

May, 1972

Tennessee

M A G A Z I N E

Dedicated to Better Living



R. L. McDonald

READ MUSIC IN ONE EVENING!

AMAZING SCIENTIFIC BREAK-THROUGH! Does away with vague theories; presents down-to-earth, quickly-grasped fundamentals. No practice! No finger charts! No scales! No technical terms! Thousands have become proficient sight-readers overnight by using this guaranteed, low-cost method. You can too! Write for Free Brochure. **ARTHUR L. CHAMBERS**
6544 S. Paulina St. Chicago, Illinois 60636

NERVOUS

I described my distress to a noted consulting Doctor in New York. He explained that "taut nerves or anxiety, a jittery feeling or shaky stomach are symptoms of simple nervous distress. Others are sleeplessness, headache, digestive upset, loss of appetite, cold perspiring, nervous irritability." Then the Doctor told me about a tranquilizing medicine with a remarkable Safety Factor against side effects—for calming without drowsiness on the job, for refreshing sleep, for comfortable days and nights. I am so grateful, I will send full information to anyone who writes. Free. No obligation. John Winters, Apt E-805 313 E. 53rd St., N.Y. 10022

PUZZLE CORNER

The April puzzle didn't bring quite a much response as our March puzzle did . . . however, the majority of replies were correct.

April puzzle concerned a "bus ride" taken by Thomas and his best girl. The ride was one-way however, because Thomas was short on funds! The bus went at the rate of nine miles an hour and they walked at the rate of three miles an hour. Our question was, "how far can they ride so that they may be back in eight hours?"

ANSWER: 18 Miles

Glyntha Arnold of Route 3, Trenton, Tennessee 38382, won our first prize of \$10. Glyntha is a member of Gibson County Electric Memb. Corp.

Perline McBee, Route 1, Sewanee, Tenn. 37375, a member of Duck River Elec. Memb. Corp., is second place winner and will receive a check for \$5 from THE TENNESSEE MAGAZINE and Mrs. Jimmy C. Allison of South Pittsburg, Tennessee, a member of Sequachee Valley Electric Cooperative is our third place winner and will also receive a check for \$5.

Now, let's see if I can read "PUZZLE" you with our May entry!

If you multiply the number of Jacob's sons by the number of times which the Israelites compassed Jericho on the seventh day and add to the product the number of measures of barley which Boaz gave Ruth, divide this by the number of Haman's sons, subtract the number of each kind of clean beasts that went into the Ark, multiply by the number of men that went to seek Elijah after he was taken to Heaven, subtract from this Joseph's age at the time he stood before Pharaoh, add the number of stones in David's bag when he killed Goliath, subtract the number of furlongs that Bethany was distant from Jerusalem, divide by the number of anchors cast out when Paul was shipwrecked, subtract the number of persons saved in the Ark, and the answer will be the number of pupils in a certain Sunday school class. How many pupils are in the class?

Send your name and address, along with the name of your electric cooperative to:

PUZZLE CORNER
The Tennessee Magazine
P.O. Box 7232
Nashville, Tennessee 37210

A House Is Not A Home Without People — That's Where You Come In!



We Have the HOUSES —
All Sizes, Shapes, Costs

As low as
\$6,995 00
built on your lot

featuring
HEIL
Forced Air Heat & Air Conditioning

Top Notch Construction — Easy Financing — Carport Optional

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



NAME _____
Rural route or street address _____
POST OFFICE _____ STATE _____
YOUR COMMUNITY _____ PHONE _____

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

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 5-72

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

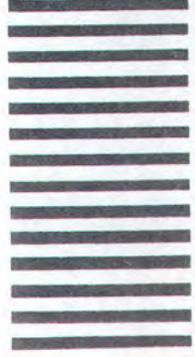
No postage stamp necessary if mailed in the United States

BUSINESS REPLY MAIL

POSTAGE WILL BE PAID BY

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

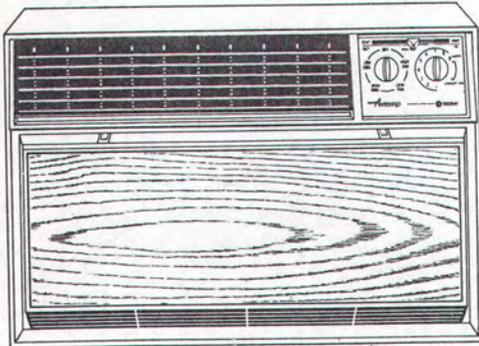
FIRST CLASS
Permit No. 7
Hendersonville,
Tenn.





Dial A Season

SPECIAL OFFER DURING MAY ONLY!



See page 5A for details on our full 5 year guarantee on all Chrysler Airtemp Air Conditioners.

Buy more than just an air conditioner. The Model S18-40G offers you the advantages of whisper quiet performance for cool quiet summer sleeping. The 18,000 BTU unit will give you cool relief after a hard day's work, and give you spring-cool air all summer. Make your own weather by dialing a season. This model now available for this low cost plus installation and sales tax at your S & T Store.

\$289.00



Airtemp

AUTHORIZED AIRTEMP DISTRIBUTOR



CHRYSLER CORPORATION

Airtemp—just one of the thousands of quality brands offered at your S & T Store.

ATHENS
Hammer Johnson Sup. Co. S&T

ATHENS
McMinn Sup. Co. S&T

BLUFF CITY
Baker's Lbr. Co. S&T

BRISTOL
Gentry Lumber Co. S&T

CHATTANOOGA
Chickamauga Sport Shop S&T

CHATTANOOGA
Stone Bros., Inc. S&T

CLEVELAND
Robinson Supply & Furn. S&T

COLUMBIA
Sou. Sash of Columbia S&T

COLUMBIA
Central Lime and Cement Co. S&T

CROSSVILLE
Home Supply Co. S&T

DAISY
Floyd Hdwe. Co. S&T

DECATUR
Rockholt's, Inc. S&T

DICKSON
Nicks Hdwe. Co. S&T

DOVER
Fox Bros. Bldg. & Sup. Co. S&T

DYER
Western Auto Store S&T

ERWIN
Liberty Lbr. S&T

ETOWAH
Etowah Bldg. Ctr. S&T

GALLATIN
Durham Mfg. Co. S&T

GREENVILLE
Mercer Bldg. Supply S&T

GREENEVILLE
Collins Furn. & Hdwe. S&T

HARRIMAN
Christmas Lbr. S&T

HARRIMAN
Gooch Hdwe. S&T

HARRIMAN
Scandlyn Lbr. Co. S&T

JAMESTOWN
Potter Shopping Ctr. S&T

JOHNSON CITY
McClure Hdwe. S&T

KINGSTON
Geo. W. Browder & Son S&T

KINGSTON
Scandlyn Lbr. Co. S&T

KNOXVILLE
Sevier Hdwe. & Variety S&T

LAFAYETTE
Macon Hdwe. & Sup. S&T

LAFOLLETTE
Smith Hdwe. S&T

LEWISBURG
Lambert Lbr. Co. S&T

LIMESTONE
Limestone Hdwe. S&T

LIVINGSTON
Simcox & Copeland, Lbr. S&T

MANCHESTER
Powers Farm Store S&T

MORRIS TOWN
Morris Town Supply Co., Inc., S&T

NASHVILLE
Hart Hdwe. S&T

NASHVILLE
Inglewood Hdwe. S&T

NEWPORT
Helm Lbr. Co. S&T

OLIVER SPRINGS
Scandlyn Lbr. Co. S&T

ONEIDA
Scott Food Inc., Hdwe. Div. S&T

PIGEON FORGE
Pigeon Forge Hardware S&T

PIKEVILLE
Sells Bldg. Supply Inc., S&T

PORTLAND
J. E. Kerley & Son S&T

RED BOILING SPRINGS
Witcher Hdwe. S&T

ROCKWOOD
Bowman Evans Hdwe. S&T

ROCKWOOD
Scandlyn Lbr. Co. S&T

SMITHVILLE
Pack Plumbing & Electric Co. S&T

SNEEDVILLE
Sneedville Elec. S&T

SOUTH PITTSBURG
Howard Horn S&T

SPARTA
Sorrell Bros. Bldg. Sup. S&T

SPRING CITY
Rhea Scandlyn Lbr. S&T

SPRINGFIELD
Woodard Hdwe. Co. Inc., S&T

SWEETWATER
Western Auto Assoc. Store S&T

TAZEWELL
Ball Hdwe. S&T

WARTBURG
Kennedy Bldg. & Supply S&T

WESTMORELAND
Geo. Carter Hdwe. S&T

Reorganization Is Threat to REA

By Bill Murray

NRECA Legislative Representative for Rural Development

► The transfer of the Rural Electrification Administration to the Department of Community Development represents one of the most serious threats to the future of the rural electrification program ever to be proposed in legislation.

The bill, H.R. 6962, is one of four organization plans submitted to Congress by the Administration. In a special message to Congress last week, President Nixon again strongly urged passage of this bill indicating he would settle for creation of the new Department of Community Development at this session.

Hearings before Rep. Chet Holifield's (D-Calif.) subcommittee of the House Government Operations Committee conclude next week. All Administration witnesses, including Secretary of Agriculture Butz, strongly supported the plan as did a large number of outside witnesses.

NRECA joined eight other farm and rural organizations in a statement opposing the transfer of REA and the rural housing and community facilities programs of Farmers Home Administration and other segments of the Department of Agriculture to DCD. The American Farm Bureau Federation also supported this position in a letter to Representative Holifield.

Despite verbal assurances of Administration officials as well as high-ranking Subcommittee members that the transfer would not affect these programs so important to rural areas, there is nothing in the bill which spells out how the REA or FmHA programs would be administered. In fact, the bill as presently written would give the Secretary of DCD the power to abolish REA. Subcommittee Chairman Holifield, however, has stated that this provision will be eliminated from the measure.

While Secretary of HUD Romney has described in some detail how he would structure and administer the new department, there is no guarantee that his successor would not change this game plan. REA would be folded into a new Urban and Rural Development Administration along with community development programs of HUD and FmHA with the decision-making authority vested in 10 Regional and an undetermined number of sub-regional directors.

In its testimony on H.R. 6962, NRECA expressed grave concern that such an administrative arrangement would complicate and slow down the REA

loan processing procedure, as well as cause serious problems for the rural electric supplemental financing institution, the National Rural Utilities Cooperative Finance Corporation. CFC must of necessity coordinate its work very closely with REA requiring constant contact with REA officials. The legislation does not make any reference to this matter, nor does the testimony of reorganizational proposals of Secretary Romney or other Administration officials.

Since the success of CFC in supplying supplemental capital to rural electric is so closely tied to the continued success of the rural electrification program, one can hardly fault rural electric leaders for emphasizing this glaring weakness of the bill.

As a concept, reorganization has wide appeal. The inference is that things will be better than they are now. But analysis of this bill and its possible effect on REA and other USDA programs, make it appear illogical and impractical. Why take programs such as REA and FmHA, which are working well as presently administered, and lump them with a large number of urban programs, which by comparison, have not achieved anywhere near as good a track record?

Moreover, H.R. 6962 is the first step in the dismemberment of the entire Department of Agriculture. The other three reorganization bills, which presumably would have to come later as part of the overall reorganization of the Federal government, would leave only the shell of a Department. The prospects of USDA retaining its cabinet-level status for long would be dim.

Lastly, House-passed rural development legislation, and similar legislation soon to be considered by the Senate, depend upon maintaining the USDA intact. These bills, which would create for the first time within one Federal department (USDA) the basic rural development authorities for implementing a comprehensive, nationwide rural development program, would be rendered practically unworkable if H.R. 6962 and the other reorganization bills are not amended so as to keep REA, FmHA and other USDA programs where they are.

Hopefully, the members of the House Subcommittee will support this position in marking up the legislation.

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

Puzzle Corner	2
Threat to REA	4
Blacksmith Is A Grandmother	6
Weather May Be "Frightful" But Air Conditioning Is Delightful	8
Uncle John's	10
History of Air Conditioning	11
Co-op	12
Timely Topics	14
Agricultural Census	16
Smyrna Mayor was "Patton" Tank Commander	18
Wildlife Picture Offer	20
Electricity, Pollution, People	21
Market Place	23

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 at 710 Spence Lane, Nashville, Tenn., 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 Nashville, Tenn. and at additional mailing offices. Subscription price: 87¢ 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 third wildlife illustration by Artist Ralph McDonald is featured on this month's cover. Information on how to order this and prints of two previous covers may be found on Page 20.

Tennessee Readers Remarkable, New HOSPITAL-SURGICAL Plan

Guaranteed 8% CASH AWARD

for each year you do not use your policy benefits.

1. A New Hospital and Surgical Plan that Pays You to Stay Well

Policy Form HS-500 guarantees you an 8% cash award for each year you do not use your policy benefits. But if you are sick or injured, you may receive benefits up to \$40 a day for each day in the hospital, surgical fees up to \$600, plus benefits for drugs, operating room, anesthesia, X-Ray, ambulance and many other miscellaneous hospital charges.

Special Consideration

will be given if you have an existing health condition, with benefits payable after six months.



ENROLLMENT PERIOD OPEN ... ACT NOW!

CUT OUT ALONG DOTTED LINE AND MAIL

MAIL THIS POSTAGE-FREE CARD!



FREE SAMPLE POLICY CERTIFICATE

I'm interested in receiving FREE INFORMATION about:

- () Hospital-Surgical Plan with 8% cash award for good health.
- () Medicare Supplement Plans up to \$25,000.
- () Hospital Protection To Cover Cancer • Heart Trouble • Diabetes • Ulcers • Other Serious Ailments •



Name _____ MY DATE OF BIRTH IS: _____
 Address _____ DAY MONTH YEAR
 City _____ State _____ Zip _____

Do Not Cut Here ... Just Fold Over, Seal and Mail This Reply Envelope . . .

No Postage Stamp Necessary If Mailed in the United States

BUSINESS REPLY MAIL.

FIRST CLASS PERMIT NO. 3294, NASHVILLE, TENNESSEE

POSTAGE WILL BE PAID BY —

Union Bankers Insurance Company
2720 Nolensville Road, P. O. Box 8685
Nashville, Tennessee 37211



CUT OUT ALONG DOTTED LINE AND MAIL

This Blacksmith Is a Grandmother

By John Stanford

If Mrs. Chester Bates had participated on the "What's My Line" television show of some years back, chances are that she would have returned to her Friendship, Tennessee home with a pocket full of money, for not only are women performing her skills as scarce as hens' teeth but the physical appearance of the lady herself would give few, if any, clues as to the trade which she performs most efficiently: blacksmithing.

To best know attractive, 40-year-old Maggie Bates, you must understand that blacksmithing is not necessarily her "chosen" profession or first love. Her favorite roles are those of wife, mother, grandmother and Christian. And although she enjoys her shop work, she is quick to tell you that the primary reason that she blacksmiths is to help provide her family a living.

And how did this mother of two girls and one boy become a blacksmith in the first place?

"My husband bought out a blacksmith shop about nine years ago, at which time I was working at the Kellwood Alamo plant as a machine and utility operator. I would help him in the evenings during the busy seasons after I came in from work. About four years ago Chester, my husband, was sick for a good period of time so I gave up my job in Alamo to blacksmith in our shop full time. It was about the only way that we could keep the shop going full time and I've never regretted giving up

the Alamo job, which I had held for nine years, to become a full-time blacksmith in our own business. And 'full time' in our shop during the busy season means from about five o'clock in the morning until as late as midnight."

In the Bates Blacksmith Shop, which is located just outside Friendship on Route 2, Maggie Bates does everything from sharpening mower and combine blades to grinding plow points. Her specialty is building truck side boards. She loves to weld. Her favorite jobs concern grinding and for this she gets the most calls. Her pet dislike is beating plow points which she turns over to husband Chester who, she says, "taught me all I know about blacksmithing."

Does Mrs. Bates find that being a woman hinders her in what is traditionally thought of as being a strong-armed job?

"My main disadvantages in doing this work are my height and shorter arms than most men," says Mrs. Bates, who stands just over five feet-five inches tall. "Almost every day I get burned, cut or bruised, but this is all a part of doing a day's work in this type of job."

One of her jobs relating to the blacksmith shop is not quite so hazardous. She also keeps all the books for the business.

One doesn't talk long with Mrs. Bates before getting the feeling that hard work and an interest in things



Mrs. Chester (Maggie) Bates well plays many roles, including that of hostess to visitors in her lovely home. Her family is her joy; blacksmithing helps provide for that family.

mechanical have been life-long friends of this cordial lady, who also participated in beauty pageants during her teen years.

"When I married in 1952, I was determined to be a good wife, mother and Christian," says blue-eyed, dark-haired Mrs. Bates. "My family is still my joy and the Lord is still my strength."

The Bates' family consists of one married daughter who has made grand-parents of Chester and Maggie Bates, one son who graduates from high school this spring and a second daughter who will graduate from high school one year from now.

Unlike Whittier's poem about the blacksmith under the spreading chestnut tree, the Bates' shop is a nearly all-electric operation located in a structure built for its purpose a not-too-far distance behind the Bates' home. Among the electrical equipment used in the shop are the fan to the coal-fired forge, a planer, table saw, drill press, welder, hammer machine, three sizes of drills, impact tools, paint sprayer, rasps and a hack saw. The Bates are members of and are supplied power by the Gibson County Electric Membership Corporation whose Member Service Department worked with the Bates in planning the new blacksmith shop before it was built a year ago.

Before concluding our delightful visit, we asked Mrs. Bates if working as a blacksmith has had any effect on her personally other than in knowing that



It didn't take much urging to get Mrs. Bates to show Floyd Roberts, Electrification Advisor of Gibson County Electric, a picture of her grandchild. Gibson County Electric worked with the Bates in planning new blacksmith shop before it was built a year ago.



Shaping heated metals on anvil now comes as second nature to Mrs. Bates. Forge at right has electric blower (fan) attachment.



Many trucks in the Friendship area carry side boards made by Mrs. Bates. They are one of her specialties.



Mrs. Bates uses as much determination as weight and strength as she operates leverage-type metal cutter.

she is helping her family to a better standard of life through providing needed services to others.

"Yes," replied our friendly hostess. "Before I started working as a blacksmith, I weighed 145 pounds. I now weigh 123 pounds and haven't gained back an ounce of the 22 pounds that I have lost. Blacksmithing controls your weight and waistline without dieting or resorting to any of the other weight losing programs that we hear and read so much about."

If that testimony doesn't make for a female rush on the blacksmithing market, then nothing will!



Welding is one of Mrs. Bates' favorite operations. A long metal gate is being constructed here by the versatile lady.



Few are the times that Mrs. Bates must ask for help around the shop. Transporting a large tank used in one type of welding is a case in point.

Weather May Be 'Frightful' But Air Conditioning Is Always Delightful



New charcoal odor filter in some air conditioners provides air that is filtered, deodorized, then filtered again. Available in several capacities, the unit is easy to install and features a rosewood, wood-grain finish with six front vertical panels.

By Marcia Powell, Home Editor ELECTRICITY ON THE FARM

When the lyricist wrote "The weather outside is frightful, but in here it's so delightful," he was talking about blustery winter; however, his words are equally apt during sweltering, humid summer days — if you have home air conditioning.

A summer air conditioner performs four basic functions. It cools, dehumidifies, cleans and circulates conditioned air in an enclosed space, room or zone.

Some features of room air conditioning in the home include:

1. Controlled, comfortable temperature and humidity conditions which contribute greatly to sound, restful sleep.

2. Humidity controls can eliminate moisture problems such as mildew, damp closets and musty summer odors.

3. Air filtering is an integral part of air conditioning equipment

and helps reduce airborne dust, dirt and pollens.

4. Outside noises are reduced because windows and doors are closed.

Room air conditioners offer many other advantages:

1. Quick results. Smaller units can go home in the car trunk, install in the window with a quick mounting kit, plug into an existing adequate outlet and start cooling.

2. Condition large or small areas. Units are available as small as 4,000 B.t.u. to as large as about 33,300 B.t.u.

3. Air condition part of your house at a time. Additional units can be added as desired. You can switch units around if you wish.

4. Room air conditioners with decorative fronts (and hidden controls) are an asset to any room.

5. You can get units for your present 115-volt household wiring.

6. Room air conditioners can be used where unusual conditions

make the installation of central air conditioning impractical.

7. Installation of room air conditioners can be made through the wall if windows are not in ideal locations for the units.

8. Models for double-hung, casement and awning type windows are available.

9. You do not have to worry about ducting since window room air conditioners do not require ducts.

To get top performance from your air conditioning equipment, the Air Conditioning and Refrigeration Institute offers some common sense ground rules:

A. The domestic scene involves numerous moisture-producing activities — mopping floors, laundering, automatic dishwashing, bathing. It's easier on the air conditioning equipment if they don't all happen at midday when the cooling unit has enough to do. When possible, these activities should be scheduled for the cooler parts of the summer day, either early morning or during the evening.

B. When a large party is scheduled, lower the setting several hours before guests arrive. The walls will be cool enough to keep people comfortable through the evening.



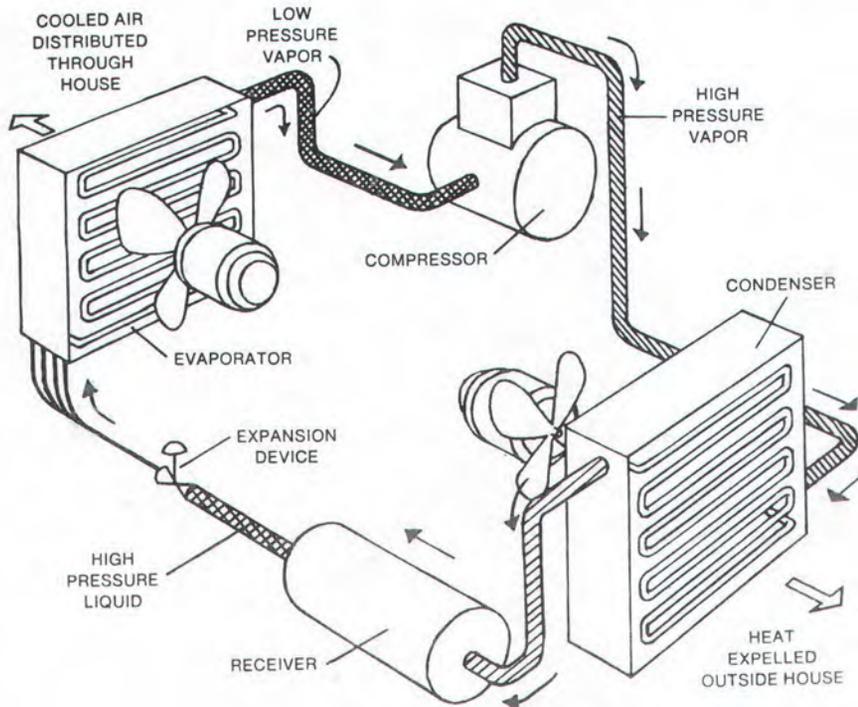
Sliding sound-baffle front panel conceals controls on compact room air conditioner rated at 10,000 B.t.u. cooling capacity for 115-volt current. Expandable side panels on unit help make installation in window easy. This unit has two fan speeds and compact overall dimensions (14 7/16 x 24 1/4 x 25 1/2 inches).

ROOM AIR CONDITIONER SELECTION GUIDE

B. t. u. s	WEST		SOUTH		EAST		NORTH	
	Ceiling under occupied room or insulated ceiling under attic	Un-insulated ceiling under attic	Ceiling under occupied room or insulated ceiling under attic	Un-insulated ceiling under attic	Ceiling under occupied room or insulated ceiling under attic	Un-insulated ceiling under attic	Ceiling under occupied room or insulated ceiling under attic	Un-insulated ceiling under attic
33,000	1740	1000	1820	1050	1920	1090	2150	1230
27,000	1440	830	1510	870	1590	900	1785	1010
23,000	1140	670	1300	710	1270	730	1420	830
18,000	860	510	920	540	970	560	1060	620
17,000	800	475	870	505	915	525	1005	585
16,000	750	440	820	470	860	490	950	545
15,000	685	405	750	430	790	450	870	500
14,000	620	370	680	390	720	410	790	450
13,000	595	330	605	350	645	365	680	405
12,000	470	285	530	305	570	325	625	355
11,000	442	268	445	265	535	305	555	320
10,000	365	205	360	225	390	235	425	260
8,500	290	180	310	200	355	215	380	235
8,000	230	140	250	160	290	185	330	210
7,500	170	125	220	140	240	160	280	180
6,000	150	100	170	110	190	120	205	130
5,000	130	90	145	100	170	110	180	110

Courtesy: Airtemp Div., Chrysler Corp.

- Determine the wall with maximum outdoor exposure (West Maximum and North Minimum).
- Watch factor exists:
 - Ceiling under occupied room or insulated ceiling under attic.
 - Uninsulated ceiling under attic.
- Size of room—Length x Width: (Sq. Feet) This is your Key Number.
- Take your Key Number and find the closest figure to this in the appropriate column. The B.t.u. column, above, will indicate the estimated B.t.u.'s cooling capacity required to cool your particular room.



C. A home begins to absorb heat when the sun rises and continues absorbing heat all day. To avoid excessive heat buildup that will overtax any equipment, leave the air conditioner turned on all night.

With proper use, a good air conditioner will give many years of efficient and effective service . . . and make any home atmosphere "delightful" no matter what the outside temperature.



A simple twist of a knob assures automatic comfort control in this unit. Automatic shift feature provides a comfort control that adjusts fan speed to maintain the selected comfort level and vertical louvers that move back and forth to distribute air more uniformly in a room. This model has Early American maple front.



COOL IT

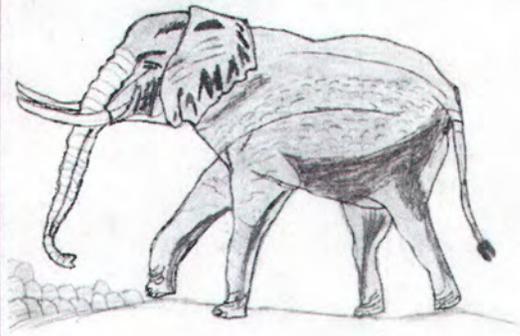
In cooling cycle of air conditioner, liquid refrigerant passes through evaporator coils where, as it expands into a vapor, it absorbs heat from the air. Cooled air is then pushed into the home. The heat-bearing, vaporized refrigerant then passes to a condenser where, in the process of being condensed back into a liquid, heat is released and expelled by a fan.

Uncle John's Page

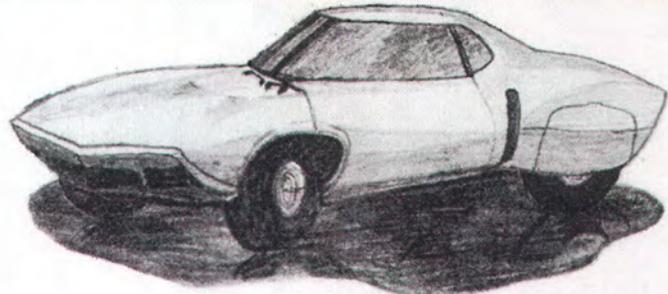
This page is reserved for the young folks. We will pay one dollar for each poem or drawing published. ALL WORK MUST BE ORIGINAL. Drawings should be in black, and drawn on white, unlined paper. Tell us your age, address, and Electric Co-op, and

Send all items to:

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



Rachel Plunk, Age 13
Route 1
Trenton, Tennessee
Gibson County Electric Memb. Corp.



Larry Carmack, Age 14
R. R. — Gainesboro, Tenn.
UPPER CUMBERLAND E. M. C.



Brenda Reynolds, Age 11
Box 352, Route 3
Erin, Tenn. 37061
MERIWETHER LEWIS E. C.



Shirl Yount, Age 19
Route 1
Treadway, Tenn. 37883
POWELL VALLEY ELECTRIC
COOPERATIVE



Mary Jane Sherman, Age 16
Laurel Bloomery, Tenn. 37680
MOUNTAIN ELECTRIC COOPERATIVE



Benny Pickett
Route 1
Finger, Tenn. 38334
PICKWICK ELECTRIC COOPERATIVE

History of Air Conditioning

Few people know that some of scientific geniuses of the 18th century could be found sprawled on a drawing board during the summer dog days—their lace collars wilted and askew—trying to design an air conditioner.

The Marquis of Chabannes had an idea that hot pipes run through his fireplace could be used for cooling. Weird as it sounds—"at B air influx enters from A, goes through pipes, B, and emerges to C," etc., etc.—the Rube Goldberg device actually worked!

The Marquis, a kind of James Bond type who performed several missions for his government abroad, never blew his cool—and between assignments stumbled onto the scientific principle of rarefaction, whereby heated pipes can generate a draft of cold air.

Noble as he was, the Marquis' ideas never quite matched the grandeur of those of the Chinese ruler Huang, of the Ming dynasty, whose motto must have been "never think small." This ruler had a rain-making device on the roof of his "cool room" and underneath, inside its vast reaches, an artificial lake big enough for islands and cruising pleasure boats.

Another Asian ruler, a rival in gracious living, had slaves running from a snow covered mountain to fill not his drink but the double walls of his palace. His double wall is used today in an all-climate insulating glass now on the market.

Called "Solarban Twindow," it's made of two panels of glass tinted to cut glare and separated by a quarter inch of dry air space.

Now being manufactured by a leading glass company, the "Twindow" is designed to cut air conditioning costs in the summer and heating costs in the winter.

Also on history's drawing boards was a theater air conditioner made from a chandelier. Made for the Covent Garden Opera House during the 19th Century, it used the gas flames on the chandelier to provide a draft—via rarefaction—so that stale air would be wafted upwards to a hole in the ceiling.

An yet another invention for a public hall during the same century made each person entering a building provide a draft for cooling. He had to push through a heavy revolving shaft which sent a blast of air upwards and into another complicated contraption to

pipes, a wooden box, a vent, etc.—which was supposed to keep him cool during the performance.

But America's 19th Century pioneer crusader for air conditioned comfort was Henry A. Gouge who wrote a book huckstering his own gadget—a kerosene jet attached to a pipe vent which also worked by rarefaction. He was not above knocking down the devices of his competitors.

"Mr. Steinway, of Steinway Hall," he wrote, "was a liberal man, but nevertheless his 'ventilating prisms' attached to the ceiling did little to keep the ladies

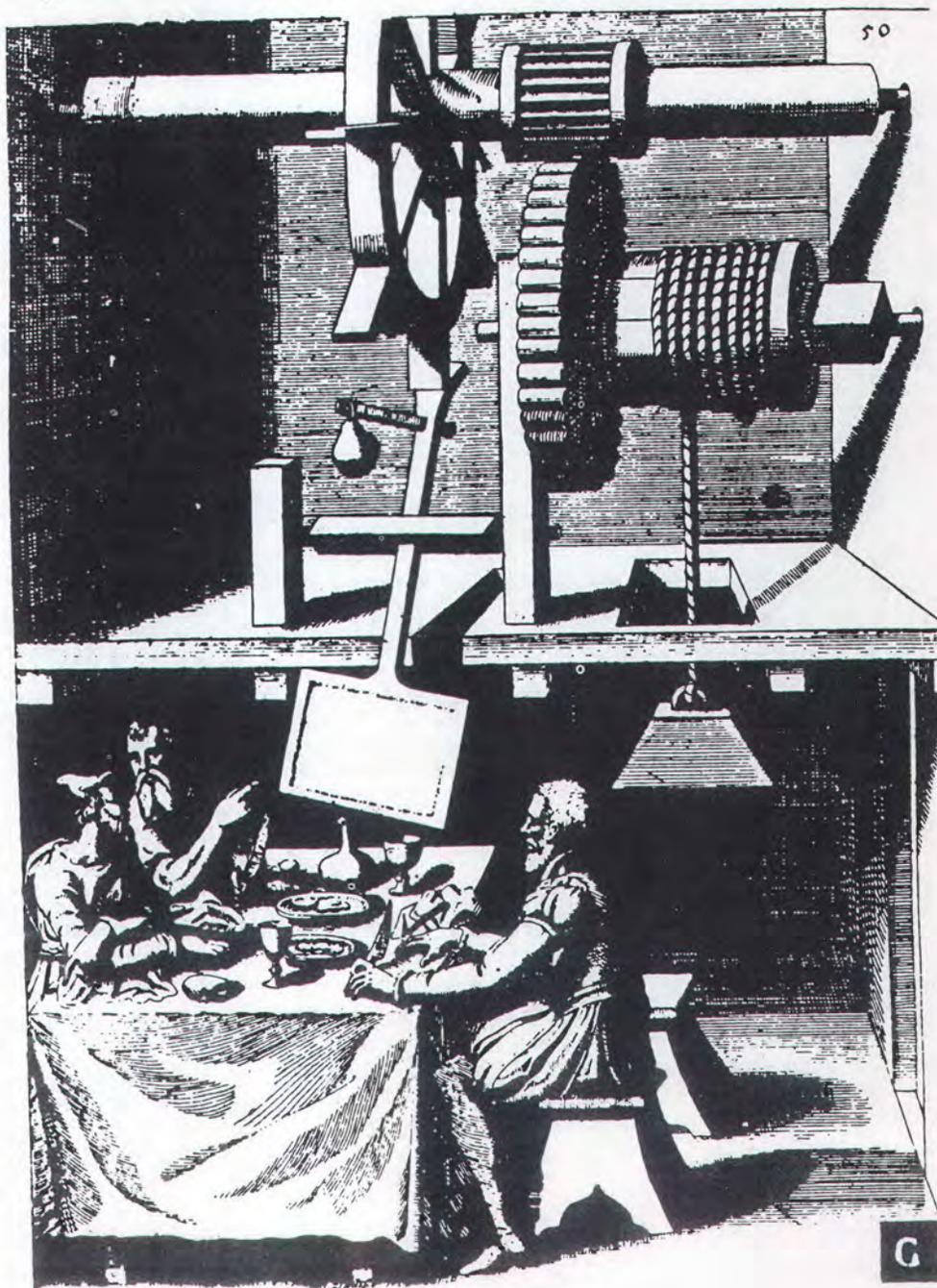
from fainting and getting headaches."

But it wasn't until 1906 that William H. Carrier, of Buffalo, N.Y., designed the first air conditioner which actually cooled and washed a stream of air introduced into the room.

Behind him were centuries of hand fans, which, after being invented by the Chinese, caused stir among lovers, diplomats, and social climbers.

Few fan carriers, however, went so far as a breed of Japanese warriors who carried politeness to such lengths that they had special fans to carry into battle.

But the fans were made of cast iron—just in case the men lost their tempers.





farming's come a long way

... since the days of quilting bees, kerosene lamps, and horsedrawn plows.

Today's farmer relies on computer forecasts, genetic and nutrition studies, sophisticated machinery, electric power—combined with a love of the land and a determined pioneer spirit—to help him set our tables with an unequalled variety and quality of food.

He's a good scientist-engineer-economist-businessman... with a dash of philosopher thrown in. He has to be. While his operating costs continue to soar, many of his products bring him no higher prices than 20 years ago. He's caught up in an exhausting

struggle to survive by cutting costs and increasing yields. Now, he produces enough food and fiber for 45 people—two decades ago it was only 14.

The people of America's nearly 1,000 consumer-owned rural electric systems, which serve the majority of our nation's farms, recognize that—as city and country grow more and more interdependent—the farmer's role becomes ever more vital.

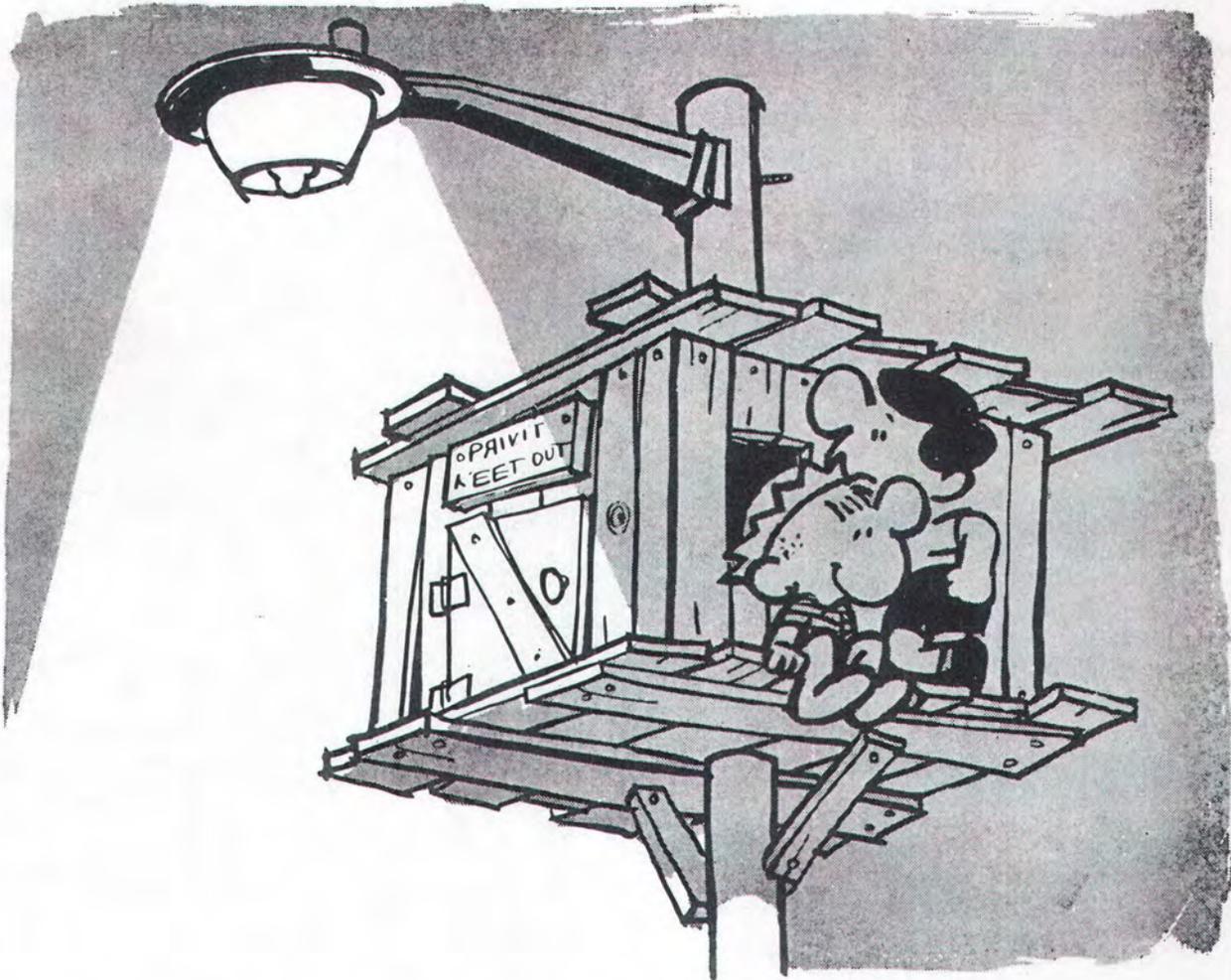
The people of America's rural electric systems know that in a progressive, changing world, some things are worth saving. Like an heirloom quilt. Like the family farm.

We Care... We're Consumer-Owned

AMERICA'S RURAL ELECTRIC SYSTEMS

Members of the National Rural Electric Cooperative Association 2000 Florida Ave. N.W., Washington, D.C. 20009

Every Home Deserves a Security Light



There are many good reasons why so many homes benefit from outdoor electric lights.

A Security Light automatically turns itself on at dusk; off at dawn. Your yard, barn and outbuildings are well lighted so you have hours added to your day. No more stumbling around in the dark; fewer dangerous slips and falls.

Well lighted areas discourage unwanted prowlers. Animals, birds and equipment are protected . . . automatically . . . from dusk to dawn.

Costs only pennies a day. Ask your rural electric system for complete information.



Tennessee's Electric Cooperatives

Timely Topics

ARE PRICES FOR FOOD TOO HIGH?

While it's true that prices have increased, a University of Tennessee agricultural economist believes consumers need to know how much they have increased and why the increase is necessary.

"The concerned housewife knows that the prices of hogs, cattle, calves, broilers, oranges and soybeans must have gone up because she is paying more for the items derived from these products," says Herbert Walch, associate professor with U-T's Agricultural Extension Service. "What she may not have noticed is that food items that come from milk, lettuce, eggs, tomatoes, strawberries and potatoes should have gone down since the prices that farmers received for these products have decreased.

"Now, if these price increases and decreases are put together, the index of prices received by farmers advanced by two percent as of February 15. This increase, plus past increases, means that farm prices have moved up 7.8 percent over the past 20 years — not a very large increase."

Walch points out that on the other hand, the cost of the items bought by farmers to produce the nation's food has increased 52 percent over the same 20 year period. These figures answer the questions about why food prices have increased at the farm level.

"It is only because farmers have become more efficient and produce more products without using more production inputs that they have been able to stay in business," Walch says. "Remember, the farmer only gets 38 percent of the consumer's food dollar. So if the other industries such as processors, handlers and retailers who are involved in putting food on the table were as efficient as the farmer, food would be even cheaper than it is.

The economist concludes by saying that in this country we spend only 16.5 percent of our income for food, making our food the cheapest in the world.

FARMS MUST DISPOSE OF ANIMAL WASTES

Many livestock and dairy farms can be affected by a law regarding disposal of animal wastes which was passed last year, points out an agricultural engineer with the University of Tennessee Agricultural Extension Service.

The Water Quality Control Act of 1971 requires that no materials can be released to streams that will reduce the quality of water in that stream.

"This means the farmer is responsible for handling his animal wastes in such a way that they do not run off and affect the streams," says H. O. Vaigneur, associate professor.

Hauling and spreading solids and semi-solids on the land is still the most practical, provided care is taken not to let liquids run off into streams, says Vaigneur. Also, recommended application rates should not be exceeded.

A storage system where liquids can be stored and treated may be advisable, suggests the engineer. This will involve a

tank large enough to hold the materials over a period of time when disposal is prevented by weather or crops. A tank-wagon will be needed for hauling.

A lagoon should be considered if a treating facility is desired, he continues. A lagoon is a small body of water where bacterial action reduces solids to liquids and gases. There will be some odor. There will also be some overflow from a lagoon which must be disposed of on the land.

Pollution control facilities for animal waste disposal qualify for cost sharing under the REAP program, advises the engineer. The amount varies from county to county but the limit is \$2,500 per farm. For assistance, inquire at your local ASCS office.

NEW SMALL GRAIN INSECT IS COMING

A new small grain pest, the cereal leaf beetle, may be poised on the Kentucky border waiting to attack Tennessee crops this spring.

"The cereal leaf beetle is new to the United States, but may reach Tennessee this spring," cautions R. P. Mullett, associate professor of agricultural biology with the University of Tennessee Agricultural Extension Service. "This new pest prefers oats, but may attack slightly some grasses, such as orchard grass."

The new pest was found in Michigan five or six years ago and has spread to the Kentucky-Tennessee state line. It has been found in Kentucky counties just north of Sumner, Pickett, Scott, Campbell and Claiborne counties.

USDA and Tennessee Department of Agriculture scouts have checked along the Kentucky border for the past couple of seasons, but have not found the insect in Tennessee. Scouting will continue this spring.

The adult beetle overwinters, is about three-eighths inch long, has metallic blue-black wing covers, and a red head and legs, explains Mullett. The larva is white, almost one-half inch long with a black head and legs. It is shaped similar to the larva of the Colorado potato beetle.

Usually the larva will be covered with a lot of dirt and be dark in color. Typical damage symptoms are long strips eaten out between the veins of leaves of crops.

"Please be on the lookout for this insect this spring and take specimens to your county Extension office for identification," advises Mullett. "The insect usually appears from around April 15 and through May. Any suspicious looking new insects on small grain may be the cereal leaf beetle."

The insect can be controlled, continues the entomologist. Start when two larvae or adults per stalk are found and temperatures are above 55 degrees. Use one pound of actual, regular 57 percent malathion. If using ultra-low-volume malathion, usually by plane, use 9.6 ounces of 95 percent material per acre.

Guthion can also be used at the rate of one-half pound of actual material per acre. There is a 30-day waiting period for guthion between application and harvest. Malathion has a seven-day waiting period.

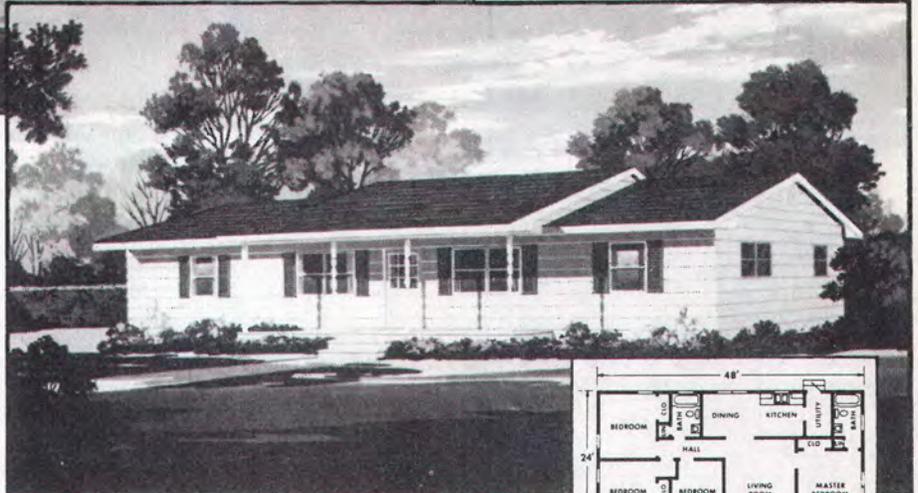
MORE THAN

Beautiful...

**EXCITING
NEW
MODELS**
by Jim Walter Homes



The 3-bedroom SALEM



The 4-bedroom LEXINGTON

HERE THEY ARE !!

AT LAST - The new models you've been waiting for . . . the new models you have demanded for so long !!

To meet the ever increasing demand for spacious living, we are proud to introduce these larger two bath homes. We honestly feel these **NEW** models will meet the requirements of discriminating folks everywhere, who require a larger, more distinctive home designed for comfortable living. Look them over carefully. Notice each one has two full size bathrooms to unclutter those morning traffic jams, and over 1150 square feet . . . all of it living area. Notice especially the beautiful colonial design of the Salem . . . the early American look of the Lexington. Note the isolation of the master bedroom. Yes, these are truly **NEW** models. We feel sincerely that you will love them every bit as much as we do.

Here's how you can build the home of your choice on your property at a price you can afford.

We'll offer you a selection of over twenty models that can be built on your property. You can count on the materials to be high quality, long lasting and requiring little maintenance. **NOW DECIDE HOW MUCH INSIDE FINISHING YOU WOULD LIKE TO DO YOURSELF . . . TO SAVE MONEY.** We'll stop at almost any stage of inside completion. Then, you take over. Finish the rest yourself. It'll save you money.

INSTANT MORTGAGE FINANCING
to qualified property owners

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



Get complete facts and the cost of building on your property. Stop by your nearest display park or send the coupon for our new catalog of homes.

BRISTOL, TENN. 37620
P.O. Box 95
Volunteer Parkway
Hwy. 19 S. & 11 E.
Phone 764-7166

NASHVILLE, TENN. 37207
P.O. Box 8440
Northeast Station
3821 Dickerson
Phone 865-1900

KNOXVILLE, TENN. 37901
P.O. Box 1967
4337 Asheville Hwy.
Phone 546-4640

CHATTANOOGA, TENN. 37415
P.O. Box 4371
5430 Dayton Blvd.
Phone 877-6474

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

MEMPHIS, TENN. 38118
P.O. Box 18217
3763 Lamar Avenue
Phone 363-3410

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.



NAME _____
ADDRESS _____
CITY _____ STATE _____
Telephone (or neighbors) _____
If rural route please give directions _____
I own property in _____ county.



John C. Baker

Census Shows Tennessee Farms Are Fewer But Larger

(Editor's Note: The following article was written especially for The Tennessee Magazine by John C. Baker, a Washington writer-consultant. For eight years he was chief of the information office, Bureau of the Census. Previously, he spent 20 years in statistics and economic reporting with the U.S. Department of Agriculture.)

Here is a quick sketch of the average Tennessee farm and farmer as they entered the 1970's. Statistics come from the recently published 1969 Agricultural Census. To avoid unnecessary chronological details, this report is written as though the present time is the last day of 1969.*

Farms

It is the end of 1969, the beginning of 1970. In the great state of Tennessee there are 121,406 farms, or 9% less than in 1964. Since 1935 Tennessee has lost 153,000 farms.

What happened to them?

About 127,000 have been absorbed by other farms. About 26,000 have gone out of farming entirely. It may be that the 35-year decline in number of farms is leveling off; at any rate the 12,000 loss of the past five years is much lower than in any similar period since

1950. Tennessee's decrease of 9% is much smaller than in some of the neighboring states: 24% in Arkansas, 21% in Alabama, and 32% in Louisiana. Figures for other Southeastern states have not yet been published.

Farm Size

But while the number of farms in the Volunteer State has gone down, their average size has gone up.

In 1935 the average Tennessee farm was 70 acres; in 1964 it was 114 acres;

now it is 124 acres, of which about 3 acres produced crops in 1969. Some farms, of course, are larger. There are more than 900 farms of more than 1,000 acres, including 18 owned by city-type corporations that average about 2200 acres each. There are 258 farms owned by family-type corporations, averaging 445 acres.

Kinds of Farms

Of the 121,000 farms in the state, more of them sold some cattle than any other one product: about 74,000 farms; 25,000 farms had at least one milk cow; 33,000 had some pigs; 25,000 had chickens; 35,000 produced corn; 20,000 produced cotton; and 51,000 grew hay.

Top Products

Tennessee farmers sold almost one and a quarter million head of cattle during the year, with about 75,000 of them fattened on grain, for more than \$120 million. The commercial dairy farms in the state earned \$96 million, but the number of farms with just one or two family cows dropped from 25,000 to 10,000 farms in five years. The number of laying hens decreased from 64 million to 25 million birds, but broiler



production on about 800 farms went up by about 15% to 41 million broilers in 1969.

The tobacco crop of 111 million pounds was worth over \$45 million and the cotton crop, 428,000 bales, sold for \$38 million. Grains of all kinds brought in \$68 million. The corn crop, most of which was fed at home, totaled 29 million bushels; soybeans, 23 million bushels and wheat 5 million bushels. Tennessee ranks fifth in tobacco and eighth in cotton production among the states.

Farm Sales

Tennessee farm products in this year 1969 have brought in \$623 million — an increase of about 17% over 1964. For the first time, the census shows animal products of all kinds brought farmers more money (\$392 million) than they got from the sale of crops (\$225 million.) The value of livestock plus poultry and dairy sales went up by \$145 million in five years, while the returns from crops fell off by more than \$50 million. Government farm payments added \$47 million to the income of Tennessee farmers.

Farm Costs

If total farm sales have gone up from '64, costs have, too. Costs in 1969 totaled about \$503 million, around 40% more than in 1964, as nearly as the two years can be compared.

How do these 1969 costs break down?

Biggest outlay falls into a catch-all category called "other production expenses." Despite its modest title, this cost Tennessee farmers \$154 million, almost one-third of the total cost of farming. This "other expenses" category includes such items as interest, insurance, and — you guessed it — taxes.

Other big ticket items include \$77 million for livestock and poultry and \$107 million for feed. Hired labor cost \$45 million; fertilizer, \$43 million; gasoline and other fuels \$31 million.

Farmers

Almost all Tennessee farmers own at least part of the land they operate. About 93,000 of them own all their land, an average of 105 acres; another 19,000 farmers own part and rent part of their land, an average of 225 acres each and totaling about 45 percent of all the crop land harvested in the state. Only about 9,000 farmers rent all their land, an average of 112 acres each. The percentage of tenancy, under 8%, is the lowest on record.

What The Farmer Has

The average Tennessee farmer works a farm worth (according to his own evaluation) about \$33,000 — an increase of more than a third more than the value of the average farm in 1964.

This average farmer has three-fourths of a car and three fourths of a truck and one whole tractor, plus other machinery adding up to about \$5,600 worth. The machines are of fairly recent vintage. About 55% of the cars, 46% of the trucks, and 33% of the tractors were less than five years old.

The average farmer — well, he's not exactly a spring chicken himself at age 53, about five months older than the average of five years earlier.

What The Farmer Makes

In this year 1969 the Tennessee farmer has spent about \$4,100 to produce crops and animals which brought him an average return of

\$5,100. It costs him more now than it did in 1964, about 48% more, while income per farm has gone up only about 29%.

Semi-Farmers?

Finally, whereas 47,000 Tennessee farmers worked off the farm at least 100 days in 1964, in 1969 this number had grown to more than 58,000 or almost half the farmers in the state, and another 17,000 farmers worked at least a few days off the farm. And about one farmer in six doesn't live on the farm that he operates.

**NOTE: The Census Bureau has published a report for each county that gives several hundred statistical facts for each county, and also a similar report giving state totals and averages. Copies may be obtained for 25c each from the Publications Office, Bureau of the Census, Washington, D.C. 20233.*

HEARING AIDS
UP TO **50% OFF** COMPARABLE AIDS *

• BUY DIRECT • 20 DAYS FREE TRIAL
Body Aids \$39.95 up. Tiny, inconspicuous All-in-the-Ear; Behind-the-Ear; Eye Glass Aids. One of the largest selections of fine quality aids. Battery prices low as \$2.00 for six No.675. No salesman will ever call. Good hearing is a wonderful gift. Write: * LLOYD CORP. *
Dept. TE, 905 9th St., Rockford, Ill. 61108

ARTHRITIS

True Life Story

Paul McCoy was an arthritic during his lifetime. This condition also struck his two sisters and his son. They tried so many things. Then one day a friend in pharmaceutical circles told him about a wonderful medicine. He was so grateful he wanted to tell everyone about Norkon, the wonderful medicine for temporary relief in easing the minor pains and aches of arthritis, rheumatism, sciatica, neuralgia, neuritis, lumbago or bursitis.

Write for his remarkable experience and how thousands of others are now praising Norkon, too. It's free, costs nothing and you may win so much. Send name and address to: **NORKON**, Dept. R-805 101 Park Ave. NY 10017.

This ad could be the beginning of
A NEW LIFE
FOR YOUR FAMILY

BUILD YOUR OWN HOME THE MILES WAY, HERE'S HOW... We furnish pre cut building materials and step by step instructions and easy pay plan and free delivery and plumbing and heating and wiring and paint and tile and blueprint service and good advice and some cash for your basement, too. We have just about everything you need... we're friendly people, too. So why pay rent? Our free home plan book tells you more.

Please rush me your FREE CATALOG on Miles build it yourself homes

Name _____
Address _____
City, State, Zip _____

MILES HOMES
PRE CUT
THERE IS A MILES LOCAL REPRESENTATIVE IN YOUR AREA
125-E. Short St., Lexington, Ky. 40507
Phone (606) 252-1527



This is Sam Ridley today, Mayor of Smyrna and the owner of a successful automobile agency in that Middle Tennessee city.

Smyrna Mayor Was "PATTON" Tank Commander

By Rosalind Akin
Middle Tennessee State University

In the movie, "Patton," as the Third Army raced to save the Americans surrounded at Bastogne, Sam Ridley watched an episode from his past.

Ridley, the mayor of Smyrna, was commander of a tank unit and reached Bastogne in the first few minutes after the initial link-up that cold December day in 1944.

Sam said the movie showed Patton as a tough leader but failed to reflect the 'hero worship' his troops felt for him.

"The troops loved him—believed in his leadership," he said.

In Allied battle code, each army had a secret name. Patton named the Third Army "Lucky." And Ridley said, "It was. And it was molded in the image of its general—tough and cocky and daring, ready to take advantage of every break. And very proud of itself."

Ridley's tank division landed on Omaha Beach. By July 25, a narrow corridor was opened near Avranches and Eisenhower gave the order that launched "Lucky" through the hole, Ridley related.

One historian has since commented: "Perhaps the greatest chance any American commander took in the war was the Third Army move on the single coastal road at Avranches. A successful counterattack by the Germans would have left the Americans cut off and surrounded. A traffic jam would have meant massacre."

As the movie depicted the fighting in North Africa, Ridley commented that what Patton learned while fighting Rommel re-vamped the U.S. tank program.

He said, "Some of the greatest training we got was from Rommel in the desert battles—especially about tanks." Ridley was in the States training in tanks at the time.

"We got knowledge of the equipment at Fort Knox—then we got actual training in the Mojave Desert. In the Tennessee maneuvers we got the actual terrain of Europe," he said.

Once into France, Lieutenant Ridley was given command of a light tank company and engaged in his first skirmish as commander at Orleans. As the division spearheaded the Allied move south, Sam was awarded the Silver Star for the success of the campaign at Luneville.

"It was as tough a campaign as the Battle of the Bulge," Sam remembered.

Asked about the Third Army's history-making race through snow-laden pine forests to save Bastogne, Ridley said the movie was completely accurate. Four days after his division started for Bastogne, its tanks were in the city.

"We went 48 hours and did not get out of our tanks except to refuel—and that in the dark," he explained.

He also said on the way to Bastogne, the troops put white sheets and snow over the tanks for camouflage.

As if in answer to General Patton's prayer, the sun broke out on Christmas Day as the Third Army plowed toward their surrounded comrades.

"The P-47's that got through that day made it possible for us to defeat the Germans at Bastogne," Sam said.

Criticizing the movie for humorously

presenting Patton's religious convictions, Ridley said:

"His religious convictions were deep. His call for prayer at the crucial hour before the final push to Bastogne was in the true Patton spirit of always doing a thing all out."

Sam related a story told by Mrs. Patton. Asked if he prayed for victory, Patton answered emphatically, "No! That's up to me. I pray to do my best."

Things were quiet for two days after Bastogne, Ridley remembered.

"We went into houses the French civilians had vacated—and General Patton had hot turkey dinners sent in to all the troops."

After the Bulge, as the Allies resumed the offensive, Sam related one encounter,

"The old man (Major General John Wood) said, 'Sam, see what's left of Domstadt.'" Sam commanded the unit that surrounded and took the town just as the Germans set down to dinner.

He said, "They were completely surprised. Didn't know Americans were near—they came out in dress uniform and surrendered."

As the movie highlighted Patton's mistrust of the Russians, Sam said his unit first contacted the Russians at Strakonice:

"And we were notified the war was over while in Strakonice. The next day we got in a jeep and drove to Prague. The Russians turned us back from their territory. There were immediate signs that Patton's doubt about Russia's 'friendship' was justified."

During the battles across Europe,

Use Baskets For Various Home Needs

By Phyllis Inman, Assistant Professor,
University of Tennessee Agriculture Extension Service

Pick a basket, any basket, and do something with it.

Made of white oak splints, rattan, wicker, rush, honeysuckle, or willow, these holders of anything and everything can be used in many inventive ways. Just turn your imagination loose.

Do you need a decorative piece to hold logs, magazines, newspapers or a colorful hamper for laundry-bound clothes? Then try a basket. Are there fresh flowers in a dull container that needs hiding? Then try a basket.

Lacquer a basket for easy washability to serve as a catchall for the baby's toys — or your own knitting or needlework.

Line a basket with spongeable vinyl to use as a food hamper for ball games, car races and hayrides. Then in the

summer, it's ideal for toting swimming or picnic gear. Smaller baskets hold fruits or nuts and are inviting to would-be snackers.

A variety of interesting baskets, painted or given a protective clear plastic coating for easy cleanability, can be used all over the house for a tidied-up appearance. Bills, letters, and miscellanea can be handily, but neatly, stashed away.

Collections of pennies, rocks, contents of pockets from trousers enroute to the laundry, change of handbag paraphenalia, toy parts — almost anything can be happily heaped in some kind of basket, providing an easy-to-find niche for all those household extras.

Baskets provide a casual flare that pulls things together that otherwise would be scattered here and there.

Tiller Users!



If the tiller you've been using has its revolving blades in **FRONT** and **NO** power to the wheels (See 'TORTURE!' above left), you won't ever be happy with it again once you try the **TROY-BILT® Roto Tiller-Power Composter** which has its revolving blades in the **REAR** and **POWER DRIVEN WHEELS** — and is **SO EASY** to use you guide it with **just ONE HAND!** (See 'JOY' above right). You do **NOT** have to walk behind it, leaving foot-prints! It does **NOT** shake you half to death! It leaves **NO** wheelmarks! There's **NO** unbearable tangling! The **TROY-BILT®** is now in its 11th great year. **SO** if you want tilling to be a **JOY** instead of **TORTURE** from now on, please clip this ad now and send today for the whole story of this wonderfully different and better design in tillers! We'll send complete details, including prices and **OFF-SEASON SAVINGS** now in effect for a limited time! Just ask for **FREE BOOKLET.**

TROY-BILT® Roto Tiller-Power Composters
Dept. 2615
102nd St. & Ninth Ave., Troy, N.Y. 12180

MAGNIFYING READING GLASSES \$3.98

High-quality, plano-convex lenses in stylish smoke-color frames magnify fine print, make it easier to do



close, precision work. Metal hinges for long wear. For folks over 40 without eye disease or astigmatism who simply need magnifying lenses. If not satisfied, return postpaid in 30 days for full refund. An outstanding value at \$3.98. State age, sex. Add 45c postage. **NEL-KING PRODUCTS, Department TG-526L, 811 Wyandotte, Kansas City, Missouri 64105.**

MUSIC CITY SONGCRAFTERS,

NASHVILLE TENNESSEE

REVIEWS: Song Poems and Song Ideas

For musical setting and recording with the famous "Nashville Sound", send Rock & Roll, Soul, Ballad, Gospel, Country & Western type poems for free appraisal and full details to:

SONGCRAFTERS, Studio T
6145 Acklen Station, Nashville, Tenn. 37212



Sam Ridley, center, then a Lieutenant and commander of a tank unit, stands with two of his crewmen in front of the tank in which he rode to Bastogne in 1944 to help save ground forces surrounded in that city.

Ridley lost two tanks to mines and another at a bridge.

As a prophetic line to the future, Ridley was assigned during his last months in Europe as administrator of an agricultural region—comparable to three counties—Simbach, Landou and andshut. At that time he was Major Ridley. A year later, back in Tennessee, he became Mayor Ridley and has served Smyrna continually since.

50 YARDS LACE 98¢

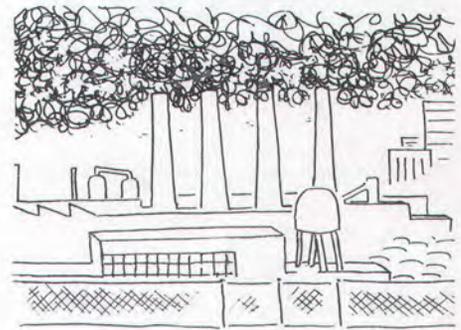
Enchanting patterns & designs, Vals, edgings, insertions, braids, etc. in beautiful colors & full widths. For womens', girls', babies' dresses, pillow cases, decorative edgings on many articles, etc. Pieces at least 10 yards in length. None small. **FREE! 100 BUTTONS** New Buttons! Beautiful quality. All kinds, all sizes. **ALL** colors. **ALL** NEW. Many complete sets. 100 Buttons **FREE** when you order the LACE—none without Lace. Only 98c, but pls. include 27c extra for postage & handling or \$1.25 in all. **20** new **ZIPPERS** in assorted lengths and colors. only **\$1.00** Money-back guarantee. Order **NOW!** LACE, Dept. NL306 Box 662, St. Louis, Mo.

TICKLE BOX®

by Ted Trogdon



"Leave the antenna right there, Dear . . . It's perfect!"



TED TROGDON
2-10

"It's a new industry in town. They manufacture Anti-Pollution Devices."

Wildlife Picture Offer

The raccoons which enliven our cover this month make, we think, the best of the three outstanding covers which Wildlife Artist Ralph McDonald has provided to The Tennessee Magazine to date.

McDonald is making available practically his entire supply of 200 "artist's copies" of this month's raccoons cover in a size of approximately 20-by-28 inches over-all for \$15 per print. These copies will not be signed but will include a biography of the artist and a story on raccoons written by Naturalist Larry Richardson of the Tennessee Game and Fish Commission.

For collectors, the same size print registered, numbered, signed by the artist and also including the artist's biography and raccoon story is available for \$35.

For the first time through this publication, collectors' prints of the February Deer and March Rabbit —

signed, registered and numbered and including biography and animal story are being offered for \$20 each.

Only a few "artist's copies" of the Deer and Rabbit remain available for \$10 each. They measure approximately 18-by-24 over-all.

Interested readers are asked to use the clip-out coupon below.



CLIP OUT BOX, FILL IN BLANKS

Mail check or money order to:

Ralph McDonald
c/o The Tennessee Magazine
P.O. Box 7232
Nashville, Tenn. 37210

- Raccoons — Artist's Copy \$15
- Raccoons — Collector's \$35
- Rabbit — Artist's Copy \$10
- Rabbit — Collector's \$20
- Deer — Artist's Copy \$10
- Deer — Collector's \$20

Mail picture(s) to following name and address:

PLEASE CHECK
PROPER BOX

(Name) _____

(Street or Route) _____

(City) _____ (State) _____ (Zip) _____

REWARD!



\$80.00 paid for one of these pennies: (1958, 1955DD, 1960). Do you know which one? Did you spend this coin today?

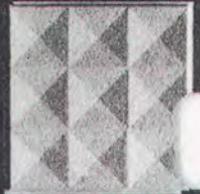
Many older coins will bring you over \$1,000.00. Mrs. F. S. Gill of Chicago just sold her coins for \$7,800.00. Our illustrated 64-page, 1972 Coin Guidebook shows how much America's largest coin dealer guarantees to pay for hundreds of coins.

Order your Coin Guidebook immediately, so you can learn how to spot rare coins. Keep your coins until it arrives with mailing instructions. Send \$1.00 to Coin Values Co., Box 42290-TM, Atlanta, Georgia 30311. Satisfaction or refund.

POLYSTYRENE CEILING TILE

WASHABLE—PAINTABLE—
MOISTUREPROOF—
INSULATES—FIRE RATED—
COMPETITIVELY PRICED

Polystyrene Thermo-Tile. Everything a ceiling tile should be.



For information, have your dealer write or call collect:

THERMO-TILE

King & Company, Inc.

Clarksville, Arkansas 72830
(501) 754-6090

THE HEAVIEST HUMAN ON RECORD WEIGHED 1,069 LBS. AND WAS BURIED IN A PIANO CASE!

The Highest Alimony Ever Paid Was \$11,550,000. A War That Lasted 38 Min. A Woman Who Bore 69 Children. The Largest Insect... a "Goliath Beetle." The World's Most Expensive Perfume At \$370 An Ounce.

The biggest! The smallest! The richest! The highest! The oldest! The longest! The fastest! The greatest! **The Guinness Book Of World Records** contains over 3,000 records of science, nature, the achievements of man, the world of sports, the arts, entertainment and little known fantastic phenomena. Packed with unbelievable facts and over 350 photos.

Settle any argument! Amaze your friends! You will not be able to put it down. This 600 page hard covered volume is a must for any library. Over 5,000,000 copies sold worldwide. Only \$5.95 (moneyback guarantee).

**GUINNESS HOUSE, P.O. BOX 1192DJ
ANSONIA STATION, NEW YORK, N.Y. 10023**

Please rush me **Guinness Book Of World Records** at \$5.95 each (plus 60¢ post. & hand). Enclosed is my check or money order for _____. If not completely satisfied I will return the book within 15 days for a full refund.

Mr. _____
Mrs. _____
Miss _____
Address _____

City _____ State _____ Zip _____
(Make check/M.O. payable to GUINNESS BOOK)



Electricity, pollution, people, human needs

EDITOR'S NOTE: While this article, written by Leon Barnier, Member Service Dept. Manager of Anoka Electric Cooperative, Anoka, Minn., was directed primarily at members of his own cooperative, it applies to all of us, and very well expresses the philosophy of all rural electricians in the matter of promoting the use of electricity.

I'm afraid that what I want to say to you will sound like a sermon and it is not meant to be.

There is a group of people in this area who seem to be dedicated to opposing the building of any new power plants. They are concerned about pollution and rightly so. They form car caravans to underscore their protest. (Cars produce an estimated 80 percent of all pollution, according to other experts.)

I wonder how many of these concerned people walk to work? I wonder how many of these people use air conditioning in their homes? I wonder how many keep their homes at temperatures under 70 degrees to conserve on natural gas or fuel oil? I wonder how many of them have thrown out the TV set to conserve on power which in turn would lessen the need for more power plants? I wonder how many of them have given any thought to the amount of electricity that is needed to produce what they consider the "necessities" of life?

Would they have us shut off the street lights to conserve power? Should we not allow night sporting events with the huge lighting loads they create? Would they attend a play or a concert or even a church that is not air conditioned? I refer to air conditioning in the true sense which includes ventilation and humidification and filtering, as well as cooling.

Should we shut down the factories that use electricity to produce consumer goods? I could go on and on with this but I hope you get my point.

One man's luxury is another man's necessity. Trite but true. Who shall determine the level at which we will live? We have had pollution since man first set foot on this earth. Wealthy mans had to leave their cities in the summertime to escape the filth and heat and disease.

People are leaving our smog ridden cities for a place in the country which soon becomes as densely populated as

the city. They then have two cars instead of one to serve the family needs and pollution grows. But the car is only the beginning, because to produce a car requires huge amounts of electricity.

Every plant that produces a part of that car requires electricity. From the plant that produces steel for the frame, to the plant that makes the smallest screw that holds a piece of plastic trim in place, to the plant that produces the fabric, to the plant that sews the seat covers together, to the plant that makes the tires, to the nylon cord that is used in the tires; all of these are users of electricity.



They employ electric automation in production and assembly. If they did not, you and I could not afford to buy what they produce.

For me to be "against" the group who oppose power plants will prove nothing. I believe, that viewed in the overall picture, electric power is one of the "necessities" of our lives. It plays a vital part in meeting human needs at whatever level you wish to establish.

Whether simple or fancy, the food you eat, the clothes you wear, the shelter you are housed in, all are dependent upon electricity in one way or another. Even the gas companies' "Total Energy" concept is based upon the production of electric power.

We have never suggested to our members that they waste electric power. From the start of the Rural Electrification program, there has been strong

emphasis on teaching members how to use electric energy economically. We are still doing that in many ways.

We might call a program by a fancy name, such as "Gourmet Cooking" but its basic purpose is still instructional. We might make calls at your home when you purchase new appliances to assure that you know how to use them economically.

Word once reached me that a certain electrical contractor felt that I personally "unsold" more electric heating jobs than he could sell. I don't know how accurate his statement was but I readily admit that I have "unsold" quite a bunch of them. We never have and we never will "sell" electric heating to anyone strictly to increase kilowatt hour sales.

Some poor installations have been made both against our advice and some without our knowledge. There will likely be some more but not with any encouragement from us. Service is our business and we are obligated to you as member-owners to tell you about products and services that might be of value to you.

When we have introduced you to new products through appliance sales in the past, we have never stressed buying two items instead of one. We have never done more than tell you what the appliance might do for you and negotiate as low a price as possible from the manufacturer. We do not now advertise that everyone of you needs two security lights, but if you need two or more, we must provide them to you.

In other words, we have never given any of you the "high pressure" sales treatment.

In spite of this you have continued to increase your electrical consumption yearly at much more than the national average. The result has been the continued decrease in the cost of power to you. I would be less than honest with you if I said this will continue. It will not.

I am not qualified to make any predictions about where the cost of electricity will level off. It can only be higher in the face of rising costs of fuel and material needed to bring power to your home. Underground construction, pollution control devices and environmental considerations will add huge sums to the cost of bringing power to you.

Let us hope that the demands for these changes will be made in a way that they can be realistically met and at such a level that the cost can be met by you, the consumer.

I'm for stopping pollution, but let's not forget that nothing comes from industry or the government that does not come from the consumer first.

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 breadwinner, 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.

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.

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.

MAIL THIS COUPON TODAY!

Mutual of Omaha
Omaha, Nebraska 68131

Dept. 905

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

MARKETPLACE

REPLACEMENT KODACOLOR FILM AT NO CHARGE. 8 or 12 exposure Kodacolor Film developed and Jumbo Color Prints, plus replacement Kodacolor Film, only \$2.49. 20 exposure Kodacolor, plus new Kodacolor Film, only \$3.69. Trial Offer with this Ad. Lifetime Film Company, Dept. TM-6, La Crosse, Wisconsin 54601.

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

TEN COLOR BILLFOLD Photos only \$1.60. From your favorite color photo or negative. Twenty for \$2.98. Your photo or negative returned unharmed. Black and White Billfolds, 20 for \$1.25.—Color negative reprints 6 for \$1.00 (17¢ each). Service takes four days in our plant. P.D.Q. Photofinishers (Photofinishers) Lock Box 15050-19 St. Louis, Missouri 63110.

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

FREE COLOR CATALOG: Superior Quality Jewelry at Remarkably Low Prices. Beautiful Rings for Men and Women, Pendants, Pins, Earrings, Bracelets and Custom-Order Personalized Jewelry. Lifetime Guarantee. Atchley Enterprises, Magnolia, New Market, Tennessee 37820.

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

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.

"Sweet Potato Plants"—for home gardens, Porticolas, Nancyhalls, Centennials, Goldrush, Algolds, Copperskins, "Bunch", Red, White or Yellow Yams. 200—\$2.75; 500—\$4.50; 1000—\$6.50; 5000—\$30.00. Free Growing Guide. Sunshine Plant Co., Dresden, Tennessee 38225. Phone 364-3754.

Heifers and Bulls—All Breeds and All Ages Premium Quality—Otis Merritt, Route 4, McMinnville, Tenn. 37110. Phone 615-668-8647.

HEAVY MIXED \$5.90-100. LARGE WHITE ROCKS \$8.40. OTHER BREEDS FROM \$5.45. PULLETS \$12.20. FREE CATALOG. GUARANTEED SAVINGS! ATLAS CHICKS, HOME OFFICE, 2651 CHOUTEAU, ST. LOUIS, MISSOURI 63103.

BIG PROFITS, Sell new lifetime golden metal social security plates, Sample and sales kit free. Perma Stamping Products, P.O. Box 178, Tullahoma, Tenn. 37388.

Barnett's U. S. Approved Pullorum-Typhoid Clean Chicks. Brown egg and white egg varieties. Write for price list. Barnett's Hatchery, Winona, Miss. 38967.

FREE QUILT PATTERNS in Quilter's Newsletter Magazine. Magazine plus catalog illustrating over 200 patchwork and applique patterns, plastic quilting pencils—50¢. Heirloom Plastics, Box 501-T, Wheatridge, Colorado 80033.

Nashville Flea Market — Tenn. State Fairgrounds. 275 Exhibitors from 20 States, Sat., May 27th, 9 A.M. to 8 P.M. Sun., May 28th — Noon to 6 P.M. — Free Admission! Don't miss the largest Flea Market in the South, Fred Hicks, Jr., Fariview, Tenn. 37062.

Saws — Hand — \$2.00 — circle \$1.00 up — chain .50 per ft. minimum \$2.00 — carbide tip \$4.50 up — tips replaced extra. Pinking Shears .75, Scissors .60, Barber Clipper Blades \$1.00, Animal Blades (large) \$1.25. Check or money order.

EARN \$15 to \$50 IN SPARETIME. NO INVESTMENT EVER. WRITE FOR FREE DETAILS. NO OBLIGATION. LEECO, 2807 Bel-Air, Marshall, Texas 75670.

Kodacolor Film Developed and twelve Jumbo Color Prints, \$1.49; twenty \$2.49. Black and White 12 exposure 60c. Trial Offer. American Studios, Dept. TM-5, LaCrosse, Wisconsin 54601.

CHAIN FOR CHAIN SAWS—Big savings on first quality, fully guaranteed chain, bars, sprockets, parts, accessories. Free catalog. Write Zip-Penn, Box 43073-Z, Middletown, Ky. 40243.

BABY CHICKS AND BANTAMS: Old time favorites, Popular, Rare and Exotic Breeds. Chicks for every requirement. Commercial poultryman, small poultry raiser, Hobbyist and 4-H boy or girl. Free colorful picture catalog with free chick offer. Marti Poultry Farm, Box 11, Windsor, Missouri 65360.

REFRIGERATOR, FREEZER GASKETS. All makes. Range Units. Send make, model 8c stamp for quote. MODWAY, Box 34-NT, Brookfield, Ohio 44403.

COLDWATER DILL PICKLES! Can in minutes! No hot brine. Delicious, crisp. Factory secrets! Recipe \$1.00. Hamiltons, Box 233-753, New Ulm, Minn. 56073.

WALLPAPER—SAVE HALF. Huge 1971-72 catalog—85 selections, wallpaper 32¢ to 95¢ single roll; \$5.39 Vinyls only \$2.75. Send 10¢. Mutual Wallpaper, Dept. 338, 228 West Market, Louisville, Ky. 40202.

Quality Rings at Prices Lower than Wholesale! Send 25c for free catalog, to SILVER RUSH 1304 Edgewood Drive, Manchester, Tenn. 37355. Beautiful Jewelry by Mail — Silver Dollar Bonus on first order . . . Please order now while supply lasts!

\$25.00 DAILY POSSIBLE addressing — stuffing envelopes. Typewriter — Longhand. \$500.00 MONTHLY POSSIBLE clipping news at home. No experience. Information: Send stamped addressed envelope, Ame Box 4310 Le Mars, Iowa 51031.

SOUTHERN CHANNEL CATFISH. Fastest growing gamefish, gain 4 lbs. yearly. 7"-10" 10¢ each over 1000, 15¢ under 1000. Larger sizes available. Large orders free delivery. Live delivery guaranteed. Sulik, Route 3, Shelbyville, Ky. 40065. Phone 502-633-1800.

FT. SMITH AUCTION SCHOOL, Ft. Smith, Ark. 72901. Resident and home study. Veteran approved.

CLOTHING FACTORY CUTAWAYS—10 lb. assortment top quality materials for Quilts, Doll Clothes, Throw Pillows, etc. Only \$5.56 postpaid, Cutaway, Box 151-TM, Weaubleau, Mo. 65774.

REDUCE NATURALLY!! No Drugs, Exercises or Counting Calories. Easy-to-follow. Fantastically Successful. If you have tried all others, you owe it to yourself to try this scientific, proven way to reduce. Only \$1.00. Satisfaction Guaranteed or money back. WHITE, 2615-H College, Caldwell, Idaho 83605.

FREE!! NEW DIRECTORY lists Hundreds of Companies offering Free Catalogs. Save time—money. Find real bargains. 27 Categories cover all interests. Order today! Only \$2.00. Guaranteed. CATALOGS, Box 24TM, Staten Island, New York 10304.

FRYER CHICKS — Assorted all breeds no sex or breed guaranteed. \$5.95 per 100 plus postage. \$7.95 per 100 postpaid. Other breeds available. Free price list. Shephard Hatchery, Route 1, Dept. TM. Cannelton, Ind. 47520.

Stuff Envelopes. Average \$25.00 Hundred. Spare Time. Anyone Can. Easy-Profitable Experience Unnecessary. Beginner's Kit, \$1.00 (Refundable) Green's Record Books, Box 87TTM, Westbrook, TX79565.

EARN EXTRA MONEY GATHERING ROOTS. Write for price list for the most wanted roots and barks. Wild Ginseng, Golden Seal Root and Herb in good demand. Top prices paid. St. Louis Commission Co., 4157 N. Kingshighway, St. Louis, Mo. 63115.

FREE BROCHURE!! 26 Ideas for Extra Income, Self Support. ALMARC HOUSE, 1429TM2 Pemberton, Fort Wayne, Indiana 46805.

NEW RUPTURE COMFORT

EXTRA LIGHTWEIGHT HERNIABRIEF SUPPORT WITH NO METAL PARTS SLIPS ON LIKE TRUNKS

NO MONEY DOWN FREE TRIAL

Now, from England, a sleek modern support without any metal parts, gives complete body freedom. Patented Miracle Adjust-A-Pad allows instant pad adjustment. You put the pad where you need it! Lets you forget nagging truss chafing. A scientific breakthrough in comfort, control, peace of mind. Neat, perfect fitting, hygienic — 10 DAY FREE TRIAL — NO CASH NECESSARY — YOU PAY ONLY ON SATISFACTION! Send for full details.

SURGICAL INTERNATIONAL INC., Dept. 73
Box 24, 403 Kennedy Blvd., Somerdale, N.J. 08 3

BIRTHSTONES



Birthstones in yellow gold plate, Wedding Sets, High Schools and Signets. To get 1 ring Order 6 Rosebud Salve OR 6 Rosebud Perfume to sell 50¢ each. Order today. Big Cash Allowed. Please Give Zip Code No. ROSEBUD PERFUME CO. BOX H-8 WOODSBORO, MARYLAND 21798



New EXECUTIVE STRIPES

Haband Business Slacks in Burlington Mills Fabric!

YOUR BEST FRIEND MAY HAVE YOU FOOLED!

You may think he's a big spender, laying out \$30 a pair for the latest Executive Style Business Slacks. You see how his slacks stay wrinkle-free and crisply creased. Yet he always seems to have money left over. You can do it too. Here's how:

There's a new polyester out called "Trevira®." It is usually confined to custom tailors and deluxe high priced department stores.

But famous Burlington Industries bought a terrific jag of Trevira® for their exclusive Menswear Division. Wove it in a blend of 65% Trevira® polyester/35% Avril® rayon and came up with a truly amazing wash-and-wear high performance Executive Fabric.

NOW in Haband Executive Slacks!

2 PAIRS for only **18⁹⁵**

HABAND
PAYS
POSTAGE

THESE ARE WELL MADE
BUSINESS SLACKS

- Burlington Mills Fabric
- Exact Waist Sizes
- Already Cuffed, Ready to Wear
- Separate waistband
- PERMANENT PRESS •
- 4 Deep Pockets plus extra handy watchpocket
- Hookflex top closure
- Talon unbreakable zipper
- BanRol no-roll waistband
- Wider belt loops

In Smart Looking Subdued
EXECUTIVE STRIPES

So Your Friend Has No Cleaner's Bills or Pressing Bills and He Saves Wear and Tear on Expensive Clothes!

You see, Haband of Paterson, N.J. has this new deluxe quality Executive Fabric with Trevira for you to try. In beautifully tailored Executive Slacks made for the finest offices in the land. Slacks you would think came from a high priced haberdashery but actually come On Approval to try on IN YOUR OWN HOME, at an amazing low price. You get TWO PAIR for only \$18.95 in your EXACT SIZE, already cuffed and ready to wear. 2 for \$18.95 — that's only \$9.50 per pair, complete!

See Yourself in these Younger Looking
EXECUTIVE SLACKS

Stripes Make You Look Taller!

Be conservative. For business, you must. But next to these alive and slim looking executive stripes, your whole closetful of old slacks will look out of date. Choose your regular favorite business colors with new, Good Taste, almost hidden woven stripes. On Approval, 2 pr. for 18.95.

ATTENTION!
You may never have seen true dress slacks at these prices.
DON'T LET THE SAVINGS PUT YOU OFF. You'll never get better looks or a better deal.
TAKE A LOOK!

HABAND NO IRON EXEC-SLAX 2 PAIRS FOR **18⁹⁵** POST PAID

Fabric by Burlington Industries

3 for 27.95 4 for 36.25

HABAND CO.
Dept. RT-2
265 N. 9th Street
Paterson, N.J. 07508

WAIST SIZE: 29-30-31-32-33-34-35-36-37-38-39-40
41-42-43-44-45-46-47-48-49-50-51-52
INSEAMS: 26-27-28-29-30-31-32-33-34

Please send pairs of Executive Slacks as specified at right. Remittance of \$ is enclosed.

COLOR	How Many	Waist Size	Inseam Size
BLUE			
GREY			
OLIVE			
BLACK			
BROWN			

USE THIS COUPON

79B-03

Name please print Apt.

Street #

City

State

ZIP CODE

Guarantee:
TRY THEM ON. Then, if you do not choose to wear them we will refund your remittance in full. *Haband Company*

HABAND COMPANY — Operating by U.S. Mail since 1925.