



JULY, 1968

Tennessee

MAGAZINE

Dedicated to Better Living



the 1 to watch

COMPLETE JULY SCHEDULE - WLAC-TV, NASHVILLE



MIKE DOUGLAS SHOW
Mike Douglas
Mon.-Fri.
9:00 — 10:00 am

MISS UNIVERSE BEAUTY PAGEANT
Saturday, July 13
9:00 — 10:30 pm

OLD TIME SINGING CONVENTION
Jake Hess
Mon.-Fri.
12:05 — 12:30 pm



WLAC-TV SPECIAL FOR JULY

DAYTIME

5:45- 6:00 AM	Farm News — Mon. thru Fri. (c)
6:00- 7:00 AM	Summer Semester — Sunday (c)
6:00- 7:45 AM	Country Junction — Mon. thru Fri. (c)
6:00- 6:30 AM	Summer Semester — Saturday (c)
6:30- 7:00 AM	Carl Tipton — Saturday (c)
7:00- 8:00 AM	Eddie Hill Variety Show — Saturday (c)
7:00- 8:00 AM	Tom & Jerry/Underdog — Sunday (c)
7:45- 8:00 AM	Morn. News: Weather — Mon. thru Fri. (c)
8:00- 9:00 AM	Captain Kangaroo — Mon. thru Fri. (c)
8:00- 8:30 AM	Frankenstein — Saturday (c)
8:00- 9:30 AM	Heaven's Jubilee — Sunday (c)
8:30- 9:00 AM	Herculeids — Saturday (c)
9:00-10:00 AM	Mike Douglas Show — Mon. thru Fri. (c)
9:00- 9:30 AM	Shazzan — Saturday (c)
9:30-10:00 AM	Space Ghosts — 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	Moby Dick — Mighty Mightor — Sat. (c)
10:00-10:30 AM	Camera Three — Sunday (c)
10:30-11:00 AM	Dick Van Dyke — Mon. thru Fri.
10:30-11:30 AM	Superman/Aquaman — Saturday (c)
10:30-11:00 AM	Faith for Today — Sunday (c)
11:00-11:25 AM	Love of Life — Mon. thru Fri. (c)
11:25-11:30 AM	Joe Benti CBS News — Mon. thru Fri. (c)
11:00-11:30 AM	Pattern For Living — Sundays
11:30-11:45 AM	Search for Tomorrow — Mon. thru Fri. (c)
11:45-12:00 N	The Guiding Light — Mon. thru Fri. (c)
11:30-12:00 N	Popeye — Saturday (c)
11:30-12:00 N	Face the Nation — Sunday (c)
12:00-12:05 PM	World at Noon — Mon. thru Fri. (c)
12:00-12:30 PM	Lone Ranger — Saturday (c)
12:00-12:30 PM	Challenge of Space — Sunday (c)
12:30- 2:00 PM	Hollywood Spectacular — Sunday
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	Road Runner — Saturday (c)
1:00- 1:30 PM	Love Is a Many Splendored Thing — Mon. thru Fri. (c)
1:00- 1:30 PM	Jonny Quest — Saturday (c)
1:30- 2:00 PM	Opportunity Line — Saturday (c)
1:30- 2:00 PM	House Party — Mon. thru Fri. (c)
2:00- 4:00 PM	National Soccer League — Sunday (c)
2:00- 2:25 PM	To Tell the Truth — Mon. thru Fri. (c)
2:25- 2:30 PM	D. Edwards CBS News — Mon. thru Fri. (c)
2:30- 3:00 PM	Adventure Action Movie — Saturday
3:30- 4:30 PM	Daktari — Saturday (c)
2:30- 3:00 PM	The Edge of Night — Mon. thru Fri. (c)
3:00- 3:30 PM	The Secret Storm — Mon. thru Fri. (c)
3:30- 4:00 PM	Gilligan's Island — Mon. thru Fri.
4:00- 4:30 PM	Tennessee Tuxedo — Sunday (c)
4:00- 5:30 PM	Big Show — Mon. thru Fri.
4:30- 5:00 PM	Amateur Hour — Sunday (c)
4:30- 5:30 PM	The Prisoner — Saturday (c)
5:00- 5:30 PM	21st Century — Sunday (c)

EVENING

	SUN.	MON.	TUES.	WED.	THURS.	FRI.	SAT.
5:30	Channel 5 News Weather Sports	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	Channel 5 News Weather Sports			
6:30	Gentle Ben (c)	Gunsmoke (c)	Death Valley Days (c)	Lost in Space (c)	Cimarron Strip (c)	The Wild, Wild West (c)	All American College Show (c)
7	Ed Sullivan Show (c)		Password				It's Racing Time (c)
7:30		Lucy Show (c)	International Showtime (c)	Beverly Hillbillies (c)	Gomer Pyle (c)	My 3 Sons (c)	
8	The Summer Smothers Brothers Hour (c)	Andy Griffith (c)		Green Acres (c)	Thursday Night Movie (Most in color)	Movie of the Week (c)	Hogan's Heroes (c)
8:30	Family Affair (c)	Good Morning World (c)	He & She (c)	Petticoat Junction (c)			
9	Mission Impossible (c)	"Premiere" 1 Hr. Dramas (c)	CBS News Broadcasts	Dom DeLuise Show (c)	Channel 5 News Weather Sports	Marshal Dillon	
10	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
10:30	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	Mannix (c)
11	Perry Mason	Perry Mason	Perry Mason	Perry Mason	MILLION \$ MOVIES	Films of the 50's	Films of the 50's
11:30	Sign Off	MILLION \$ MOVIES	MILLION \$ MOVIES	MILLION \$ MOVIES			
12							

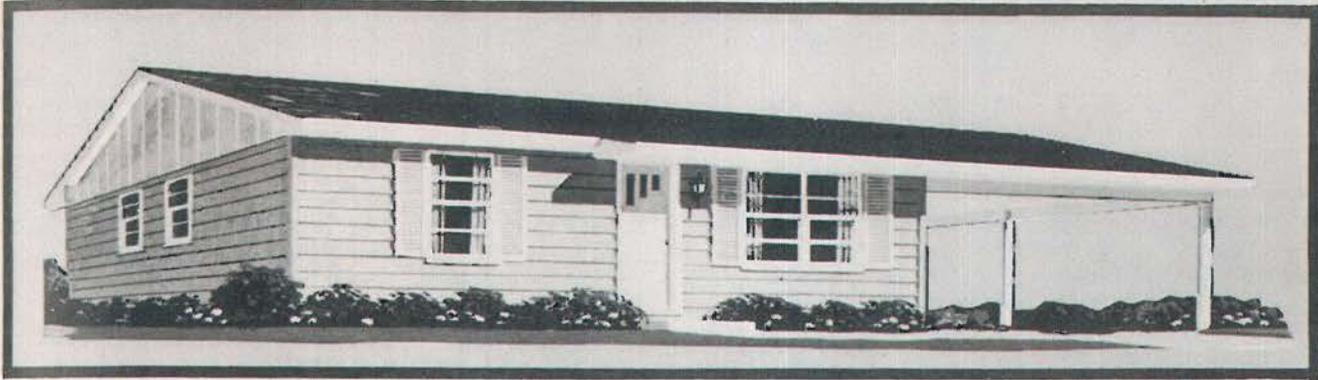
WLAC-TV Channel 5

NASHVILLE, TENNESSEE

JONES LUMBER CO. INC.

The LEADER...

There must be a reason... **VALUE!**



**BUY NOW
And Save**

Built On Your Lot
FOR AS LOW AS
\$5980
CASH PRICE

Ample Funds
for
**PERMANENT
FINANCING**

Mail Business Reply
Coupon Now . . .
Fill in coupon-envelope, fold,
seal (tape or paste) and mail . . .
No Postage Necessary
**or call collect
824-6534**
Hendersonville, Tenn.

FIRST CLASS
Permit No 7,
Hendersonville,
Tenn.

No postage stamp necessary if mailed in the United States

BUSINESS REPLY MAIL

Postage Will Be Paid By

JONES LUMBER CO. INC.
P.O. BOX A
HENDERSONVILLE, TENNESSEE 37075



Do Not Cut Here . . . Just Fold Over, Seal and Mail This Reply Envelope . . . No Stamp Necessary

176 MODELS TO CHOOSE FROM

Please send me complete information on all
Jones Homes, with no obligation.

Your Name

Rural route or street address

Post Office State

Your community Phone

If you would like a Jones Home Representative to call on
you, check here and attach directions.

- I own a lot I can get a lot
- Please send floor plan and prices on all Jones Homes

TM-768

To The Point

by John E. Stanford

The week of July 21-27, 1968 has been proclaimed by President Johnson as National Farm Safety Week, the 25th annual observance of this important safety campaign sponsored by the National Safety Council and the United States Department of Agriculture. It's an important program regardless of whether or not we are actively engaged in farming, because accidents are the fourth leading overall cause of death in our nation, first in the age group of 1-to-37. Last year alone, accidents took 112,000 lives and cost more than 21-billion dollars.

Of the 112,000 accidental deaths last year, almost half (53,000) were the results of motor vehicle accidents. And of these 53,000 motor vehicle deaths, almost 70% resulted from rural accidents.

In 1967, some 8,000 farm residents were accidentally killed and nearly 750,000 others suffered disabling injuries. The farm work accident death rate ranks third among all industries, exceeded only by mining and construction.

Some occupations are safer than others, but in automobiles and on open roads, we all look very much the same.

Please be careful. Most accidents can be avoided.

Rural electrification and rural America lost a real friend in the tragic death of U.S. Senator Robert Kennedy of New York. Although he represented a largely urban constituency, Senator Kennedy frequently spoke out about the needs to develop rural areas and to eliminate rural poverty. Typical of his statements were these, delivered in Oregon two weeks before his death:

"We must not wait until rural America has disappeared. A principal task of national leadership, and of the next Administration, must be to bring the needs of rural areas to the attention of the nation—and then to engage in the forceful action required to restore these areas to their rightful place of prosperity and productivity. We are not helpless, we are not trapped and hopeless. We can act and we must act."

I don't know whether there is any connection between the fact that I will soon complete a half-century upon this good earth, and the mysterious appearance upon my desk recently of the following, but whether there is or isn't, it contains some right good advice for most of us at any age. It is titled "A Prayer" and is worth living as well as saying.

Lord, Thou knowest better than I know myself that I am growing older and will some day be old.

Keep me from the fatal habit of thinking I must say something on every subject and on every occasion.

Release me from craving to straighten out everybody's affairs. Make me thoughtful but not moody, helpful but not bossy.

Free my mind from the recital of endless details; give me wings to get to the point.

Seal my lips on my aches and pains. They are increasing and love of rehearing them is becoming sweeter as the years go by.

I dare not ask for grace enough to enjoy the tales of others' pains but help me to endure them with patience.

I dare not ask for improved memory but for a growing humility and a lessening cacksureness when my memory seems to clash with the memories of others.

Teach me the glorious lesson that occasionally I may be mistaken.

Keep me reasonably sweet; I do not want to be a Saint—some of them are so hard to live with—but a sour old person is one of the crowning works of the devil.

Give me the ability to see good things in unexpected places and talents in unexpected people. And give me, Lord, the grace to tell them so. Amen

Vol. 11, No. 7, July, 1968

Tennessee MAGAZINE

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

Executive, editorial and advertising offices:
710 Spence Lane, P. O. Box 7232
Nashville, Tenn. 37210

J. C. Hundley, Executive Manager

CONTENTS

To The Point	4
FFA Winner	6
Foods, Facts, Fashions	8
Youth Tour	10
Your Coop Section	12
Uncle John's	14
Timely Topics	15
Alladin Plastics	16
Volunteer Views	17
Record Fish	18
Wave The Flag	19
TVA Pollution	20
Reader's Write	21

STAFF

John E. Stanford.....*Editor*
Harry Stone.....*Adv. Mgr.*

POSTMASTER: In using Form 3579 please give our key number and mail to The Tennessee Magazine, Box 7232, Nashville, Tenn. 37210.

THE TENNESSEE MAGAZINE is published monthly as an educational and informational service to members of rural electric cooperatives in Tennessee and in behalf of the welfare of their program. Second class postage paid at Memphis, Tennessee. Published monthly, at 3781 Lamar Avenue, Memphis, Tennessee 38118. Subscription price: 75¢ per year for members and \$1.00 per year for non-members.

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

ON THE COVER



Summer camping is great in the Volunteer State, say these visitors to Harrison Bay State Park near Chattanooga and thousands of others who avail themselves of splendid facilities offered by Tennessee's 22 State Parks. For information, write Tenn. Dept. of Conservation, 2611 West End Ave., Nashville, Tenn. 37203.

Co-op Members!

Remarkable, New HOSPITAL-SURGICAL Plan

**Pays Money Back
for Each Year
You Stay Well!**

**Guaranteed 8% CASH AWARD
for each year you do not use your policy benefits.**



Now, a new kind of health insurance gives the EXTRA CASH protection you need for covered sickness or off the job accident. You get liberal benefits to help pay hospital rooms (up to \$40 a day for 365 day maximum) . . . surgeon's fees (up to \$600 according to the fee schedule in the policy) . . . drugs, dressings, x-rays, ambulance, and other miscellaneous hospital and first aid expenses . . . plus generous maternity benefits.

This new plan (Policy HS-500) is available exclusively from Union Bankers Insurance Company. It is Guaranteed Renewable—the insurance company cannot cancel no matter how much you collect or what your future health condition becomes . . . as long as you continue to pay premiums on time.

With this unique Money-Back Plan you get the vital protection you need to help meet today's higher-than-ever medical costs. If you stay well and don't

need to use the valuable benefits provided by the policy, you get a guaranteed 8% REFUND IN CASH at the end of the policy year.

**ENROLLMENT PERIOD OPEN . . .
SO PLEASE ACT NOW!**

Benefits are payable on existing health conditions after six months. And, you do not have to be in perfect health to qualify for this plan.

The Union Bankers Money-Back Plan HS-500 is issued on an individual or family basis—up to age 65.

Send for complete facts including low rates. Enrollment period is open so please act now. Look over the details in your own home, and decide for yourself if you want the one policy that guarantees you money back each year if you stay well! No obligation.

**TEAR OUT
THIS COUPON
and mail it
for
FREE
INFORMATION**



FREE INFORMATION COUPON

UNION BANKERS INSURANCE COMPANY
P.O. BOX 8685 • Nashville, Tenn. 37211

Gentlemen:

Please see that I receive FREE INFORMATION, including low rates on your new Money-Back Hospital-Surgical Plan HS-500. I understand there is no obligation.

Name _____

Address _____

City _____ State _____ Zip _____

Bobby Tarwater, Farm and Home Electrification Winner, Is one of Tennessee's Outstanding Future Farmers. In Fact . . .

HE'S QUITE A MAN, THIS BOY!

By John Stanford

When the names of the 14 State Winners of Agricultural Proficiency Awards were announced a few weeks ago as a highlight of the 40th State Convention of the Tennessee Association of Future Farmers of America, no champion was more proud, nor more deserving of his coveted honor, than the winner of the Farm and Home Electrification Award.

For 19-year-old Bobby Tarwater of Greenback, Tennessee, the Award was a fitting climax to a brilliant five-year career as one of the state's outstanding Future Farmers of America, a record of accomplishment which would be completely out of reach for any youngster with lesser courage and desire and determination than that possessed by this young man.

Few, if any, who have known young Tarwater through the years

ever doubted that he would be successful in F.F.A., or any other enterprise to which he dedicated his efforts. If there were any doubters, this husky young man made believers of them his very first year as a member of the Greenback F.F.A. chapter when, as a freshman in high school, he won the Creed Contest (which he calls one of his biggest thrills) and was later voted Star Green Hand of the chapter.

No end to accomplishments

From this fine beginning, there seems to be practically no end to Bobby's list of accomplishments. He served on the chapter's Dairy Judging team for three years, on the Parliamentary Procedure team for two years, on the Livestock Judging team for two years and on the Land Judging team



Bobby Tarwater (center) proudly shows two of his Farm and Home Electrification awards to Wilson Belcher (left), his Vo-Ag teacher and F.F.A. Advisor throughout high school and (right) H.S. Gangwer, Sr., Manager of Fort Loudoun Electric Cooperative, Madisonville, which serves the Tarwater home and Bobby's farm.

for two years. As a high school Junior, he was selected to represent his chapter in Public Speaking, ranked second in all of East Tennessee in Land Judging, and was elected to his first of two years as District Treasurer.

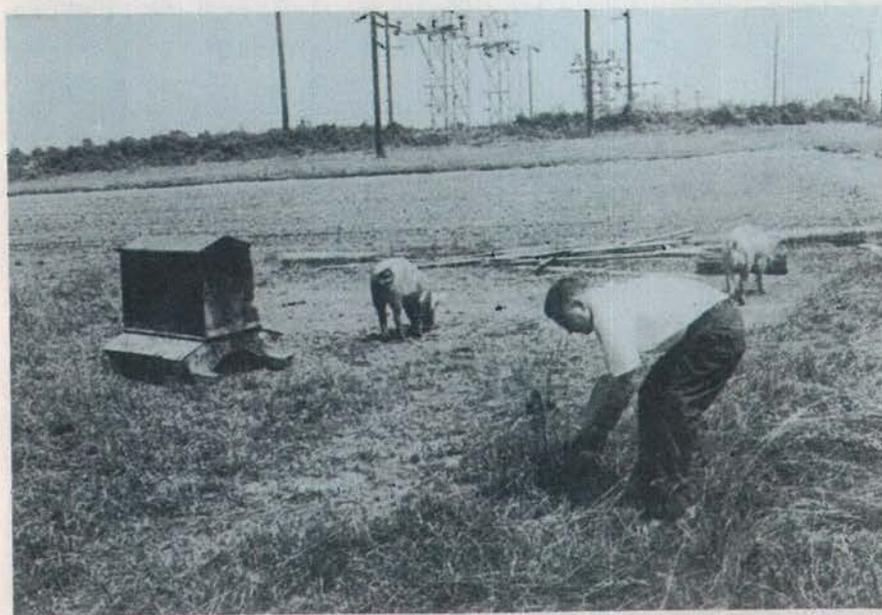
Honored by elections

During his Senior year Bobby, son of Mr. and Mrs. John R. Tarwater of Greenback, served as President of his chapter, received his State Farmer degree, served his second year as District Treasurer and was elected State Treasurer, one of only eight young men in Tennessee to receive the honor of election to a Statewide office. In order to fulfill the responsibilities of office, Bobby postponed, after two quarters at the University of Tennessee, his college education until the fall of this year. At that time he will enroll at Hiwassee College for two years, then transfer to the University of Tennessee for his final two years. His major field will be either Agricultural Engineering or Agricultural Education.

More highlights

Bobby's knowledge and accomplishments in the field of Farm and Home Electrification are too numerous for complete listing, but here are some of the highlights:

Wired 3-way switch; cut, threaded and reamed conduit; learned use of such testers as voltmeter, neon and continuity; wired grounded receptacle and single



Bobby Tarwater has a fine herd of registered Yorkshire hogs, part of which he runs within the confines of the electric fence which he regularly inspects.

pole switch; learned ways of detecting shorts and how to correct; helped put in 60-100-200 amp switchboxes; learned how to estimate costs of wiring jobs; learned how to make splices, connections, how to solder splices, use of solderless connectors and compression type connectors; learned how to determine correct number of wires to put in certain size conduit, how many bends or ells in the conduit are allowed between pull boxes; learned where to use flexible conduit and underground conduit; learned use of electric welder for butt, flat, fillet, horizontal, vertical and overhead welding; learned how to solder, braze, heat, cut and hardsurface; taught electricity to incoming Vocational Agricultural freshman classes for two years.

Here's more

Also included in Bobby's long list of award-winning accomplishments were the replacement of a thermostat in a hot water heater; wiring of a 60 amp switchbox in a dairy barn, wiring of a 60 amp switchbox for tobacco barn used for calves and farrowing house; maintained the electric system of a tractor; helped wire a 100 amp switchbox with 16 circuits; helped wire a 200 amp switchbox in



Young Tarwater replaces a fuse in the 60 amp switchbox which he originally installed in a tobacco barn now used as a farrowing house.



Also useful around the house is 19-year-old Bobby, shown here installing a wall plug in a room recently added to the Tarwater home. His father, John Tarwater, is a lineman for Fort Loudoun Electric Co-op.

Grandfather's home; and wired in new hood over electric range at home.

Although young Tarwater is much interested in farm and home uses of electricity (perhaps "inherited" in part from his father, a lineman for and a member of Fort Loudoun Electric Cooperative, which serves the Tarwater home), by no stretch of the imagination is Bobby's farming interests confined to those pertaining directly to electricity, although he puts this wonderful energy to work whenever he can. He has carried on a wide range of successful farming practices during his four years of Vocational Agriculture study in high school, and one year since graduation, and he has a splendid record in both livestock and field crops to prove his versatility in several phases of farming.

Swine project outstanding

At the present time, much of Bobby's farming time is devoted to a herd of registered Yorkshire hogs, a breed with which he has had more than considerable success in show rings, both in Tennessee and in other states. He runs (within an electric fence, of course) and houses some 40 head on a 17-acre rented farm, including 12 brood sows and one boar. He hopes to spend as much time

as possible in the show ring between now and when he returns to college in September.

To date, Bobby Tarwater has invested \$18,074.04 in agriculture during his Vo-Ag and F.F.A. career. He has total assets of \$19,074.04 and a net worth of \$11,524.04.

One more fact

This story of Bobby Tarwater could very well end right here and this fine young man probably wishes that it would.

But this writer has purposely omitted one fact, until now, which we think makes a great story even greater. It isn't intended to invoke sympathy, for this Bobby doesn't want—and doesn't need.

When Bobby Tarwater was eight years old he became ill with a case of chicken pox. A massive infection developed which required the amputation of both legs. For three months he was on the criti-



Another of Bobby's household jobs was the installation of this hood over his Mother's electric range.

cal list at Vanderbilt Hospital in Nashville, and remained in the hospital for another 12 months after coming off the critical list. Recuperation was slow and learning to use two artificial limbs took time, especially for a nine-year-old boy who had just spent 15 months in a hospital.

Today, 19-year-old Bobby Tarwater is the picture of health, a young man very much on the move with the foregoing long list of substantial accomplishments to his credit.

You may expect many more from teen-ager Bobby Tarwater.

He's quite a man, this boy!

FREEZER FANCIES

Foods, Facts and Fashions

By Patsy Myers, Home Economist
Middle Tennessee
Electric Membership Corporation

When we speak of fancy foods from the freezer, we are speaking of foods which we prepare ahead when we are expecting guests, or when we need to feed unexpected guests. These may be cooked foods like barbecue sauce or casseroles, or they may be interesting desserts. Perhaps your fancy foods are in the party foods category.

Whatever your most interesting or favorite foods are, from the freezer, they are easier to prepare and as varied as your source of supply—may be the garden or orchard, or the convenience foods from the grocery store.

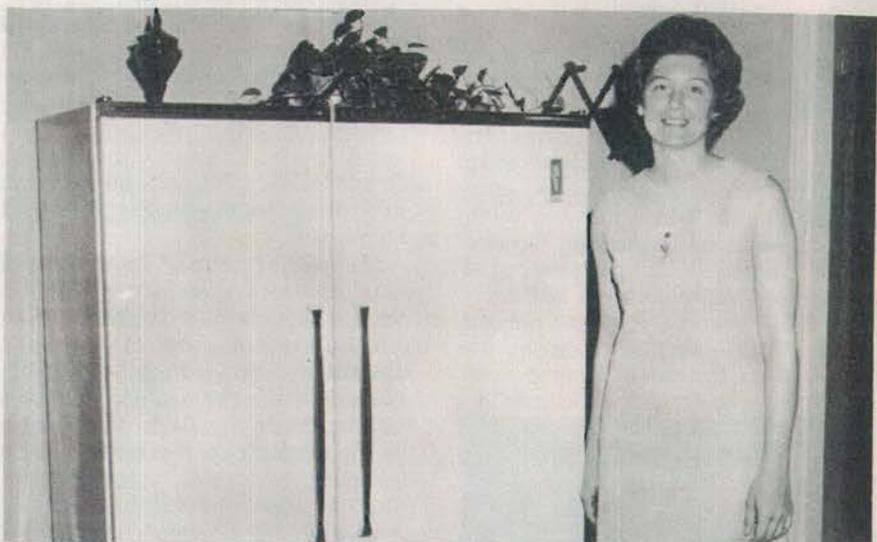
There are now frost-free freezers which allow us to freeze foods without the dread of having to defrost the freezer or deal with heavily-frosted packages. Even the new refrigerator-freezer area is more desirable because of this feature.

Since the refrigerator-freezer with true zero temperature has been perfected, many changes in style have come about in this area of freezer use. These are two-door models usually, but their arrangement may differ. For instance, there are refrigerator-freezers with the freezer area above the refrigerator area, below it, and "side-by-side" with it. Some have automatic ice-makers which are very convenient. Or, the freezer area may be separated from the refrigerator area by a lighted countertop.

It is simple to organize the freezer, reserving special sections for meats, fruits, vegetables, breads



The Taylorsville Home Demonstration Club is shown here watching a Freezer demonstration in the MTEMC Lebanon meeting room given by Patsy Myers, right front, assisted by Mrs. Jean Tyree, Wilson County Home Demonstration Agent, left front. Mrs. Tyree is showing a cake from the freezer while Mrs. Myers holds the sheet which gives the recipe for it.



Mrs. Joe Grissim, Lebanon, is standing beside her refrigerator-freezer which is the "side-by-side" model. The freezer area, behind the left, door, is somewhat smaller than the refrigerator area behind the right door.

and desserts. Combined meals may be stored together for unexpected guests. Items for lunches may be kept together. Each package, of course, will have a label showing date prepared and content of package.

Since foods have a maximum storage time, foods that have been in the freezer for the longest period should be placed near the front of the freezer. As you shop, or as you package fresh foods, re-organize so as to store the food in the proper place to help you keep your packages rotating; that is, take out frozen foods to use as you add new foods to freeze.

Although many foods can be kept as long as a year at zero degrees without loss of quality,

food experts recommend complete turnover of frozen foods many times a year for the most economical use of the freezer. With the smaller space of the freezer area in the refrigerator-freezer, this turnover is even more important in order to gain all of the advantages of frozen food.

So, make your food freezer an excellent means of food storage but consider it an important part of your cooking equipment as well.

Use it to help you to make fewer shopping trips, to save time in the kitchen during meal preparation, and to help you have more nutritious meals.

Remember, the freezer cannot perform miracles on the food it-



Here we see Mrs. Odell Tomlinson, Centerville community, Route 3, Lebanon, ready to place a strawberry pie in the freezer area of her refrigerator-freezer.

self. First, the food must be of good quality, then it must be properly prepared for freezing, packaged in a moisture-vapor-proof container, frozen at zero degrees, and kept at a constant storage temperature of zero degrees Fahrenheit.

Have you thought about how easy it would be to set up a systematic freezer management plan? First consideration in this plan is the number of children in the family, their ages, and their dietary needs.

Next is family likes and dislikes. If your family doesn't like a particular food, there's no point in using up freezer space for it.

When you start filling your freezer, freeze foods you need and use often. This is desirable no matter what time of year it is.

Consider the amount of entertaining you do. If you do a lot, perhaps it would be wise to reserve a shelf or a certain area in your freezer for party foods.

If you pack lunches for any member of the family, or if your family snacks a lot, reserve a special space for these items.

When cooking regular meals, you will find it easy to double or triple recipes and freeze the excess. This cooking ahead may be a real lifesaver.

When preparing foods for the freezer, be sure to follow the instructions in your freezer booklet. If you do not have a freezer booklet, contact your County Extension Office or your power distributor.

Learning to use the freezer to best advantage can pay dividends



Mrs. Jack Jackson, Hartsville Pike, Lebanon, takes a frozen topping from the refrigerator-freezer.



Mrs. Paul Holt, Route 3, Lebanon, uses her chest-type freezer for all types of frozen foods. Here she holds a package of green beans.



Mrs. Jack Jones, Lebanon, takes a package of blackberries from her upright freezer. She says these are really her favorite food from the freezer.

beyond price—in convenience of having a wide variety of foods on hand any time you need them, in saving with the food budget, and in saving time and labor for the family menu-planner.

Don't overlook the ease of freezing prepared foods such as sauces,

casseroles and desserts, many of which you may serve immediately from the freezer. A dessert which you will find delightful in color as well as taste, and one with which you will enjoy your electric slicing knife is:

ICE CREAM RIBBON CAKE (serves 8-12)

Angel Food loaf cake (10x5x3")
1 pint chocolate ice cream
1 pint peppermint ice cream
1 pint whipping cream

4 tbsp. confectioners sugar
1 tsp. vanilla
1 box (3½ oz.) shredded coconut

Cut cake lengthwise into 3 layers. Slice ice cream (if you have electric knife) or spread chocolate ice cream between first and second layers, peppermint ice cream between second and top layers.

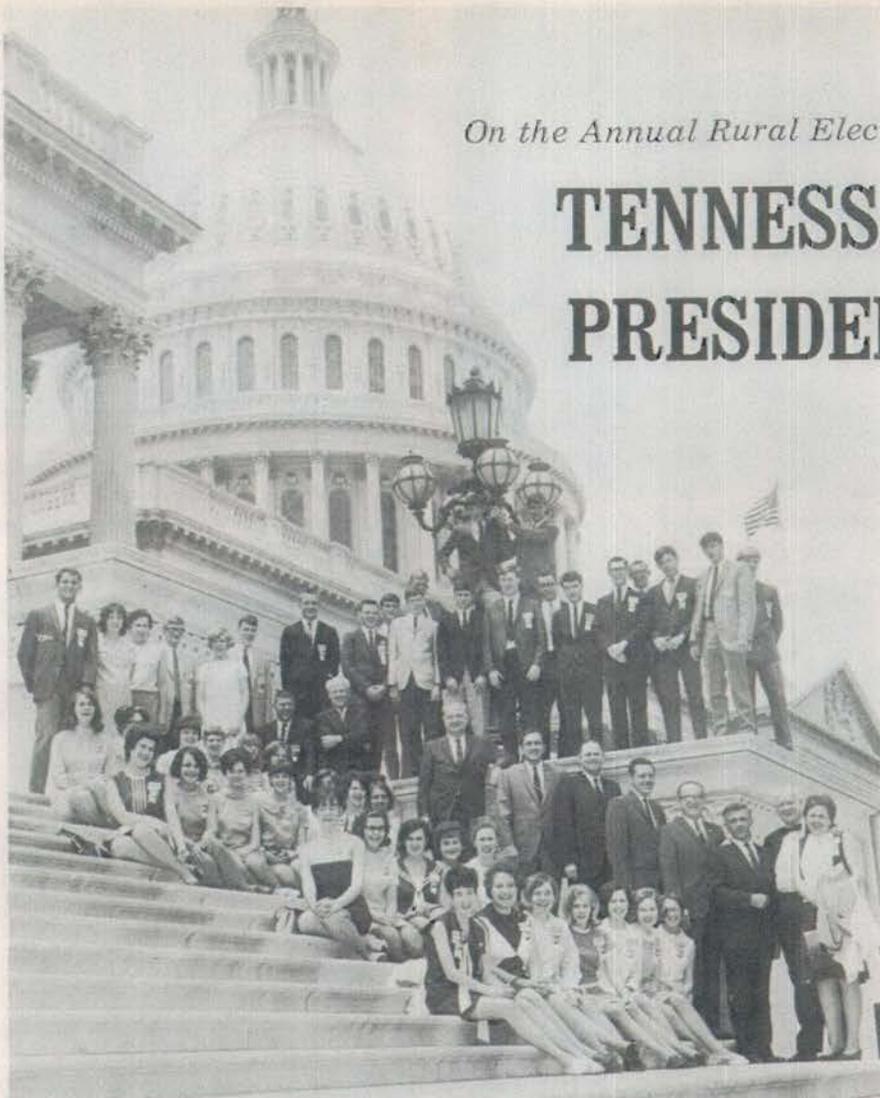
Place cake in freezer. Whip cream, add sugar and vanilla and blend. Frost top and sides of cake. Cover with shredded coconut and return to freezer until topping is frozen. Wrap and store in freezer until ready to serve. Storage time—one month.

Note: You may substitute other ice cream flavors and colors; and you may use whipped cream substitute (2 cups) for whipping cream, sugar and vanilla.

On the Annual Rural Electric Youth Tour . . .

TENNESSEANS MEET PRESIDENT JOHNSON

By Lofton Robertson
Administrative Assistant, TECA



Eight of Tennessee's Congressional Delegation met our group on the steps of the Capitol for a visit and picture. Shown here left to right along wall are: Senator Gore and Representatives Quillen, Blanton, Duncan, Brock, Kuykendall, Fulton, and Everett.



PRESIDENT JOHNSON talked to the 1,000 young people about taking their place as responsible citizens in their electric cooperatives and their communities. The U.S. Marine Band entertained the group before and after the President spoke.

In what could be his last official appearance as President to a rural electrification group, President Lyndon Johnson urged some 1,000 members of the 1968 Rural Electric Youth Tour to study their government, and their country's needs, and face up to the challenge of RESPONSIBILITY which is needed today. The President expressed supreme pleasure at the part which he had played in former years in making rural electricity possible, but he issued a plea to these young people who will soon become leaders of their electric cooperatives, to see that these cooperatives take an active part in community development.

For most of Tennessee's 44 young people this meeting with the President on the White House lawn last June 12th was a lifetime experience. It would not have been possible except for their local electric cooperative, which sponsored the essay contest in which they were winners, the Tennessee Electric Cooperative Association, and the NRECA, which arranged it.

Tennessee's 1968 Youth Tour left Nashville at 7:30 a.m. on June 8th in two chartered Trailway buses. The first few hours of riding were spent in making new friends since the group represented boys and girls from eleven cooperatives spread all across our state. The first stop at Knoxville brought more than a good wholesome lunch, for some saw for the first time a "family" of real live hippies. Stops were made that afternoon at the Appalachian Electric Cooperative and the Holston Electric Cooperative where more contestants boarded the buses and brought Tour Director T. O. Walker's group to a total of 53 members. Saturday night was spent in a motel at Troutsville, Virginia, where a group of Tennessee 4-H Clubbers returning from a Washington trip helped to

brighten that first night away from home.

Rain was a constant companion of the tour for four days and on Sunday the group toured the Natural Bridge, one of the Seven Wonders of the World, between showers. Though George Washington left his surveyor's mark and carved his initials on this wonder of nature many years ago, it remained for our Tennessee boys to "find" the Lost River. Most of them agreed that it was not worth finding since it was not even big enough to make a good West Tennessee "crick." Later that day the group toured Monticello, the home of Thomas Jefferson. While viewing this lovely residence and the surrounding valley, Miss Nancy Jane Moore of Cumberland E.M.C. exclaimed, "I've dreamed of getting to see this all of my life, but I never thought this dream would come true for me!"

Arriving at the beautiful and monstrous Marriott Twin Bridges Motor Inn that afternoon, many got their first glimpse at the nation's capital city just across the Potomac River. Though rain clouds covered the stars above, fifty-three Tennessee young people had enough sparkle in their eyes to brighten the darkest night.

On Monday morning every one arose early for a hearty breakfast and then off to Arlington cemetery to view the graves of President Kennedy and Senator Robert Kennedy, where some 50,000 persons had been the day before. At 9:00 a.m. we saw the changing of the guard at the Tomb of the Unknown Soldier and 53 shutter bugs went into action.

On our way from Arlington to the NRECA headquarters building in Washington we got our first view of the so-called "Resurrection City", which was bogged down in mud and filth almost indescribable. At NRECA the group learned of the national aspects of electric cooperatives, met some of the leaders, and were especially proud to meet Floyd Jones, the former manager of Gibson County E.M.C. Many of our boys and girls were amazed as they learned the part which electric cooperatives had played nationally. One of our chaperones, Mrs. Nadine Cothran of Meriwether Lewis E.M.C. was heard to say—"I never dreamed that there were so many electric cooperatives and that they were such a closely knit family."

After a bus tour of the mall the tour group returned to the Motel

for relaxation, swimming and games which lasted until evening. About 7:30 p.m. we boarded a large boat along with delegates from several other states and began a long ride up the Potomac. For those who wished to dance, there was a band aboard with plenty of music. One chaperone was noticed staying up front in the bow of the boat where the soft breezes seemed to blow the "music" back away from him. When the tour returned to dock a little after 10:00 p.m. many of the young people were sorry it was over and wished it could have lasted all night.

Tuesday was our day to spend around the Capitol and we started it with a bang. One bus backed up just enough to block the driveway and then its motor died. Have you ever tried pushing a Trailway bus in the rain? Well, it can be done; our Tennessee boys did it!

However, a bad start didn't kill our day. We visited Senators Baker and Gore in their offices; had our pictures taken on the capitol steps with our Tennessee Congressmen; toured the capitol with Congressman Blanton; and, visited both houses of Congress on passes secured by Congressman Kuykendall. We saw our government in action even down to riding the subway to the Senate building.

Tuesday evening we visited a swank restaurant for seafood and steaks. When they brought out paper bibs for the lobster orders, some of us "country" boys felt right at home.

On Wednesday the entire Youth Tour (about 1,000 strong) met together for pictures, talks, and a quiz show. Our state got to compete so we selected Francis Rossmailer from Tennessee Valley E.C. He did a good job, too! It was at this meeting that we first knew we would get to see President Johnson. On the way to the White House we went in a 30-bus caravan with a police escort. Our Tennessee buses were honored to have Mr. Bob Smith, Executive Assistant to the General Manager of NRECA and Mr. Lowell Endahl, Director of NRECA Member Services to ride with us.

After the thrill of seeing the President, we returned to the motel for lunch, changed into more comfortable clothes and spent the afternoon touring Mt. Vernon, the historic home of our first President.

That evening NRECA had a big banquet and "shindig" for us with

dancing to music by the "Hi-Notes" until midnight. We enjoyed it very much, but couldn't help noticing that one-by-one our chaperones developed "a headache" and slipped away until only one of them was left to the end. Yep—you guessed it, his ears were stuffed with cotton.

Thursday came all too soon for most of us but we arose early to visit the mall until noon. We divided into small groups and toured the places we most wanted to see, since there was so little time left and so many more places to visit.

Some toured the Washington Monument and counted each step to be sure there were still 898. Yes—there's still that many.

Others toured branches of the Smithsonian Institute, the FBI Building, and the Archives Building. Later that day, we visited the Lincoln Memorial and the Jefferson Memorial before returning to the motel to pack and start the long trip home. We arrived in Nashville in time for breakfast Friday morning.

It was a wonderful trip and we learned a lot about our government, our electric cooperatives, and yes, our nation in general. Possibly the best way to sum it up is in the words of one of the young ladies who embraced her chaperone at the end of the trip and with tears flooding her face, said, "I'm not ready for it to end—this has been one of the best trips of my life."

We can be proud that our Tennessee cooperatives had a part in this great week for our youth!



Fifty-three shutterbugs were quite active all 1,500 miles of the trip.

Now you can "once-over" your lawn and create a perfect setting for your home with less effort than ever before. New electric mowers literally vacuum the lawn clean of leaves, debris and clippings while they cut.

But what about the trimming and hedge-clipping that produce a really pretty yard, you say? You can't do everything with electricity? Well, you almost can. Electric edger-trimmers convert from a straight edger for around your lawn to a quick tool to trim around trees, shrubs and those problem spots where hand-clipping used to be required. An electric hedge-trimmer with a built-in leveling device tells you at a glance whether your trimmer is being held properly.

The new electric mowers and yard equipment have innovations that all but antique the first power lawn helpers. Remember what a stubborn job it was to change the cutting level on your first mower? Or could the cutting height be altered? Chances are the mower you've been making do with takes a couple of tools and some effort. How would you like to dial the cutting height the way you dial the speed on some of your mechanized farm tools? That's one of the features on the 1968 mowers from one manufacturer. Each wheel has a small white dial and you can select heights from one to three inches.

A dual season mower is equipped with a second blade mounted on the same drive shaft as the regular cutting one to compact vacuumed debris to about half its original volume. The mower's bag holds more this way and has to be emptied less frequently; storage of clippings until they are hauled away is easier. This mower can be used in spring and fall to clear the yard.

So now you're muttering "there's still no easy way to attach that clipping bag and empty it every time you need

to?" Manufacturers must have had you in mind when they came up with a grass catcher they've labeled for its ease of attachment and equipped with an outsized zipper that you simply unzip for emptying. You can forget those bolts that attached the first clipping bags. Now the bag slips under a steel lip attached to the mower and can be removed with one hand for emptying.

Does the problem of the cord to the power supply appear to you as being a drawback? There are models with automatic take-up reels which keep the cord out of your way at all times. Another manufacturer considers the operating comfort and maneuvering ease of its electric mower a distinct selling point. Control during cutting movements is assured by a lever which activates a self-locking mechanism. To change directions at the end of a cutting run with this mower, the operator presses the lever, flips the handle which automatically locks in place and begins mowing in the opposite way. This simplifies cord handling since the cord is always on the same side of the mower. This mower's four offset wheels assure easy maneuverability and permit flush cutting around walkways, trees and bushes.

Another model electric mower comes with a fold-away handle for easy storage and has a grass catcher as standard equipment. This one weighs 38 pounds and has a fingertip adjustment that regulates cutting height from one and one-fourth to three inches.

Because it's electric, the motor in these mowers is sure-starting. The new mowers are lighter and faster because of their electric motors and lightweight construction.

Are you wondering how much these efficient sounding miracle-workers cost? Probably from \$70 to \$90, depending upon the features you choose. You can select between a 16-, 18- or 20-inch

standard or deluxe model. One 18-inch cut mower features an offset design of 9-inch blades permitting a smooth cut without the use of a timing belt. With the blades belt driven, direct contact with the armature shaft is eliminated and the motor is protected even if the blade strikes a solid object. One of the new electric rotaries has seven-inch wheels to permit cuts as low as a half-inch and a 16-inch cut. One mower permits flush cutting around walkways, trees and bushes.

Once you've finished the yard and turn your attention to hedges, you will find it's so much easier nowadays to get a nice level top on them with an electric trimmer with a bubble like that in a carpenter's level to watch to see if the trimmer is held properly. The motor doesn't stick up above the blade blocking the user's view, either. A wrap-around handle permits right- or left-handed usage. Two-speed trimmers let you trim hedges at high speed or cut through heavier branches at the lower speed. A pruning saw attachment for some models is strong enough to saw through a two-inch branch on a tree. A retail price as low as \$19.95 is offered on trimmers.

When you want to trim around shrubs or rocks in your yard, you can use an electric edger-trimmer that cuts a neat straight edge around the lawn and converts with a twist of the wrist to a trimmer for once hand-clipped spots. This tool weighs about five pounds and has a swing-away guard for safety while edging. An adjustable handle grip moves right, left or up and down for your best position. Prices for electric edger-trimmers start at around \$30.

One consumer's safeguard you will want to observe is that all electric yard equipment you buy meets the safety requirements of American Standards Association and the Underwriters' Laboratories. Look for their seals.

So you see, the cook and the livestock aren't the only ones electricity helps around the farm; the chief yardman comes in for his share of easy-doing-it too. This new yard equipment is electricity's answer to "How to Have a Beautiful Yard Without a Fulltime Gardener!"

Current Clips A Beautiful Yard



A
NEW-FASHION/
IDEA

FOR BETTER
LIVING WITH
RURAL
ELECTRIC
POWER

DIRT'S WORST ENEMY— AN ELECTRIC WATER HEATER

From the beginning of time, dirt and small boys have had a strong attachment for each other. Mothers have always fought a losing battle to separate the two.

Modern mothers, however, have a secret ally with an electric water heater. A warm bath, with plenty of bubbles, is a real treat that will get a fella' clean — at least temporarily!

Of course, an electric water heater does much more. Having all the hot water you need as handy as the nearest tap makes so many household chores a snap. It also lets you enjoy such labor saving appliances as clothes and dish washers.

Be certain your family enjoys the extra convenience of an electric water heater. Costs less to install because it's flameless and needs no venting. That makes it safe and clean with no dangerous fumes or smoke to dirty your home.

An electric water heater is indeed dirt's worst enemy!



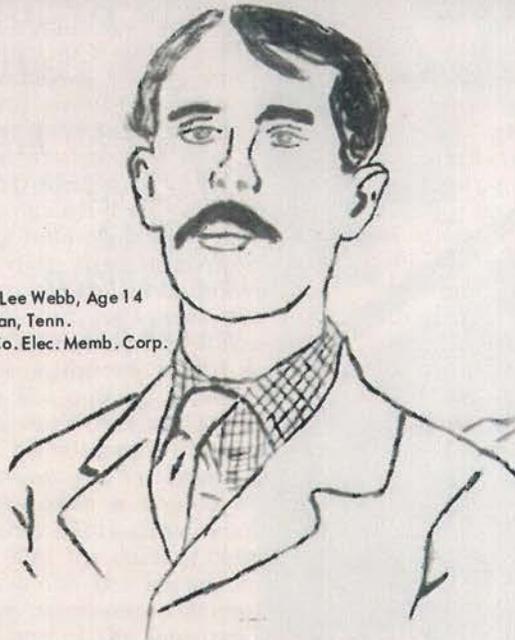
Tennessee's Rural Electric Cooperatives

Uncle John's Page

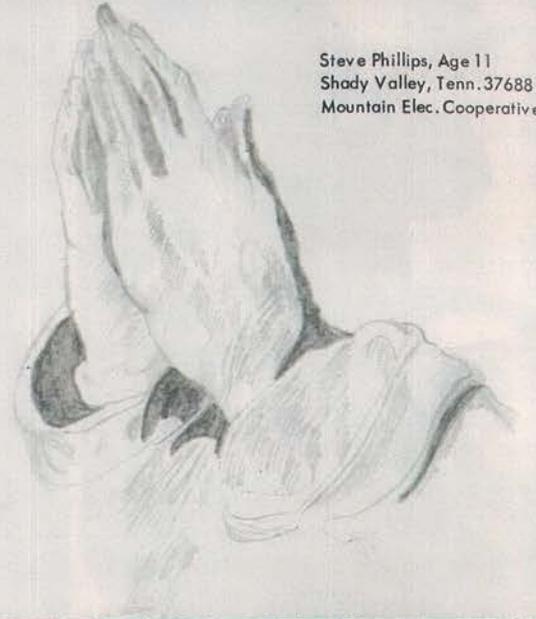
This page is reserved for the young folks. We will pay one dollar for each poem or drawing published. ALL WORK MUST BE ORIGINAL. Drawings should be in black, and drawn on white, unlined paper. Tell us your age, address, and Electric Co-op, and

Send all items to:

UNCLE JOHN, The Tennessee Magazine
P. O. Box 7232, Nashville, Tenn. 37210



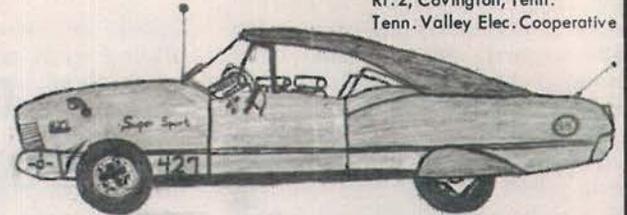
Commie Lee Webb, Age 14
Rt. 3, Milan, Tenn.
Gibson Co. Elec. Memb. Corp.



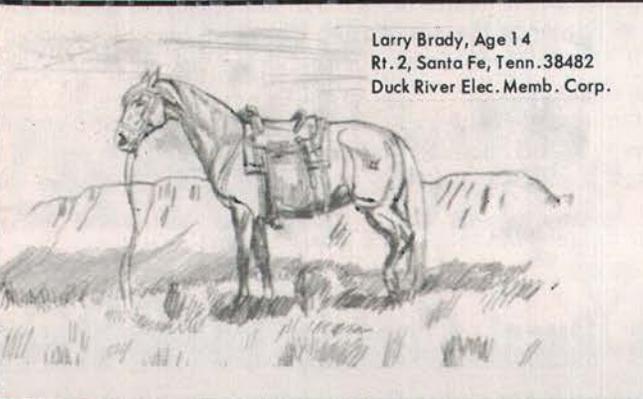
Steve Phillips, Age 11
Shady Valley, Tenn. 37688
Mountain Elec. Cooperative



Jerry Hawkins, Age 14
Rt. 3, Morristown, Tenn.
Holston Elec. Cooperative



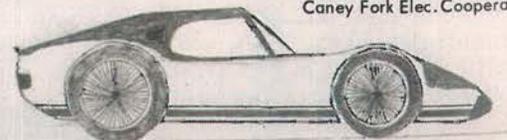
Thurman Adams
Rt. 2, Covington, Tenn.
Tenn. Valley Elec. Cooperative



Larry Brady, Age 14
Rt. 2, Santa Fe, Tenn. 38482
Duck River Elec. Memb. Corp.



Betty Head, Age 14
Rt. 2, Pocahontas, Tenn.
Pickwick Elec. Cooperative



Jerry Einecker, Age 13
Rt. 4, Sparta, Tenn.
Caney Fork Elec. Cooperative

Timely Topics

SAFE HANDLING OF GASOLINE IN FARM SAFETY

The only correct way to handle gasoline and kerosene around the farm is with extreme caution. Faulty use and storage of flammable liquids causes more than 1000 fires a week in this country, according to National Fire Protection Association estimates, says Houston Luttrell, Agricultural Engineer and Leader with the University of Tennessee Agricultural Extension Service.

During Spring and Summer Clean-Up is an excellent time to check whether you handle gasoline and kerosene in a safe way. Luttrell suggests that you test yourself in the safe handling of flammable liquids by determining if you can answer "yes" to all of the questions on this check list.

1. Do you keep tractors and other gasoline-using equipment stored in a building separate from the barn and other farm structures?
2. Do you store gasoline and kerosene supplies outdoors at least 40 feet from any building?
3. If you keep small amounts of gasoline and kerosene in a building, are they kept only in metal safety cans and never in breakable glass jugs or bottles?
4. Do you fuel equipment at a safe distance . . . at least 40 feet . . . from any buildings?
5. Do you allow equipment to cool before refueling?
6. Do you strictly observe the "no smoking" rule while gasoline and kerosene are being handled and near areas where they are stored?
7. Are light bulbs protected from breaking and electrical circuits in good repair in areas where flammable liquids are used and stored?

If you can not answer "yes" to all of the questions on this check list, it is time to take steps to handle gasoline and other flammable liquids safely on your farm.

GREEN LEAFHOPPER IS MAJOR POTATO PEST

The green leafhopper, a major insect pest that reduces potato yields in Tennessee, should be controlled by regular applications of a recommended insecticide. That's the suggestion of J. J. Bird, University of Tennessee Extension associate horticulturist.

The reduced yields from leafhopper infection are a result of premature destruction of the vines several weeks before the potato tubers have completed their growth, Bird says.

The leafhopper eggs are laid on the mid-rib of the potato leaves and toxic substances are carried to the tips of the young, rapidly growing leaves. These toxic materials cause the leaves to cup upward and the edges to become brown, reports Bird. Many potato producers mistakenly recognize these symptoms as an indication that their potatoes are maturing. In reality, however, the vines are being destroyed several weeks before normal maturity.

Leafhopper damage can be controlled by regular applications of DDT, Sevin, and several other insecticides. In many cases, the prevention of leafhopper burn will result in greater potato yield increases than can be brought about by any other single production operation, says Bird.

FLY CONTROL IS IMPORTANT

Dairy men are reminded to take the necessary steps to control flies on dairy animals in order to obtain higher milk production.

"Research has shown that dairy cows protected from flies produce 10 to 20 percent more milk than unprotected cows," says Herbert Holt, University of Tennessee Extension assistant dairy husbandman. "This could easily mean the difference between profit and loss."

One effective way to apply insecticides to animals is by using a homemade or purchased backrubber, he notes. Several demonstrations over the state have proven that flies can be controlled by this method. If the backrubber is located in a narrow lane, such as the exit lane of the dairy barn, it will be very effective. The homemade backrubber should be soaked with No. 2 diesel fuel before treating with the insecticide, whereas the insecticide can be poured directly into the purchased backrubber.

The insecticide used to charge backrubbers for dairy cows is Ciodrin or Co-Ral, recommends the dairy husbandman. Make a 0.3 percent Ciodrin solution by adding three fluid ounces (six of the 1.1 No./gallon of Ciodrin) to one gallon of No. 2 diesel fuel. The insecticide should be used at the rate of one gallon per 20 linear feet. Repeat the treatment every two to three weeks.

"During August the dairyman should use Co-Ral instead of Ciodrin in order to also control cattle grubs," he notes. "Co-Ral should be used according to the directions on the label."

To further eliminate the fly problem, the holding and resting area walls should be sprayed with an insecticide called Cigon. Again use according to the directions on the label.

CHECK WATER SUPPLY FOR FIRE FIGHTING

A waterless period can mean trouble for crops, but a lack of water can spell disaster for homes and farm buildings, points out Houston Luttrell, University Extension agricultural engineer.

"Are there adequate supplies of water for fire-fighting purposes on your farm?" he asks. "One of the most important Spring Clean-Up chores you can do is to thoroughly check the water situation on your place."

Here is a check list of questions:

1. Do you have a supply of at least 3,000 gallons of water—immediately available, usable in all seasons and always kept clean? Fire protection authorities urgently recommend this for every farm.
2. Have you prepared and sent to your fire department a list of locations of all water supplies around your farm—wells, brooks, ponds, stock tanks, cisterns?
3. Are approaches to water supplies well marked and solid enough so fire pumpers can get close enough without becoming mired?
4. If you depend on a pond, stream or drainage ditch for fire-fighting water supplies, have you provided a stone-lined water hole or concrete cistern to reduce the chance of suction hose fouling?

Any "no" answers to these questions are a signal for immediate action, says the engineer.

ALLADIN PLASTICS OF TENNESSEE, INC.

By Noah Britton, Jr., Member Service Director
Holston Electric Cooperative

In December 1966 a new Industry was dedicated near the small town of Surgoinsville in Hawkins County, Tennessee. The new industry: a plastic plant manufacturing Alladinware plastic products.

To review briefly the events leading up to 1966, Alladin Plastics was founded in 1946 by Mr. Sam Avedon with one molding machine, one item and three employees. Later, three more machines and items were on order. This plant had 5,100 square feet. In three years with the line of six items another factory was opened with 7,000 square feet. Unfortunately all these plants in New Jersey were forced to close because of uneconomical conditions. All equipment and materials in New Jersey were moved to Los Angeles to a new larger plant containing 28,000 square feet. Also two new larger machines and a number of new products were added.

In 1951, the Los Angeles plant was completely destroyed by fire putting Alladin out of business for a year. But like phenix rising out of ashes, they built a new 42,000 square foot factory near Los Angeles International Airport. After six years they rebuilt a going business and added twelve additional machines. By then the plant was bursting at the seams. In 1956 Alladin moved into a new 90,000 square foot building in Gardena, California. Subsequently additions were added to increase the new facilities to 150,000 square feet. The Gardena facility had room for further expansion but it was decided a plant in the Eastern United States would be more desirable.

Hawkins County having unlimited industrial sites, labor, utilities and with an active Industrial Committee headed by William Towers, General Manager of Holston Electric Cooperative and D. S. "Bo" Sample, Executive Director of the Industrial Committee, the proper contacts were made and carried out until Alladin decided to locate their Eastern Plant in Hawk-



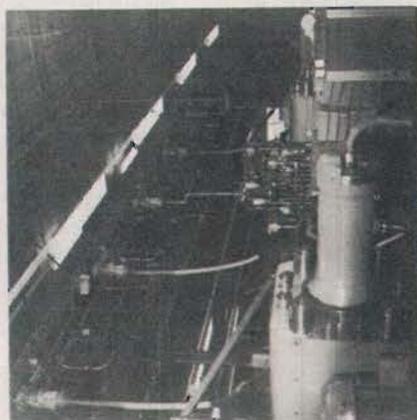
A finished set of "Alladinware" glasses with other items produced by Alladin in background.

ins County—if the County would provide the building. Mr. Sample and Mr. Towers appeared before the members of County Court, the results were for a referendum to be set, to see if the people wanted the plant. The vote was unanimous. Hawkins County then secured the proper location near Surgoinsville, Tennessee, near water, railroad, good road and utilities, built a 220,000 square foot factory and leased it to Alladin Plastics, Inc.

On December 3, 1966, dedication and open house were held and attended by a large crowd with leaders in the County taking part in the ceremony. Mr. James L. Breece, the plant manager, pledged Alladin's best efforts to provide year around jobs at fair wages, good working conditions, to take active interest in the general and economic welfare and progress of the community. Today, two years later, Alladin Plastics of Tennessee, still under the management of Mr. Breece, has lived up to all expectations plus bonuses. An excess of 125 people are employed turning out more



Plastic material is received by Alladin in small pellets before being melted down.



From bins located above molding machine, pellets feed into the hoppers.



One of the large molding machines from which chairs, baskets and other large "Alladinware" is formed.

Volunteer Views

by J. C. Hundley

Executive Manager, TECA

When the Rural Electrification Administration came into being in 1935, primarily as a source of loan funds by which existing private power companies (there were no rural electric co-ops in existence then) could electrify the rural and small town areas of our nation, most of these private utilities turned their corporate backs on the entire plan—REA, Rural Electrification, and everything connected therewith.

Their reasons for rejecting REA loan funds for Rural Electrification, often loudly voiced, were that rural people would never use

enough electricity to justify the financial investments of the private power companies and many, even the minimum users, would be unable to pay their electric bills. In other words, Rural Electrification would not be an economically feasible investment for most of the private power companies, which have long been, and still are, far more interested in profits than they are in service to people.

After practically all of the private utilities shunned REA loan funds, rural and small town residents were forced to provide electric services to themselves, primarily through Rural Electric Cooperatives, which began coming into being in 1936. Today there are almost 1,000 such organizations scattered throughout all but four or five states in the nation.

And do rural and small town people use enough electricity to justify investment in extension of electric services to them? The answer is an overwhelming "yes" and to the extent that the private power company interests have admitted that refusing to extend rural services back in the 1930's was one of the greatest economic blunders ever committed by a

major segment of American industry.

Here's why. During the fiscal year ended June 30, 1967 (the latest available) rural electric systems either purchased, or generated by themselves, a total of 56.3 billion kilowatt hours of electric energy. That figure represents an increase of 12% over the previous year and 164% more than was purchased just ten years ago. At the present time, electric co-ops are having to double their purchases of power every five to seven years to keep up with member consumption. This more than answers the question as to rural use of power.

And can these rural people pay for their power? They can and do, in part because the availability of electricity has helped them earn more money for a better way of life in many ways. Electric co-ops ARE people, members who by paying for the electricity which they use have established in their repayments, with interest, to REA the finest financial record to be found anywhere in this world.

This is one of the many reasons why it can be said in all truth: Rural Electric Cooperatives benefit ALL Americans!



Operator removing a clothes basket from molding machine.



Shipping department sending "Alladinware" to destination.

than 150 items of houseware and chairs. These products are sold by over eighty sales representatives domestically and overseas. One can find Alladinware in variety, drug, discount and grocery stores.

Holston Electric Cooperative is proud to have had a part in the building of Alladin Plastics, Inc. and to have them as a consumer-member. Not only does the plant use electricity but provides good jobs for resi-

dents.

In Hawkins County one hundred new industrial jobs means 359 more people, three more retail establishments, 90 more school children, 97 more passenger cars, \$229,000 more bank deposits, \$710,000.00 more personal income per year, 65 more employees in non-manufacturing, \$331,000.00 more retail sales per year.

Look for "Alladinware." It's a quality product.

YOU CAN CATCH A RECORD FISH

By Jim Carmichel
The Tennessee Conservationist Magazine

Catching a record size fish is something all fishermen dream of but very few actually accomplish, even in Tennessee. Yet the quest goes on — everytime a fisherman casts his bait into the water a little voice somewhere deep in his wish box says "this could be the one."

Actually, your chances of becoming the holder of an authentic Tennessee biggest fish record are much better than you might suppose. The reason is that several rather common species have never had an official record established! In other words anyone taking any of the species listed below on legal sporting tackle and having the catch duly recorded will automatically become the holder of a state record for that species! Those with no official size record are:

Native Brook Trout
Silver Salmon
Kokanee Salmon
Redbreast Sunfish
Redhorse
Flathead (yellow) catfish
Bullhead
Pumpkinseed Sunfish
Longear Sunfish
Yellow Bass
Coosa Bass
Yellow Perch

If you should catch one of the above species weigh the fish as quickly as possible (to avoid weight loss) on approved scales (such as grocery store meat scales) and have two or three witnesses on hand to verify the weight. Also measure the length and girth (the distance around the fish at the widest point) and also have these measurements verified by the witnesses. If at all possible it is wise to contact your local Tennessee Game and Fish Officer who will make positive identification of the species and help process your record. In due time you will receive a certificate from the office of the Director of the Game & Fish Commission proclaiming you the holder of an official Tennessee fish record. Now won't that be something to talk about.

Too, Tennessee fish get bigger every year so there's always the chance of breaking one of the established records. Therefore the following list of records should give you something to shoot at.

TENNESSEE ANGLING RECORDS

SPECIES	WEIGHT	LOCATION	ANGLER	DATE
LARGEMOUTH BASS	14 lb. 8 oz.	Sugar Creek	Louge Barnett	10/17/54
SMALLMOUTH BASS	11 lb. 15 oz.	Dale Hollow Resv.	D. L. Hayes	7/13/55
BLUEGILL (Bream)	2 lb. 8 oz.	Linger Lake	Forest Kidwell	9/13/56
	2 lb. 8 oz.	Cheatham Lake	Walter McFarland	2/22/61
SPOTTED BASS (Kentucky Bass)	3 lb. 8 oz.	Kentucky Lake	Ted A. Heathcott	8/15/65
REDEAR (Shellcracker)	1 lb. 12 oz.	City Lake	F. M. Goforth	—
GREEN SUNFISH (Pond Perch)	0.4 lb.	Ky. Lake Benton Co.	Mrs. Gedeon Petit Eva, Tenn.	4/23/67
ROCK BASS (Redeye)	2 lb. 8 oz.	Stones River	Bill Sanford	1958
WHITE CRAPPIE	4 lb. 7 oz.	Cannon's Lake	Mrs. Brandford Thomas	4/4/61
BLACK CRAPPIE	1 lb. 8 oz.	Kentucky Resv.	Arthur Gadlodge	4/19/67
MUSKELLUNGE	28 lbs.	Irons Creek Dale Hollow	Will Speck	4/12/67
CHAIN PICKERELL	5 lb. 12 oz.	Kentucky Lake	Donald Orgain	1951
WHITE BASS (Stripe)	4 lb. 10 oz.	Pickwick Tw.	Jack D. Allen	1949
STRIPED BASS (Rockfish)				
WHITE BASS X (Striped Bass Hybrid)	14.5 lbs.	Kentucky Lake	Robert Woffard	3/67
BROWN TROUT	26 lb. 2 oz.	Dale Hollow Tailwater	George Langston	5/58
RAINBOW TROUT	12 lb. 10 oz.	Doe Creek	Jack Wilson	4/58
WALLEYE	25 lbs.	Old Hickory Lake	Mabry Harper	8/3/60
SAUGER	6 lb. 10 oz.	Little Tenn. River	Sam Duncan	2/23/64
	6 lb. 10 oz.	Old Hickory Lake	Jack Goodman	12/4/65
BLUE CATFISH	102 lbs.	Tenn. River at Savannah	Paul Walker	6/28/55
CHANNEL CATFISH (Willow Catfish)	24.2 lbs.	Laurel Hill Lake Lawrence Co.	Carl Spencer Lewisburg, Tenn.	8/26/67
LONGNOSE GAR	23 lbs.	Pickwick Tw.	Jimmy Gouvitts	1963
BOWFIN (Grindle)	10 lbs.	Kentucky Reservoir	Lela Chaffee	9/10/67
CARP	42 lb. 8 oz.	Boone Lake	Al Moore	8/12/56
BUFFALO (Species unidentified)	23 lbs.	French Broad River	Bill Archer	5/20/57
DRUM	47 lbs.	Watts Bar Res.	Grover Parriman	1/2/55
RIVER HERRING (Skipjack)				
WARMOUTH	6.5 oz.	Marrowbone Lake Davidson Co.	Charlie Hays	10/26/67



Can We Wave The Flag Too Much?



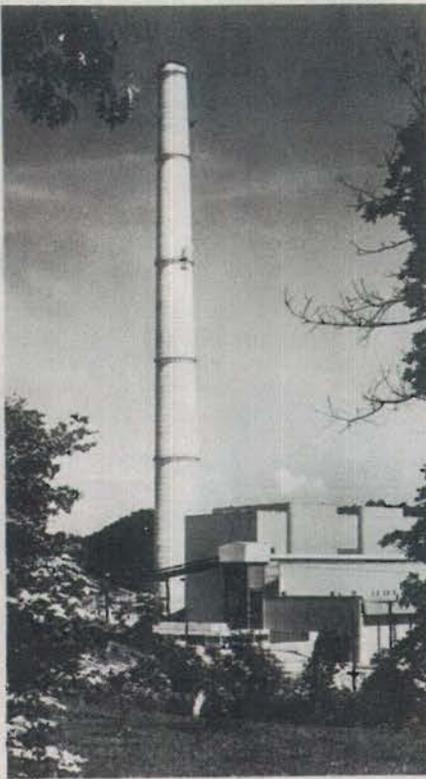
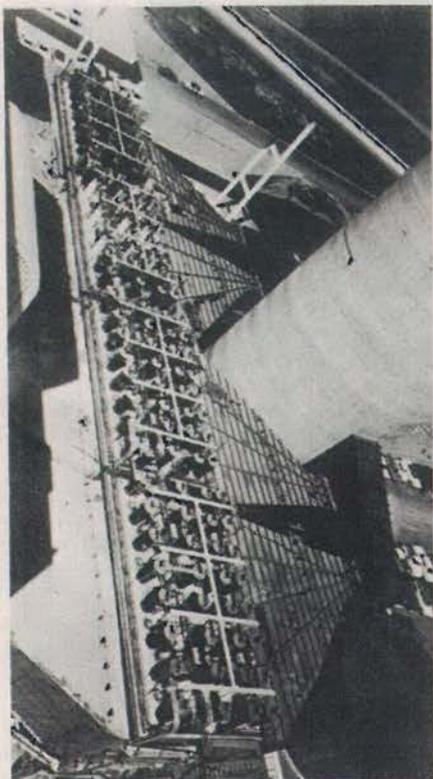
Is it possible to wave the flag too much? Provided, of course, that you wave it with integrity? Is it possible to study Lincoln or Shakespeare too much? Is it possible to read the Bible too much? The great, the good, the true, are inexhaustible for inspiration, example and strength. I believe that we are not waving our flag enough, not nearly enough. It seems to me that we are developing a tendency to be timid or even apologetic about waving the stars and stripes. Walk up and down the streets on July 4th and count the flags. It is our nation's birthday, a sacred day in world history, the most important day of America. Why isn't the flag flying on every rooftop and from every home and building? This complacent attitude is strong evidence of cancerous patriotic decay. The flag is a symbol of our national unity. It is the spirit of our undying devotion to our country. It stands for the best that is in us . . . for loyalty, character, and faith in democracy. Isn't our flag a synonym of the United States of America? Does it not represent man's greatest, noblest, most sublime dream? Is it not the zenith of achievement, the goal to which generations have aspired? Ladies and gentlemen, I believe it is time for us . . . for the mad, rushing Twentieth Century American . . . to stop for a moment and think. Let us arrest our near reverential admiration of material success and return to the spiritual and ethical values. Let us imbue and rekindle in ourselves and our children the so-called old-fashioned way of patriotism, a burning devotion to the principles and ideals upon which our country was founded. Should not every home own and proudly display the colors on holidays and other such occasions? Isn't the flag Patrick Henry, Jefferson, Franklin, Washington, Nathan Hale, Gettysburg and Valley Forge, Paul Revere, Jackson and other great men and women who have given us our heritage. When you look at the flag can't you see the Alamo, Corrigedor, Pearl Harbor, The Monitor, The Merrimac, Wake Island, and Korea? Lest we forget, isn't the flag Flanders Field, Bataan, Iwo Jima, Normandy, Babe Ruth and Davy Crockett? The great events of our past and present are wrapped up in our flag. It is a symbol of this blessed nation, a giant in industry, education and commerce. Millions of fertile square miles, wheatlands, coal mines, steel plants. Our great republic, the chosen infant destined to be man's last and remaining hope for suffering humanity, a shining beacon of light, noble and glorious, the haven for the oppressed and persecuted and truly God's gift to mankind.

That is what the flag means to me. Can we wave it too much? I don't think so.

Reply of S. L. DeLove on the **Know Your History Hour**, December 30th, 1956, to a listener who wrote as follows: "Your programs are wonderful—especially the no commercials—but you are waving the flag too much." The above has been reprinted annually in many national magazines, newspapers and radio stations, and is a part of the Congressional Record. Dr. DeLove is the author of **The Quiet Betrayal** and president of Independence Hall of Chicago.

Air Contaminants May Be Put to Gainful Use

A T.V.A. STAFF REPORT



Electrostatic precipitators, a towering chimney, and a specially-equipped helicopter represent three aspects of TVA's air quality control work. TVA now is spending more than \$13 million to install precipitators on additional power plants to remove fly ash more efficiently before gases enter the stacks. Stacks up to 1,000 feet high are being provided to loft power plant emissions high above ground. Extensive research, including use of a helicopter to analyze smoke plumes, helps improve TVA air quality control.

In years to come, new technology may turn air contaminants from the furnaces of power generating plants into raw material for adjacent fertilizer factories. Pollution-free nuclear power plants may "breed" fuel as they produce electricity, while battery-powered electric cars help solve another environmental problem in the cities.

Breakthroughs in extra-high-voltage power transmission already are reducing the number of new transmission lines that must be built as power demands increase. In the future, totally new ways of moving large amounts of power may make it more feasible to put high-voltage lines underground in populous areas.

The expanding variety of research and development in the

electric power industry is reflected in the Tennessee Valley Authority's power research program, which is expected to cost \$1,500,000 to \$3,000,000 a year for the next several years.

TVA is continuing studies to improve power system efficiency and reliability, but today the biggest share of its power research is aimed at maintaining control of environmental problems.

TVA Manager of Power G. O. Wessenauer is currently chairman of the national Electric Research Council, organized in 1965 to bring together all segments of the electric power industry to support research. TVA has contributed to Council research projects on extra-high-voltage power transmission, use of plutonium in water reactors, possible "clean look"

designs for transmission towers, and physiological effects of sulfur oxides, as well as more prosaic technical problems of power system operation.

Further research projects now being considered by the Council and of interest to TVA include a \$24 million national power research and development center, electric vehicle storage batteries, and cooperative U.S.-British research on a process for recovering elemental sulfur from the sulfur oxides produced in fuel-burning power plants.

Arrangements are under way for TVA to participate in the Council's studies on underground power transmission at very low temperatures. With present technology, underground transmission at high voltages is prohibitively expen-

sive, and likely to be used only to carry power for short distances through cities. TVA does not face this need, since its generating plants are mostly in rural locations and its transmission lines generally run only to substations on the outskirts of cities. But it is interested in this long-range basic research on future underground transmission technology.

Meanwhile the development of extra-high-voltage facilities will help limit the proliferation of transmission lines that would be necessary otherwise as the demand for electricity doubles about every seven years. It would take ten or more 161,000-volt lines, formerly the backbone of the TVA system, to carry as much power as one of the 500,000-volt trunk lines now being built. Through design studies, testing, and new construction methods, TVA has had a significant part in the development of extra-high-voltage transmission.

Largest item in TVA's power research program now is its studies in cooperation with the U.S.

Public Health Service to compare the feasibility of various ways for limiting sulfur dioxide emissions from coal-fired generating plants. Included is a \$4 million full-scale test of one sulfur dioxide control method at TVA's Shawnee and Paradise Steam Plants.

These PHS-financed projects rely heavily on studies and guidance by scientists and chemical engineers at TVA's National Fertilizer Development Center in Alabama, who have had long experience in some of the technology required in sulfur dioxide control processes, and by TVA's design and power production staffs. The unique combination of electric power and chemical engineering in TVA's resource development program has given it a natural part in this national air quality improvement effort.

Air quality research is not a new field for TVA. When the first of its large, modern steam plants went into operation in 1951, TVA began a program of studies and monitoring that has provided some of the best basic data available for pre-

dicting the effects of power plant operation on air quality under various weather conditions. This information has been useful to TVA and other systems in locating, designing, and operating power plants.

One result has been the use of tall stacks to loft power plant emissions high above the ground—the stacks at TVA's new Cumberland Steam Plant will tower 1,000 feet. Another result has been the installation of increasingly effective equipment to limit fly ash emissions from the stacks of TVA steam plants. The sulfur dioxide removal processes now under study represent another step toward this air quality improvement.

Because of its size, the TVA power system often serves as a proving ground for new generating equipment larger than any previously manufactured. Currently it has on order the first nuclear units of more than a million kilowatts' capacity and the first 1,300,000-kilowatt coal-fired units.

Our Readers Always Write

(Editor's Note: The Tennessee Magazine is, and for all of its ten years of life has been, YOUR magazine. During its formative years, most of the communication has been from the magazine to you. Beginning with this issue, we are asking that more and more of the communicating be from you to the magazine. We want to know your thoughts, your opinions, your questions on any subjects of your choosings. As space will permit, we will publish your letters with your names or, on your request, use only your initials. Address all letters to: Editor, The Tennessee Magazine, P.O. Box, 7232, Nashville, Tenn. 37210.)

Dear Sir:

In the May issue of The Tennessee Magazine, you had an article on Central Cleaning System. We are in the process of planning a new home and we would like to know more about installing this type of cleaning. We would like the name of the dealer we could get this from.

Thank you,
Mrs. J. R. Brooks
Madison, Tennessee

P.S. We really enjoy reading The Tennessee Magazine.

Dear Mr. Stanford:

Please accept my personal thanks for the nice article you wrote for the TENNESSEE MAGAZINE concerning our company (KINEMATICKS). It is a rare occasion when anyone sees such unsolicited accommodations these days.

My phone has been busy with compliments on the article and requests for copies of the magazine. Therefore, if it is possible for you to get about 25 extra copies, we will appreciate it and pay you whatever the charges are.

Thanks again. We really appreciate your assistance.

Yours truly,
Frank Berry
President

Gentlemen:

Mr. Robert Elder, Executive Vice President of Allen & O'Hara, Inc., noted with interest the article in your Pickwick Edition of TENNESSEE Magazine concerning the electric logs which were recently installed in the home of Mr. and Mrs. Robert Johnson, Selmer.

Mr. Elder would appreciate re-

ceiving information as to where electric fireplace logs are available, cost, etc., and oddly enough, we have been unable to locate the distributor or anyone else in Memphis who has any information of this item. Would you please give us any information available concerning same?

Sincerely,
Dorothy Lester
Secretary to Mr. Elder

Dear Sir:

Just a few lines to thank you for the complimentary subscription to your TENNESSEE MAGAZINE. The May issue arrived Tuesday and I was delighted—found three stories (Central Cleaning System . . . , Inside Story on Light Bubbles, and Cattle Pond piece) especially interesting.

I really do appreciate your giving me the opportunity to enjoy the magazine and shall be looking forward to future issues.

Sincerely,
Ruth H. Johnson
Equipment & Homes
Furnishings Editor
The Progressive
Farmer Magazine

MARKETPLACE

SAW CHAIN—new, fully guaranteed, low as \$11 per chain. Hardnose bars from \$14. Free catalog parts, accessories, for all makes chain saws. Big savings. Zip-Penn, Box 179-Z, Erie, Pennsylvania 16512.

SOUTHERN CHANNEL CATFISH, fastest growing gamefish, gains 4 lbs. year. 7-10 inches, 10¢ each. Larger sizes available. Large orders free delivery. Live delivery guaranteed. SULIK, Rt. 3, Shelbyville, Ky. 40065. Phone 502-633-1800.

Learn Auctioneering. World's Largest School. Free Catalog. Term Opens Soon. REISCH AUCTION COLLEGE, Mason City, Iowa 50401.

COLLAPSIBLE FARM-POND FISH-TRAPS: Animal traps. Postpaid. Free Pictures. SHAWNEE, 39340 Buena Vista, Dallas 4, Texas.

"ZIPCODE DIRECTORY"—(ALL 50,000 postoffices, branches, stations—1 08 pages!). Each: \$2.00 MAILMART, Carrollton 25, Kentucky 41 008.

RAISE RABBITS for us on \$500 month plan. Free details, White's Rabbitry, Mt. Vernon, Ohio 43050.

African nightcrawlers, Wholesale, Retail, Shipped postpaid, Bonanza Worm Ranch, Loda, Illinois 60948. Phone (217) 386-2111.

"The British Miracle that creates super plants. Concentrated growth formula in pellet form. Individual treatment for each plant. Easy to use. Full instructions with each package. Only \$2.98 per pkg. (140 pellets). Money back guarantee." Hamilton Sales, 2701 Hartford Drive, Nashville, Tennessee 37211

**MUSIC CITY SONGCRAFTERS,
NASHVILLE
TENNESSEE**
NEEDS: Song Poems or Song Ideas!
Rock & Roll, Ballad, Gospel, Country & Western for musical setting and recording with the "Nashville Sound." Send material for free appraisal and our best offer to:
SONGCRAFTERS, Studio T
6145 Acklen Station, Nashville, Tenn. 37212

WALLPAPER-SAVE HALF or more. Huge new 1967-68 catalog, over 100 selections, 19¢ to 69¢ single roll — send 10¢. Mutual Wall paper, Dept. T, 228 West Market, Louisville, Kentucky. 40202

WANTED: Wild Ginseng, Golden Seal, Miscellaneous Roots. Furs. Honest! Dependable! Asa Fur Company, Canalou, Mo. 63828.

Ft. Smith Auction School, Ft. Smith, Ark. 2 locations. Resident & home study. Veteran approved.

ROCKS, REDS, Cornish \$3.75-100. Large Jumbo White Rocks \$5.40. Other breeds \$1.45 to \$5.45. Pullets \$9.99. Before you buy, compare our prices. Guaranteed savings. Customers choice of breeds shown in terrific big free catalog. Shipment from hatchery your section. Atlas Chick Company, Home Office, 2651 Chouteau, St. Louis, Missouri 63103.

WILD GINSENG WANTED: Golden Seal, May Apple, Miscellaneous Roots. Highest Prices Paid. MAGEE FUR CO., Eolia, Missouri 63344.

EARN UP TO \$2.40 HOUR Assemble Our Products At Home. Supplies Furnished Simple. Fun To Do. Write: United, Box 55392-FL Indianapolis, Indiana.

Self-improvement books on health, wealth, happiness. Free list. Hamilton Sales, 2801 Hartford Drive, Nashville, Tennessee 37211.

LOOSENS RUSTED BOLTS,
NUTS, SCREWS & PARTS.
**LIQUID
WRENCH**
AT HARDWARE AND AUTO
STORES EVERYWHERE.



It
pays to
LIGHT UP



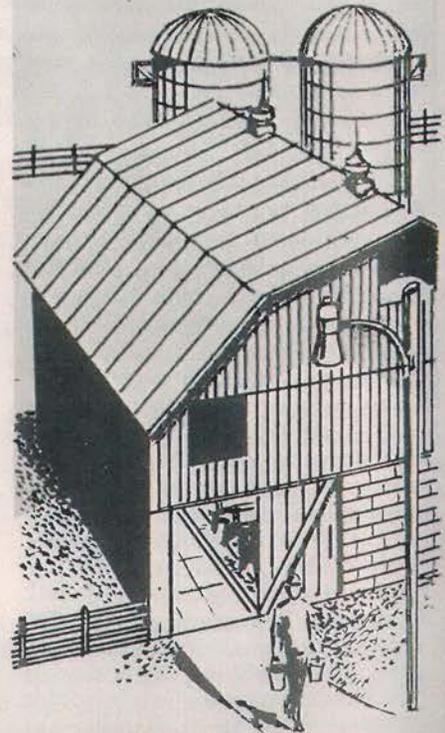
IT PAYS TO mechanize YOUR FARM-STEAD



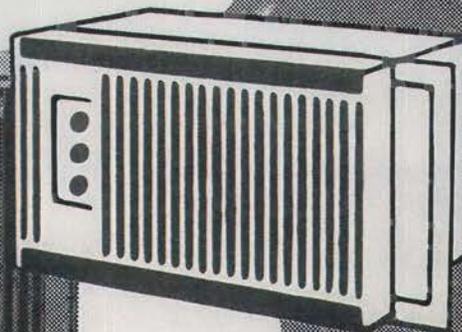
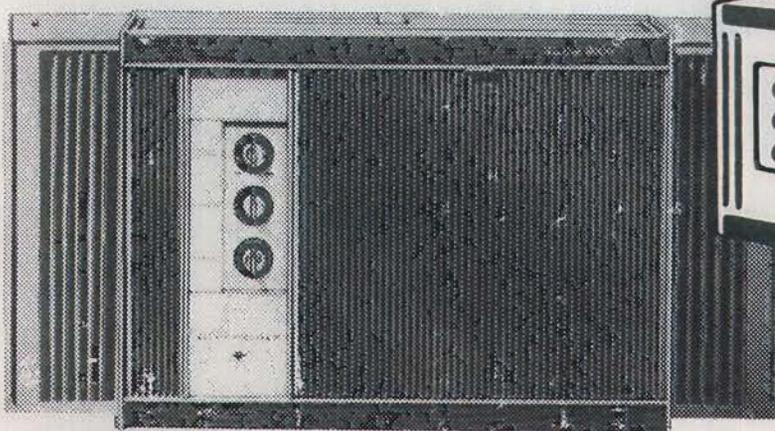
FARM BETTER ELECTRICALLY

**GO
MODERN--
GO
ELECTRIC**

**SEE
AFTER DARK**



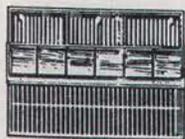
This summer carry your comfort from room to room



Hotpoint's all new light-weight Porta-Cool air conditioner

When you move from room to room this summer, take your Hotpoint Porta-Cool with you. It's a breeze to carry. And it fits in nearly every kind of standard window with quick-mount panels. Reuseable tilt-out filter slips out for easy cleaning, then slides right back in again. Choose from 5 models, 5,000 to 8,000 BTU's. Pick one up at your Hotpoint dealer now.

Hotpoint Air Conditioners from 5,000 to 28,000 BTU's, to fit every type of window.



American Group



Compacts



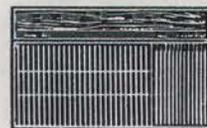
U-Mounts



Side-Mounts



Casement-Models



Large-Capacity

Hotpoint ... first with the features women want most.

GENERAL ELECTRIC COMPANY
Louisville, Kentucky 40225

Three way protection

that covers you both IN and OUT of the hospital

PLUS UP TO
\$500.00
for doctor calls



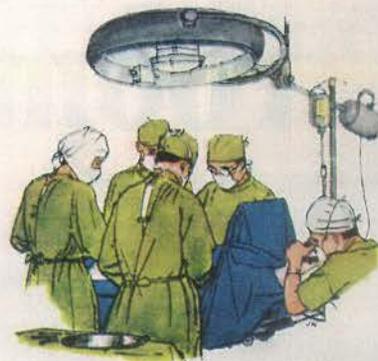
Doctor Calls—Pays up to \$500.00 on a scheduled basis for doctor calls at the office, in the hospital, or at home. Includes liberal surgical schedule. Pays both doctor calls and surgical benefits for the same sickness or accident! Doctor call benefits are payable up to the date of the operation...thereafter Surgical benefits are payable. Covers the whole family!

NOW PAYS YOU UP TO
\$1,000.00
a month
for regular living expenses



Living Expenses—Pays from \$100.00 to \$1,000.00 a month (depending on the amount you qualify for) to help take care of your regular living expenses when the family breadwinner is disabled and unable to work. As explained in your policy, these *tax-free* benefits are payable for disabilities that start before retirement or age 65. Special benefits are payable for disabilities that start after retirement or age 65.

PLUS UP TO
\$10,000.00
for hospital-surgical-
medical bills



Hospital-Surgical-Medical—Pays up to \$10,000.00 for every insured member of your family. Provides cash to help pay the cost of doctors, specialists, hospital care, X-rays and lab examinations, etc. A sensible deductible amount and share-the-risk feature keep the cost to a minimum. These benefits are payable for disabilities that start before age 65. Hospital income benefits are payable for disabilities that start thereafter.

Free book plus free facts
about how you can get
more for your money.



65 OR OVER?

Get extra cash to supplement Medicare. New "Extra Security" plan pays \$100.00 a week *tax-free* cash *direct to you* when you are hospitalized... provides vitally needed extra cash payments that **DOUBLE** and **TRIPLE**—up to \$300.00 a week—as your needs grow and your Medicare payments decrease.

No physical exam! Enroll now! Get free facts about Mutual of Omaha's new "Extra Security" plan that works in partnership with Medicare. Mail coupon *today!*

Now you can have free facts about simple, easy ways to stretch your health insurance dollars, become a smart money manager, and kick financial worry out of your life. Learn how Mutual of Omaha Insurance Company and its life insurance affiliate, United of Omaha, can provide a low-cost packaged program of health

and life insurance for the whole family! You'll have 128 pages crammed full of practical ways to build your financial security and your health power, too. How to detect childhood diseases! How you can eat well and lose weight! Nine ways to reduce tension! **MAIL COUPON TODAY!**

* Listen to Bob Considine, Saturdays & Sundays, on NBC's Monitor!

MAIL THIS COUPON TODAY!

Mutual of Omaha
Omaha, Nebraska 68131

Dept. 907

I am under 65. Please send facts about "Three-way" protection plans that are available in my state, together with my copy of free book.

Also send FREE information about fine, modern low-cost life insurance programs available to my family from United of Omaha.

I am over 65. Please send me FREE facts about new "Extra Security" hospital income plans now available in my state.

Name _____

Address _____ STREET AND NO. OR R.F.D.

City _____

State _____ Zip Code _____

IF UNDER 18 HAVE PARENT SIGN HERE



Life Insurance Affiliate: United of Omaha
Home Office: Omaha, Nebraska