

Tennessee

DECEMBER, 1966

MAGAZINE

Dedicated to Better Living



BOB Sticks Neck Out Again With WLAC-TV "Fearless Forecast"



Once more, Bob Lobertini, WLAC-TV meteorologist, tests his weather prophet abilities with his FEARLESS FORECAST . . . a daring compilation of his weather predictions for the coming winter. "Looks like a rather rough winter ahead," remarked Bob, with a shiver. As long as you can't change the weather, it could be of great benefit to know just what's ahead. So, if you'd like to be armed with this information to help you make your winter plans, just mail your request to "FEARLESS FORECAST" in care of WLAC-TV. We'll pay the postage to send it to you. Just another service of WLAC-TV to help keep our viewers the best informed folks in the area.



COMPLETE DECEMBER SCHEDULE WLAC-TV NASHVILLE

5:45-6:00 AM	Form News—Mon. thru Fri.	10:00-10:30 AM	Andy of Mayberry—Mon. thru Fri.	12:30-1:00 PM	Roadrunner (c)—Saturday
6:00-7:00 AM	Sunrise Semester—Sunday	10:00-10:30 AM	New Adventures of Superman (c)—Sat.	12:45-5:00 PM	NFL Today Doubleheader (c)—Sun.
6:00-7:45 AM	Country Junction—Mon. thru Fri.	10:30-11:00 AM	Faith For Today—Sunday (c)	1:00-1:30 PM	Postward—Mon. thru Fri.
6:30-7:00 AM	Sunrise Semester—Saturday	10:30-11:00 AM	Dick Van Dyke—Mon. thru Fri.	1:00-1:30 PM	Beagles (c)—Saturday
7:00-7:30 AM	Lafayette Family—Sunday (c)	10:30-11:00 AM	Lone Ranger (c)—Saturday	1:30-2:00 PM	House Party—Mon. thru Fri. (c)
7:30-8:00 AM	Chuck Wagon Gang—Sunday (c)	11:00 AM-12:15 PM	Hollywood Spectacular—Sunday	1:30-2:00 PM	Dobie Gillis—Saturday
7:00-8:00 AM	Eddie Hill Variety Show—Saturday	11:00-11:25 AM	Love of Life—Mon. thru Fri.	2:00-3:00 PM	Championship Bowling (c)—Saturday
7:45-8:00 AM	Morning News: Weather—Mon. thru Fri.	11:00-11:30 AM	Popeye Party—Saturday	3:00-4:00 PM	Countdown to Kickoff—Saturday
8:00-9:00 AM	Heaven's Jubilee—Sunday	11:30-12 N	Huckleberry Hound—Saturday	2:00-2:25 PM	To Tell The Truth—Mon. thru Fri.
8:00-9:00 AM	Captain Kangaroo—Mon. thru Fri.	11:25-11:30 AM	Joseph Beati	2:25-2:30 PM	Doug Edwards
8:00-8:30 AM	Nightly Mouse Playhouse (c)—Saturday		CBS News—Mon. thru Fri. (c)		CBS News—Mon. thru Fri. (c)
8:30-9:00 AM	Underdog (c)—Saturday	11:30-11:45 AM	Search for Tomorrow—Mon. thru Fri.	2:30-3:00 PM	The Edge of Night—Mon. thru Fri.
9:00-9:30 AM	Heaven's Jubilee—Sunday	11:45-12 N	The Guiding Light—Mon. thru Fri.	3:00-3:30 PM	The Secret Storm—Mon. thru Fri.
9:00-10:00 AM	Mike Douglas Show—Mon. thru Fri.	12:00 N-12:05 PM	World of Noon—Mon. thru Fri.	3:30-4:00 PM	Lassie—Mon. thru Fri.
9:00-9:30 AM	Frankenstein Jr. & the Impossibles (c) Sat.	12:00 N-12:30 PM	Tom and Jerry (c)—Saturday	4:00-5:30 PM	Big Show—Mon. thru Fri.
9:30-10:00 AM	Pattern for Living—Sunday	12:05-12:30 PM	Singing Convention—Mon. thru Fri.	4:00-5:00 PM	Daktari (c)—Saturday
9:30-10:00 AM	Space Ghosts (c)—Saturday	12:15-12:45 PM	NFL Highlights (c)—Sunday	5:00-5:30 PM	20th Century—Sunday
10:00-10:30 AM	Camera Three—Sunday	12:30-1:00 PM	As The World Turns—Mon. thru Fri.	5:00-5:30 PM	I've Got A Secret (c)—Saturday

- SPECIALS:** 12/7 "FRANK SINATRA: A MAN AND HIS MUSIC" — Part II 12/13 "NATIONAL GEOGRAPHIC—THE HIDDEN WORLD"
 12/8 "THE GLASS MENAGERIE" 12/18 "HOW THE GRINCH STOLE CHRISTMAS"
 12/9 "THE NUTCRACKER" (COLOR) 6:30-7:30 PM 12/18 "NFL FOOTBALL" (COLOR) 12:15-5:00 PM
 12/11 "A CHARLIE BROWN CHRISTMAS" (COLOR) 6:00-6:30 PM 12/19 "JACK AND THE BEANSTALK" (COLOR) 6:30-7:30 PM
 12/11 "NFL FOOTBALL" (COLOR) 12:00 NOON-5:00 PM

TIME	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
EVENING	5:30 Death Valley Days (c)	CBS Evening News (c)	CBS Evening News (c)	CBS Evening News (c)	CBS Evening News (c)	CBS Evening News (c)	Roger Mudd News
	45 Death Valley Days (c)	with Walter Cronkite	with Walter Cronkite	with Walter Cronkite	with Walter Cronkite	with Walter Cronkite	Roger Mudd News
	6:00 Lassie (c)	Newsbeat	Newsbeat	Newsbeat	Newsbeat	Newsbeat	Newsbeat
	15 Lassie (c)	Radar Weather, Sports	Radar Weather, Sports	Radar Weather, Sports	Radar Weather, Sports	Radar Weather, Sports	Radar Weather, Sports
	30 It's About Time	Gilligan's Island (c)	A Family Affair (c)	Last In Space (c)	Jericho (c)	The Wild, Wild West (c)	Jackie Gleason (c)
	45 It's About Time	Gilligan's Island (c)	A Family Affair (c)	Last In Space (c)	Jericho (c)	The Wild, Wild West (c)	Jackie Gleason (c)
	7:00 Ed Sullivan (c)	Run Buddy Run (c)	Matt Dillon	Lost In Space (c)	Jericho (c)	The Wild, Wild West (c)	Jackie Gleason (c)
	15 Ed Sullivan (c)	Run Buddy Run (c)	Matt Dillon	Lost In Space (c)	Jericho (c)	The Wild, Wild West (c)	Jackie Gleason (c)
	30 Ed Sullivan (c)	Lucy Show (c)	Red Skelton (c)	Beverly Hillsbillies (c)	My Three Sons (c)	Hogan's Heroes (c)	Fistful and Petticoats (c)
	45 Ed Sullivan (c)	Lucy Show (c)	Red Skelton (c)	Beverly Hillsbillies (c)	My Three Sons (c)	Hogan's Heroes (c)	Fistful and Petticoats (c)
8:00 Garry Moore (c)	Andy Griffith (c)	Red Skelton (c)	Green Acres (c)	Thursday Night Movie	Friday Night at Movies	Mission Impossible (c)	
15 Garry Moore (c)	Andy Griffith (c)	Red Skelton (c)	Green Acres (c)	(Most in color)	Friday Night at Movies	Mission Impossible (c)	
30 Garry Moore (c)	Movie of the Week (c)	Petticoat Junction (c)	Gomer Pyle (c)	Thursday Night Movie	Friday Night at Movies	Mission Impossible (c)	
45 Garry Moore (c)	Movie of the Week (c)	Petticoat Junction (c)	Gomer Pyle (c)	(Most in color)	Friday Night at Movies	Mission Impossible (c)	
9:00 Candid Camera (c)	Movie of the Week (c)	CBS News Broadcasts	Danny Kaye (c)	Thursday Night Movie	Friday Night at Movies	Gunsmoke (c)	
15 Candid Camera (c)	Movie of the Week (c)	CBS News Broadcasts	Danny Kaye (c)	(Most in color)	Friday Night at Movies	Gunsmoke (c)	
30 What's My Line (c)	Movie of the Week (c)	CBS News Broadcasts	Danny Kaye (c)	Thursday Night Movie	Friday Night at Movies	Gunsmoke (c)	
45 What's My Line (c)	Movie of the Week (c)	CBS News Broadcasts	Danny Kaye (c)	(Most in color)	Friday Night at Movies	Gunsmoke (c)	
10:00 Sunday Night News	Movie of the Week (c)	Big News	Big News	Big News	Big News	Saturday Night News	
15 Weath., Wood's Waters	Big News	Radar Weather—Sports	Radar Weather—Sports	Radar Weather—Sports	Radar Weather—Sports	Radar Weather—Sports	
30 Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	
45 Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	
11:00 Million Dollar Movie	(starts 12/12)	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	
15 Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	
30 Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	
45 Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	
					12:30 AM Night Train	12:30 AM Night Train	

DAYTIME IS BIG TIME ON "MIKE DOUGLAS SHOW"



9-10 A.M. WEEKDAYS

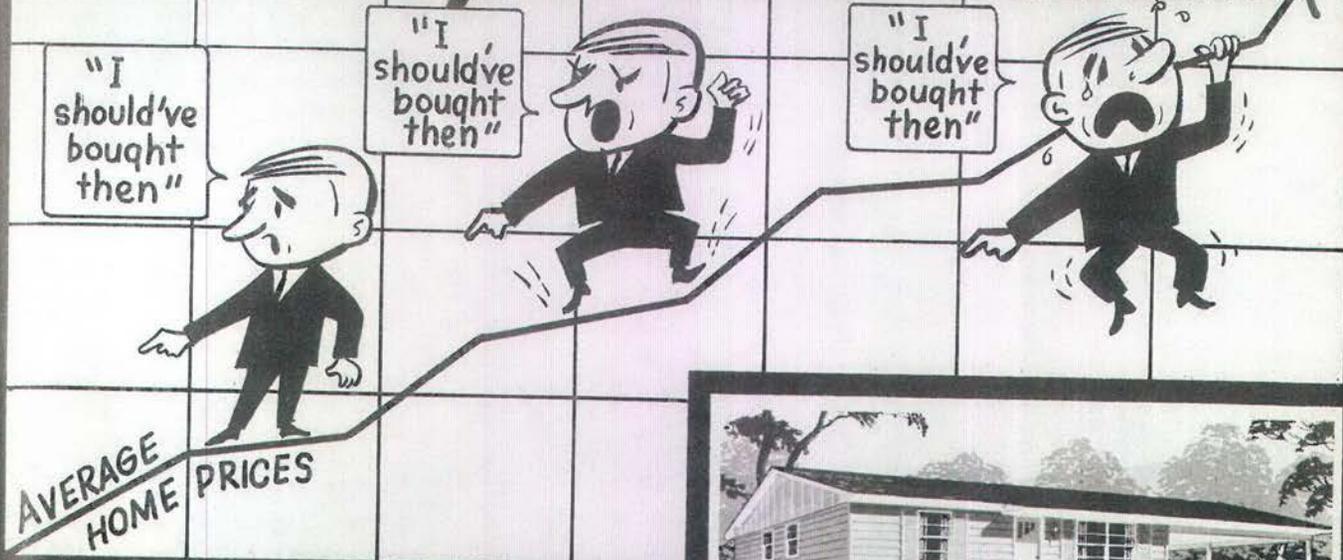
Fun! Fun! Fun every minute during this popular Channel 5 morning program. Mike gets the most from his co-hosts, such as Rosemary Clooney, Ozzie and Harriet, Eddie Fisher, Caesar Romero . . . and many more outstanding show-business personalities. His guests, too, thanks to Mike's sharp emceeing, give their all. A recent guest was Vice President Hubert H. Humphrey who took a few minutes from his busy schedule to appear on Mike's show. See this informal, relaxed hour each weekday morning. The Mike Douglas Show, Mondays thru Fridays, 9:00 to 10:00 A.M. on Channel 5.

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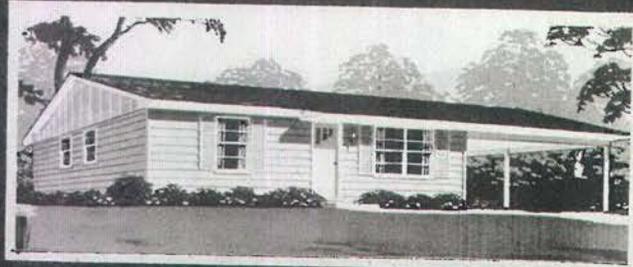
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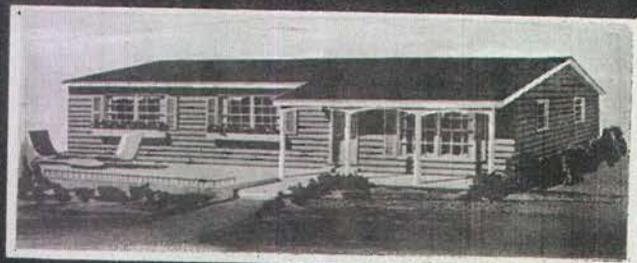


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CONTENTS

To The Point.....	4
Free Stall Housing.....	6
Your Co-op Section.....	8
Timely Topics.....	10
Uncle John.....	11
Food, Facts, Fashions.....	12
TECA Annual Meeting.....	14
89th Congress.....	16&18
A Garden Lost.....	20

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One Solitary Life

He was born in an obscure village, the child of a peasant woman.

He grew up in still another village, where he worked in a carpenter shop until He was thirty. Then for three years He was an itinerant preacher.

He never wrote a book. He never held an office. He never had a family or owned a house. He didn't go to college. He never visited a big city.

He never traveled two hundred miles from the place where He was born. He did none of the things one usually associates with greatness.

He had no credentials but Himself.

He was only thirty-three when the tide of public opinion turned against Him. His friends ran away. He was turned over to His enemies and went through the mockery of a trial. He was nailed to a cross between two thieves. While He was dying, his executioners gambled for his clothing, the only property He had on earth.

When He was dead, He was laid in a borrowed grave through the pity of a friend.

Nineteen centuries have come and gone, and today He is the central figure of the human race and the leader of mankind's progress. All the armies that ever marched, all the navies that ever sailed, all the parliaments that ever sat, all the kings that ever reigned, put together, have not affected the life of man on this earth as much as that *ONE SOLITARY LIFE*.



ON THE COVER

Beautifying our December Cover are Linda Vaughn of Rogersville, center, the new "Miss Tennessee Electric Co-op" for 1966, 1st Alternate Linda Tuggle of Shop Springs, left, and 2nd Alternate Janice Faye Rhoten of Linchburg. (Color Photo by Joseph Sloan, Director Member Service, MTEMC.)

CAN YOUR PRESENT HEALTH INSURANCE PAY TODAY'S HIGH COSTS? . . .

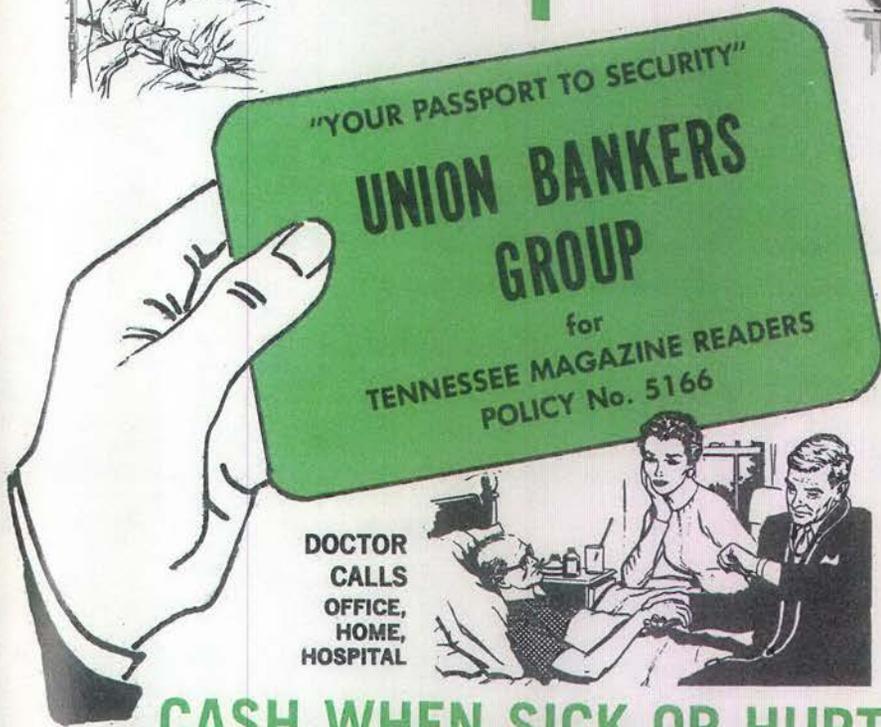
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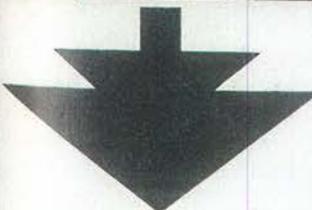
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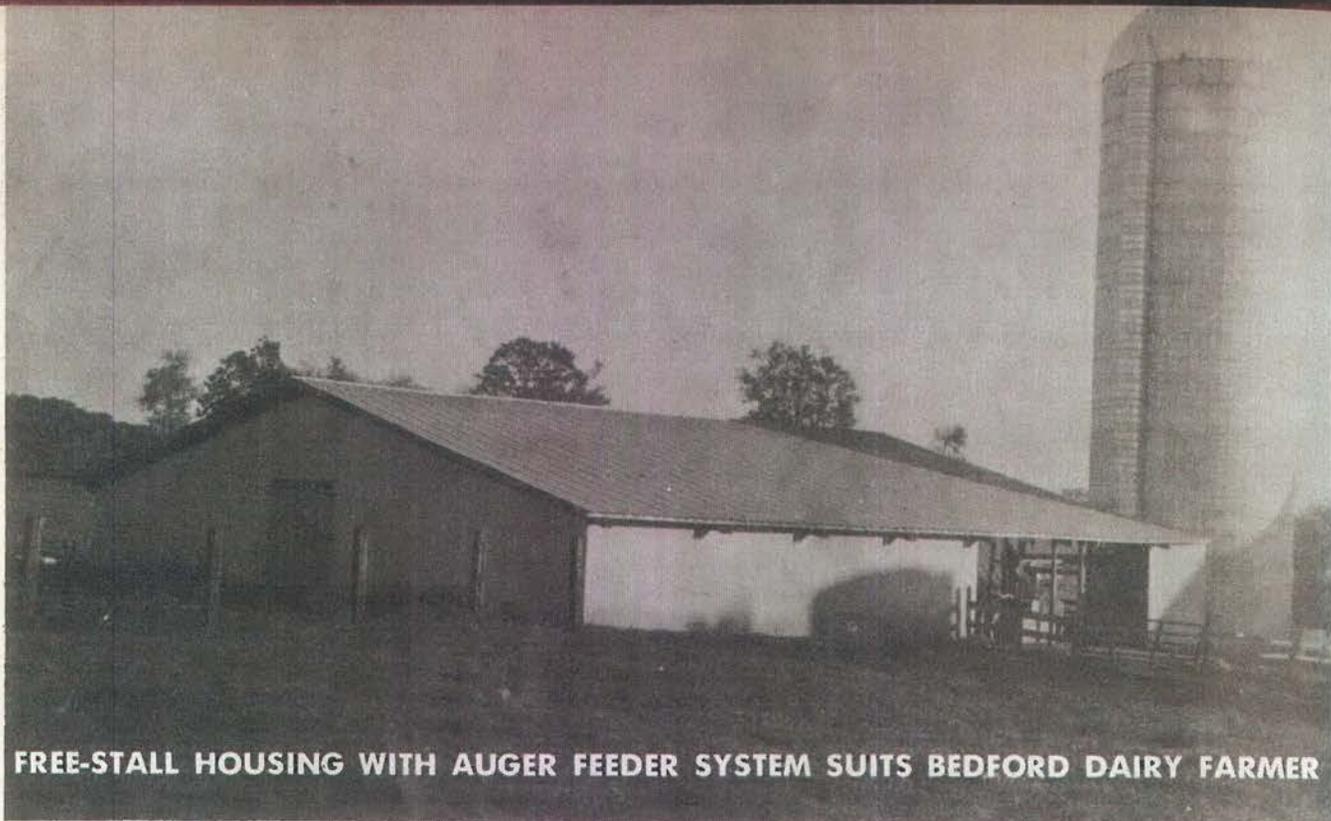
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FREE-STALL HOUSING WITH AUGER FEEDER SYSTEM SUITS BEDFORD DAIRY FARMER

By: C. M. Lorance

*Utilization Supervisor
Duck River
Electric Membership Corp.*

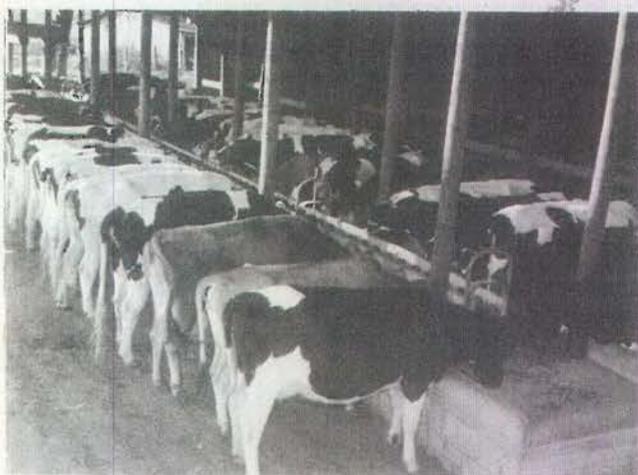
A new look in dairying is the use of free-stall housing for dairy cattle and push-button feeding, all wrapped up into one building. Estell Draper, Jr., Bedford County farmer, joined the ranks of the 'new look' dairymen two years ago.

Estell, a U. T. graduate in Engineering, who went into full-time farming after his discharge from military service in World War II, started his dairying

operation in 1952 and updated his system to Grade "A" level five years later. When the concept of free stalls in barns for dairy cattle housing was developed a few years ago, he and his wife started studying the merits of this system and evaluated the potential of such a plan for their operation.

A year and one-half was spent by them in studying the free-stall idea. Being avid students of dairy farming and willing to adopt and innovate ideas, which would improve the efficiency and profits from their operation, the Drapers decided to give the new system a

try. They backed up their opinions with action in 1964 by building a new confinement dairy center. After weighing the plus and minus factors of converting conventional loose housing space in an old barn, they decided on building a new structure. Mrs. Draper said, "At first we were a little concerned about how well the free-stall system would work, but it has exceeded our fondest expectations." Estell added, "However, each farmer must adopt to his own individual needs, as what works well for us might not be feasible in another situation."



An automatic waterer, with a de-icer, is used to provide an abundance of water at all times for the Draper dairy herd.



Estell Draper has taken the drudgery out of cleaning manure from aisles and apron around the auger feeder in his dairying operation with this scraper equipment which hooks onto a tractor.



Estell Draper, Jr., Bedford County dairy farmer, handles the chore of feeding silage to his dairy herd by pushing the button on this 7.5 hp unloader into the silage by the gradual turn of a lever. The degree of load on the motor is regulated by the ammeter seen above the switch station.

The Drapers' free-stall housing quarters for dairy cattle is one of the first installations of its kind in Bedford County. The pole-type building with metal siding and

roofing is 75 ft. by 75 ft. Sixty-seven stalls, each 3½ ft. by 7 ft., with sloped aisles, automatic waterer, and auger feeder, are under one roof.

Corn silage is moved from the 529-ton silo adjacent to the building by a conveyor from the silo to the auger feeder. It takes one person about 15 minutes a day to supervise and push-button the silage feeding of the 55-cow herd with a 7.5 hp silo unloader. An ammeter adjacent to the switch panel at the base of the silo is used to regulate the load on the silo unloader motor.

Cows get their drinking water from a 200-gallon concrete tank located at the end of the center section of stalls. A de-icer is used in the winter months. Concrete is used in the floor of the aisles between the free-stall barn and Grade "A" milk parlor. An aisle is left open around the ends of center stalls to prevent larger cows from cornering the smaller animals.

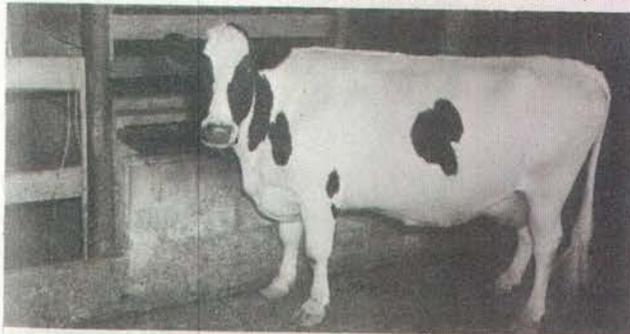
The Drapers are now in the third year of operating their free-stall housing for dairy cattle. They pointed out these advantages of the system:

- *Big savings in bedding needs, and costs.*

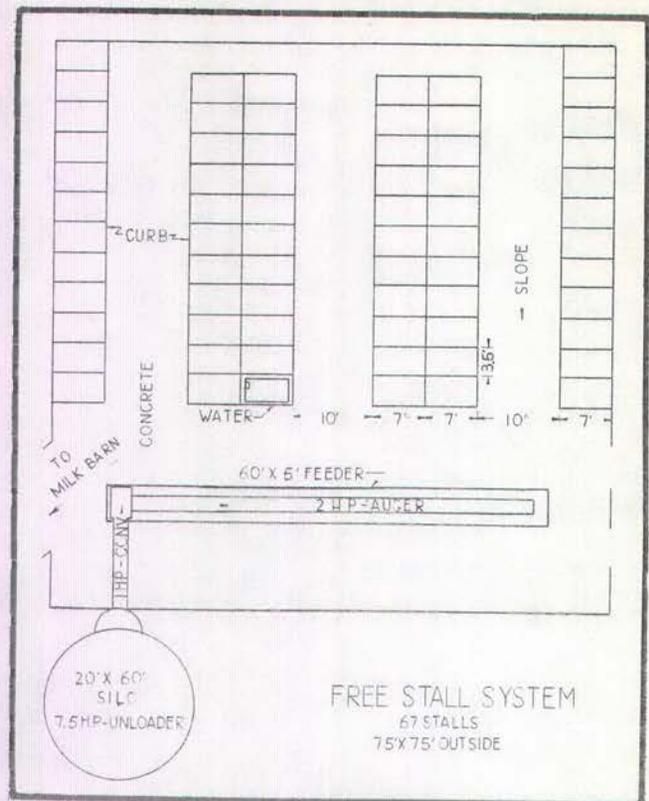
- *Reduced area required per cow.*
- *More uniform chore distribution.*
- *Less chance of udder injury.*
- *Cows stay cleaner which reduces time and effort in preparing them for milking.*
- *Increases quality of milk which means higher income.*
- *Makes cleaning of manure easier and faster with tractor scraper.*

Estell pointed out that changing over to a free-stall housing system involves a considerable investment and suggests deliberate preplanning as a prerequisite to a satisfactory installation. Management cannot be relaxed. Check with your County Agent about plans and other details of this 'new look' system. It could be a good move for you!

The Drapers are typical of the progressive farm families who are members of Duck River Electric Co-op and using low-cost electricity abundantly in their farming operations. Electricity does chores faster, easier, more economically, and efficiently for them. A central meter pole service provides electric power to the Draper farmstead.



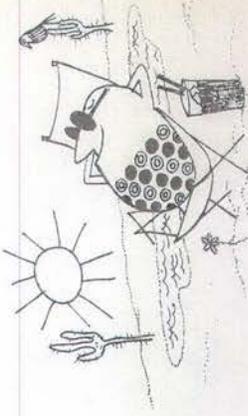
An auger feeder simplifies silage feeding to Estell Draper's dairy herd. His herd ratio - one Jersey cow to two Holstein cows. Free-stall housing is seen in the background.



FREE-STALL HOUSING FOR DAIRY CATTLE

Here is a floor plan sketch of the 'free-stall housing' system owned by Estell Draper, Jr., Bedford County dairy farmer.

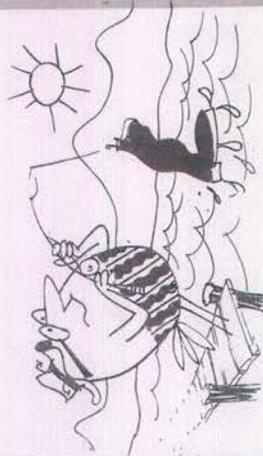
WATER IS A REALLY NICE ITEM



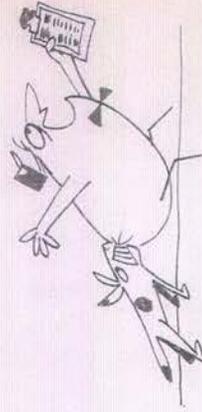
Water is essential. It is needed for drowning. Makes a swell oasis.



Highly recommended for rowing on, swimming in and washing with.



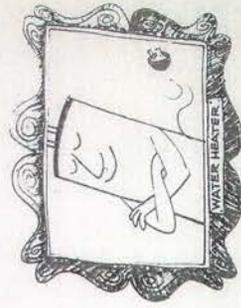
Water is highly favored by fish, stumps, rubber boots and parched tongues.



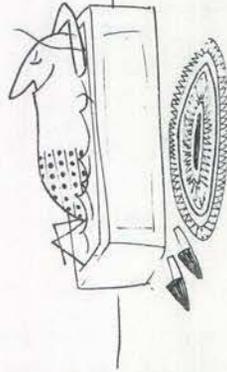
Frozen water was responsible for the ice man, about whom many lousy jokes have been heard. He was replaced by the meter man, who is taken more seriously.



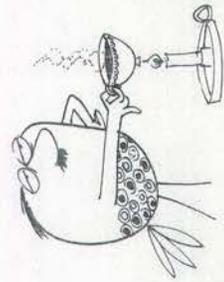
Except for vast dry areas, water is prevalent everywhere. Under foot and roofs with holes; over head; in stocks; on knees and brains; by beaches.



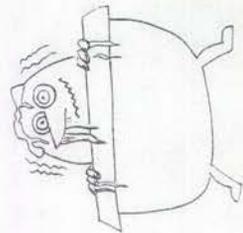
And because we are for hot water, we are also for the appliance that provides it, the appliance named, with inspired simplicity, the water heater.



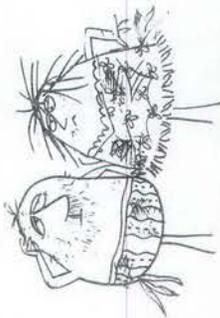
And then there is hot. Some like it hot. We like it hot, and it's about hot, mostly, that we want to talk. So please read on.



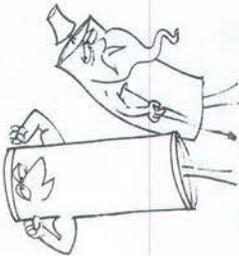
Tepid too. Tepid is mild, tepid is harmless, but it isn't good for much. For coffee it is awful.



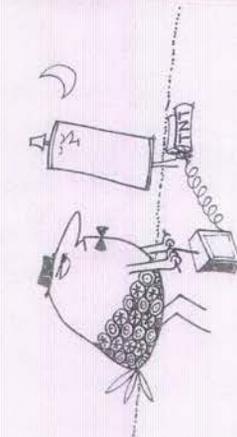
There are many kinds of water. Branch, Spring, Standing, Running, Falling, Hard, Soft, Clean, Dirty, Dish and Cold. Lots of cold.



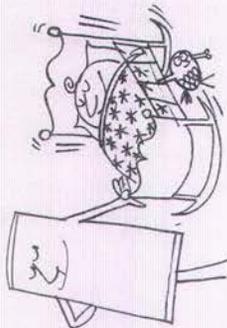
Without hot water, Americans would soon be in serious trouble. Not only that, they would be dirty. To stay clean without it would be unthinkable. Absolutely unthinkable.



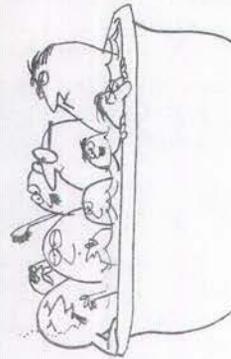
Hot water assists us during almost every hour of our lives. And that is why we are for water heaters. Not just any old water heaters; we are prejudiced. No secret about that.



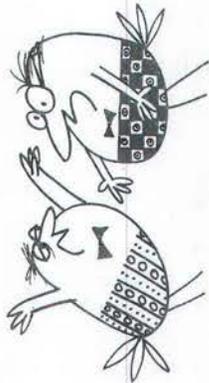
Electricity is clean and quiet — no soot, no "blast on," and "blast off" noises.



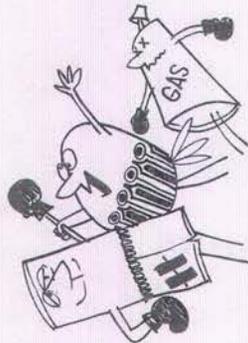
The electric water heater can be placed in any room of the house.



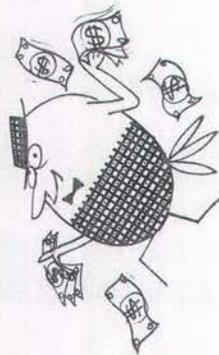
The electric water heater can produce all the hot water your family needs at low cost not only because it is efficient (100 per cent of electric energy that goes into the water heater is transferred to the water. None of it goes up the chimney...)



We have our reasons. Did you know that the cost of gas fuel has increased 20 percent relative to the cost of electricity during the past decade? We believe this trend will continue.



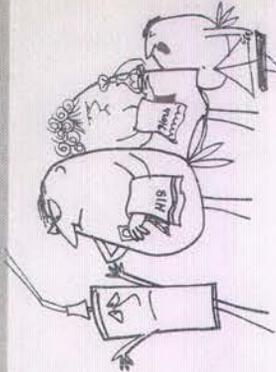
Electric heaters are more durable.



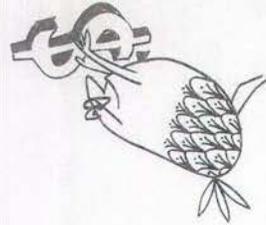
In the long run or the short run (anything but the dry run) it will save you money.



There are other reasons. Electric heaters are flameless and fume-free. They need little or no attention, have no pilot light, no sticking valve, no moving parts.



Water heated by electricity is ready for immediate use because there is a source of heat at the top of the tank, which happens to be where the water is drawn off.



Hang it all, that's the truth.

Adapted from an illustrated talk by Philip J. Drieci, marketing manager, Hotpoint kitchen appliance department.

Timely Topics

ALFALFA AIDED BY GRAZING AFTER KILLING FROST

Alfalfa fields can be grazed after the first killing frost to utilize the extra growth and to help control the alfalfa weevil.

"Most farmers have found fewer alfalfa weevils in the grazed areas," says Joe D. Burns, University of Tennessee Extension agronomist. "However, it still has usually taken flaming plus one or two spray applications to control the weevil in Middle and East Tennessee, where the weevil population is highest."

Continuous grazing for long periods during the winter tends to trample and injure the alfalfa crowns, he adds, whereas short periods of heavy grazing helps use the growth and assist in weevil control.

"Be sure to fertilize and lime alfalfa by soil test recommendations this fall," advises Burns. "The alfalfa plants will be able to better survive the rough winter conditions and will be in much better condition to give fast growth in the spring in order to resist the alfalfa weevil."

HEATING CABLES PREVENT WINTER FREEZE PROBLEMS

Water freeze-up problems around the farm and home can often be prevented by using an inexpensive electric heating cable, according to Kenneth E. DeBusk, University of Tennessee Extension assistant agricultural engineer.

"Some places are especially vulnerable to winter freeze-up, such as a short section of exposed pipe in an unheated part of the barn or an outside faucet that must operate," he says. "All that is needed is to wrap the cable around the pipe in spiral fashion. The cable can be bought in a wide range of lengths to suit the job."

It is best to wrap some kind of insulating material around the cable to conserve heat and electricity, adds the engineer. If even more economy and freedom from supervision is desired, a thermostat with a bulb sensing element can be used. This will automatically control the on-off operation of the cable.

JUNIOR DAIRY HERDS WIN TWO TOP NATIONAL PRIZES

First place state dairy herds were shown by Tennessee 4-H and FFA members in two national dairy shows just completed, reports the University of Tennessee Extension dairy staff.

The youthful Tennesseans had the top herd of Guernsey cows at the National Guernsey show held at Memphis recently, with 11 states competing. The prize cows were owned by Judy Bowden, of Memphis; Robert Housley, Riceville; and Fred Stickley, Bluff City. Miss Bowden's cow was Grand Champion of the Junior Show, while Kathy Payne, Greeneville, showed the Reserve Junior Champion. A Junior yearling heifer owned by Allen Thomas, Bristol, was first in her class.

Tennessee Juniors had the top place herd of Jerseys at the All American Junior Jersey Show at Columbus, Ohio, in mid-

October. Cows in the championship herd were owned by the following 4-H members: Randy Butler, Knox County; Loretta Armentrout, Washington County; Connie Cummings, Sumner County; Robert Mayfield and C. Scott Mayfield, Jr., McMinn County. Ten state herds competed in this event.

In the individual classes, Randy Butler had the Junior Champion and Connie Cummings showed the Reserve Grand Champion.

The Tennessee Junior herds were supervised by the UT Extension dairy staff, in cooperation with members of the various breed associations.

GET READY NOW FOR STRAWBERRY PLANT SETTING

Clear new land or do necessary plowing of old land before Christmas and order your strawberry plants now to prepare for planting next spring.

"Early plowing aids in getting your land ready for planting at the most favorable period—late February to early March, and ordering your plants now will assure you the plants when you need them," says J. J. Bird, University of Tennessee Extension horticulturist.

Disking only will be sufficient to prepare land for setting, but waiting for the weather to be right for land turning usually results in delayed settings, he adds. One of the best guarantees for high yielding strawberry bed development is early setting in the spring.

"Get your name on the dotted line NOW for strawberry plant delivery about the middle of February," advises Bird. "Early delivery of plants insures against breaking plant dormancy, which occurs too often with late delivered plants."

Two to three times Tennessee's present acreage of strawberries can be marketed profitably in the state, he adds.

DO NOT OVERHEAT THE CORN YOU DRY

As more Tennessee farmers use heat to dry corn, evidences of improper drying are appearing, reports Kenneth E. DeBusk, assistant agricultural engineer with the University of Tennessee Agricultural Extension Service.

"Improper drying causes excessively hard kernels, increases kernel breakage and impairs milling properties," he points out.

Overheating is the big villain in corn drying, explains DeBusk. For the commercial market, corn grain temperatures should not exceed 140 degrees F. Tests indicate that when corn gets too hot during drying, the separation of starch and gluten is difficult. This is why the corn is less desirable for certain manufacturing purposes when it has been overheated.

Manufacturers who use corn as the raw material for their products do not oppose the use of heat for drying—they dry millions of bushels of corn themselves, adds the engineer. However, there are indications that in the future they may avoid buying corn in areas where farmers consistently overheat corn.

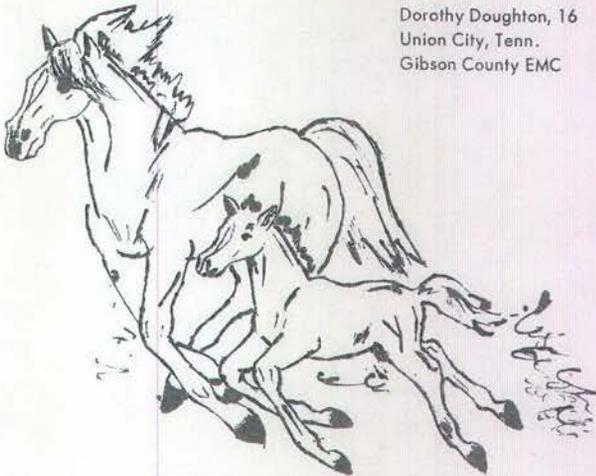
"Artificial drying will become a more exact process in the future," says DeBusk. "Current knowledge indicates that corn growers can serve themselves and their cash customers by using proper drying methods."

Uncle John's Page

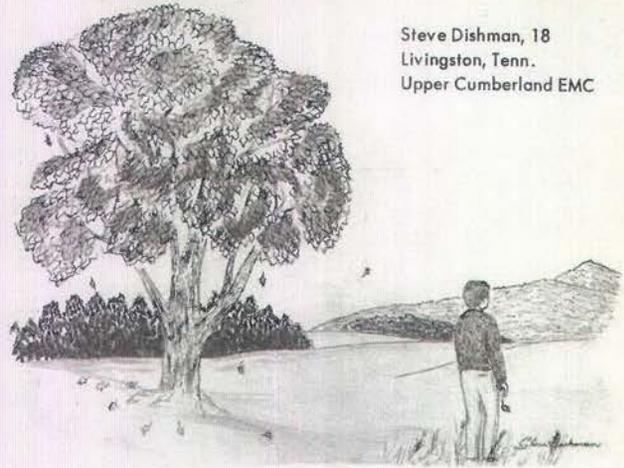
This page is reserved for the young folks. We will pay one dollar for each poem or drawing published. ALL WORK MUST BE ORIGINAL. Drawings should be in black, and drawn on white, unlined paper. Tell us your age, address, and Electric Co-op, and

Send all items to:

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Dorothy Doughton, 16
Union City, Tenn.
Gibson County EMC



Steve Dishman, 18
Livingston, Tenn.
Upper Cumberland EMC

Peggy Joann Lawrence
Rt. 1 Cotton town, Tenn.
Cumberland EMC



YULE REMEMBRANCES

Every time I see a star
As this Christmas time nears,
I think of the one so long ago
As to the wise men it appeared.

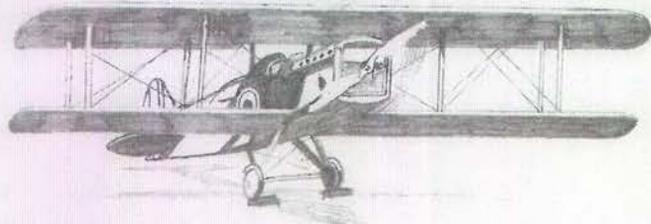
Every time I hear a carol
As this Christmas time nears,
I think of the ones the angels sang
To the shepherds to calm their fears.

Every time I see a baby
As this Christmas time nears,
I remember the Christ-Child
For whom men had waited for years.

And every time I think of these things
I realize how much we owe
To our Creator Who sent us His Son
To save us from our sin and its woe.

Beverly Mullis, 16
Blue Ridge, Ga.
Tri-State Electric Co-op

Mary McDaniel, 16
Rt. 1, Selmer, Tenn.
Pickwick Electric Co-op



Michael Scott Allen, 15
Estill Springs, Tenn.
Duck River EMC

Christmas is Coming... Christmas is Coming...

*"For somehow, not only at Christmas,
But all the long year through,
The joy that you give to others
Is the joy that comes back to you."* **Whittier**

As the Yuletide season draws near and we ponder the giving of gifts, we are often beset by doubts as to what a person would like or need. Looking over the wonderful array of electric housewares, hand tools, toys and personal items, no potential Santa Claus need be in doubt this year.

Electric housewares are perfect as Christmas gifts because there is something to satisfy the tastes and needs of everyone. Children, teenagers, mom and dad, grandpa and grandma are delighted to receive electric gifts. So few other types of gifts embody all the elements of the "perfect gift"—surprising, exciting, attractive, useful, and durable. Electric gifts possess these elements and more—the user will remember your good taste and thoughtfulness the year 'round.

Perhaps our pictures of gifts you can buy and gifts already in use will give you some helpful ideas as you choose gifts for your family and friends this month. There are 188 different electric gift items for a price that suits every pocketbook. And—you can "spread joy with electric gifts."



For the youngest in the family, you will find many new electric toys—some which plug right in to a wall outlet, some which are battery-powered. Here, Mrs. Dave Buchanan (left), and Mrs. Sam Pinkston are shown unpacking and displaying several of these toys at Grant's in Franklin.

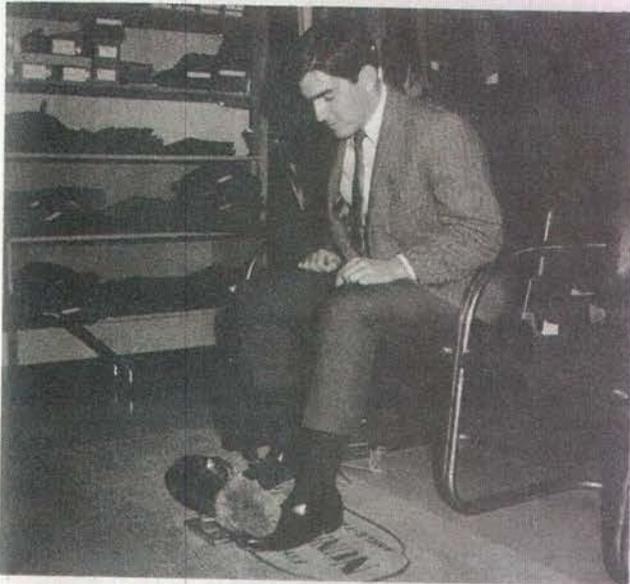


Little Jimmy Short, son of Mr. & Mrs. Walter Short, Franklin, is showing us how pleased he is to let his playmates use his electric blanket. He has already set the control, which you see on top of the blanket, to keep them comfortable. The electric blanket is engineered to keep you comfortable in either a cold or warm room, and is very easy to take care of.



Mrs. Houston McCartney is showing us a gift which she is enjoying, the electric can opener. Mrs. McCartney lives in the Bartons Creek community near Lebanon. The electric can opener is a great time and labor-saver. Some models are wall-mounted; some are combined with a knife and scissors sharpener.

Broad Joy with Electric Gifts...



Here, Jim Ladas is showing how to use the electric shoe shine brush, which is one of the newest electric appliances. This would make a nice gift for the man "who has everything." Mr. Ladas lives at Castle Heights Ave. in Lebanon, and is shown here at John Hatcher's Clothing Store in Lebanon.



Mrs. Ruth Mosley (right), clerk at Greenfield's in Murfreesboro, is showing Mrs. Ruth Hinnant, Route 5, Murfreesboro, the new features of the electric frypan. It is teflon-treated to prevent sticking and to make it easier to clean. Also it has the high-dome top which makes it convenient for cooking large roasts.



For the man of the house, here is the portable electric saw. Mr. Logan Bogle (left), a clerk at Osborn-Harrell-Hoover Hardware in Murfreesboro, is showing it to Mr. Hershel Patterson, Route 1, Readyville. This is a very handy tool for the woodwork hobbyist or the do-it-yourselfer.

For the lucky person who receives an electric gift for Christmas, just a little bit of sage advice. Don't overlook or forget about the care-and-instruction book that came with your appliance. And don't forget to send the warranty to the manufacturer.

A great deal of time has been put into that book by experts to show you how to get the best results with your new appliance. The tips on care will make it last longer and give you better service. The instructions will suggest many ways in which you can use it and use it properly, and will keep you from making mistakes.

But to receive the greatest value and enjoyment from that new electric appliance, you must send in the warranty promptly. Chances are excellent that you won't get a defective appliance. However, if you do and you haven't sent your warranty to the manufacturer, you have only yourself to blame when you have to pay repair costs.

Make a New Year's resolution for 1967—"Mail in all your appliance warranties and read all the instruction booklets before you use your new electric gift."

By Patsy Myers, Home Economist
Middle Tennessee Electric Membership Corporation



TECA Executive Manager J. C. Hundley delivers his annual report. Listening attentively at left is Thomas Hutchinson, Secretary-Treasurer of organization.



Retiring President William Towers, Manager of Holston Electric Co-op, Rogersville, presents gavel to newly elected President John Dolinger, Manager of Cumberland EMC, Clarksville. Seated is TECA Vice President Robert Rooks, Trustee of Southwest Tennessee EMC, Brownsville.

TECA'S ANNUAL MEETING



One of major addresses of meeting was delivered by Donald O. McBride, Director of the Tennessee Valley Authority.

By John Stanford

Upwards of 400 Tennessee electric co-op Trustees, Managers, key employees, wives and friends of the state's cooperative electrification program convened in Nashville in late October for the 25th Annual Meeting of the Tennessee Electric Cooperative Association. Theme of the meeting, appropriately enough, was "Silver Anniversary of Cooperation."

Officer reports early in the meeting were made by President William Towers, Manager of Holston Electric Co-op, Rogersville; TECA Executive Manager J.C. Hundley, Nashville, and

Secretary-Treasurer Thomas Hutchinson Trustee of Middle Tennessee EMC, Murfreesboro.

Among the outstanding addresses delivered during the 2-day meeting were those made by Senatorial Candidates Frank Clement and Howard Baker, Jr.; Donald O. McBride, Director of the Tennessee Valley Authority; C. H. Bartlett, Vice President of the Westinghouse Electric Corporation; and a panel on "Management of Personnel and Change" comprised of Moderator Wesley Jackson, Manager of Tennessee Valley Electric Co-op, Savannah; W.W. McMaster, Manager



A surprised but highly deserving recipient of a Plaque of Appreciation from TECA was Nat Caldwell (center), staff writer for the *Nashville Tennessean* and long-time supporter of cooperative rural electrification. Making the award was Paul Tidwell (left), President of the National Rural Electric Cooperative Association and Manager of Meriwether Lewis Electric Co-op, Centerville. At right, seated, is Robert Rooks, TECA Vice President.

of Gibson County EMC, Murfreesboro; James C. Milton, Manager of Gibson County EMC, Trenton; John Rutherford, Manager of Mountain Electric Co-op, Mountain City; and William M. Roberts, Manager of Pickwick Electric Co-op, Selmer.

Miss Barbara Hinton, competing as the local winner of an Essay Contest sponsored by Cumberland EMC, was announced as the second winner of the Statewide Essay Contest sponsored by Tennessee Electric Cooperative Association, which will award her a \$500 scholarship upon enrollment at the college of her choice. (Miss Hinton's

prize winning essay will be printed in the January issue of The Tennessee Magazine.)

In another Statewide youth contest originating with local electric systems, Miss Linda Faye Vaughn of Rogersville was chosen as "Miss Tennessee Electric Co-ops" for 1966. Miss Vaughn, a 17-year-old, 5ft.-7-inch blonde, represented Holston Electric Co-op in the contest. With her victory Miss Vaughn won a \$150 cash prize, an engraved silver center piece and an expenses-paid trip to San Francisco, California in February to compete in the "Miss National" Co-op beauty contest.

Runner-up in the beauty contest and winner of \$100 and a silver prize was Miss Linda Tuggle of Shop Springs, who competed as Miss Middle Tennessee EMC. Third place, a silver prize and \$50 went to Miss Janice Faye Rhoten of Lynchburg, who represented Duck River EMC.

Other beauty contestants, all of whom received silver prizes, were Marilyn Davis of Tiptonville (Miss Gibson County EMC); Catherine Muse of Mountain City (Miss Mountain); Linda Elizabeth Moore of New Tazewell (Miss Powell Valley) and Patricia Carruth of Turtletown (Miss Tri-State). All contestants are daughters of electric co-op members.

A special Plaque of Appreciation was awarded to Nat Caldwell, staff writer of The Nashville Tennessean, for his many years of editorial support and promotion of the cooperative rural electrification program to the betterment of his state and nation.

Resolutions adopted by voting delegates included praise for Tennessee's Congressional Delegation, called for continuing resource development in the state and reaffirmed its stand in support of a Federal Bank for Electric Systems. Delegates also shortened the name of the Statewide organization to Tennessee

Electric Cooperative Association, dropping the word "rural". TECA is a state association of electric co-ops which include a number of a small towns as well as most of Tennessee's rural areas in their total service areas.

Elected to the Presidency of TECA was John Dolinger, Manager of Cumberland EMC, Clarksville. Re-elected Vice President was Robert Rooks, Trustee of Southwest Tennessee EMC, Brownsville. Also re-elected to office was Secretary-Treasurer Thomas Hutchinson, Trustee of Middle Tennessee EMC, Murfreesboro. Retiring President William Towers remained on the Statewide Board of Trustees as a representative of the Eastern grand division. Elected, or re-elected to the Board, were James Milton, Manager of Gibson County EMC, Trenton; Hershel Apple, Manager of Duck River EMC, Shelbyville; and J. Fred Bacon, Trustee of Volunteer Electric Co-op, Decatur.



Linda Vaughn, later to be chosen as "Miss Tennessee Electric Co-ops" for 1966, is interviewed by Master of Ceremonies John Stanford, as were all contestants.



Howard H. Baker, Jr., then Republican candidate for the U. S. Senate who was later elected as Tennessee's junior Senator from Tennessee, was a principal speaker on the first day's program.

IS SILVER ANNIVERSARY

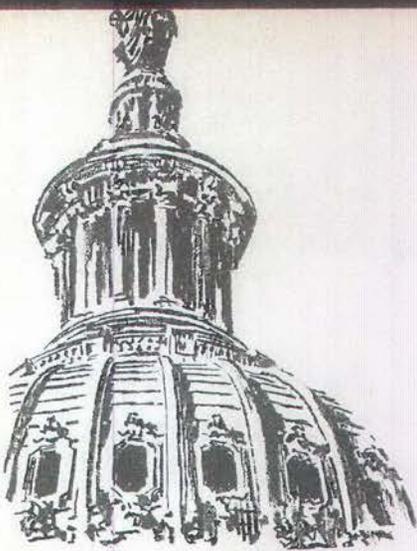


Governor Frank Clement addressed the convention as the state's chief executive and as the Democratic party's candidate for the U. S. Senate.



Appearing on a special management panel were (l-to-r) James Milton, Manager of Gibson County EMC; Wesley Jackson, Manager of Tennessee Valley EC; William Roberts, Manager of Pickwick EC; John Rutherford, Manager of Mountain EC; and W. W. McMaster, Manager of Middle Tennessee EMC.

Pictures by Joe Sloan



RURAL ELECTRICS and THE 89th

By Kermit Overby,
Director Legislative and
Research Department NRECA

All things considered, the 89th Congress must get a good rating as far as the rural electrification program is concerned. "B-plus" would be a good description.

Some people may question such a high grade, pointing to the fact that Congress did not enact the much-wanted legislation to provide supplemental financing for rural electric systems. Electric cooperative leaders were naturally disappointed that the bill died in committee, but progress was made nevertheless.

The bill for a supplemental financing program is considered major legislation; its provisions are complicated. With any such legislation it takes time for a Congressman to fully understand what is involved, get reaction from his constituents, and then make up his mind how to vote. And on the financing bill, this process was prolonged by the all-out opposition from the private power industry.

But when the 89th Congress ended in October, its members were far more aware of why co-ops need supplemental financing than they were when the bill was introduced last spring. So this is progress and I believe it will help immeasurably to speed action on the bill when the next Congress convenes next month.

On other legislative affairs, the 89th worked hard for programs vital to electric co-op members. Funds appropriated for REA loans, the wherewithal for low-cost rural electricity, were increased over Administration recommendations. The Federal power program, another major factor in low electric rates, was strengthened. Advances were made in rural areas development efforts and in anti-poverty programs.

So far rural electrics, this Congress

was one of mixed blessings. It did show convincingly, however, that there is a need for more determination, more unity and more effort on the part of all rural electric members if the legislative efforts of the program are to be reached.

Here is a brief run-down of the major issues affecting rural electrification which were considered in the last Congress.

Appropriations

Rural electric cooperatives were again successful in convincing Congress to increase appropriations for electric loan funds over the amount recommended by the Administration. For fiscal 1967, \$375-million was appropriated, an increase of \$10-million over the appropriation for fiscal 1966. While the 1967 electric loan fund total represents an increase of \$155-million over the 1967 budget request, it is considerably below NRECA's estimate of capital needs of the rural electrics for the current year. Of the amount appropriated, \$30-million was placed in contingency reserve.

Again this year, the Appropriations Committees did not place additional restrictions on administration of the electric loan program. Instead, the Senate Appropriations Committee, at the urging of Senator Yarborough of Texas, and other key members of the Committee, included language clari-

fying procedures which had been recommended in its 1964 report for REA to follow in considering applications for generation and transmission loans. The Senate Committee made clear that the REA Administrator is not required to solicit offers from all area power companies in the case of subsequent loans to existing G&T cooperatives.

Supplemental Financing Legislation

The drive rural electrics mounted to get supplemental financing legislation ran head on into the overwhelming opposition unleashed by the power companies. Despite the stalemate, however, the work had its good results—results of an educational nature which should make for better progress in the new 90th Congress.

Supplemental financing first hit Congress in March when Rep. W. R. Poage of Texas introduced his bill. Companion bills were subsequently introduced by Reps. Wilburn Mills of Arkansas, Gale Schisler of Illinois, and William Anderson of Tennessee.

The Administration's supplemental financing proposal, sent to Congress in mid-April, was sponsored by Rep. Harold Cooley of North Carolina. Rep. Ralph Harvey, Ind., also introduced a pair of bills to provide supplemental financing of rural electric cooperatives within the Farm Credit Administration framework.

In the Senate, Senators John Sherman

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Cooper of Kentucky and Ross Bass of Tennessee were joined by 26 other Senators in co-sponsoring REA Supplemental financing legislation.

The House Agriculture Committee began public hearings on the pending bills May 31. After nine days of open hearings held at various intervals through July 13, the bills, along with a committee print of Rep. Cooley's bill incorporating amendments suggested by Committee members and public witnesses, were referred to Rep. Poage's Subcommittee on Conservation and Credit.

The Subcommittee continued consideration of the legislation in executive session. Additional committee prints of the pending bills, incorporating further amendments offered by both proponents and opponents, were considered. Prior to the adjournment of Congress, a new committee print, based on the original Poage and Cooley bills and incorporating modifications of previously offered amendments, was made available in order to give the full Committee and the public an opportunity to familiarize themselves with the legislation during the two months before the new Congress convenes in January, 1967.

The Senate Subcommittee on Agricultural Credit and Rural Electrification held five days of preliminary hearings in mid-August on bills co-sponsored by Senators Cooper, Bass and other Senators. No further action was taken.

Federal Power Commission

During the first session of the 89th Congress, the Senate passed a bill to make clear that electric cooperatives are not subject to Federal Power Commission jurisdiction. This legislation was then sent to the House Interstate and Foreign Commerce Committee and remained there throughout the entire second session.

In the House Committee the bill was severely mutilated by the addition of a power company amendment. Whatever the purpose of this amendment, it succeeded in keeping the rural electric legislation bottled up until the end since no one was particularly happy with the resultant bill.

With Congress now adjourned, the main hope for resolution of the issue is that the Federal Power Commission dismiss its pending proceeding aimed at asserting jurisdiction over REA-financed systems. There, of course, is no assurance this will happen though the FPC had let it be known it had delayed action as long as legislation was pending.

The Federal power program was implemented with the passage of the 1966 Rivers and Harbors and Floor Control Act that includes authorization of the 310,000 kw Trotters Shoals project in South Carolina and Georgia. The \$4.13-billion Public Works Appropriation bill contains \$1.1-million for continuation of planning of the 794,000 kw

Dickey-Lincoln School project which is the first major Federal power project in the northeastern section of the country. Funds are also included for initiating construction of the 60,000 kw Snettisham project in Alaska, and \$450,000 was appropriated to begin the 345 kv line from F. Thompson, S. Dak. to Grand Island, Nebr.

The ceiling on TVA's authority to issue revenue bonds and notes to fi-

nance its power programs was raised by \$1-billion. Legislation to authorize construction of two large power dams in the vicinity of the Grand Canyon as part of the \$1.7-billion Colorado River Basin project died in committee. Congress also authorized and appropriated funds to begin construction of a third power plant at Grand Coulee Dam, Washington, which will increase its generating capacity to 5.6-million kw.

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cut fenceposts?
clear land?
thin trees?



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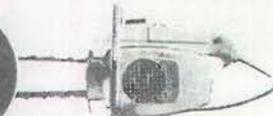
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BIRMINGHAM, ALABAMA



THE 89th CONGRESS and TENNESSEE

By **Albert Gore**
United States Senator

Tennessee fared well this year in approval of funds for resource and economic development in the State. A bill was passed increasing the authority of the TVA to issue its own bonds to finance facilities to meet expanding power needs of the area. Funds were appropriated to begin construction of the Tellico Dam, to continue construction of the Tims Ford Dam, and to continue development of the Between-the-Lakes Park.

Funds were approved to continue construction of the Percy Priest and Cordell Hull dams. New construction was authorized for Millington Naval Air Station. Completion of dredging work in the river at Memphis paves the way for a start on a new Mississippi bridge there.

A number of Tennessee communities received financial assistance to help provide needed community services—water and sewer systems, urban renewal, housing, etc. Such improvements help attract industry and create jobs. They also make Tennessee towns and cities, large and small, a better place in which to live.

Measured in terms of the number of major bills passed, the 89th Congress was one of the most productive in history. It was also one of the longest. The first session ended on October 23, 1965, and the second session lasted until October 22, 1966. Thus the 89th was in session for almost twenty months of its two-year life.

Of the thousands of bills introduced, several hundred were passed. Most of

them were of minor significance, but a number of major bills were enacted into law. Among other things, the Congress, during the 1966 session:

- Substantially increased funds allocated to education—
- Created a new Department of Transportation—
- Passed a bill to provide an increase in the minimum wage—
- Enacted a Cold War G.I. Bill for veterans of the Cold War—
- Passed a "Truth in Packaging Bill" to help protect the consumer—

- Sharply increased appropriations for defense to pay the expanding cost of the Vietnam War.

A large percentage of the proposals submitted by President Johnson—but not all of them—were approved. Among Administration proposals which failed were a Civil Rights Bill and repeal of Section 14 (b) of the Taft-Hartley Act.

In my view, not all of the legislation passed was good. Some of it I vigorously opposed. On balance, however, the record of Congress this year was one of constructive achievement.



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a garden lost

(As it has done for several years, The Tennessee Magazine is privileged to print the sermon which has been judged the best in the state in a Soil Stewardship contest conducted annually under the joint sponsorship of the Tennessee Association of Soil and Water Conservation districts and the Tennessee Council of Churches. Rev. Richardson is a summa cum Laude graduate of Mercer University at Macon, Georgia, where he also was captain of the varsity basketball team and President of his senior class. He received his Bachelor of Divinity degree from Yale University in 1962 and is doing further graduate work at Vanderbilt University. In September 1962 he joined the faculty of the American Baptist College in Nashville and in 1964 was appointed Dean of the College.)



By Rev. W. W. Richardson, Jr.

Minister, First Presbyterian Church
Dickson, Tennessee

*In the day that the Lord God made the earth and the heavens,
When no plant of the field was yet in the earth and no herb of the field had yet sprung up—
For the Lord God had not caused it to rain upon the earth, and there was no man to till the ground; but a mist went up from the earth and watered the whole face of the ground—
Then the Lord God formed man of dust from the ground and breathed into his nostrils the breath of life; and man became a living being.*

With these words, the earliest of Israel's historians began the "primeval history" which is found in the first eleven chapters of Genesis, and which forms the prelude to the "Exodus Saga" of God's redemption of Israel. This primeval history includes a number of ancient stories with which we are familiar—Creation, the Fall of Man, Cain's killing of Abel, Noah and the Flood, and the Tower of Babel. These stories were woven together by Israel's early historians and made the vehicle of a profound theological understanding of man's existence. However we may regard them, one thing is certain. They are not just history or just myth. They are an interpretation of universal man's existence. They offer an account of why all men have come to their present predicament. These stories, told with poetic artistry, constitute a bold theological explanation of man's place in this world, the reasons for his destructive tendencies, and the consequences of his sinful actions.

Out of his loneliness God made man of the dust of the ground and the breath of his spirit, to be a companion, freely yielding obedience to the source of his life. A creature was he, a living being with muscle and corpuscle, red blood and bile, but standing erect above beast and bird and fish of the sea, to whom he gave names and over whom he received dominion. A little less than God, crowned with glory and honor, co-worker with the Almighty to whom alone he owed allegiance.

*And the Lord God planted a garden
in Eden, in the east;
And there he put the man
whom he had formed.
And out of the ground
the Lord God made to grow every tree
and good for food,
the tree of life also
in the midst of the garden,
and the tree of the knowledge
of good and evil.
The Lord God took the man
and put him in the garden of Eden
to till it and keep it.*

Two great truths are set forth here—truths which we tend to forget. One is that God is the source of plant life as well as animal life. After God made man and breathed into his nostrils the breath of life, He "planted a garden and made to grow every tree." God makes everything grow. It's as simple as that! Yet we forget this when we rake in the compliments for our big tomatoes or our beautiful roses. Because we turn the soil, plant the seed, fertilize, and water does not mean that we are the authors of plant life. The Apostle Paul said, "So neither he who plants nor he who waters is anything, but only God who gives the growth." We can assist or resist the power of plant growth, but we have not created it.

The second truth here is that God has entrusted this earth to man as a garden for him to till and to keep. Not bare, lifeless, fruitless was it when God put man on the earth, but lush with vegetation, replete with grain and fruit trees, and resplendent with beautiful flowers, none of which man created. God gave this to man as a wealthy and loving father would give his sons a farm. And God put man on this earth both to till it and to keep it. To prepare the soil, to plant, to gather the harvest, and to do these in such a way that the land remains productive—these God set as man's task. To till and to keep—cultivation and conservation—these are the responsibilities of a steward. Man was made steward of the soil, the gardener of the Lord's earth.

God made the seed and gave power to grow to all things. It was given to man to plow and sow and in harvest to replenish what he had taken from the earth. A river flowed out of the east to water the garden, a gift of God, for who can bring the rain and create a river of pure water, nourishment for parched plants, refreshment for the beasts and a highway for man. Its tributaries watered lands beneath whose surface lay a thousand ores waiting to be mined by the hand of knowing man.

*And the Lord God commanded the man saying,
"You may freely eat
of every tree of the garden;
but of the tree of the knowledge
of good and evil
you shall not eat,
for in the day that you eat of it
you shall die."*

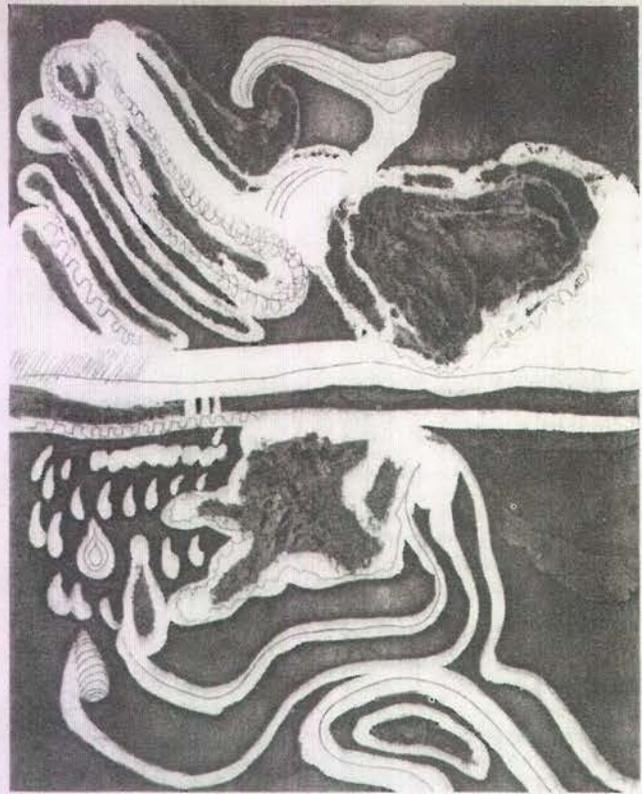
... When the woman saw
 that the tree was good for food,
 and a delight to the eyes,
 and that it was desired to make one wise,
 she took of its fruit and ate;
 and she also gave some to her husband,
 and he ate.

Then the eyes of both were opened,
 and they knew that they were naked!

What is the meaning of this tree in the center of the garden, the tree of the knowledge of good and evil? Certainly it is more than a primitive conception of God on a level with a father who would offer his young son all kinds of toys but circumscribe a red fire engine in the center of the room and say, "Now, now, don't touch." The tree is a symbol. It represents the built-in limits to the freedom of created man. Everything on earth was created for man to use and enjoy—soil and mineral resources, fruit trees and flowering plants, the animals that inhabit forest and field. Man was created free to use these as he desires. But this freedom has its limits, limits which man cannot transgress without bringing death and destruction on himself. These limits are at the very center of life, not on the periphery. They are present in the everyday use man makes of his environment. When man transgresses the limits of his freedom, he becomes conscious of evil. He recognizes his distortion of God's creation. He learns to fear.

Into the garden which is this earth with its boundless natural resources you and I have been placed. We are free to use these resources and to misuse them. When we misuse our resources, when we waste them and do not conserve them, when we take and do not replace, harvest but do not replant—then we come to know evil and bring death upon us.

Inevitably man transgresses the limits to his freedom in the garden which is his because of his sinful desire to have it all. We have all tasted of the forbidden fruit. We have cut timber, but seedlings are not replaced. We have overplowed prairies and brought dust storms. We have burned off hill-sides and sent valuable topsoil to river bottoms. We have polluted water and air with our waste. We have overpopulated the land and erected squalid cities to contain us. With asphalt and amusements, billboards and beer cans, drag strips and junked cars we have destroyed the natural beauty of the countryside.



In all of these our serpentine desires are more subtle than any wild creature. Did God really say, You may not take whatever you want on the earth? You will not die, your new power will make you like a god. And so we eat the forbidden fruit. We know good and evil—the asp was right—tho we have just now come to know the darker side. Our eyes are opened and we see that we are naked. Then begins the buck-passing before God in the cool hour of our reflection, until down the line is found a snake in the grass. This junkyard is my living! Our industry is not responsible for it all! Strip-mining is less expensive—in the short run. It's no one else's business how many children we have. A politician can only do what the people want.

Finally, the Word of God pierces our pretensions.

Cursed is the ground because of you; in toil you shall eat of it all the days of your life; thorns and thistles it shall bring forth to you. In the sweat of your face you shall eat bread till you return to the ground, for out of it you were taken; you are dust, and to dust you shall return.

*A garden lost—we are removed
 by our own lust for gain.
 The ground is cursed
 because of us
 and caused us much pain.
 In wrestling for her dusty soil
 where thorns and thistles grow,
 the bread we eat, the wine we drink,
 the seed next year to sow.*

*Grant, O God, the Everyman
 the will to do the good,
 preserving thy rich gifts to us
 of water, field, and wood.*

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