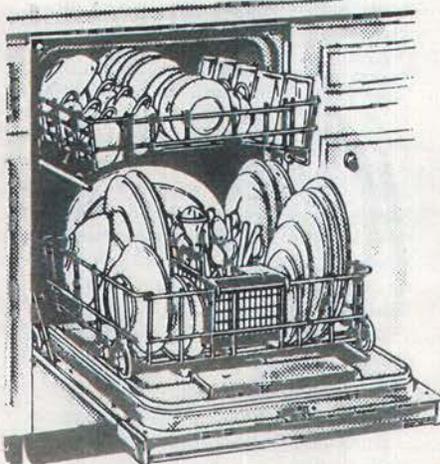
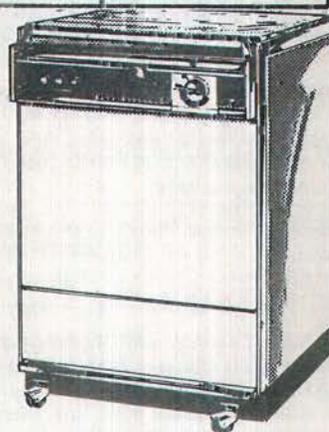
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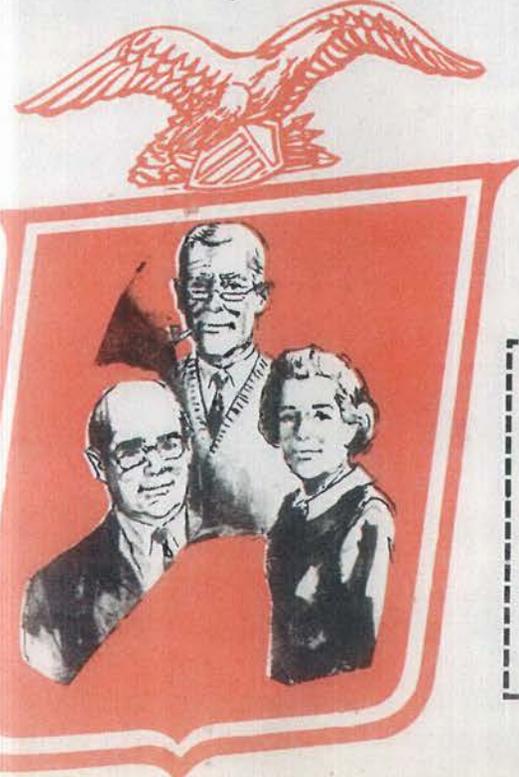
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