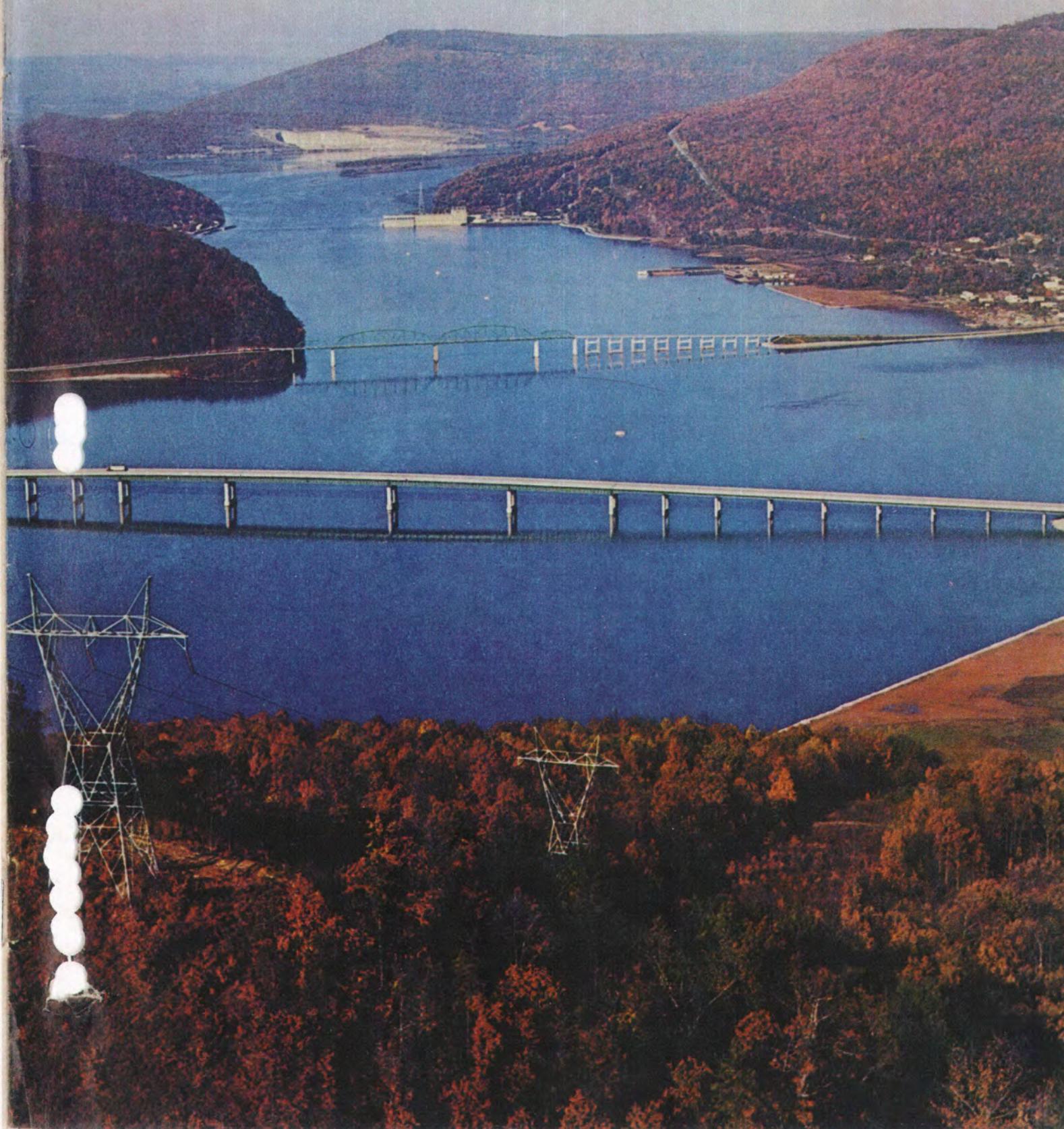


NOVEMBER, 1970

Tennessee

MAGAZINE

Dedicated to Better Living



NURSERY STOCK SALE!

WE HAVE OVER 350 VARIETIES TO CHOOSE FROM

Planting Instructions included in each order. Every plant will be labeled. Order by mail.

Rose Bushes: 2 Yr. Field grown blooming size bushes. All monthly bloomers in these varieties. \$7.98 each.

Prices on Rose Bushes: 79¢ each, 6 for \$4.29—12 for \$7.98, your choice of varieties

REDS	Red Radiance Better Times Crimson Glory Poinsettia Mirandy	TWO TONES	President Hoover Edith N. Perkins Contrast Condesa de Sastago	CLIMBERS	C. I. Blaze Red C. I. Golden Tallman C. I. Golden Charm C. I. Pink Charm C. I. White Am. Beauty	YELLOWS	Eclipse Golden Charm Peace Luxembourg Golden Dawn	PINKS	Pink Radiance The Doctor Columbia Picture K. T. Marshall	WHITES	K. A. Victoria Caledonia K. Louise Rex Anderson White Am. Beauty
FLOWERING SHRUBS—1 or 2 Years Old											
Crepe Myrtle—Red, Purple, Pink, White, 1 to 2 ft. \$6.9 ea.											
Spirea Van Houtte—White, 1-2 ft. 29 ea.											
Spirea Reinesiana, 1 to 2 ft. 29 ea.											
Weigela—Red or Yellow, 1 to 2 ft. 29 ea.											
Weigela—Var. or Pink, 1-2 ft. 29 ea.											
Althea—Red or Purple, 1 to 2 ft. 29 ea.											
Althea—Pink or White, 1 to 2 ft. 29 ea.											
Forsythia—Yellow, 1 to 2 ft. 29 ea.											
Pink Spira, 1 to 2 ft. 29 ea.											
Pink Flowering Almond, 1 to 2 ft. 59 ea.											
Tamaris—Pink, 1 to 2 ft. 29 ea.											
Bush Honeyuckle—Red, Pink, White, 1 to 2 ft. 29 ea.											
Red Flowering Quince, 1 to 2 ft. 29 ea.											
White Flowering Quince, 1 to 2 ft. 29 ea.											
Persian Lilac—Lilac, 1 to 2 ft. 39 ea.											
Old Fashioned Lilac, 1 to 2 ft. 39 ea.											
Bridal Wreath Spirea, 1 to 2 ft. 49 ea.											
Hydrangea P. G., 1 to 2 ft. 49 ea.											
Oak Leaf Hydrangea, 1 to 2 ft. 49 ea.											
Deutzia—White, 1 to 2 ft. 29 ea.											
Deutzia—Pink, 1 to 2 ft. 29 ea.											
Mockorange—White, 1 to 2 ft. 29 ea.											
Sweet Shrub, 1 to 2 ft. 29 ea.											
Rose of Sharon, 1 to 2 ft. 29 ea.											
Red Oizer Dogwood, 1 to 2 ft. 29 ea.											
Deutzia—White, 1 to 2 ft. 29 ea.											
Lombardy Poplar, 1 to 2 ft. 06 ea.											
Pin Oak or Red Oak, 2 ft. 06 ea.											
Willow Oak or Scarlet Oak, 2 ft. 06 ea.											
Early Richmond Cherry, 2 to 3 ft. 1.49 ea.											
Early Richmond Cherry, 4 to 5 ft. 2.98 ea.											
Lodi Apple, 2 to 3 ft. 0.89 ea.											
Grimes Golden Apple, 2 to 3 ft. 0.89 ea.											
Grimes Golden Apple, 4 to 6 ft. 1.49 ea.											
Yellow Transparent Apple, 2-3 ft. 0.89 ea.											
Yellow Transparent Apple, 4-6 ft. 1.49 ea.											
Yellow Delicious Apple, 2 to 3 ft. 0.89 ea.											
Early McIntosh Apple, 2 to 3 ft. 0.89 ea.											
Early McIntosh Apple, 3 to 5 ft. 1.49 ea.											
Early McIntosh Apple, 5-N-1 Apple—Varieties on each tree, 3 ft. 3.98 ea.											
Montgomery Cherry, 2 to 3 ft. 1.49 ea.											
Montgomery Cherry, 4 to 5 ft. 2.98 ea.											
Black Tartarian Cherry, 2 to 3 ft. 1.49 ea.											
Black Tartarian Cherry, 4 to 5 ft. 2.98 ea.											
Early Richmond Cherry, 2 to 3 ft. 1.49 ea.											
Early Richmond Cherry, 4 to 5 ft. 2.98 ea.											
Kieffer Pear, 2 to 3 ft. 1.49 ea.											
Kieffer Pear, 3 to 5 ft. 1.98 ea.											
Orient Pear, 2 to 3 ft. 1.49 ea.											
Orient Pear, 3½ to 5 ft. 1.98 ea.											
Bartlett Pear, 2 to 3 ft. 1.49 ea.											
Bartlett Pear, 3½ to 5 ft. 1.98 ea.											
Burbank Plum, 2 to 3 ft. 1.49 ea.											
Burbank Plum, 2½ to 4 ft. 1.98 ea.											
Bruce Plum, 1 to 2 ft. 1.49 ea.											
Methley Plum, 2½ to 4 ft. 1.98 ea.											
Burbank Plum, 1 to 2 ft. 1.49 ea.											
Dwarf Burford Holly, ½ to 1 ft. 1.49 ea.											
Wax Leaf Ligustrum, ½ to 1 ft. 1.49 ea.											
Colorado Blue Spruce, ½ to 1 ft. 1.49 ea.											
Mountain Laurel, ½ to 1 ft. 1.49 ea.											
Canadian Hemlock, ½ to 1 ft. 1.49 ea.											
Short Leaf Pine, 1 ft. 1.49 ea.											
Red Cedar, ½ to 1 ft. 1.49 ea.											
Nandina, ½ to 1 ft. 1.49 ea.											
Boxwood, ½ ft. 1.49 ea.											
Irish Juniper, ½ to 1 ft. 1.49 ea.											
Savin Juniper, ½ to 1 ft. 1.49 ea.											
Red Berry Pyracantha, ½ to 1 ft. 1.49 ea.											
Yellow Berry Pyracantha, ½ to 1 ft. 1.49 ea.											
Burford Holly, ½ to 1 ft. 1.49 ea.											
Wax Leaf Ligustrum, ½ to 1 ft. 1.49 ea.											
Dwarf Early McIntosh Apple, 3½ to 5 ft. 2.98 ea.											
Dwarf Jonathan Apple, 3½ to 5 ft. 2.98 ea.											
Dwarf North Star Cherry, 2-3 ft. 2.49 ea.											
Dwarf Bartlett Pear, 2 to 3 ft. 2.49 ea.											
Dwarf Kieffer Pear, 2 to 3 ft. 2.49 ea.											
Dwarf Burbank Plum, 2 to 3 ft. 2.49 ea.											
Dwarf Northern Spy Apple, 2-3 ft. 1.98 ea.											
Dwarf Northern Spy Apple, 3½ to 5 ft. 2.98 ea.											
Dwarf Yellow Transparent Apple, 2 to 3 ft. 1.98 ea.											
Dwarf Yellow Transparent Apple, 3½ to 5 ft. 2.98 ea.											
Dwarf Montmorency Cherry, 2-3 ft. 1.98 ea.											
Dwarf Champion Pear, 2 to 3 ft. 1.98 ea.											
Dwarf Kentucky Pear, 2 to 3 ft. 1.98 ea.											
Dwarf Cortkree, 2 to 3 ft. 1.98 ea.											
Black Locust, 2 to 3 ft. 1.98 ea.											

Westinghouse

HEAVY DUTY LAUNDROMAT® LAUNDRY TWINS—
WITH CONVENIENT "NO-VENT" CONDENSER DRYERS

Built for Heavy Duty Service—Keep On Working Harder—Years Longer

ON SALE NOW
AT YOUR LOCAL
WESTINGHOUSE STORE



WESTINGHOUSE NATIONWIDE SURE SERVICE

Backed by over 18,000 Westinghouse-trained Service Technicians.
That means you are assured of prompt, complete, professional service anywhere you live or move in the U.S.A.

Westinghouse Washer and Dryer Guarantees

Westinghouse Washers and Dryers are guaranteed to be free from defects in workmanship and materials for 1 year from date of installation. There is also a five year guarantee on the parts of the tumble-action washer tub drive mechanism parts.

Westinghouse

HEAVY DUTY



Permanent Press
Laundromat® Twins

Stack in only 27"
for a complete laundry
in a minimum of space!

Model LT110L Laundromat® Washer

- Exclusive Weigh-To-Save™ Door • Famous Tumble-Action multi-speed washing • 5-position water saver control
- Stop 'N Soak™ Timer • 3 rinses — a Westinghouse exclusive • Heavy duty suspension system • 5 water temperature selections including Permanent Press • Tub interior light • Safety door switch
- Self-cleaning lint ejector and porcelain wash basket

Model DE110L Electric Dryer

- 5 temperature selection: Regular, Low, Air Fluff, Auto Dry/Permanent Press, Damp Dry • Auto Call reminder signal • Basket interior light
- Time Dry and Auto Dry/Permanent Press cycles • Easy-to-reach lint collector • Heavy duty construction • Balanced air flow drying system • Multiple exhausting • Safety door switch • Porcelain enamel basket

Model DE11UL Electric Dryer
same features as DE110L,
but for installation under-
counter in 54" of floor space.

STACK THEM IN ONLY 27
INCHES OF FLOOR SPACE—



AUTO CALL

A buzzer sounds to let you know when clothes are dry. Ideal for Permanent Press to prevent wrinkles. Has a volume control adjustable from "Off" to "Loud."

J. L. Perry Co., Inc

815 9th Ave North, Distributor
Nashville, Tennessee

With continuous product improvement a Westinghouse policy, specifications and models are subject to change without notice.

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

Volunteer Views	4
Industries for Tennessee	6
We Give Thanks	8
Puzzle Corner	10
Uncle Johns	11
Co-op	12
Timely Topics	14
NRECA Regional Meeting	16
Nondiscrimination	19
Race Against Pollution	20
The Jokes On Us	21
Market Place	22

STAFF

John E. Stanford Editor
Don Murray Adv. Mgr.

SOUTHWEST DAILIES

PUBLISHERS' REPRESENTATIVES

New York • Chicago • Memphis • Dallas • Detroit
Oklahoma City • Kansas City • St. Louis
New Orleans • Los Angeles • San Francisco

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 Atlanta, Georgia. Published monthly at 2290 Marietta Blvd., N.W., Atlanta, Georgia 30318. Subscription price: \$74 per year for members and \$1.00 per year for non-members.

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



ON THE COVER

Our cover this month is a beautiful picture of TVA's newest lake, Nickajack, adorned in her prettiest fall attire. Full color photo is courtesy of Perspective, a fine new quarterly publication for TVA's employees and retirees.



Volunteer Views

by J. C. Hundley

Executive Manager, TECA

pay for any substantial amount of electric service—has been debunked long ago and to the extent that there's hardly a rural electric co-op in the United States that one or more private power companies wouldn't like to buy out lock, stock and barrel.

Official figures for the past fiscal year show that a record-breaking 68.7 billion kilowatt hours of electric energy were required by REA borrowers to meet rural power needs. This was an increase of more than 11%.

Somewhat ironically, about one-third of this power was purchased by electric co-ops from private power companies, the same organizations whose spokesmen originated the "couldn't use and couldn't pay" talk but who now would very much like to serve these same people, on whom a vast profit could be realized by power distributors other than electric cooperatives.

Increases to Continue

Progress, as noted in increased memberships and power use above, is far from a leveling-off point. More and more people will continue to leave the overcrowded cities to live in areas served by electric cooperatives. With opportunities to make a decent living near the places of their birth, more and more of our young people are going to "stay put" in our rural and small town areas.

Rural electrification is far from completed, thanks to real progress.

In some ways, it has really just begun.

Industries For West Tennessee

By Floyd Roberts, Electrification Advisor
Gibson County Electric Membership Corp.



Employees of Duo-Therm plant in Alamo assemble air conditioning units which will be used in mobile homes. Power to plant is provided by Gibson County Electric Membership Corporation, one of five electric co-ops providing service for the industrial growth of the West State grand division of Tennessee.

West Tennessee is anything but a mountain, but quite a number of "industrial Mohammeds" have been coming to this 20-county Grand Division of the Volunteer State during the past ten years, thanks in no small part to the direct and joint-venture efforts of the West Tennessee Industrial Association.

Although organized in the middle-1950's, WTIA, as the Association is now more popularly called, did not get its best footing until 1964 when it was re-organized with electric power distributors providing its sole financial support. Prior to 1964, some support had come from some area banks, cities and counties, and other interested parties.

Since re-organization in 1964, and with sole financial support being provided by 22 publicly owned electric power distribution systems in West Tennessee, WTIA's budget has grown by more than 50%. Five of the 22 participating electric systems are electric cooperatives, all that serve in

West Tennessee: Chickasaw Electric Co-op, Somerville; Forked Deer Electric Co-op, Halls; Gibson County Electric Membership Corporation, Trenton; Pickwick Electric Co-op, Selmer; and Southwest Tennessee Electric Membership Corporation, Brownsville.

Simply stated, the purpose of WTIA is to attract quality industry for West Tennessee and to develop existing industry in the area. This it has done, and with overwhelming success.

During the past ten years, WTIA's 20-county service area has seen the location of 155 new plants and 287 existing plant expansions at an expenditure of more than \$300-million and the creation of more than 45,000 new jobs. Projected, and using the generally accepted statistic that a new-job dollar "turns over" seven times before it leaves an area, it is assumed that considerably more than \$1-billion per year in new economic

wealth has been created through employment in new and expanding industries in West Tennessee during the past ten years.

Although industrial progress in West Tennessee has been considerable during the past decade, of particular significance has been its growth in the past three years. For example, 15% more new plants were located in WTIA's service area during the last three years of the 1960's than during the first three years of that decade. There were 49% more plant expansions during the last three, as compared with the first three years of the 1960's. An overwhelming 569% more money was spent on plant investments during 1967 through 1969 than was spent during the three years of 1960 through 1962. (Approximately two-thirds of all investment dollars were spent during the last three years of the decade.) And some 45% more new jobs were filled during the last



This is the executive committee of the West Tennessee Industrial Association. Standing left to right, are J. C. Milton, manager of the Gibson County Electric Membership Corporation, Trenton; Alf Barnette, assistant director of WTIA, Jackson; Fran Edmonds, manager of Brownsville Electric Department; Weldon Howell, manager of Trenton Light and Water Department; and Fred Harris, executive director of WTIA. Seated, left to right, are Julias Crawford, manager of Dyersburg Electric System; Beryl Williams, manager of Bolivar Electric Department; and Bruce Bynum, general manager of Jackson Utility Division.

three years of the 1960's than during the first three years of that decade.

How much credit for this remarkable industrial progress can be given entirely to the West Tennessee Industrial Association? No one knows for certain and few, if any, care, for getting the job done for the area is far more important than what individuals or organizations do it. At the same time, no one questions that the WTIA, whether operating singly or in full cooperation with one or more individuals or one or more other organizations, has done a tremendous job in bringing solid economic growth to West Tennessee.

Using just one year, 1969, as an example, here are some of the ways that the WTIA has done and is doing its outstanding job in 20 West Tennessee counties:

BROCHURES — Distributed approximately 1,000 brochures, eight sets of which had been revised and new ones created for five municipal areas. (WTIA has brochures available on 24 cities and towns in the area.)

DIRECT MAIL — In 1969, more than 1,750 direct mail letters were sent to companies over the nation. These firms were selected from Dun and Bradstreet sources for their financial and manufacturing desirability.

NEWSLETTER — The Association's newsletter is mailed to many people interested in the economic development of the West State area. This publication, with a mailing list of approximately 550, contains information about industrial development and WTIA's activities.

PROSPECTS, MEETINGS and INDUSTRIAL TRIPS — Seven major industrial trips were made during 1969 with visits to 61 corporate headquarters. Association staff members spent 48 days hosting or assisting with visits of officials of 42 companies making 102 town visits in the WTIA service area. Association personnel attended 54 meetings and made 14 speeches to local clubs and organizations in industrial development.

TRANSPORTATION INFORMATION — The Association retained a traffic consultant to provide transportation rates, schedules and best routes to service-area towns and to industrial prospects.

WTIA director Fred Harris and assistant director Alf Barnette are



Show is an aerial view of the huge Owens-Corning plant at Jackson, manufacturers of fiberglass.



The E. L. Bruce Company at Covington manufactures paneling and moulding. As are other plants on these pages, it is a relatively new addition to West Tennessee's industrial scene.

the only full-time, salaried executives of the organization, which operates under a board of directors comprised of one representative from each of the 22 electric power distributors which finance WTIA. Headquarters are in Jackson, Tennessee.

But don't take for granted that,

without notice, you'll find Misters Harris or Barnette in Jackson or even Tennessee at a given time. They know that West Tennessee has a wonderful industrial climate and they enjoy passing the word along to numerous prospects.

Happily, a lot of industrial folks are listening!

WE GIVE THANKS

By Mary Ann Pitt,
Home Service Advisor
Meriwether Lewis
Electric Cooperative

THANKSGIVING WISHES

I wish you all that pen and ink
Could write, and then some more!
I hope you cannot even think
Of half you're thankful for.

I hope your table holds a wealth
Of prime Thanksgiving fare,
And Love and Peace and Joy and Health
Will all be seated there.

I trust your guests will all be bright,
But none of them too wise,
And each will bring an appetite
For mince or pumpkin pies.

I hope the fowls will all be fat,
The cider sweet to quaff,
And when you snap a Wishbone, that
You'll win the larger half!

— Arthur Guiterman

Thanksgiving Day will soon be here. We as Americans truly have much to be thankful for. In this space age, everything seems to be changing; however, the meaning of Thanksgiving and the manner of its celebration have changed little since the days of the Pilgrims. Thanksgiving was and still is basically a home festival with religious overtones.

The spirit of Thanksgiving sets the mood for gay celebration centered on the traditional Thanksgiving Dinner.

The term Thanksgiving Dinner suggests a table laden with plenty. It is a meal the family remembers and looks forward to from year to year. Many of the foods we feast on today the Pilgrims also enjoyed at the first Thanksgiving Dinner—turkey, pumpkin, cranberries, and corn.

No longer is it necessary for the homemaker to spend every minute of Thanksgiving morn in the kitchen. With the help of a freezer, some foods can be made ahead of dinnertime rush. Many dishes can be prepared days or weeks in advance, stored in the freezer, needing only to be thawed Thanksgiving Day.

Place some of the following recipes proudly on your table Thanksgiving Day along with some of your old favorites.



While enjoying a delicious meal and your family remember the purpose of this day and give thanks to God for your many blessings.

Oven-fried Turkey

Cut in pieces one 3½ to 6 pound (ready-to-cook weight) fryer-roaster turkey. Sprinkle pieces with salt, pepper. Melt 1¼ cups butter; dip turkey pieces in butter; roll in 2 cups crushed packaged herb-stuffing. Place skin-side up in jelly-roll pan. Drizzle half of remaining butter over turkey; sprinkle with rest of crumbs. Bake at 350° about 1 hour and 40 minutes. After 1 hour of baking, drizzle with remaining butter. Serves 4 to 7.

(*Better Homes & Gardens Holiday Cook Book*)

Herb Stuffing

3 quarts slightly dry bread cubes
1½ teaspoons ground sage
1½ teaspoons thyme
1½ teaspoons rosemary
1½ teaspoons salt
1/3 cup chopped parsley
1/3 cup finely chopped onion
1/3 cup butter or margarine, melted
1 cup canned chicken broth*

Combine bread, seasonings, parsley, onion, and butter. Add broth and toss lightly to mix. Make 8 cups, or enough stuffing for a 10-pound turkey.

*Or, you can use 2 chicken-bouillon cubes dissolve in 1 cup hot water.

(*Better Homes & Gardens Holiday Cook Book*)

Cranberry Ring

1 package strawberry-flavored gelatin
1 cup hot water
1 10½- or 11-ounce can (about 1 cup) frozen cranberry relish
1 13½- or 14-ounce can (1½ cups) crushed pineapple
1 package lemon-flavored gelatin
1½ cups boiling water
2 cups tiny marshmallows
1 3-ounce package cream cheese, softened
1/2 cup mayonnaise or salad dressing
1/2 cup heavy cream, whipped

First layer: Dissolve strawberry-flavored gelatin in hot water. Add cranberry relish, dash salt. Pour into 6½-cup ring mold. Chill till firm. Second layer: Drain pineapple, reserving syrup. Dissolve lemon-flavored gelatin in boiling water; add marshmallows and stir till melted; add reserved syrup. Chill till partially set. Blend cream cheese, mayonnaise, dash salt; add to marshmallow mixture. Stir in pineapple. (If mixture is thin, chill till it mounds slightly when spooned.) Fold in whipped cream. Pour over first layer; chill firm. Unmold. Serves 10 to 12.

(*Better Homes & Gardens Holiday Cook Book*)

Cranberry Nut Loaf

2 cups sifted flour
½ teaspoons baking powder
teaspoon salt
2 teaspoon baking soda
egg
¼ cup soft shortening
¾ cup orange juice
Thin outer rind of 1/2 orange
1 cup sugar
1 cup nuts
1 cup cranberries

Heat oven to 350°. Grease a 9" x 5" x 3" loaf pan. Sift flour, baking powder, salt and baking soda into mixing bowl and set aside. Put egg, shortening, orange juice, rind and sugar into blender container, cover and process at MIX until rind is finely grated. Stop blender, add nuts and cranberries, cover and process 2 cycles at CHOP. Empty into flour mixture and mix by hand only until flour is moistened. Pour into prepared pan and bake 50 to 60 minutes or until cake tester comes out clean. Yield: 1 loaf.

(*Spin Cookery—Osterizer*)

Mexican Cornbread

½ cups self-rising meal
3 eggs, beaten
1 cup cream-style corn
3/4 cup cooking oil
cup buttermilk
hot pepper, large—chopped
2 sweet pepper, large—chopped
1 cup grated sharp cheese

Mix all, except cheese. Pour 1/2 of batter into well greased and floured pan. Sprinkle cheese over top; then add remaining batter. Cook at 375° until golden brown.

Pumpkin Bread

3-1/3 cup flour
3 cups sugar
2 teaspoons soda
1 teaspoon cinnamon
1 teaspoon nutmeg
1 teaspoon salt
2 cups pumpkin
4 eggs
1 cup cooking oil
2/3 cup water
1 cup nuts
1 teaspoon vanilla

Mix together first six ingredients. Make a well in flour and add pumpkin, eggs, oil and water. Mix until smooth, then add nuts and vanilla. Pour into 3 greased loaf pans. Bake one hour at 350°.

Sauerkraut Surprise Cake

2½ cups sifted pastry or cake flour
1 teaspoon baking powder
1 teaspoon baking soda
1/4 teaspoon salt
1/2 cup cocoa (Dutch cocoa preferred)
2/3 cup sauerkraut
2/3 cup butter
1½ cups sugar
3 large eggs
1 teaspoon vanilla extract
1 cup water

Sift flour with baking powder, soda, salt, and cocoa. Set aside. Rinse and drain sauerkraut. Snip into smaller pieces. Cream butter until fluffy. Gradually add sugar and creamed butter until light. Add eggs, one at a time and beat well. Add vanilla and blend. Stir in flour mixture, alternately with water, beginning and ending with dry ingredients. Fold in sauerkraut last.

Turn batter into 2 8-inch round layer pans that have been buttered and floured. Tap pans lightly to release air. Bake in a 350°F. oven for 30-35 minutes or until cake tests done. Let cool 5 minutes before turning out onto racks to cool.

Sour Cream Chocolate Frosting

9-ounces semisweet chocolate chips
1/3 cup butter
3/4 cup commercial sour cream
1 teaspoon vanilla extract
1/4 teaspoon salt
3½ to 4½ cups sifted powdered sugar

Combine chocolate chips and butter in top of a double boiler and melt over hot boiling water. Remove from heat and cool slightly. Blend in sour cream, vanilla and salt.

Gradually beat in enough powdered sugar to make an easy to spread frosting.

(*A World of Baking by Dolores Casella*)

PUZZLE CORNER

A few of the more than 800 readers who participated in Puzzle Corner in October apparently are puzzled by more than the puzzles themselves—to the extent that a brief review of the operation of the contest appears to be in order.

In effect, the first, second and third place winners each month are determined by lot—by drawing from all of the correct answers submitted and until all three Grand Divisions of Tennessee are represented in the final three placements. Since delivery of The Tennessee Magazine is not made to all sections of the state on exactly the same day each month, time of postmark of puzzle returns is not deemed a fair consideration in determining winners.

And now for winners of the October Puzzle Corner, which asked what is the largest sum of money—all in current coins and no silver dollars—that you could have in your pocket without being able to give change for a dollar, half dollar, quarter, dime or nickel?

The answer: \$1.19, composed of one half-dollar, one quarter, four dimes and four pennies.

First place winner of the October contest, and of \$10 from The Tennessee Magazine, is Mrs. James Mills of Route 3, Pikeville, Tennessee, a member of Sequatchie Valley Electric Co-op of South Pittsburg, Tennessee.

Second and third prize winners of \$5 each are Lloyd Henry of Somerville, Tennessee, a member of Chickasaw Electric Co-op, Somerville, and Mrs. Edward D. Garner, Jr. of Decherd, Tennessee, a member of Duck River Electric Membership Corporation, Shelbyville, Tennessee.

Here is the November Puzzle Corner:

Three chickens and one duck sold for as much as two geese; one chicken, two ducks and three geese were sold together for \$25.00. What was the price of each bird in an exact number of dollars?

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

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

clotheslines are
for the birds!...

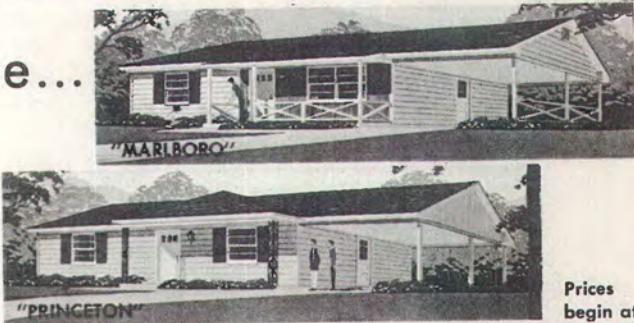
BUY AN...
ELECTRIC
CLOTHES DRYER

A DEED IS ALL YOU NEED

A COMPLETELY FINISHED HOME

For a home...

JUST
ASK
JONES



Prices
begin at

\$6,995.00

Carport Optional

A COMPLETELY
FINISHED HOME

-- Built On Your Lot

Ample funds for permanent
financing--200 plans

featuring
HEIL
Forced-Air Heat
& Air Conditioning

MAIL TODAY! Cut out entire business reply envelope. Fill in coupon-envelope, fold, seal (tape or paste). No postage necessary, or call collect 824-6534.



P.O. BOX #1, Hendersonville,
Tenn. 37075. Please send me
complete information on all
Jones Homes, with no
obligation.

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 11-70

DO NOT CUT HERE... JUST FOLD OVER, SEAL AND MAIL THIS REPLY ENVELOPE... NO STAMP NECESSARY

No postage stamp necessary if mailed in the United States

BUSINESS REPLY MAIL

POSTAGE WILL BE PAID BY

FIRST CLASS
Permit No. 7
Hendersonville,
Tenn.

JONES LUMBER CO. INC.
P. O. Box #1
HENDERSONVILLE, TENN. 37075

Uncle John's Page

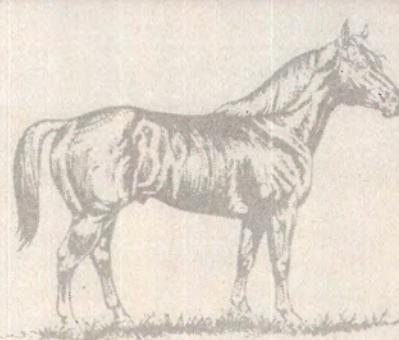
This page is reserved for the young folks. We will pay one dollar for each poem or drawing published. ALL WORK MUST BE ORIGINAL. Drawings should be in black, and drawn on white, unlined paper. Tell us your age, address, and Electric Co-op, and

Send all items to:

UNCLE JOHN, The Tennessee Magazine
710 Spence Lane, Nashville 10, Tenn.



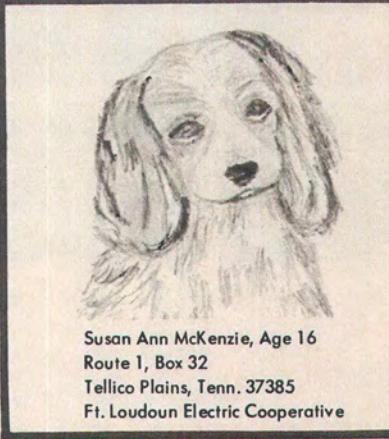
Ronnie Wainwright, Age 17
P.O. Box 27
Mason, Tenn. 38049
Southwest Tenn. Elec. Memb. Corp.



Kay Gibbs
Route 2
Clarksville, Tenn. 37040
Cumberland E.M.C.



Susan Ann McKenzie, Age 16
Route 1, Box 32
Tellico Plains, Tenn. 37385
Ft. Loudoun Electric Cooperative

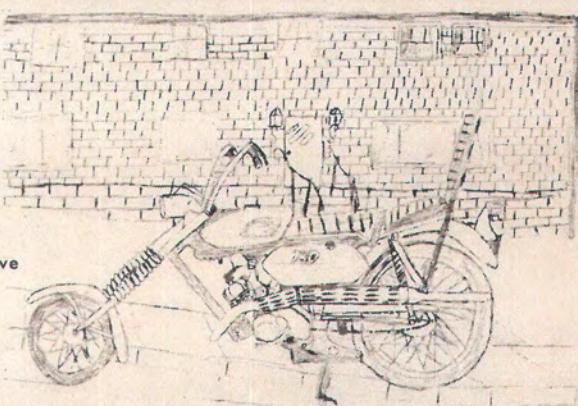


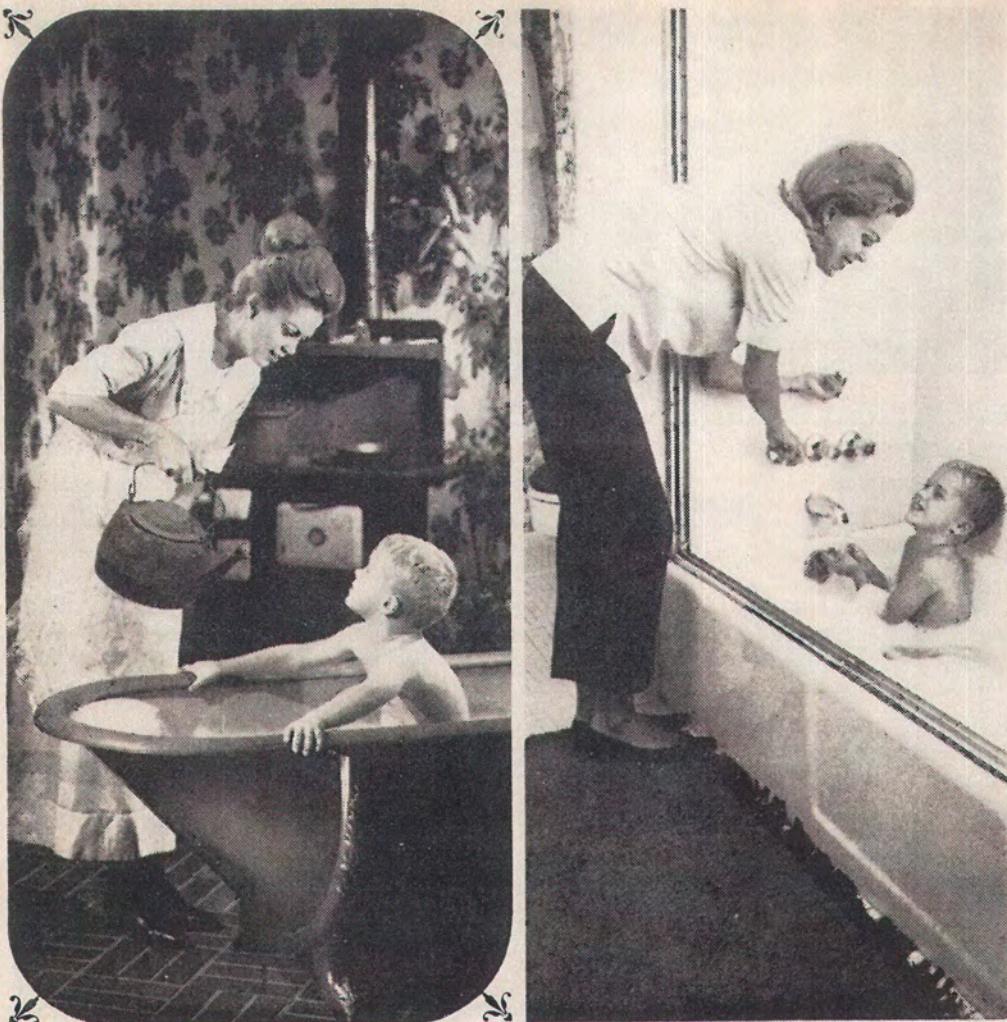
Dana Beachum, Age 10
Route 2
Hickman, Ky.
Obion County, Tenn.
Gibson County E.M.C.



Kathy Hales, Age 11
Estill Springs, Tenn.
Duck River E.M.C.

Freddy Ramsey, Age 15
Route 1
New Tazewell, Tenn. 37825
Powell Valley Electric Cooperative





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.

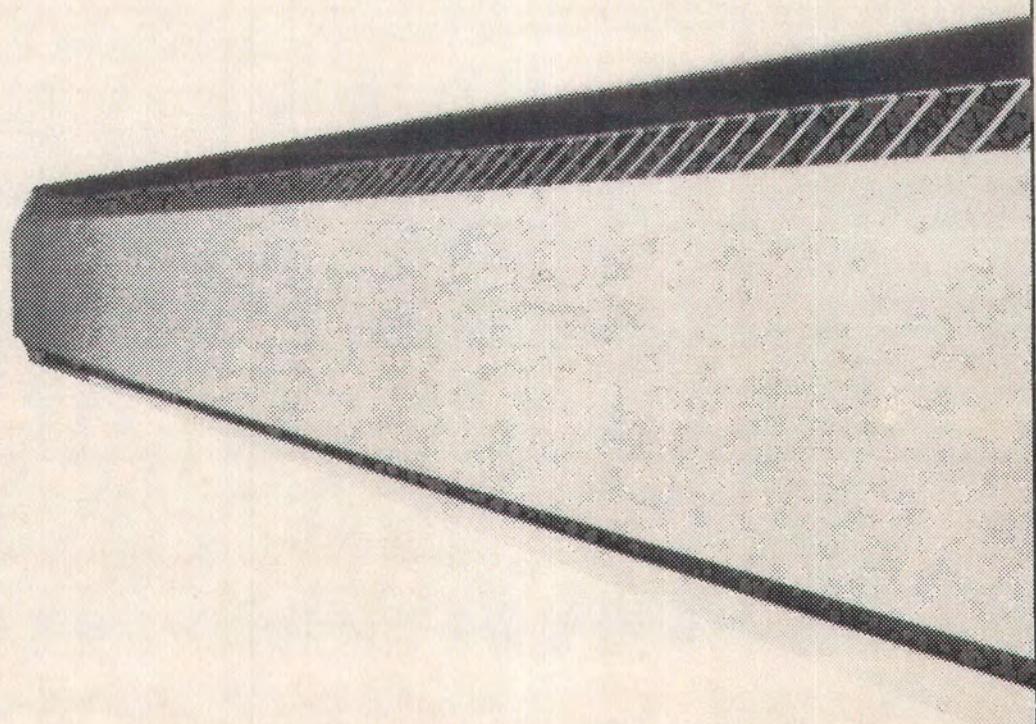
Modern mothers, however, have a secret ally with an electric water heater. A warm bath, with plenty of bubbles, is a real treat that will get a fella' clean — at least temporarily!

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!





CHILLER KILLER

Electric heat is for families who know the best sometimes costs the less!

It's best because electric heat offers a whole new world of comfort and convenience. It lets you select the best temperature for each room and maintains that temperature from ceiling to floor. There are no "cold" or "hot" spots. Electric heat is truly the fuel of tomorrow!

Yet electric heat is so economical. Costs less to install than those old-fashion systems because electric heat

needs no expensive chimneys or duct work. Installation is easier and faster, too!

Electric heat is simple to operate. Just set the thermostat and forget it. There are few moving parts to maintain (or replace.) No fires to build because it's flameless. That makes electric heat extra safe and clean, too.

Ask your rural electric system for full details about low-cost electric heat. We'll be glad to help you select the system that's best for your home. No cost or obligation.



Timely Topics

SOYBEANS ARE LEADING EXPORT

Tennessee producers of soybeans, tobacco, and cotton are looking out with much interest at a recent report of U. S. agricultural exports, observes F. M. DeFriese, University of Tennessee Extension associate agricultural economist.

These exports increased 16 percent to \$6.64 billion for the year ending June 30. This volume of exports is exceeded only by 1966's \$6.67 billion and the \$6.77 billion in 1967.

Soybeans and soybean products were the top ranking exports, DeFriese notes. They increased \$400 million over 1968. This is the largest increase for any of the commodities listed.

Feed grain exports were second in volume at \$941 million; livestock and livestock products, \$773 million; fruits, nuts, and vegetables, \$610 million; tobacco, \$539 million; cotton, \$346 million; rice, \$321 million; and all other agricultural products, \$595 million.

Japan was the top market for U.S. agricultural exports. It set a new record of \$1.1 billion, thus becoming the first market to take more than a billion dollars worth of U.S. farm products in a year, points out the economist.

Another favorable note in last year's agricultural export picture was the 15 percent increase in exports to the European community. This was the first increase since 1966. Import levies on feed grain, wheat, and some other commodities had been imposed to protect high guaranteed prices to its farmers causing a sharp drop in exports of these commodities until last year.

"If exports could be equally as good for this year, it could add to the income of Tennessee producers," concludes DeFriese.

IT'S NOT PRACTICAL TO APPLY NITROGEN IN FALL FOR SPRING PLANTED CROPS

Research results show that applying nitrogen fertilizer in the fall for crops to be planted in the spring is not a good practice for Tennessee farmers, reports Donald D. Howard, University of Tennessee Extension assistant agronomist.

"Fall nitrogen fertilizer applications should be used only under conditions where over-winter losses are small," he says. "Such conditions usually occur in areas where the soils remain frozen throughout the winter months. However, these conditions generally do not exist in Tennessee."

There are periods during the winter in Tennessee when soil temperatures are above freezing. Howard explains that during these periods the applied nitrogen is converted to the nitrate form which is subject to losses either by leaching or as a gas caused by soil microorganism activity.

"Research has shown that fall-applied nitrogen was also found to be 50 percent as effective as spring-applied nitrogen for small grain production in Tennessee."

FERTILIZING DOUBLE CROPS

An Extension agronomist at the University of Tennessee predicts that double cropping—producing two crops on the same field—will likely increase in Tennessee this year.

"The primary reasons for this increase are reduced corn yields due to corn blight and the need for extra grain in feeding programs," notes Donald D. Howard. "The double cropping system consists of producing small grain during the fall and winter months, followed with a summer annual crop in the late spring and summer."

Howard warns that many times only one of the two crops is fertilized, thereby depleting the soil fertility level. Both crops must be fertilized if the soil fertility level is to be maintained or built up.

Complete fertilizer materials can be applied before planting each crop or as a combination treatment, the agronomist points out. This combination treatment consists of applying recommended amounts of phosphate and potash for both crops prior to planting the small grain on most Tennessee soils. Howard advises against using this combination on soils having low phosphate or potash levels and on extremely acid soils.

If you do not apply phosphate and potash to the small grain in the fall, the amount applied to the summer annual should be increased to include recommended amounts for both crops. Nitrogen fertilizers should be applied before seeding each crop or at other recommended times.

"The primary point to remember," says Howard, "is to apply enough fertilizer for both crops and not just one crop."

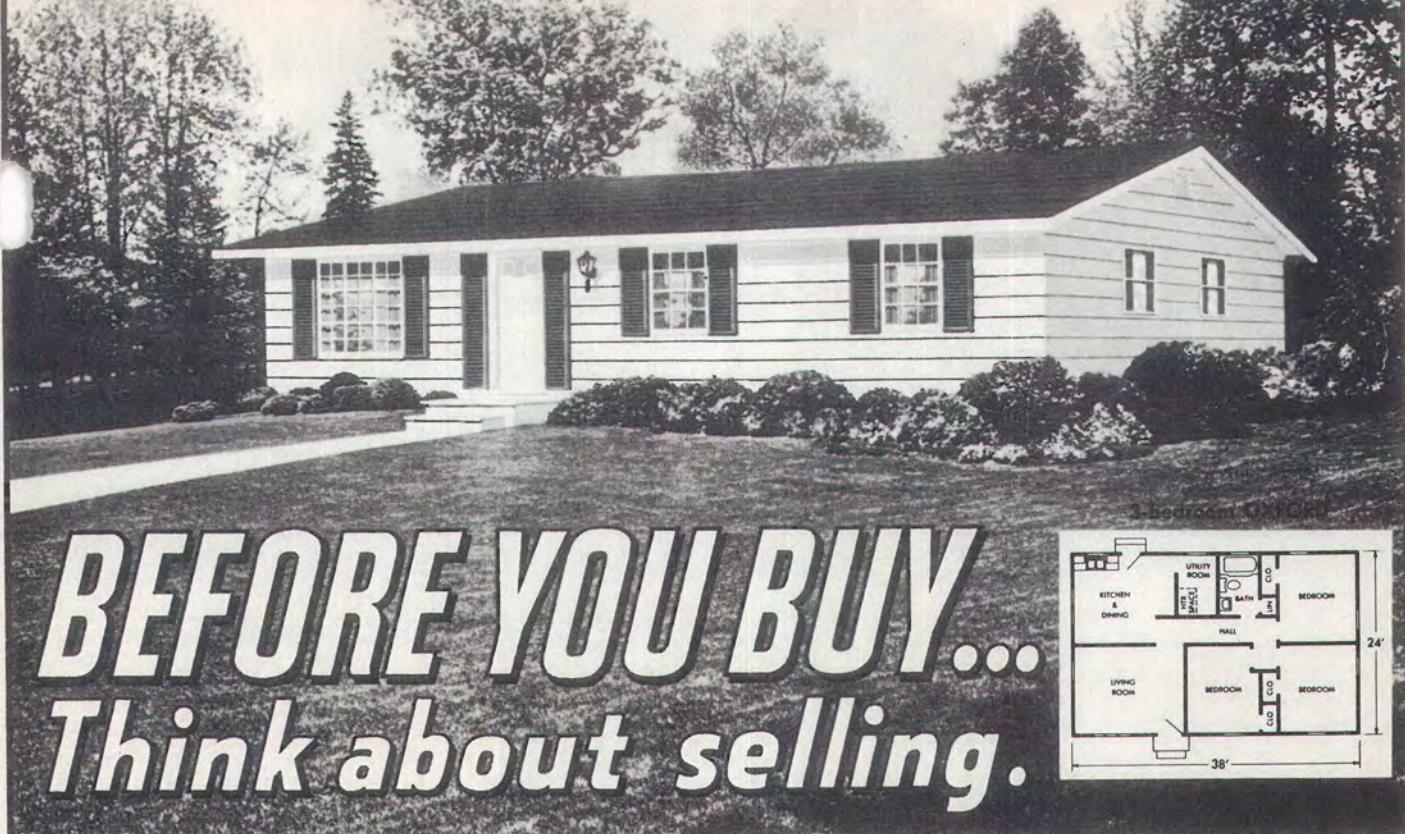
COOL GRAIN GRADUALLY

Hot, dry grain should be cooled gradually to avoid harmful effects, suggests Kenneth E. DeBusk, University of Tennessee Extension assistant agricultural engineer.

High-speed, high-temperature drying of grain crops is used by many farmers to overcome bottlenecks in getting the crop out of the field at the right time. Many experts consider high-speed, high-temperature drying systems those using air temperatures above 160 degrees and air flow rates in excess of 25 cubic feet per minute per bushel, DeBusk explains.

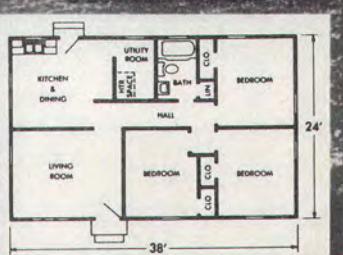
Drying by this method will leave the grain kernel temperature about the same as the drying air when drying is completed. Research has shown that hot grain should be cooled gradually to avoid cracking the inside of the kernel. "The effect of rapid cooling of hot grain could be compared to that of rinsing a hot glass with cold water," the engineer says. "The internal stress cracks caused by rapid cooling result in a considerable reduction in grain quality."

DeBusk advises that hot grain can be allowed to temper with no air flow for 4 to 10 hours, then cooled slowly with natural air. After 4 to 8 hours of slow cooling the grain temperature will be sufficiently low to eliminate the stress crack problem.



BEFORE YOU BUY...

Think about selling.



Perhaps now, before you've even bought a new home, the thought of selling it . . . of how much it will be worth in years to come . . . whether it will lose in value or gain in value, hasn't even entered your mind. But NOW, before you buy, is really the time to consider selling. What you buy today could make a difference of hundreds, even thousands, of dollars to you later on — maybe even more you're ready to sell. How many times do occasions occur when a family needs cash . . . maybe for an emergency or for a business opportunity? So before . . . be as sure as you possibly can, that the home you buy will hold its value.

OVER 20 LOW COST MODELS BUILT WITH EXTRA MONEY-SAVING FEATURES.

*A Complete Line
of Second Home
Cottages!*



When you think of a new home...think of...

Jim Walter Homes

Chattanooga, Tenn. 37415
P. O. Box 4371
5430 Dayton Blvd.
Phone 877-6474

Tullahoma, Tenn. 37388
P. O. Box 478
311 N. Jackson St.
Phone 455-3516

Bristol, Tenn. 37621
P. O. Box 95
Volunteer Parkway
Hwy. 19 S. & 11 E.
Phone 764-7166

Nashville, Tenn. 37207
P. O. Box 8054
Northeast Station
3821 Dickerson
Phone 865-1900

Jackson, Tenn. 38302
P. O. Box 315
Hwy. 45 S. (Bemis)
Phone 422-5461

Knoxville, Tenn. 37901
P. O. Box 1967
Hwy. 11 & 70 East
Phone 524-2776

Memphis, Tenn. 38118
P. O. Box 18217
3763 Lamar Avenue
Phone 363-3410

INSTANT MORTGAGE FINANCING

to qualified property owners

THERE'S NO BETTER SECURITY THAN A PERMANENT HOME QUALITY-BUILT ON LAND THAT YOU OWN.

Maybe you're thinking, "Sure, this is all true, but at today's prices, how can I afford the home I really want?"

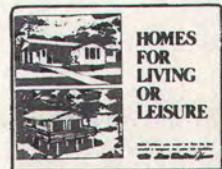
If you know how to drive a nail . . . if you have ever painted a room . . . Jim Walter will show you how you can afford the home you think you can't afford . . . how you can save many, many dollars simply by doing some of the inside finish work yourself. It doesn't matter how much. The more you can do, the more money you can save. Jim Walter-built homes are engineered to make inside finishing easier and what you can't do, we'll do for you. So talk to Jim Walter. Find out what your cost would be to build a permanent home on your property now. **INSTANT MORTGAGE FINANCING** to qualified property owners.

--- BEFORE YOU DECIDE TO BUY OR BUILD ---

Clip and mail this coupon. Without obligation, we want you to have our latest catalog with information and complete costs of building on your property.

JIM WALTER HOMES (Mail to nearest office)

I would like to have more information and the cost of building on my property. I understand there would be no obligation to buy and that you would give me these facts free of charge.



**HOMES
FOR
LIVING
OR
LEISURE**

NAME _____

ADDRESS _____

CITY _____ **STATE** _____

Telephone (or neighbors) _____

If rural route please give directions _____

I own property in _____ **county** _____

State Hosts "Best Ever" NRECA Regional Meeting

By John Stanford



CEMC Manager John Dolinger, Tennessee Director and Region Three Executive Committeeman, gave the Welcome Address, presided over one General Session and served on two panel forums during the course of the meeting.

One of the "best-ever" NRECA Region Three Annual Meetings, hosted by Tennessee's electric co-ops through their Statewide Association (TECA) was held in Memphis in late September. Region Three, comprised of Tennessee, Kentucky, Alabama and Mississippi, is the largest of the National Rural Electric Cooperative Association's ten regions, with 90 local electric co-ops in the four states serving a total of 954,844 member-consumers. Attendance at the Region Three meeting, comprised primarily of Managers, Directors and key employees of local systems, drew a total registration of 546 from the four states, 130 of these from Tennessee.

Volunteer Staters were much in evidence program-wise, too. John Dolinger, Manager of Cumberland Electric Membership Corporation, Clarksville, who serves on the NRECA Board as Tennessee Director and also as Region Three Executive Committeeman, gave the Welcome Address at the First General Session and later served as Keynoter for a forum on "Challenge For The '70's." Dolinger later served as Moderator on another panel which covered "Re-

gional Problems" and also presided over the final business session of the meeting.

H. G. Gangwer, Sr., Manager of Fort Loudoun Electric Co-op, Madisonville, served as Chairman of a forum entitled "Challenge: The

Talent Shortage." Gangwer is Standing Committeeman on NRECA's Management Advisory Committee.

Paul Tidwell, Manager of Meriwether Lewis Electric Co-op, Centerville, and a former two-term President of NRECA, was Chairman of the forum entitled "Challenge: Your Personal Financial Security." Speaking on the same panel was W. W. McMaster, Manager of Middle Tennessee Electric Membership Corporation, Murfreesboro. McMaster is also an NRECA Standing Committeeman, his services being directed to the Insurance and Employee Welfare Committee.

Mrs. John Dolinger, Executive Committeewoman for Region Three, participated as a panelist on one forum, gave her Committeewoman's report for the Region, and presided over the Women's Business Meeting and Brunch.

Awards of Certificates for Completion of Series of Management Institutes were made to J. L. Ridley and J. B. Whitefield, both Trustees of Middle Tennessee Electric Membership Corporation, Murfreesboro, and to Morgan Lorraine, Utilization Supervisor of



Fort Loudoun Electric Manager H. G. Gangwer, Sr., Chairman of one of the several forums held at the meeting, makes introductory statements prior to presentation of other four members of the panel seated at left.



Former NRECA President Paul Tidwell (standing), Manager of Meriwether Lewis Electric Co-op, listens to answer given by fellow panel member, Middle Tennessee Electric Manager W. W. McMaster (second from left) to question from floor. Tidwell was Chairman of this particular forum.

Duck River Electric Membership Corporation, Shelbyville. Middle Tennessee EMC was presented an award of recognition for outstanding services rendered the NRECA-ID program. It was received on behalf of MTEMC by Assistant Manager Fred Key.

Marshall Mulherin, Manager of Southwest Tennessee Electric Membership Corporation, Brownsville, served on the Resolutions Committee and V. W. Watson, Manager of Duck River Electric Membership Corporation, Shelby-

ville, served on the Nominating Committee.

Other NRECA Standing Committee members from Tennessee include John Norris, Attorney for Southwest Tennessee Electric Membership Corporation, Brownsville—Lawyer's Committee; and Mrs. John Dolinger, Cumberland Electric Membership Corporation, Clarksville—Womens' Activities and Urban Consumers Affairs Committee.

Sergeants-at-arms were all Tennesseeans: Morgan Lorance of Duck

River EMC, James Elder of Tri-County EMC, and Hubert Williams of Southwest Tennessee EMC.

Keynote address of the meeting was delivered by Robert Partridge, General Manager of the National Rural Electric Cooperative Association. Excerpts from another principal speech, delivered by REA Administrator David Hamil, appear in a boxed section elsewhere on these pages.



Tennessee's own Janet Porter, "Miss Rural Electrification U.S.A.," spoke briefly after receiving an ovation following her introduction.



"A NEW BALL GAME"—(Excerpts of remarks by Administrator Hamil at 1970 NRECA Regional Meeting)—". . . This past year has seen changes in our program, some as profound as the enactment of the Rural Electrification Act itself in 1936 . . . Today's rural electrification program is a whole new ball game . . . Many of the problems of the future are the same as those we faced 35 years ago. Progress is still contingent on the supply and adequacy of money, good management, and cooperation among ourselves and the industry . . . We must insure, in every way possible, that the worst aspects of urban growth are not allowed to sprawl and be duplicated in the rural areas that still represent the part of America that is still beautiful. These things will cost money. They will also require a high degree of management skill and cooperation among all elements of the power industry to get the most from the funds available to us . . ."

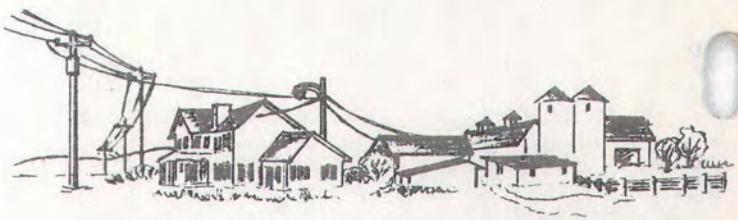
Let YOUR
Cooperative
work
for
YOU



RELIGION



HOME



FARMING

use
Electricity
your
Space Age
Servant



INDUSTRY

Tennessee
Cooperatives
Serve
300,000 Farms & Homes
32,000 Security Lights
2,000 Churches
30,000 Businesses
17,000 Industries

for more information - Visit



Your Electric Cooperative



STATEMENT OF NONDISCRIMINATION

Each Rural Electric Cooperative listed below has filed with the Federal Government a Compliance Assurance in which it will comply fully with all requirements of Title VI of the Civil Rights Act of 1964 and the Rules and Regulations of the Department of Agriculture issued thereunder, to the end that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the conduct of its program and the operation of its facilities. Under this Assurance, this organization is committed not to discriminate against any person on the ground of race, color or national origin in its policies and practices relating to applications for service or any other policies and practices relating to treatment of beneficiaries and participants including rates, conditions and extension of service, use of any of its facilities,

attendance at and participation in any meetings of beneficiaries and participants or the exercise of any rights of such beneficiaries and participants in the conduct of the operations of this organization.

"Any person who believes himself, or any specific class of individuals, to be subjected by this organization to discrimination prohibited by Title VI of the Act and the Rules and Regulations issued thereunder may, by himself or a representative, file with the Secretary of Agriculture, Washington, D.C. 20250, or the Rural Electrification Administration, Washington, D.C. 20250, or this organization, or all, a written complaint. Such complaint must be filed not later than 90 days after the alleged discrimination, or by such later date to which the Secretary of Agriculture or the Rural Electrification Administration extends the time for filing. Identity of complaints will be kept confidential except to the extent necessary to

carry out the purposes of the Rules and Regulations."

Cumberland Electric Membership Corporation
Caney Fork Electric Co-op
Chickasaw Electric Co-op
Duck River Electric Membership Corporation
Fort Loudoun Electric Co-op
Gibson County Electric Membership Corporation
Holston Electric Co-op
Meriwether Lewis Electric Co-op
Middle Tennessee Electric Membership Corporation
Pickwick Electric Co-op
Powell Valley Electric Co-op
Sequatchie Valley Electric Co-op
Tri State Electric Co-op
Upper Cumberland Electric Membership Corporation
Volunteer Electric Co-op

EARN
UP TO
7 3/4%

on Religious Institutional Bonds

* 7 3/4% yield annually on an investment of \$10,000 or more.

* 7 1/2% yield annually on \$5,000 to \$10,000 investment.

* 7% yield annually on amounts less than \$5,000.

This announcement is neither an offer to sell nor the solicitation of an offer to buy any of these securities. The offering is made only by the Prospectus. For copy of a prospectus offering securities clip and mail coupon below or call 615—327-1671.

Guaranty BOND AND SECURITIES CORPORATION

2312 West End Avenue — Nashville, Tenn. 37203

Exclusive Underwriters of Religious Institutional Finance

Guaranty Bond and Securities Corporation
P. O. Box 603, Nashville, Tenn. 37202

TM-11

Please send information (without obligation) about bonds that pay up to 7 3/4%. I am interested in investing \$ _____ for _____ years.

Name _____

Address _____

City _____ State _____

Zip _____ Phone _____

The Race Against Pollution

By: Ted Shepherd
Rural Electric News Service

During the days from Aug. 24 to Sept. 2, 1970, as the great world went on with its businesses of war and peace, 43 competing motor vehicles zigzagged across this continent in the name of clean air.

The Clean Air Car Race—really a rally, with seven legs whose total distance measured 3,600 miles—was no small project. It was nearly a year in the building and involved all manner of fueled entries (gasoline, propane, alcohol, turbine, electric, steam) from more than two dozen United States and Canadian universities, colleges, and high schools. Sponsors ran the gamut from General Motors to the Department of Health, Education, and Welfare.

What was it? Why?

It was a scientific competition in the name of humanity (and this definition does not exclude the fact that some used the event as a means for public relations). All vehicles had to meet 1975 federal anti-pollution standards, current federal safety standards, and local and state safety, insurance and licensing standards.

There was a grand winner, picked by subjective judges trying to be objective. There were class winners (steam competed against steam, etc.), which were selected

on the basis of exhaust emissions, general efficiencies, in addition to elapsed times.

But the real winner may be the public, for the race and everyone in it had a common opponent: air pollution. Every entry and every observer vehicle carried the same eschutcheon—a door poster with a bisected circle enclosing a puff of smoke, a sign immediately discernable the world over, the circle being an international traffic symbol meaning NO or DON'T.

DON'T POLLUTE.

NO POLLUTION

The message wound from coast to coast, beginning on Massachusetts Avenue in front of the main Massachusetts Institute of Technology building in Cambridge, rolling through dozens of towns and cities and 20-odd co-op territories, and ending on the campus of the California Institute of Technology in Pasadena.

The race was the offspring of a 1968 competition between Caltech and MIT, but the overriding reason for this year's contest was evident in a poster on an MIT blackboard that showed a man stumbling along in auto-smog above a caption that read "Caution: Breathing May Be Hazardous to Your Health."

The 1968 race had involved two pure electric cars. At first it seemed that the 1970 race would be restricted to electrics, also. But environment is finally becoming a posh thing to be involved with positively, so the competition opened its doors to any propulsion method that could pass muster.

As a result there were a most interesting and varied list of competing vehicles—and the electrics were perhaps shunted out of the important spot they deserved.

However, though the electrics took longer to complete the course—and they did, for they had to recharge some 70-odd times at special stations set up across the country, spending an average of about an hour for each charge—one thing was immediately apparent to the most innocent observer: in this clean air race no vehicles left the air cleaner than did the electrics.



In Sulphur Springs Valley Electric Co-op in Willcox, Arizona, Cornell team captain Mark Hoffman solders a wire while other members of the Cornell team check out the underbelly of their vehicle on a lift in the co-op garage. A hole in the motor which burned in before they reached Willcox, gradually enlarged and the entry had to be towed for one span in California, but went across the finish line under its own power.



Rolling on from Willcox to Tucson, Arizona, with the Cornell entry on Monday, August 31 in the morning.

Battery technology does not seem yet advanced enough to allow production of electric vehicles designed for cross-country trips. But the majority of the driving done in this country comes in spans of 50 miles or less. And, as battery technology improves and the possibility of driving coast-to-coast becomes therefore more feasible most of the charging stations will still be up, waiting.

That is encouraging. Because at the final banquet, when Mark Hoffman accepted the electric division winner's trophy on behalf of the Cornell team while several hundred people clapped their approval, the smog was sitting out there in the darkness, waiting, too.



August 30 at a charging station on territory served by the Rio Grande REC in Kent, Texas. The Cornell vehicle charged up while Jane Hersey, a home ec major from Rumford Center, Maine, sits, after spying a snake among this barrel sagebrush, on a co-op truck sent 100 miles to make sure that everything was well on this crucial charging station that linked East to West for the electrics.

The Joke's On Us

CLOSE CALL

Hubby went out with the boys one evening, and, before he realized it, the morning of the next day had dawned. He hesitated to call home and talk to his wife. Finally, he hit upon an idea. He telephoned and when his wife answered he shouted, "Don't pay the ransom, honey. I escaped."

* * * * *

ONE AT A TIME

Little Johnny's mother had presented the family with twins, and the household was in a state of excitement. Father beamed with pride as he took Johnny aside. "If you'll tell your teacher about it, maybe she'll give you a day off," he prompted.

That afternoon Johnny came home from school radiant. "I don't have to go to school tomorrow," he announced.

"Did you tell your teacher about the twins?" asked father.

"No," replied Johnny. "I just told her I had a baby sister. I'm saving my baby brother for next week!"

* * * * *

TAX LOSS

Two men were discussing their tax refunds over lunch. The first fellow said, "With what I get back, my wife and I can take a nice vacation. How about you?"

"We'd do the same," sighed his friend, "but my wife isn't speaking to me. She read my income tax forms and discovered I'd charged off her beauty treatments as a loss."

* * * * *

HANDYMAN

When I do-it-myself
There are stark imperfections.
It is then I go back
And read the directions

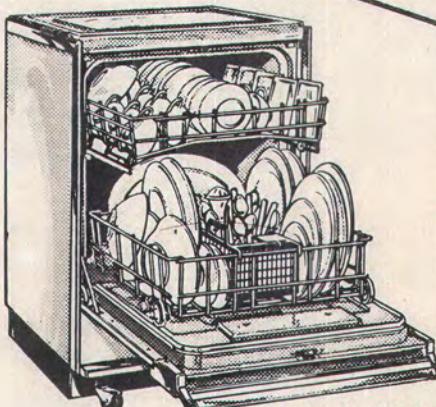
* * * * *

HEADS OR TAILS?

A grade school teacher was instructing her youngsters about the value of coins. She took a half dollar and laid it on the desk. "Can any of you tell me what it is?" she asked.

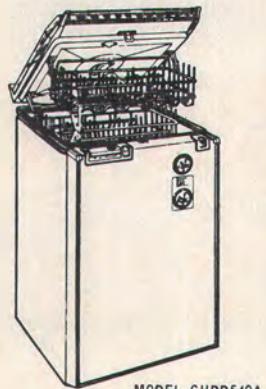
From the rear of the room came the voice of a small boy: "Tails!"

Could
Mom be
dropping
a hint?



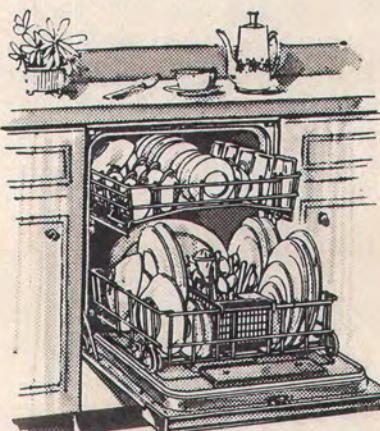
Hotpoint Self-Cleaning Dishwasher

- Three-level washing action with Jet Spray Shower — virtually ends hand rinsing
- Three-pushbutton cycle selection
- 17-table-setting capacity
- Random-loading racks
- Crystal-Clear rinse for spotless drying
- Grooved maple top
- Sound-Shielded for quiet operation.



Hotpoint TOP-OPENING PORTABLE DISHWASHER

- Three-level washing action
- 5 Cycle selections
- Self-cleaning action
- Cushion-coated racks hold 14 full table settings
- Double-Lift upper racks raise and lower automatically with dishwasher lid
- Grooved cherrywood cutting-board top
- Retractable cord lid



BUILT-IN DISHWASHER

- Three-level washing action
- 5 Pushbutton Cycle Selection
- 17 table-setting capacity
- Self-cleaning action
- Random loading racks
- Dual detergent dispenser
- Sound shielded
- Signal light

SEE YOUR HOTPOINT DEALER

MARKETPLACE

AGENTS WANTED: SELL LIFETIME Metal, Social Security Plates. Big Profits! Sample and Sales Kit Free. Russell, Box 286 RECP, Pulaski, Tennessee 38478.

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

FT. SMITH AUCTION SCHOOL, Ft. Smith, Ark. Resident and home study. Veteran approved.

SALESMEN—We are seeking young men who have a farm background, successful at selling, would like opportunity to progress. Operate a territory like your own business. No investment necessary. Work with and help established dealers sell and promote our products. Write: Twentieth Century Mfg. Co., 9231 Penn Avenue S., Minneapolis, Minn. 55431.

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

AGENTS WANTED: Sell lifetime metal social security plates. Good Profits. Free sample. B & L Enterprises, 406 West Main, Waverly, Tennessee 37185.

DOOR-TO-DOOR & FUND-RAISING COSTUME JEWELRY, Perfumes, Records, Zipcode Directories. Fund-raising wholesale catalog: \$1.00. . . . MAILMART, Carrollton 25, Kentucky 41008.

KODACOLOR FILM DEVELOPED with Jumbo Color Prints. 12 exposure only \$1.25—20 exposure only \$2.25 postpaid! Sizes 126 (Instamatic type cameras), 127 and 620 rolls or cartridges. Failures credited. Send this ad with order. Limit one roll per ad. EASTMAN FILM ONLY! Offer good 1 year. SKRUDLAND COLOR PHOTO Dept. TE, Lake Geneva, Wis. 53147.

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

WILD GINSENG WANTED: Star Roots, May Apple, Miscellaneous Roots. Highest Prices Paid. ASA FUR COMPANY, CANALOU, MO. 63828.

SOUTHERN CHANNEL CATFISH. Fastest growing gamefish, gain 4 lbs. yearly. 7"-10", 15¢ each. Larger sizes available. Large orders free delivery. Special prices — 5,000 or more. Live delivery guaranteed. Sulik, Route 3, Shelbyville, Ky. 40065. Phone 502-633-1800.

Stop Rusty Water From Ruining Wash, Staining Fixtures. Proven filter keeps water free from rust, sand, odors, tastes, other impurities. Economical, washable replacements. 30 Day Trial Offer. Write Samcor, 836-RT West 79th, Minneapolis, Minn. 55420.

FRUIT TREES, Nut Trees, Berry Plants, Grape Vines, Landscaping Plant Material — offered by Virginia's largest growers. FREE COPY 48-pg. Planting Guide Catalog in color, on request. Salespeople wanted. WAYNESBORO NURSERIES, Waynesboro, Virginia 22980.

SEPTIC TANK PROBLEM? Don't waste time, money pumping, digging. Use Safe, fast acting organic Enzyme digester QUICK-J. Liquifies all waste. Neutralizes odor. Cleans leach bed. Six flush-down 2 ounce packets, \$2.95 postpaid. Guaranteed. MODWAY, Box 34HP, Brookfield, Ohio 44403.

BOTTLE COLLECTORS: Youn's latest \$3.95 Postpaid "Bottle Collector Guide" lists, identifies and prices over 2500 bottles of every American category. TEXBOOKS, Box 3862-TM, San Angelo, Texas 76901. 758-4741.

TRAPPER SUPPLY CATALOG, SPECIAL DEAL ON TRAPS, SOUTHEASTERN FUR CO., ROUTE 4, SUMNER, ILL.

WILD GINSENG WANTED: Star Roots, May Apple, Miscellaneous Roots. Highest Prices Paid. MAGEE FUR COMPANY, EOLIA, MO. 63344.

GROW YOUR OWN FRUIT. Free Copy 48-pg. Planting Guide Catalog in color—offered by Virginia's largest growers of Fruit Trees, Nut Trees, Berry Plants, Grape Vines. Landscaping Plant Material. WAYNESBORO NURSERIES, Waynesboro, Virginia 22980.

ORIGINAL SPIRO AGNEW WATCHES. Copyrighted, Swiss made, collector's item. \$19.95. WATCHBAND CALENDARS. 12 month sets, starting current month. \$1.50 Valmar Sales, Box 705-T, Glen Alpine, North Carolina 28628.

BOTTLE COLLECTOR'S HANDBOOK/PRICING GUIDE. Easy identification over 2,500 new, old bottles. 18 categories including Avon and Jim Beam. Tells where to buy, sell for best bargains, greatest profits. Illustrated. Only \$3.95 postpaid. Guaranteed. CLEVELAND BOOK SUPPLY, 320 MG Main, San Angelo, Texas 76901.

PEACH TREES, Low as 30¢. Cherries, pears, apples, plum, nut trees, strawberries, blueberries, dwarf fruit trees, perennials. Grapevines 20¢. Shrubs, evergreens, shade trees, roses 25¢ up. Quality stock can't be sold lower. Write for FREE color catalog and \$2.00 FREE bonus information. TENNESSEE NURSERY COMPANY, INC. Box 80, Cleveland, Tennessee 37311.

HOW MUCH are your bottles worth? "Bottle Collector's Handbook—Pricing Guide" identifies, prices over 2,500 collectible bottles. \$3.95 postpaid. (Guaranteed!) Info-books, Box 5001-TM, San Angelo, Texas 76901.

CASH for partial sets of old dishes. Obsolete patterns of Haviland, Doulton, Spode, Wedgwood, Rosenthal, Bavarian, Noritake, Lenox, etc. Write CHINA, 1466 Harbert, Memphis, Tenn. 38104.

CHAIN SAW CHAIN — Get factory prices on Brand New, First Quality, Fully Guaranteed chain, bars, parts, accessories for all makes saws. Free catalog. Big Savings. Write today — Zip-Penn, Box 43073-Z, Middletown, Ky. 40243.

FREE QUILT PATTERNS in Quilter's Newsletter Magazine. Magazine plus catalog illustrating over 110 patchwork and applique patterns, plastic quilting stencils — 35¢. Heirloom Plastics, Box 501-TE, Wheatridge, Colorado 80033.

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

AUTHORS WANTED BY NEW YORK PUBLISHER

Leading book publisher seeks manuscripts of all types: fiction, non-fiction, poetry, scholarly and juvenile works, etc. New authors welcomed. For complete information, send for booklet SD-2. It's free. Vantage Press, 120 W. 31 St., New York 10001.

FOR SALE—Registered Angus—36 years selective breeding. Champion bloodlines. 1½ Miles South, off I-44. CARMAN MAYNARD, Baxter, Tennessee 38544.

BOTTLE COLLECTORS: Youn's latest \$3.95 "Bottle Collector Guide" lists, identifies and prices over 2,500 bottles of every American category. TEXBOOKS, Box 3862-TM, San Angelo, Texas 76901.

DAIRY AND BEEF CALVES—2 to 10 weeks old. All calves ages checked by veterinarian. Delivered directly to your farm, must meet your approval on arrival only. You must take 25 head or more. Finest quality, best selection. Prices include free delivery. 1 to 2 weeks old each—Holstein heifers \$65.00, Holstein bulls \$65.00, Gurnsey heifers \$65.00, Angus Hol. Cross \$65.00; 3 to 4 weeks old—Holstein heifers \$75.00, Holstein bulls \$75.00, Gurnsey heifers \$75.00, Angus Hol. Cross \$75.00; 5 to 6 weeks—Holstein heifers \$85.00, Holstein bulls \$85.00, Gurnsey heifers \$85.00, Angus Hol. Cross \$85.00; 7 to 8 weeks—Holstein heifers \$90.00, Holstein bulls \$90.00, Gurnsey heifers \$90.00, Angus Hol. Cross \$90.00. Phone for prices on calves 10 weeks old. BILL NOLAN LIVESTOCK, INC. BONDUEL, WIS. 54107 Phone Area Code 715-758-4741

If Ruptured TRY THIS OUT

Modern Protection Provides Great Comfort and Holding Security

An "eye-opening" revelation in sensible and comfortable reducible rupture protection may be yours for the asking, without cost or obligation. Full details of the new and different Rice Support will be sent you free. Here's a Support that has brought joy and comfort to thousands—by releasing them from Trusses that bind and cut. Designed securely hold a rupture up and in where it belongs and yet give freedom of body and genuine comfort. For full information—write today! WILLIAM S. RICE Inc., ADAMS, N. Y., 13605 DEPT. 9T.

**U.S. Hearing Aids ★
★ SAVE up to 67%**

BUY NEW AMERICAN-MADE AIDS

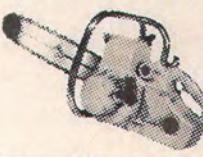
direct from factory. Behind-the-Ear, All-in-the-Ear, Eye Glass Aids. One of America's largest selections of top quality aids. 20 days FREE HOME TRIAL. No deposit—No money down. Easy payments. No interest. FREE Ear Molds. New fitting plan. POWERFUL BODY AIDS \$29 95 up. No salesman will call. Write: LLOYD CORP Dept. TE, 905 9th St., Rockford, Ill. 61108



IT PAYS TO
mechanize YOUR FARMSTEAD



GOT WOOD TO CUT?



Ask an expert

A Poulan Chain Saw is the best way to cut wood — even better than a beaver. A beaver cuts only when and where he

wants to. The Poulan Chain Saw will cut when and where you want to.

Poulan Saws were originally made for the professional lumber jack, men who spent all day, every day in the timber. The same engineering knowledge and quality of workmanship is used to make the Poulan Chain Saws designed for farmers, ranchers, construction workers, sportsmen, or anyone who has wood to cut.

The engine is designed and built by Beaird-Poulan to be used on the Poulan Saws exclusively. Other added features include carburetors that won't over-rev the engine, heavy duty roller and needle bearings throughout, the engine compression by-pass starting, automatic chain oiling and automatic push button chain sharpening that works when and where you do.

When you look for a chain saw, ask an expert — a Poulan distributor or dealer. You'll find them listed in the Yellow Pages. If not, write a letter to Beaird-Poulan Inc. We've been in business for a quarter of a century and Chain Saws are our only business. If we're not experts, nobody is.

POULAN 
Beaird-Poulan
Shreveport, Louisiana

ATTENTION TENNESSEE MAGAZINE READERS!

There may be a few other disability income policies that can pay you up to

\$1,000.00 a Month when you're sick or hurt and can't work...

But, feature for feature, there isn't any other individual health insurance policy that gives you more for your money than Mutual of Omaha's "Paycheck Protection"!

This is the kind of policy you should have! As the family bread-winner, you select the amount you qualify for (from \$100.00 to \$1,000.00 a month) to help take care of your regular living expenses when you are unable to work because of sickness or accident. These Mutual of Omaha "paychecks" are *tax-free* to spend as you wish—to buy groceries, to pay rent, the utilities, and other living expenses. Monthly "paycheck" benefits are payable for disabilities that start before retirement—monthly in-hospital benefits are payable for disabilities that start after retirement.

Does not cover: losses caused by war or military service, childbirth, pregnancy or complications resulting from pregnancy.

SAVE UP TO 54%

If your family is protected by short term "sick leave" or group insurance where you work, you can have your Mutual of Omaha "paychecks" start after those benefits have been used up. By doing this, you save up to 54%, depending on your age, occupation and the plan you qualify for. Just fill in and mail the coupon below for full information—yours without obligation.

Free facts about how you can get more for your money

Mutual of Omaha Insurance Company will send you, without obligation, money-saving facts about its low-cost health insurance plans for young and old and the full range of fine family plans to meet your life

insurance needs now available from its affiliated company, United of Omaha. You'll find a low-cost packaged program of health and life insurance in the great Omaha Companies tradition. Mail coupon today.

SEVEN REASONS WHY THIS MUTUAL OF OMAHA POLICY PROTECTS YOU BETTER.

1. Pays you up to \$1,000.00 a month—*tax-free to spend as you please*—when you are sick or hurt and can't work!
2. Covers you both *in and out* of the hospital!
3. Covers accidents occurring and sickness contracted after the policy date. There are no waiting periods!
4. Covers mental disorders the same as any other sickness!
5. Covers you as a passenger on any kind of aircraft—even a private plane!
6. Covers you *on or off* the job. Pays in addition to workmen's compensation or employer's liability!
7. Guaranteed renewable for life! Only you can cancel this policy. Even your premium can't be changed unless changed for all policies of this form issued to persons of the same classification in your state.

MAIL THIS COUPON TODAY!

Mutual of Omaha
Omaha, Nebraska 68131

Dept. 9011

Please send facts about unique "Paycheck Protection" plans available in my state that offer me more for my money.

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 available in my state.

Name _____

STREET AND NO. OR R.F.D.

Address _____

City _____

State _____

ZIP Code _____

IF UNDER 18, HAVE PARENT SIGN HERE

65 OR OVER?

Get extra cash to supplement Medicare

New "Extra Security" plan pays \$150.00 a week *tax-free* cash *direct to you* when you are hospitalized . . . provides vitally needed *extra cash* payments that DOUBLE and TRIPLE—up to \$450.00 a week—as your needs grow and your Medicare payments decrease. No physical exam.



Life Insurance Affiliate: United of Omaha