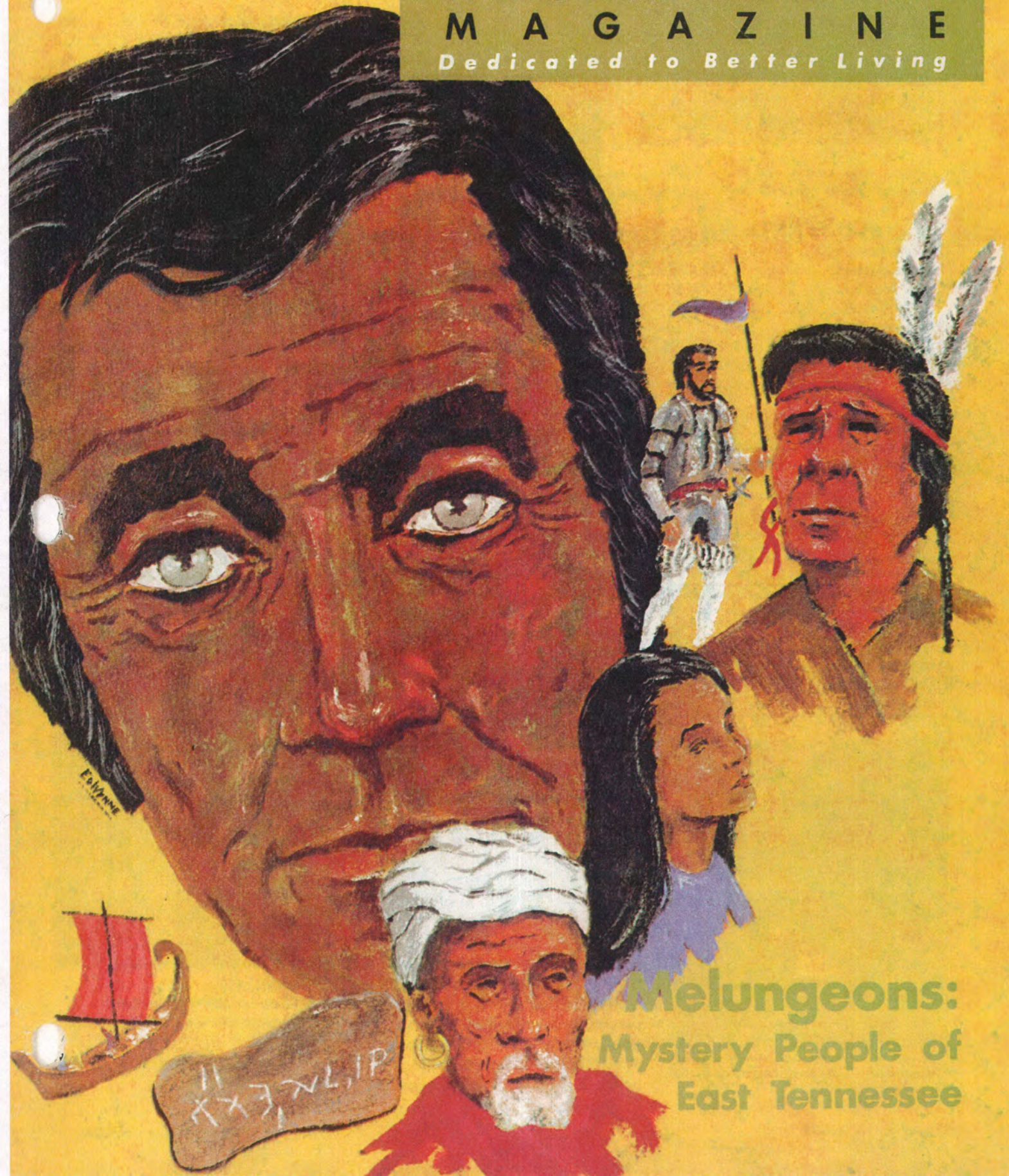


August 1973

Tennessee

M A G A Z I N E

Dedicated to Better Living



Melungeons:
Mystery People of
East Tennessee

||
XXE
||
PILNEX

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

Melungeons	3
Egg Production	7
Uncle John's	10
Timely Topics	15
The Conquick House	16
Youth Tour	18
Puzzle Corner	22
Market Place	23

John E. Stanford Editor
Jim Lynch Staff Writer

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: \$1.08 per year for members and \$1.25 per year for non-members.

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

ON THE COVER



Our cover this month relates to the Melungeons — the story beginning on the next page.

Volunteer Views



By J. C. Hundley
Executive Manager, TECA

During the next several weeks, most of Tennessee's rural electric cooperatives will be holding their Annual Meetings.

This fact can hardly be classified as news, not with all the publicity and efforts which the local electric systems make in reminding and urging YOU to come to YOUR Annual Meeting.

It is to make what emphasis we can from our viewpoint on the importance of these meetings, especially to you, the members for whom these cooperatives were organized in the first place and for whom they continue to serve and progress.

Although it has been more than one-third of a century since Tennessee's first electric cooperatives came into existence, the memory of what most of our rural lives were like before the availability of electricity is still quite vivid to many of us. In the intervening years, however, two generations have been born who have not known what life is like without the blessings of electricity. Understandably, most of these two generations take electricity for granted. The "romance" of cooperative rural electrification isn't nearly so exciting to younger

members as it was and is to those who have known life without the conveniences and necessities provided by electric power through electric cooperatives — the only means through which most rural and small town Tennesseans could get electric service.

Annual meetings, however, provides a good middle ground for all electric co-op members — young and old and in between. There's a good mixture of entertainment, reports by officials, elections, prizes and perhaps other features which make for a great Annual Meeting, the one day in the year that your electric cooperatives ask that you give of your time and presence, but for your own benefit.

Some idea as to how extensive the cooperative rural electrification program is nation-wide may be gained from the fact that electric co-ops serve in some 2,600 of the nation's 3,100 counties. Rural electric systems have borrowed and invested almost \$8-billion to connect 7-million meters to serve 20-million Americans over almost 2-million miles of line in 46 states.

Tennesseans should be especially proud of their cooperative rural electric program, which totals about twice the national average in such areas as members served while running under the national average in investment per member (due to service to numerous small towns) and cost of electricity, thanks to good management and operations and the availability of wholesale electricity from TVA.

Yes, members of Tennessee's electric cooperatives have much for which to be thankful and to appreciate in their fine power systems.

And one of the very best ways that we know to show that appreciation is to attend the electric cooperative's — meaning YOUR — Annual Meeting.

The Melungeons: who are these people?



Looking off Newman's Ridge into the Vardy valley, traditional home of the Melungeons, one sees the scenic splendor of the Hancock County area.

The East Tennessee Mountains May Never Reveal the Secret

By Jim Lynch
Staff Writer



Paul Kersey and Rose Williams, both students at Carson Newman College, are spending this summer performing in the Melungeon drama, *WALK TOWARD THE SUNSET*, which is presented at the little outdoor theatre in Sneedville.

When the first white man crossed the mountains from North Carolina into East Tennessee, he expected to find Indians. But he also found something that he hadn't expected — something peculiar.

Living peacefully among the red men was a race of brown-olive skinned people — not Indian, not Negro — but a race unique to itself. They were later to be called Melungeons, perhaps from the French word "Melange," meaning mixture, or from the Greek word "Melos," meaning dark or black, however no one is certain. The French explanation seems to carry more validity because French explorers during the latter 1600's and early 1700's noted their existence and made the distinction that they were not Negro or Indian, but something else.

The people themselves are uncertain as to their heritage because family records were non-existent due to their high rate of illiteracy. They often referred to themselves as Portuguese, probably as a result of social pressures which considered Indians and Negroes, for whom they were often mistaken, as second class citizens; however, very little evidence points toward Portuguese ancestry because they have English names such as Collins, Mullins, Gibson and Brogan. They also spoke English — but not like present-day English — more like Elizabethian English with a mountain twist. As a matter of fact, most of the evidence points toward an Anglo-Saxon background except for their appearance which would suggest Portuguese or Arabic or even Polynesian ancestry — anything but English. The theories and guesses seem endless.

Perhaps the most popular theory is that the Melungeons are descendants of Sir Walter Raleigh's lost colony of Roanoke in 1584. In one of early America's most notable tragedies, this first of the English colonies was ransacked by hostile Indians who either killed, captured or dispersed the colonists into the vast forests. A second voyage to Roanoke Island by the British a year later found nothing of the original settlers whose fate remains a mystery to this day. Perhaps the survivors fled to the west, intermarried with friendly Indian tribes and settled in the Clinch Mountains and became what we today call Melungeons. Who knows?

(Cont'd on page 4)

Another theory has it that the Melungeons derived from shipwrecked Portuguese sailors who moved inland and intermarried with the Indians. The physical characteristics would seem to match, perhaps, but what of the English names and language? This is the theory proudly adhered to by the group itself, but it doesn't seem likely.

Perhaps they're the descendents of deserters from DeSoto's Spanish expedition of 1540, which reached into the Southeastern states, but there is little to substantiate this theory other than it is a possibility and a pretty good possibility at that because the DeSoto expedition did encounter a degree of desertion among its ranks.

An old Welch legend has it that a Chieftain named Madoc sailed to the West in the days of the decline of the Roman Empire and landed in foreign territories and never returned. It's only a legend, but . . .

One of the more romantic of the theories is that the Melungeons are, in reality, modern day Phoenicians who came to this country some 2,000 years ago. It is common knowledge that the Phoenicians were one of the most advanced races of their time, being



Built by the local citizens, the outdoor theatre in Sneedville has become the pride and joy of the population. Note that they have attempted to make it as rustic and authentic as possible.

skilled in dyeing, linen-weaving, glass making, and metal working — and they

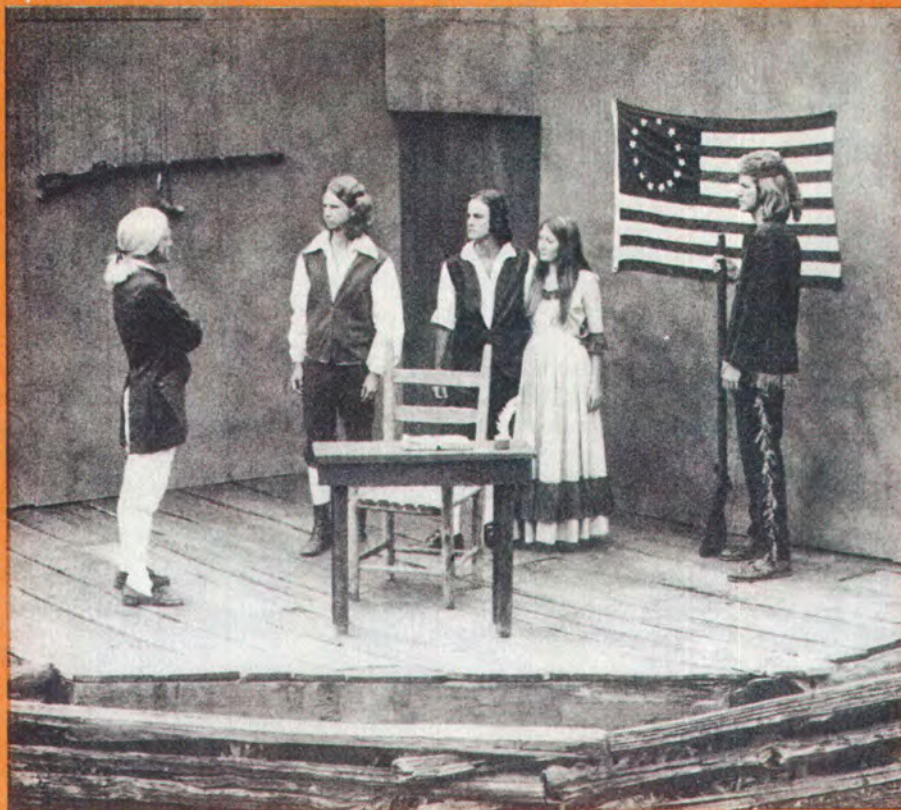
were undoubtedly the masters of the sea in their day. No one built better ships nor had a more extensive knowledge of the sea.

Present day experiments by Thor Heyerdahl and his papyrus reed boat "Ra," not uncommon with Phoenician craft, indicate that transoceanic trips were possible, and probably frequent. To back up this theory, historians point out that a stone was found in South America in the latter part of the 19th century containing Phoenician writing and symbols.

But were the Phoenicians the forefathers of the Melungeons? It's possible, just as are all the theories.

However, the most fascinating theory to emerge lately is the possibility that the Melungeons are one of the lost tribes of Israel. A Brandeis University professor named Cyrus H. Gordon has translated the inscription of a stone found in a burial mound in Bat Creek, Tennessee, in 1885, to read, "for the land of Judah." He contends that the letters are written in the style of "Canaan," the "promised land" of the Israelites somewhere between the Jordan River and the Mediterranean.

"The archeological circumstances of the discovery," Gordon says, "rule out any chance of fraud or forgery and the inscription attests to a migration of Jews . . . probably to escape the disastrous



Members of the cast of *WALK TOWARD THE SUNSET* go through rehearsals prior to the opening of the drama. Director John Lee Welton is now in his fourth year with the organization.



Munroe Collins, one of the few remaining Melungeons who exhibits the physical characteristics that they are noted for, still lives on Newman's ridge.

Jewish defeats of 70 and 135 A.D."

Gordon noted that when the stone was found, it was sent to the Smithsonian Institute where it was photographed. However, when the photograph was printed, it was printed upside-down and its importance went unnoticed for years — until Gordon came along, that is. The stone is currently housed at the Smithsonian in Washington.

Is it too fantastic to think that Jews utilizing Phoenician techniques might have fled to America soon after Christ's death?

Could these people have then migrated to the interior and taken up residence in the lush rolling hills and valleys of East Tennessee and Southwestern Virginia, thinking perhaps that they had, indeed, found the "promised land?" If one accepts Professor Gordon's theory of the inscription on the stone, it is a strong possibility.

But the mystery remains unsolved. All that is known for certain is that they were in East Tennessee and Southwestern Virginia when the first white man came. And the white man, believing the Melungeons were colored people with no rights, forced them high into the Clinch Mountains, principally Newman's Ridge just outside present day Sneedville, Hancock County, Tennessee.

Clustered together in land too mountainous for anyone else to bother, the Melungeons lived as outsiders to the world around them. Following American independence, they were given the title

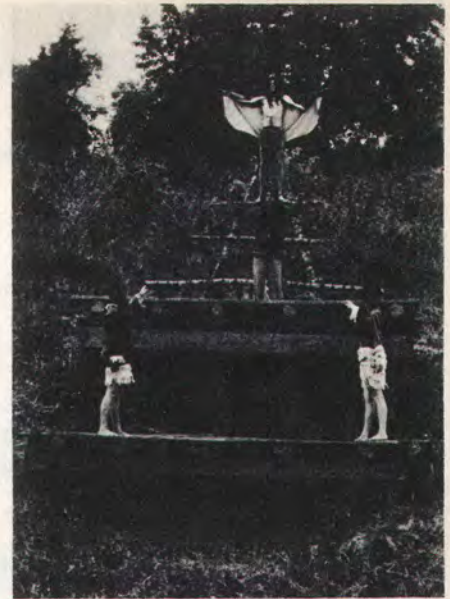
"free persons of color," but were still not granted many of the freedoms that the young country had fought so hard for.

So they stayed atop Newman's Ridge and had little contact with the white men who felt superior to them and their's. They shunned education both from a fear of white schools plus the need of the young men and women for homestead duties and became somewhat infamous for their moonshine activities.

But, until recently, they were looked down upon and misunderstood by their neighbors. Not until as late as 10-15 years ago has their social status changed. In the past, the term Melungeon was a fighting word, the dark skinned people preferring the title "Portuguese," but lately, more and more people of Hancock County are admitting Melungeon heritage and are beginning to show pride in it.

In 1969, the citizens of Sneedville got together with a young theatrical director from Carson Newman College named John Lee Welton and noted playwright Kermit Hunter and organized an outdoor drama depicting the history of this most unusual group of people.

Entitled *Walk Toward The Sunset*, Hunter's romantic drama is a fictionalized story concerning a Melungeon family and their descendants, showing the hardships and perils they faced, and Welton is now in his fourth season as director of the program that utilizes not only the talent of collegiate thespians, but local people as well. The program is presented each Thursday, Friday and Saturday evenings from mid-July until



As part of the performance, part of the cast performs a sequence behind the stage on this platform to show off certain Indian rituals from the past.

early September at the 600 seat outdoor theatre built by Sneedville citizens at the foot of the ancestral home of the Melungeons, Newman's Ridge.

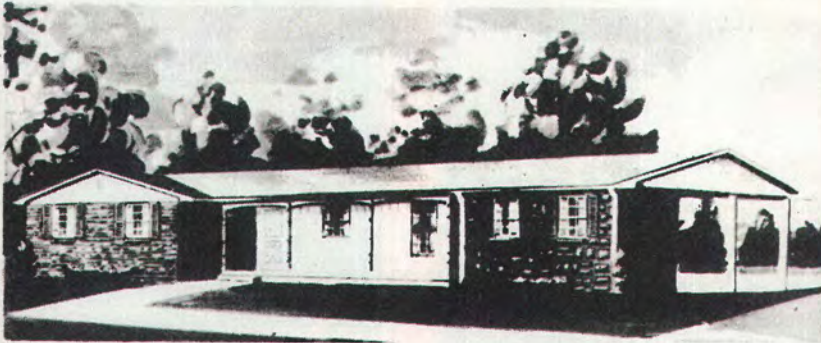
The play, however, makes no attempt to solve the riddle of who the Melungeons are — no playwright could attempt such a task. Their mystery will probably remain one of those that stimulates men's minds into creating legends and folklore, something as American as apple pie. And as the legends grow, fiction will soon become intertwined with fact and the real answer may never be known. Perhaps it has been planned that way all along.



County school superintendant Claude Collins, himself a Melungeon who has lost many of the physical characteristics, stands in front of the little school in Vardy, Tennessee which he attended as a youth.

Jones Homes® Has A Plan To Please

OVER 250 PLANS — OR USE YOURS — OR BOTH



A CUSTOM DESIGNED HOME WITH A SAVINGS FOR YOU!



Now you can save up to 40% by building a Jones Home! The new Jones Homes custom designed plan offers over 250 styles or you can use your own by utilizing our free plan service. Jones will deliver the materials free and our experienced carpenters will erect and enclose the home on your lot. We'll even start with the foundation. Then you can save from 15 to 40% by finishing the house yourself or acting as your own contractor having others do the work for you. And we'll help you arrange fast, low-cost financing to meet your budget. Don't delay -- just complete and mail the coupon below or call collect 615/824-6534 and find out how you can save by owning a Jones Home!

P. O. Box 1 - Hendersonville, Tenn. 37075 - 615/824-6534



A Subsidiary of
FERRO CORPORATION
Cleveland, Ohio

Name _____

Rural Rt. or St 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 **TM-8-73**

Please send floor plan and prices on all Jones Homes

★ AMPLE FUNDS AVAILABLE FOR FINANCING ★

HEARING AIDS

UP TO **50% OFF** COMPARABLE AIDS ★

• BUY DIRECT • 20 DAYS FREE TRIAL

Body Aids \$49.95 up. Tiny, inconspicuous All-in-the-Ear; Behind-the-Ear; Eye Glass Aids. One of the largest selections of fine quality aids. Very low battery prices. Write for FREE literature. No salesman will ever call. Good hearing is a wonderful gift. ★ **LLOYD CORP.** ★ Dept. TE, 905 9th St., Rockford, Ill. 61108

THE TALLEST HUMAN IN THE WORLD...AND HIS DAD!

Robert Wadlow, at the age of 22, reached the record height of 8 ft. 11.1 in. His father was the long time Mayor of Alton, Illinois.

The heaviest human on record weighed 1,069 lbs. and was buried in a box the size of a piano case.

The highest divorce settlement ever made was \$9,500,000.

The longest single unbroken apple peel on record is 1,568.5 in. The apple was 15 in. in diameter!

The greatest number of children produced by a mother is an unbelievable 69.

The most expensive wine in the world cost about \$300 a glass.

Here it is—the only book of its kind—**The Guinness Book of World Records**—enlarged and updated! It contains over 3,000 all-time records, statistics, spectacular feats of man, nature, science, space, the arts, entertainment, the world of sports and little known fantastic phenomena. Packed with unbelievable facts and over 400 photos!

"IT'S VALID, AUTHORITATIVE."
—The N.Y. Times
Settle any argument! Amaze your friends! You won't be able to put it down. This 637 page fantastic hard-covered volume is a must for any library. Nearly 10 million copies sold worldwide. Only \$5.95.

THE BIGGEST! SMALLEST! RICHEST! HIGHEST! SHORTEST! OLDEST! LIGHTEST! LONGEST! FASTEST! SLOWEST! GREATEST!

*****MONEYBACK GUARANTEE*****
BOOK OF WORLD RECORDS, DEPT. G-255
1966 BROADWAY, NEW YORK, N.Y. 10023

Please rush me _____ Guinness Book of World Records at \$5.95 ea. (plus 60¢ post. and hand.) Enclosed is my check or money order for \$_____. If not completely satisfied, I'll return the book within 15 days for a full refund.

name _____ please print

address _____

zip _____

Make check/money order payable to Book of World Records. © 1973



Sunny Side Up? Over Lightly? Scrambled?

HUDSON BROTHERS PLANT PROVIDES 72,000,000 AUTOMATED CHOICES

By John Stanford

Still occasionally making the rounds is the story about the one-time farmer who purchased eggs for 60¢ a dozen and sold them house-to-house for 50¢ per dozen.

When reminded by a friend that selling his eggs at a loss was a mighty poor way to do business, the erstwhile farmer replied: "That's true, but it beats the heck out of farming."

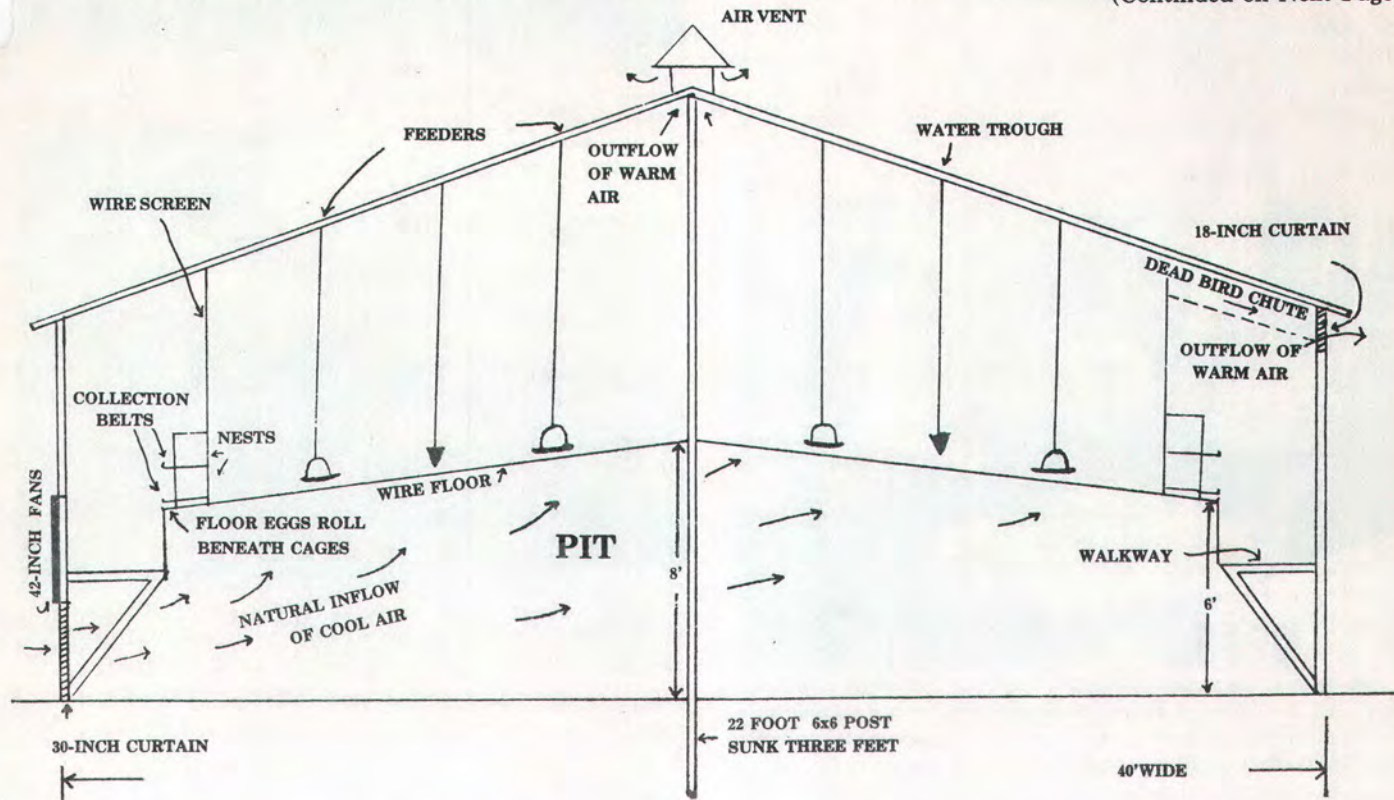
At the height of its popularity, this story was considered a gross exaggeration, a joke. It no longer is because, in far too many cases, it is painfully true. The reason: through the first three "phases" of its anti-inflationary program the Government has frozen the point-of-sale prices of many farmer-produced items without freezing the price of the products which the farmer must buy — such as feeds and supplements — in order to send eggs, poultry, beef and hogs to market. This two-sided economic monster, free-wheeling on one end and frozen on the other, has placed numerous farmers and farm-related producers in a most serious bind whereby they are making the thinnest of margins, barely breaking even or losing from a little to a lot of money. A number are holding their products off the market rather than take an immediate loss . . . or waiting until the marketing climate looks reasonably

better. Whether or not the recently announced Phase Four provides a reasonable answer remains to be seen.

Some producers, because of heavy investments in buildings, equipment, size and type of product inventory — all designed for the marketing of a top quality product at the lowest possible cost — have had little choice except to buck the heavy economic headwinds while hoping for more favorable conditions in the near future — or drop out of the picture completely with heavy personal losses. This, in turn, creates shortages to ultimate consumers.

This story concerns one of the latter types of producers — Hudson Brothers, Incorporated of Clarksville, Tennessee which, with the production of six-million-dozen eggs per year, is one of the finest and most efficient operations of its type in our state or nation. And, operating at the peak efficiencies which it does and which will be detailed in the remainder of this story, it may be assumed that the Hudson Brothers' operation will do as well on its profit-or-loss statement as other top-notch producers — better than the vast majority of less efficient agriculturally-oriented operations.

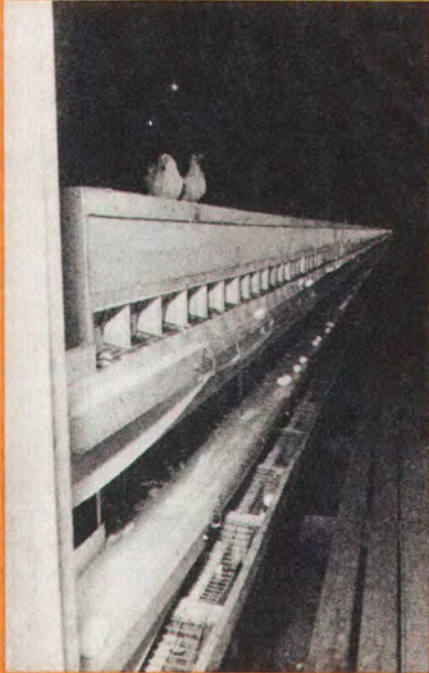
Jack and Bill Hudson have operated as a Hudson Brothers
(Continued on Next Page)



This is a schematic drawing of the laying houses used in the Hudson Brothers egg operation. It is sometimes called the "Tennessee Penthouse" because the birds live on wire high up in a tall structure.

team since founding the Cumberland Milling Company in Clarksville in 1950. It was in 1958 that they, along with John Ashby, now General Manager of the company, incorporated under the name of Hudson Brothers to process and market eggs.

Working with farmers in the area who were interested in getting into the production end of the egg business, Hudson Brothers now receives for processing between 70-and-80 million eggs per year coming from 15 laying houses, each of which will accommodate an average of more than 15,000 laying hens. In

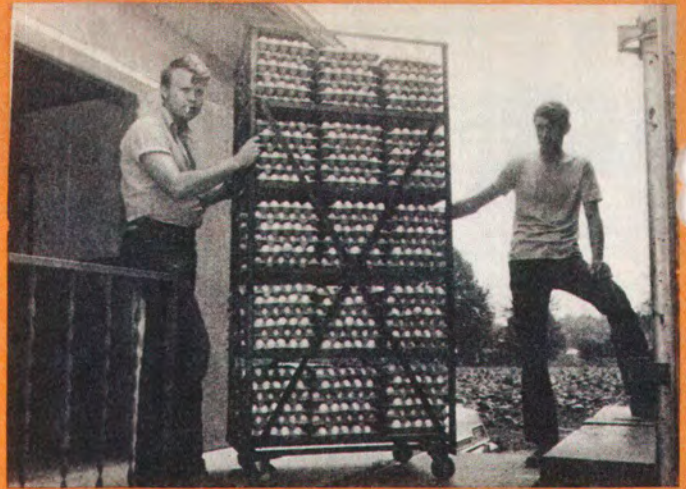


Two-deep nests run down both sides of the 410-ft.-long laying house. Eggs roll from the nests onto a nine-inch tray with a 7½-inch conveyor belt which carries eggs to central collection point.

the agreement between Hudson Brothers and individual farmers, the company is responsible for supplying the birds and all feeds while the individual farmers provide the laying houses and work rooms, including coolers, and all labor. The laying houses are approximately 410-by-40 feet and are completely automated, including feeders, waterers, belt con-



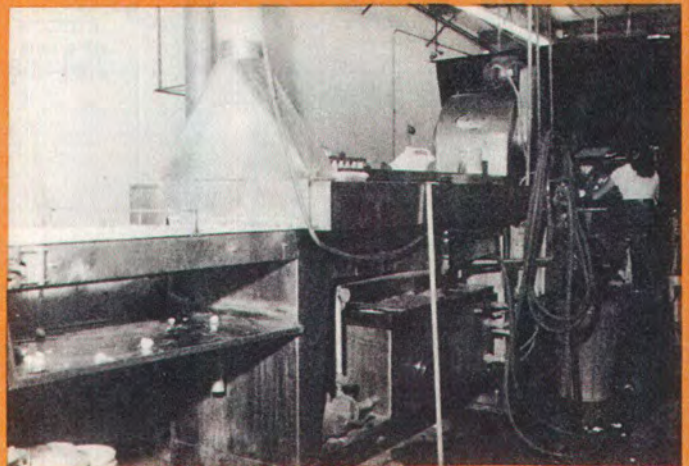
From left to right, John Ashby, General Manager of Hudson Brothers, Inc.; David Joiner, Consumer Services Representative of Cumberland Electric Membership Corporation; and Bill Hudson, partner in Hudson Brothers, watch employee lift eggs by vacuum at central collection station for placement on flats. Eggs will go immediately to cooling room, then to processing plant soon thereafter. Cumberland Electric provides the power for this sizeable electric load, including laying house and processing plant.



From laying house cooling room, eggs are transferred on this carrier, by truck, to processing plant a few miles away.



At processing plant, employee William Page lifts two dozen eggs at a time, by vacuum, from carriers onto rubber spool conveyor.

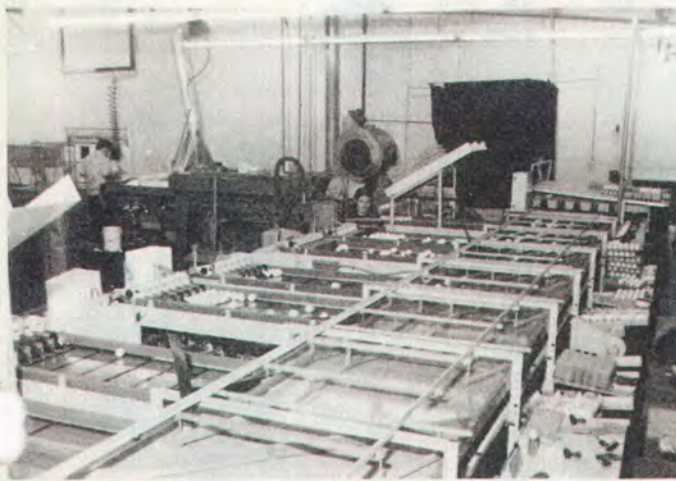


Through this portion of processing the eggs, from left to right, are conveyed through washing, sanitizing, drying and mineral oil mist covering on way to candling inspection at far right.

veyors to gathering stations and cooling. The birds are not caged and average about twice as much space per hen as with most caged laying systems. Production averages better than 70%. Eggs are gathered, on the average, three times daily, are stored in a cooler awaiting a three-time-per-week delivery to Hudson Brothers processing plant, located twelve miles northeast of Clarksville, Tennessee, near Guthrie, Kentucky.



This is the candling booth where employees Sharon Oliver and Sally Hudson remove all under-A-grade eggs.



After eggs pass through candling booth (black enclosure near top right) they pass over machine graders which size by weight. Eggs, separated into five sizes, are conveyed through unique gating system to the five automatic packers, one each for the five different sizes.



In foreground, Misters Ashby, Hudson and Joiner inspect the automatic packers which also automatically close, seal and date each carton of eggs. Packers are error proof.

The Hudson Brothers' operation is so well planned and electrically automated that one man in an 8-hour day can take care of 42,000 hens, this against 5,000 in 1958. Some 270,000 hens are kept in the 15 laying houses at all times. All hens in a

given house are replaced at the same time, this after an average laying life of approximately 65 weeks. Replacements are brought in at 20 weeks of age. Some three complete houses are replaced every eight to 10 weeks.

In order to keep this staggered replacement schedule in line, Hudson Brothers operates four growing farms to which one-day-old chicks are brought and raised until 20 weeks of age, at which time they are transferred to the laying houses.

Within minutes after each of the three-times-per-week deliveries from the 15 laying houses to the central processing plant, the eggs are placed in the plant cooler until processed less than 24 hours later. (At no time, from the time of laying until use by the ultimate consumer, are Hudson Brothers eggs touched by hand.)

The first step in processing is the lifting, by vacuum, two dozen eggs at a time, from laying house flats onto a rubber spool conveyor. While on this conveyor the eggs are run through a washer and sanitizing process and then dried by a high-velocity fan. Next they are conveyed through a mineral oil mist which coats the eggs and insures, if necessary, a long shelf life.

The eggs next pass through the candling booth where two employees remove the approximately 9% of all eggs which do not meet the company's high standard Grade "A" qualifications. Next comes the highly sensitive machine grader where the eggs are divided into five classifications according to weight. (The difference, for example, between "Large" and "Medium" would amount to three ounces per dozen.)

After the eggs are graded by weight, they are routed and conveyed through a unique gating system to one of five automatic packers, each of which can pack a total of 28 cases of eggs per hour, each case containing a total of 30-dozen eggs.

After the cartons are automatically filled, they are automatically closed, sealed and dated. Employees place the cartons into 30-dozen-capacity cases which are conveyed to the plant cooler where they are palletized by size and destination. Within very short intervals of time, 85% of the plant's production is delivered directly to store shelves by the company's five refrigerated trucks. In addition to Hudson Brothers own "Dixie Fresh" label, the company packs for at least six other major retailers in Tennessee and Kentucky.

Earlier in this story we noted that with all of its up-to-the-minute efficiencies, Hudson Brothers' profit-and-loss statement should be as favorable as any such agri-business operation under Phase Three. As Bill Hudson expressed it, "If we can't make it, especially owning our own milling business, then who can?"

Brother Jack Hudson, President of the company, pinned down the answer, and with eye-opening statistics: "In just one year, from mid-July 1972 to mid-July 1973, corn has gone from \$1.27 to \$2.47 per bushel, soybean meal has jumped from \$103.50 to \$280 per ton and meat scraps and bone meal has gone up from \$122 to \$240 per ton. These are the basic ingredients of the feeds which we put out to our birds to the tune of 12,000 tons per year. In the meanwhile, under Phase Three, the prices which our outlets can pay us and then retail our eggs under the price freeze has, in effect, amounted to a wholesale price freeze within itself.

"At best," continued Jack Hudson, "we vary from barely breaking even to losing money under Phase Three. No one, from the smallest one-man operations through our largest corporations can be expected to continue operations indefinitely under money-losing, impossible conditions. We are in need of some good news . . . and soon."

Uncle John's Page

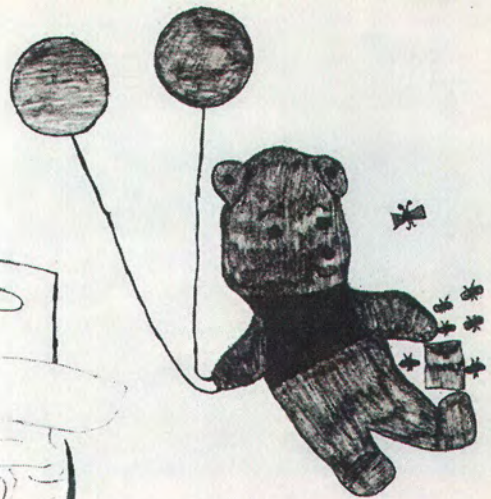
This page is reserved for the young folks. We will pay one dollar for each poem or drawing published. ALL WORK MUST BE ORIGINAL. Drawings should be in black, and drawn on white, unlined paper. Tell us your age, address, and Electric Co-op, and

Send all items to:

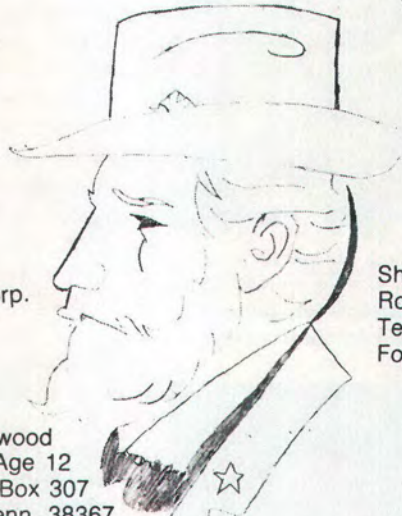
UNCLE JOHN, The Tennessee Magazine
710 Spence Lane, Nashville 10, Tenn.



Joey Morgan — Age 13
Route 1
Hilham, Tenn. 38568
Upper Cumberland Electric Memb. Corp.



Sherry Kirkland — Age 10
Route 2
Tellico Plains, Tenn. 37385
Fort Loudoun Electric Cooperative



Keith Leatherwood
Age 12
Route 2, Box 307
Ramer, Tenn. 38367
Pickwick Electric
Cooperative



Larry O. Person — Age 13
Route 1, Box 117-A
Oakland, Tenn. 38060
Chickasaw Electric Cooperative



Darrell Pack — Age 12
Route 2
Smithville, Tenn. 37166
Caney Fork Electric Cooperative



Charlotte Stewart — Age 13
Route 1
Sneedville, Tenn. 37869
Powell Valley Electric Cooperative

**BUILD
ON YOUR LOT**



\$18,500.00

100 Outstanding Home Plans
for Gracious Southern Living
Over Twenty Years Experience
as Residential Home Builders.

Name _____
R.R. or Street Address _____
Post Office _____
Your Community _____
Phone _____
I Own A Lot _____ I Can Get A Lot _____

**JERNIGAN & ASSOCIATES,
INC.**
1303 Gallatin Road North
Madison, Tenn. 37115

MAGNIFYING GLASSES



A Blessing For Folks Over 40

Read newspaper, telephone book, Bible and do close work easily. SEE CLEARER INSTANTLY. Not Rx or for astigmatism or eye diseases. 10 day trial. Sturdy, good-looking. Glass precision ground and polished; metal hinges. Send age, sex. SATISFACTION GUARANTEED. On arrival pay postman \$4.95 plus C.O.D. or send only \$4.95 and we pay postage. PRECISION OPTICAL CO., Dept. 242-C Rochelle, Ill. 61068

Get rid of all ROACHES
and WATERBUGS with



SURE KILL

Or You Pay Nothing



Roaches eat Sure Kill greedily and return to their nests which they contaminate, starting a chain reaction that wipes out all other roaches and eggs.

Sure Kill never wears out, is absolutely odorless and safe to use. It contains no D.D.T. A single can cleans out six rooms and keeps them free of roaches and waterbugs for five years. Money back guarantee. Send just \$3.98 for one can, two for \$6.98 postpaid.

FOX ENTERPRISES

Box 211

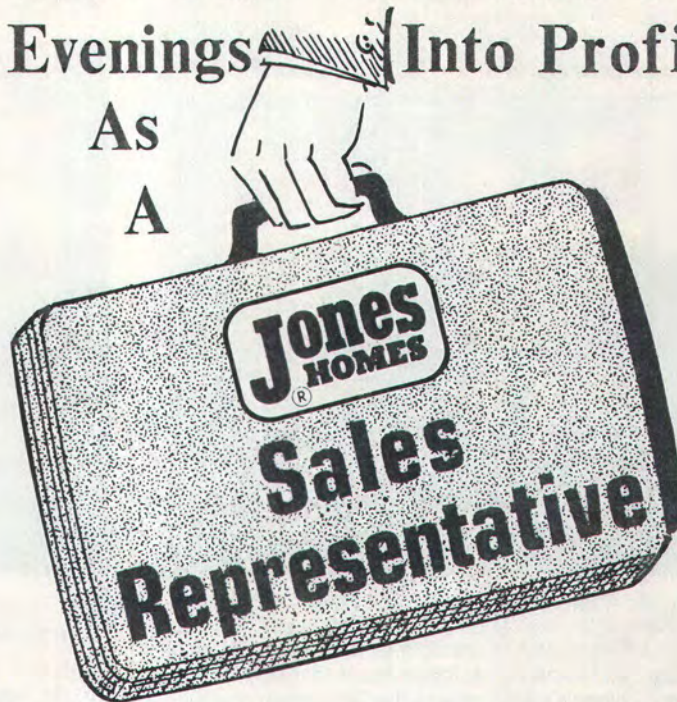
MARION, KY. 42064

Mfr. and Distr.

**Turn Your Weekends &
Evenings Into Profit**

As

A



Earn \$6,000. to \$15,000. Part-Time

South's leading home builder needs part-time sales people for exciting new division. You can earn between \$6,000. and \$15,000. annually selling our beautiful homes right in your own area. No investment required. Complete training provided. Turn your evenings and weekends into profit by selling Jones Homes — backed by 26 years of proven quality workmanship and design.



P. O. Box 1
Hendersonville, Tenn. 37075
615/ 824-6534

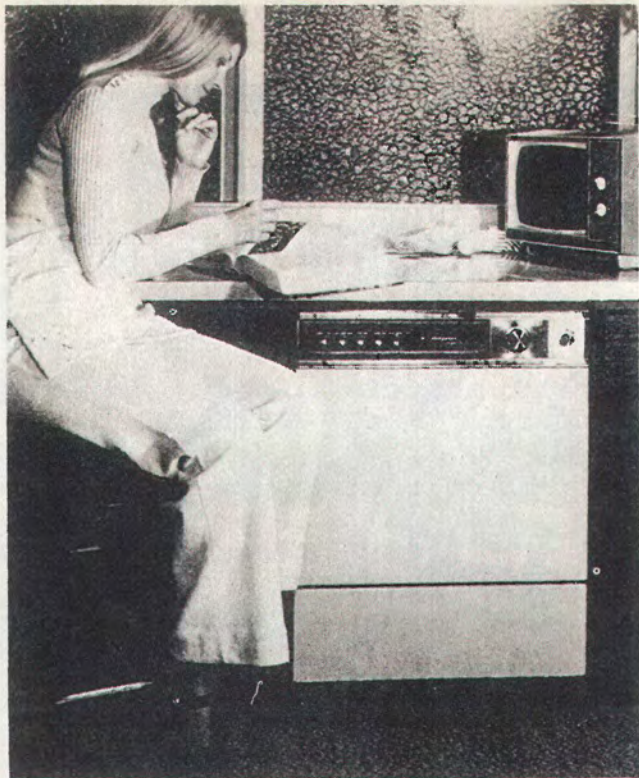
Yes, I am interested in becoming a part-time sales representative for Jones Homes! Please send complete information immediately. **TM- 8 - 73**

Name _____

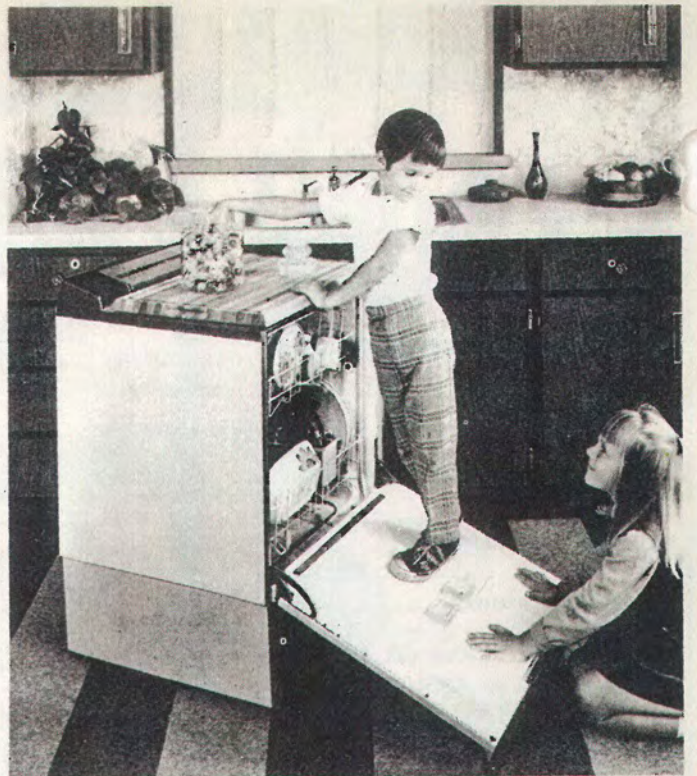
Rural Rt. or Street _____

City _____ State _____

Zip code _____ Phone _____



From the left: A built-in is just what the name implies. It is installed under a counter, and is permanently connected to water and electricity. A portable eliminates installation expenses. This model has safety-release feature on door which allows it to open all the way to the floor when unusual pressure is applied. Opposite page: A convertible model is portable at purchase, but is designed with removable cabinet and casters so that it may be built in at a later date. If you anticipate moving or remodeling, this type is your choice. The chopper block top of these models provide extra counter space.



A homemaker can spend 52 eight-hour days a year washing dishes by hand. With a dishwasher, this time can be spent with family and friends or on a favorite hobby and pastime that would be much more enjoyable.

Children can be taught to put their snack dishes directly into the dishwasher. Baking during the day doesn't require extra time for cleanup. Mixing bowls and utensils can be placed directly into the dishwasher to be held until a full load is accumulated. Fine china and crystal is less likely to be broken in the dishwasher than when washed by sudsy hands.

Most important of all, dishes are washed in hotter water and stronger detergent than hands can stand. Also, they are dried automatically in a more sanitary way.

Before buying a dishwasher, weigh the advantages of features, performance and capacity. Read the fact tags, ask the salesman, talk to friends, look at specifications. Do not assume that any model has all the features required.

Loading is a personal thing because it is your dishes which must be washed. If there are many odd-shaped items, flexibility of rack arrangement is important.

Quiet operation is one of the most desirable features in a dishwasher. There are a choice of four types of dishwashers:

1. Top opening portable.
2. Front opening portable, including the type which may be converted to a built-in.
3. Built-in.
4. Under-sink built-in.

Portable top opening models requires the smallest overall space, the least space when being loaded or unloaded since this is done from the top, and require bending for access to bottom of dishwasher. The design of a top rack is a factor to look for. Some lift up out of the way when the cover is raised. Others are folded up for access to bottom rack. This latter type of top rack is

A
dishwasher
makes
the
difference



loaded last, unloaded first. Loading capacity may be less than front opening models. Some convenience features may reduce overall capacity.

Special cycles tend to be used less often on portables since it must be rolled to the sink attached to faucet, etc. A regular cycle for mixed loads probably meets the need of most users. A short cycle may be desirable if user is willing to scrape and rinse dishes more than normally necessary before loading (This is a common practice when adding partial loads). A short wash saves water and time. A rinse aid feature is desirable in hard water areas where no household water conditioner is installed.

A solid rinse aid may be used instead. (This is true in all types of dishwasher.) A water take-off is desirable so hot and cold water may be obtained even though the dishwasher is connected to the faucet and operating (except during fills). This also functions as a pressure release when disconnecting hoses from the faucet. Look for:

- Convenient cord length with three prong grounding plug for safety.
- Cord storage—either automatic reel into dishwasher cabinet or provision for manual storage.
- Provision for moving dishwasher easily (handle).
- Provision for rolling dishwashers easily (casters).
- Switch to stop dishwasher operation if desired.
- Indicators to show portion of cycle in operation.
- Height if storage of dishwasher under counter is desired.

Portable front opening models are the same overall size as a built-in, except for the addition of the top. Many are designed to be converted to built-ins if the family moves or the kitchen is remodeled.

All features available on built-ins may be had in front-opening portables. Thus, the convertible types have all the advantages of the portables during their use as such as of built-ins when converted.

Buying decisions should be at least partly based on whether the dishwasher is planned to be used only as a



portable, or converted to a built-in some time later.

Since this type is loaded from the front, upper and lower racks pull out across the door. More space in the kitchen is required to use this design than in the case of top loading portable. Racks are easily accessible for loading and unloading in front. Rack design tends to permit loading of more items than in top load portables. Look for:

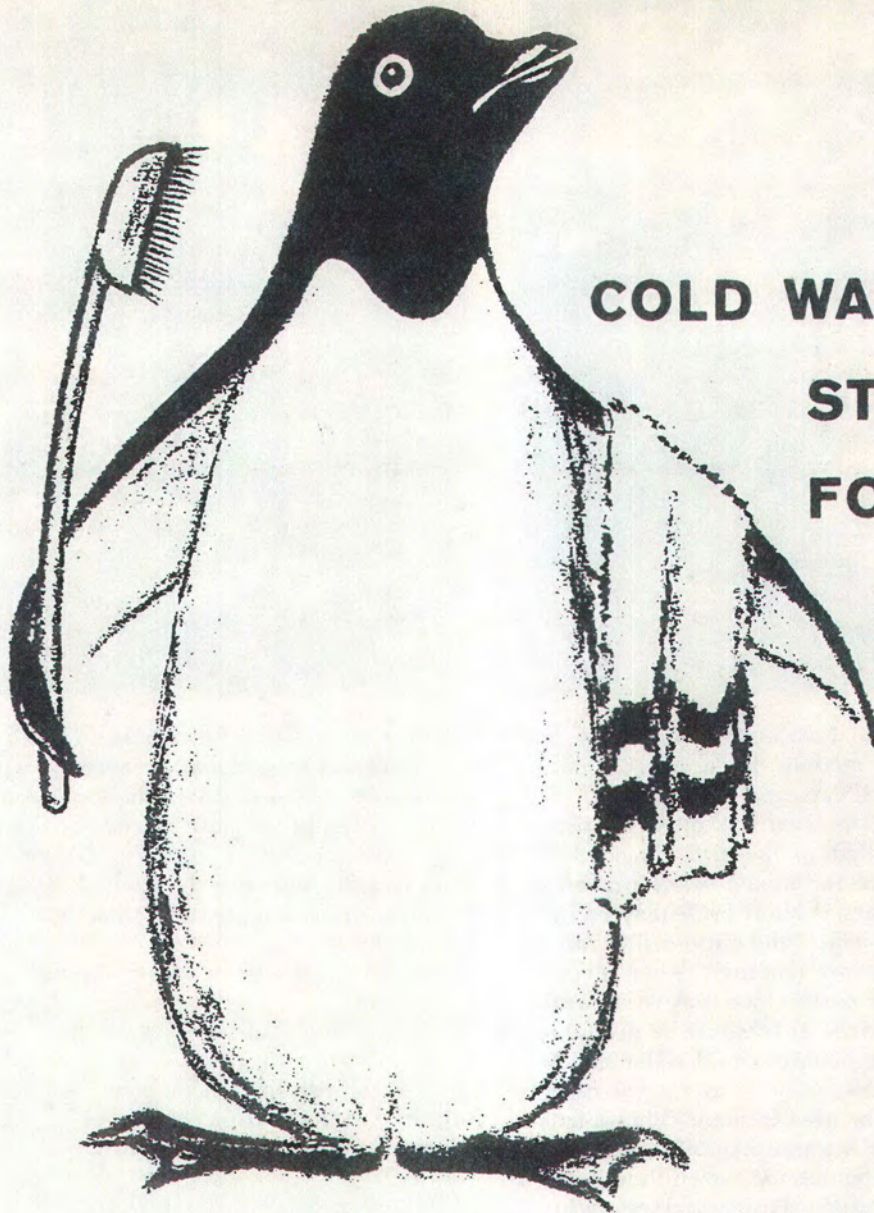
- Device to provide stability when loaded racks are pulled out.
- Adjustable upper rack to provide flexibility in loading.
- Provision for raising water temperature if water supply is below 140 and 150 degrees.
- Control to limit amount of water entering dishwasher.
- Dispenser for automatically dispensing detergent in proper portion of the cycle.

General advantages of portable dishwashers are: Easy mobility. No plumbing installation required. And practical for people in rented homes, apartments, seasonal homes, and older homes.

Built-in is generally the most convenient type to use, since once installed it operates without further connecting and disconnecting. It is also the quietest type since surrounding cabinets help muffle sound of the water action.

Convenience features tend to be used frequently because the dishwasher is permanently connected. Ask about drying system. It should deliver temperatures that will dry dishes yet permit a minimum of moisture to escape into the kitchen. Look for:

- Racks that pull all the way out so that back sections are easily accessible.
- Automatic cycle to rinse partial loads and then reset the timer for a regular cycle.
- Special scrubbing cycle for pots and pans.
- Special gentle cycle if you have fragile dishes.
- Short wash if you like to rinse and scrape dishes thoroughly before loading.



**COLD WATER IS
STRICTLY
FOR THE
BIRDS**

... and some people. Not you though and not your family. You like to settle down into a tub-full of tingly, warm water and relax your cares away.

What you need is an automatic electric water heater. You'll have hot water ... all the time ... any time ... every

time. Plenty for dishes and laundry, too.

Your appliance dealer has the right size, right price automatic electric water heater to fit your household needs. See him soon and you'll never have that brrrr feeling again.



ELECTRICITY—the heart of modern living



Timely Topics

Preemergence Weed Control In Soybeans

A postemergence weed control program could mean several extra bushels of soybeans per acre for you this year — especially if you did not use a preemergence herbicide or if your preemergence did not control all of the weeds.

This advice comes from Elmer L. Ashburn, assistant professor of plant and soil science, University of Tennessee Agricultural Extension Service.

"The timing of preemergence herbicides is very important," says the weed control specialist. "It should be applied when the weeds are one to two inches high. At this stage, the weeds are easy to kill and the herbicide can be directed on to the weeds with minimum injury to the soybeans."

Chloroxuron ("Tenoran") is effective primarily on broad-leaved weeds, such as cocklebur and pigweed, he continues. Apply the material as a directed spray when the soybeans are about four inches tall and the weeds less than two inches. Use a surfactant at the rate of 0.5 per cent by volume.

If cockleburs are a problem when the soybeans reach five to six inches, a directed spray of dinoseb ("Premerge" or "Sinox P.E.") will do a good job if the weeds are small enough to be covered with the spray. To avoid crop injury, apply the spray no higher than one-half the height of the soybeans.

If cocklebur, morningglory, and other broadleaved weeds are still a problem when the soybeans reach a height of eight inches, a directed spray of 2,4-DB ("Butoxone SB" or "Butyrac 175") will provide effective control if the weeds are small enough to be covered with the spray.

The 0.2 pounds of 2,4-DB per acre currently recommended will not effectively control pigweeds, ragweeds and other broadleaves weeds above three inches high, says Ashburn. Do not allow spray to contact the soybeans more than four inches above the soil surface.

"For further control of annual grasses

and small broadleaved weeds, you can apply either linuron ("Lorox") or paraquat ("Paraquat") when the soybeans are eight inches tall," adds the specialist. "You should use a surfactant with each of these at the rate of 0.5 per cent by volume. Direct the spray so that it does not contact the soybean more than three inches above the soil surface."

Build Outdoor Deck For Fun, Property Value

Outdoor decks can be a lot of fun, as well as add to the value and beauty of your home. The key is proper planning and durable construction, says George F. Grandle, instructor in agricultural engineering with the University of Tennessee Agricultural Extension Service.

"Before beginning any construction, it is important to check on local building codes for requirements or restrictions that might apply to your proposed construction," he advises.

The next step is to plan the deck carefully with the legal requirements in mind, he continues. Make a preliminary scale drawing of the entire outdoor area — this will help insure the proper size and location of the deck.

Evaluate your plan for traffic pattern, entertainment area, storage, and outdoor cooking. The deck should have convenient access from the kitchen and family room. It should be protected from strong winds and excess sunshine.

"Be sure the deck will be safe," cautions the engineer. "Be sure the structural members will support the load. Lumber weighs 30 to 35 pounds per cubic foot and the structural parts will have to support the floor, as well as the people and objects on it. Use hand rails where needed. Be conservative in using offsets and breaks in the floor pattern."

When your detailed plan is complete, submit it to your local building inspector for a check. And when in final blueprint form, submit a request for your building permit.

"The next step is to build your deck," says Grandle. "You may want to build it

yourself or you may engage a contractor. Select a reputable builder and get the terms of the contract in writing."

If you do your own work, you will have to buy the materials and buy or rent the tools you don't already have. Power tools can save a lot of work and usually save enough labor to offset the rental cost.

Preservatives Add Years to Lawn Furniture

Years can be added to the life of wooden outdoor furniture by treating it with a wood preservative, suggests John B. Sharp, professor and leader of forestry, University of Tennessee Agricultural Extension Service.

Many homeowners have a considerable investment in wooden picnic furniture, swings, and other outdoor accessories, says the specialist.

Two excellent materials for preserving wood are pentachlorophenol, often called "penta", and copper naphthenate, advises Sharp. They are easily applied and can be obtained at local hardware stores, paint shops or lumber yards. They are sold under various trade names in concentrated or ready-to-use forms. The label gives the contents and directions for use.

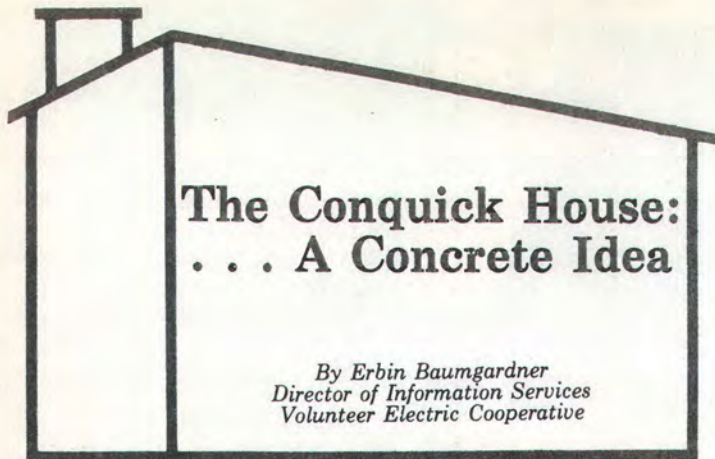
If a large quantity of the preservative is needed, it is cheaper to buy the concentrate and mix it with a carrier, continues the specialist. Varsol is a good carrier because it is clean, non-greasy and inexpensive. It is available at many service stations. The wood must be dry when the preservative is applied.

All wood in constant contact with the soil is subject to rot, says Sharp. However, the heartwood of cedar, cypress, black locust, osage-orange, mulberry and redwood will resist decay longer than others. The sapwood is soon destroyed by rot in most species.

Your county Extension agent has more information on preserving wood.



EARN MONEY FAST
Earn BIG PROFITS in your spare time selling new Lifetime Metal Social Security Plates. Beautifully colored, complete with 2 pocket carrying case. Sells on sight!
SEND FOR FREE SAMPLE & SALES KIT NOW!
No Investment or Obligation
ANCHOR SPECIALTIES CO.
Box 3958 T2 N. Providence, R.I. 02911
MAKE \$1 PER SALE



The Conquick House: ... A Concrete Idea

By Erbin Baumgardner
Director of Information Services
Volunteer Electric Cooperative

Imagine a house that can be built in 48 hours, durable enough to withstand scorching heat, subzero temperatures and hurricane-like winds, virtually maintenance free, attractive, and yet modestly priced.

Impossible?

Well, two young Spring City, Tenn., entrepreneurs are making headlines in East Tennessee and in the southeast with an innovated concept in housing that may equal the post World War II Levittown, N.Y., development.

Bill Robinson, son of Spring City druggist, Mr. and Mrs. W.C. Robinson, and Dennis Whitfield, brother-in-law, are heading up RW Industries which will construct the unique total concrete Conquick houses. Robinson, an engineering graduate of the United States Military Academy at West Point, is now enrolled in the University of Tennessee School of Agriculture, where he expects to complete work for this degree next year. Whitfield, of Dayton, Tenn., is a recent graduate of UT, where he majored in marketing.

RW is the first licensee of the Conquick Home Building System developed by Gray Tech Industries, Inc., of Mohnton, Pa.

"We first learned of the process from a Wall Street Journal article last December," said Whitfield, whose prime interest is in marketing a total low-cost, high-quality housing package. Robinson and Whitfield immediately contacted Gray Tech, relating they'd like to be the first in the nation to be franchised.

"I felt it was a real challenge to take a new concept, something that no one else has done, and build from the ground up," Whitfield said.

In March a large semi-truck bearing huge metal forms pulled into Spring City, unloading its peculiar cargo on a side street where a site had been cleared and a concrete slab poured. In ensuing days, the forms were hoisted into place around the slab and workmen meticulously tied together concrete reinforcement rods over the forms.

On a cloudy June afternoon, a steel hulk that resembled a house squatted in the middle of a field trampled by news reporters and TV cameramen, who anxiously waited for the roar of the first of a caravan of concrete trucks.

In succession the trucks appeared, spewing the 40 yards of concrete into the sandwich-type molds at a rate of 20 cubic yards an hour, creating three walls and a roof of a 1083-square foot, two bedroom home. In another afternoon, the fourth wall would be added.



Thus was created the first franchised Conquick house in the nation.

The concept isn't new, says Whitfield. "It's been used in the commercial market several years for parking lots, large office buildings and interstate highway bridges."

What is new, Whitfield explains, that this is the first time the concrete concept has been applied to housing with reusable, easily transported, uniform steel molds.

In other precast methods of building, Whitfield said, plywood wall forms are constructed on the ground, the concrete is poured into the forms, the forms then must be broken away from the dried concrete, and finally the finished wall hoisted into place with a large crane.

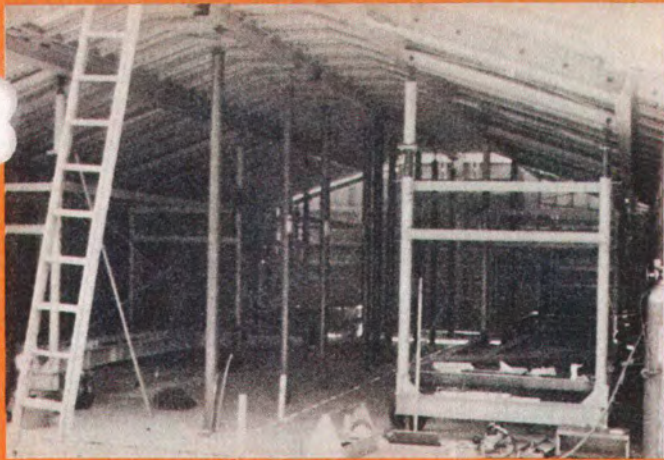
"We eliminate many of these steps in our process," said Whitfield. "The Gray Tech reinforced steel forms are erected, the concrete poured into the mold, and the forms removed."

The forms can easily be transported to the next building site and the process repeated in a period of 48 hours.

Whitfield said the Conquick idea differs from the modular home concept in that modulars are built at a central factory and transported to the homeowner's lot. "We take the factory to the site," he said.



Concrete is dumped from truck into machine which pumps mixture into wall molds and onto roof.



Three walls and roof are ready for pouring in about four hours from the time casting units are moved onto the slab. Note reinforcement rods on side wall and blockouts for door and window. Outside wall form is on ground, ready to be positioned.

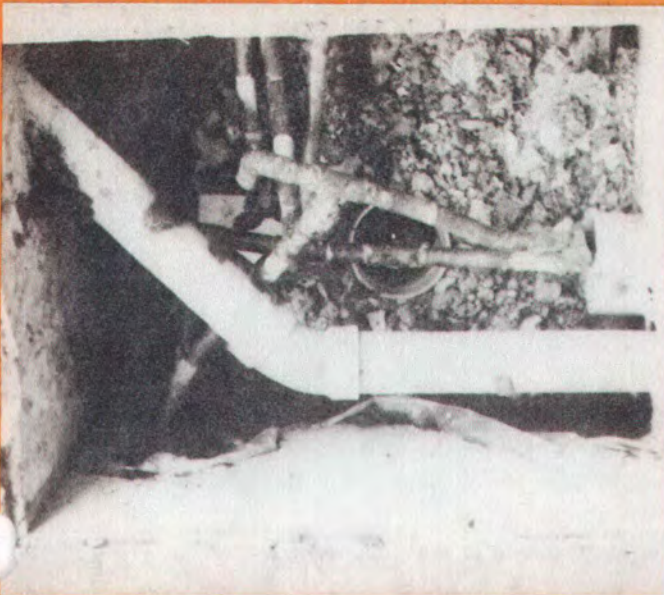
Whitfield explained the details in building a Conquik home:

The first step in construction is pouring a foundation and floor slab. The slab contains all plumbing lines, protected by plastic tubing. After the slab has hardened, a pair of specially designed mobile units with "built-in" mechanically operated metal concrete forms arrive at the job site.

The inner forms are wheeled onto the floor slab and positioned by a simplified system of screwjacks. Reinforcement and roof deck insulation are put in place while workmen position the outer forms and lock the entire assembly together. This building technique will result in a crack resistant, monolithic type structure with a solid beam of concrete running through the highest point in the roof.

Door and window blockouts are attached to the forms. A variety of floor plans can be made by using the flexibility of the door and window blockouts, which can be arranged anywhere in the wall forms.

Plumbing is run in plastic pipe through concrete floor slab, accessible through opening in kitchen and bathroom.



Strips and smaller blockouts are also attached to the hollow spaces in the forms for electrical and ventilating conduits.

With all forms in place, concrete is poured into the three walls and onto the roof from a special concrete pumping machine. The pouring starts at one corner and continues around the structure, gradually filling up the forms by making two or three passes. On each pass the pump handler is followed by a workman using an electric vibrator to agitate the concrete, increasing settling time.

After the pouring, it takes 24 hours for the concrete to harden. The roof support equipment is removed from the interior and the fourth wall form is erected and poured.

Whitfield said no interior walls are needed for structural support. Room arrangements are limited only by the previously located plumbing fixtures for bathroom and kitchen. The interior walls, covered with a vapor barrier, urethane insulation and gypsum board, all held in place with strong adhesives, are dry-wall finished. Paneling or wall board may be attached to steel studding to form the room dividers.

Several possibilities for breaking up the "block image" of the exterior include using form liners to produce texture patterns of board and batten, lap board or brick.

With the model home completed, which Whitfield and his family intend to occupy to "get the feel of the product I'm selling," construction of 83 total electric Conquik homes in a 170-acre development in the Volunteer Electric Cooperative system, is now under way.

Whitfield feels the market is right for his houses. "We can build an average size house for about \$20,000. For around two thousand more we can furnish it."

In discussing housing costs, RW feels they have a corner on the market.



The inner forms, wheeled onto the floor slab and positioned by a simplified system of screw-jacks, hold roof forms in place and will be removed after house is poured.

(Continued on page 22)

WASHINGTON YOUTH TOUR 73

Members of the 1973 Tennessee Rural Electric Cooperative Youth Tour witness the famous changing of the guard at the Tomb of the Unknown Soldier in Arlington National Cemetery.



In mid-June, 65 of Tennessee's finest high school seniors, 16 chaperones and officials, plus two Continental Trailways drivers led a hearty Volunteer assault on our nation's capital during the 1973 Rural Electric Youth Tour sponsored by participating electric cooperatives.

The trip included visits to the famous

Continued on p. 20

Tennessee Senator Howard Baker chats with Tour Director Lofton Robertson and Miss TECA, Pamela Neese at the congressional breakfast given for the group to give them the chance to meet many of their elected officials.



Does your home or barn need re-roofing
PAINT ON A NEW ROOF



Image Fibrated Asphalt Aluminum



\$ 2.90
 per gal.

**IN 20 GALLON
 CONTAINERS**

Check What Amazing Fibrated Aluminum Will Do!

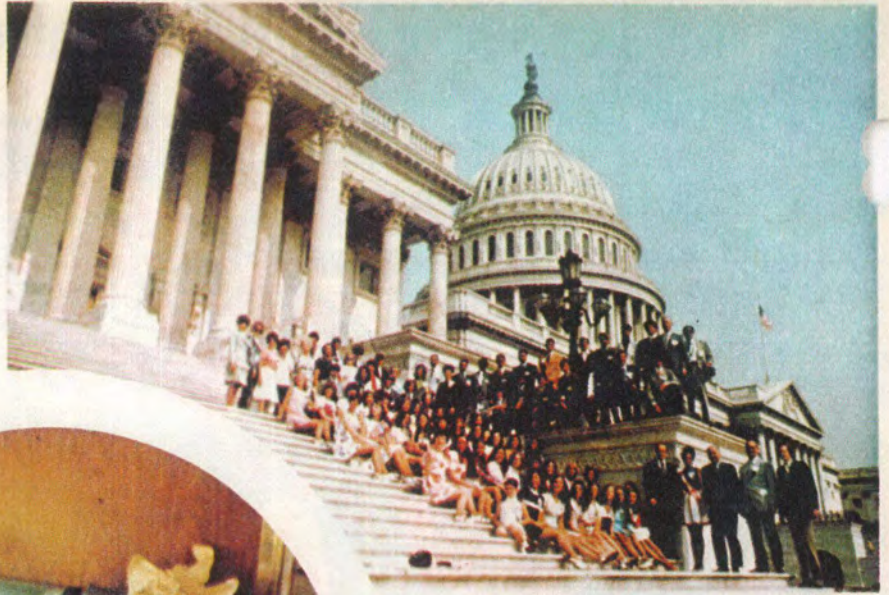
- Stops leaks and prevents moisture from getting through.
- Apply on composition, tin or other roof material.
- Reflects 80% of sun's rays.
- Insulates and reduces interior temperature by 15 degrees.
- Does not dry out and crack.
- Prevents drying out of asphalt.
- Long lasting - Wears for years.
- Replacement or refund guaranteed if not as advertised.

Buy it in 20 Gallon Containers!

Available at your nearby Tennessee S & T Store:

- | | | | |
|--|---|--|---|
| ATHENS
McMinn Sup. Co. S&T | ERWIN
Liberty Lbr. S&T | LAFOLLETTE
Smith Hd'we. S&T | RED BOILING SPRINGS
Witcher Hdwe. S&T |
| BRISTOL
Gentry Furniture Co. S&T | ETOWAH
Etowah Bldg. Ctr. S&T | LAKE CITY
Cooper Sup. Inc. S&T | ROCKWOOD
Bowman Evans Hdwe. S&T |
| CARTHAGE
Woodard Bros. S&T | FRANKLIN
Handy Hardware S&T | LEWISBURG
Lambert Lbr. Co. S&T | ROCKWOOD
Scandlyn Lbr. Co. S&T |
| CHATTANOOGA
Chickamauga Sport Shop S&T | GALLATIN
Durham Mfg. Co. S&T | LIMESTONE
Limestone Hdwe. S&T | RODGERSVILLE
Liberty Cash & Carry S & T |
| CHATTANOOGA
Stone Bros., Inc. S&T | GREENEVILLE
Collins Furn. & Hdwe. S&T | LIVINGSTON
Simcox & Copeland, Lbr. S&T | SHELBYVILLE
Martin Price Hardware S&T |
| CLEVELAND
Robinson Supply & Furn. S&T | GREENVILLE
Mercer Bldg. Supply S&T | MANCHESTER
Powers Farm Store S&T | SMITHVILLE
Pack Plumbing & Electric Co. S&T |
| COLUMBIA
Central Lime and Cement Co. S&T | HARRIMAN
Christmas Lbr. S&T | MORRISTOWN
Morristown Supply Co. S&T | SNEEDVILLE
Sneedville Elec. S&T |
| CROSSVILLE
Cash Home Center S&T | HARRIMAN
Gooch Hdwe. S&T | NASHVILLE
Hart Hdwe. S&T | SOUTH PITTSBURG
Howard Horn S&T |
| DAISY
Floyd Hdwe. Co. S&T | HARRIMAN
Scandlyn Lbr. Co. S&T | NASHVILLE
Inglewood Hdwe. S&T | SPARTA
Sparta Wholesale Bldg. Sup. S&T |
| DAYTON
Robinson Bldg. Ctr. Inc. S&T | JAMESTOWN
Potter Shop. Ctr. S&T | NEWPORT
Helm Lbr. Co. S&T | SPRING CITY
Rhea Scandlyn Lbr. S&T |
| DECATUR
Rockholt's, Inc. S&T | Allred & Potter Furn. Sales S&T | NORRIS
NAGAF Hdwe. & Bldg. Sup. S&T | SPRINGFIELD
Woodard Hdwe. Co. Inc., S&T |
| DICKSON
Nicks Hdwe. Co. S&T | KINGSTON
Geo. W. Browder & Son S&T | OLIVER SPRINGS
Scandlyn Lbr. Co. S&T | SWEETWATER
Western Auto Assoc. Store S&T |
| DOVER
Fox Bros. Bldg. & Sup. Co. S&T | KINGSTON
Scandlyn Lbr. Co. S&T | ONEIDA
Scott Food Inc., Hdwe. Div. S&T | TAZEWELL
Ball Hdwe. S&T |
| DYER
Western Auto Store S&T | KNOXVILLE
Sevier Hdwe. & Variety S&T | PIKEVILLE
Sells Bldg. Supply Inc., S&T | WARTBURG
Kennedy Bldg. & Supply S&T |
| | LAFAYETTE
Macon Hdwe. & Sup. S&T | PORTLAND
J. E. Kerlev & Son S&T | WESTMORELAND
Geo. Carter Hdwe. S&T |

Clockwise from right: The whole group takes a breather on the steps of the Capitol building and poses for this shot — Attending Sunday morning services at the little outdoor chapel in Natural Bridge, Virginia, Tour Director Lofton Robertson leads the group in singing — At the gala festivities given by N.R.E.C.A. for the kids, everyone had the chance to dance, play games and swim at the Marriott Hotel — And, of course, the return trip home finds Marion Ridley (left) and Eddie Chapman completely worn out following a week of fun, frolic, and education in our nation's Capital.



Natural Bridge formation in Virginia, Thomas Jefferson's home, "Monticello", George Washington's home, "Mount Vernon", and many points of interest in Washington — the White House, Capitol building, and Smithsonian Institute to name several.

The youths were treated to a cruise up the Potomac River, complete with four-piece combo and had the opportunity to wave at President Nixon who just happened to be cruising down the river!

At the N.R.E.C.A. Youth Day ceremonies on June 13, our young people met with the young representatives from 20 other states and heard Senator Edward Kennedy speak on youth's role in today's government.

But when the time came for the return trip home, many of the students were overheard to say that they wished the tour would last for another month — an outstanding indication that the 1973 Washington Youth Tour was a rousing success!

MAGNIFYING 1/2 FRAME GLASSES



See SHARP and CLEAR for reading fine print and doing detail work, yet get regular non-magnified vision over top of lenses. Durable, impact-resistant ground lenses. For folks over 40 without astigmatism or eye disease who simply need magnifying lenses. \$4.98 includes case. Add 45c postage. State age.

NEL-KING PRODUCTS, Department TG-83HG
811 Wyandotte Street, Kansas City, Mo. 64105

RUPTURED ?

Superb quality chamois leather & velvet trimmed supports. Variable pad position to suit YOU. Hygienic, washable like trunks. Gives full freedom of movement. Choice of pad size. Easy adjustments. Slips on Supplied on FREE TRIAL. No cash deposit asked. You pay when satisfied. Send for details of this and full range of other supports from U.S. office of leading English Manufacturers.



SUPERB
light weight luxury
SUPPORT
from England
SLIPS ON LIKE TRUNKS
Available on FREE TRIAL

Free Catalog

Grow full-size apples, peaches, pears, cherries on famous dwarf-size trees.

Send for Stark Bro's new free catalog, 400 varieties of fruit trees, shade trees, shrubs, roses — including famous Stark dwarf-size fruit trees that produce full-size apples, peaches, pears, cherries in your home fruit garden. Catalog shows you six places in your yard to plant dwarf-size trees.

Earn Extra Money
Check block below for free kit if you're interested in earning extra money part-time or full-time as a Stark salesman.



Stark Bro's, Box A10383
Louisiana, Mo. 63353

FREE CATALOG

Stark Bro's Nurseries
Box A10383 Louisiana, Missouri 63353

- Send me your Free Catalog and special offer on early orders.
- If you're interested in earning extra money as a Stark salesman, part-time or full-time, check this block. We'll mail you a free kit.

Mr. _____
Mrs. _____
Miss. _____
(Please print)

Address _____

City _____

State _____ Zip _____

WANT TO MAKE

Let us show you how to begin AT ONCE... full or spare time. Many report \$10 to \$50 PROFIT FIRST HOUR! Nothing to buy, no salesman will call. EVERYTHING NEEDED SENT FREE including BEAUTIFUL SAMPLE!

Write: **Russell Products Co.**
DEPT. F 82 COLUMBIA, TENN. 38401

some easy money?

FREE

In your spare hours...

PROFITS-A-PLENTY

...the Miles way

Extra time? Earn extra cash. Pay yourself \$12 per hour. Build a Miles Precut Home. Do it yourself and save thousands. No need to save cash for big down payment. Build it and pay yourself, instead. No need to pay high labor costs. You save on labor, materials and time. Payments are less because you owe less. Free delivery. Write now!

PLEASE RUSH ME YOUR FREE CATALOG ON MILES BUILD IT YOURSELF HOMES



Name _____

Address _____

City, State, Zip _____

Precut MILES HOMES

Suite, 1121, 100 N. MAIN, Memphis, TN 38103
There is a Miles local representative in your area

WHY PAY RENT, BUILD A MILES HOME



A Ring of your choice OR Cash for selling or buying only 6 boxes of Rosebud Salve, 6 boxes of Tholene menthol Salve, 6 bottles of Vivian Perfume (with Myrrh), 6 bottles of Bouquet No. 3 Perfume (with Jasmine) at 75¢ each. Order must total \$4.50 worth of products. Canadians, write for Special Offer. Give Zip Code No. Company estab. 1895.
ROSEBUD PERFUME CO. BOX H83 WOODSBORO, MARYLAND 21798

free

ALDENS new 268-pg. Fall & Winter Catalog



Act now! Clip this coupon and be ready for an exciting shopping season ahead! You'll find thousands of money-saving fashions, home furnishings, all shown in glorious color, inside this catalog. Here's at-home shopping at its best, at Aldens where millions of families have saved with satisfaction since 1889.

Send to: Aldens, Box 5362,
Chicago, Ill. 60680

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

5698



(Cont'd from page 17)

"The cost of lumber is soaring," notes Whitfield. "Concrete is a universal product. It can be made of clay dirt, which is available anywhere. The last across-the-board increase in the cost of concrete was in 1969."

Whitfield also points out that it is less expensive to maintain a concrete house. "The house is virtually indestructible, fire resistant, not subject to rot, termites, or rodents, and the roof will never need shingles."

In preliminary tests by Gray Tech, Whitfield said the Conquik house maintained an 18 degree variance in temperature year around.

"In the winter with no heat, the home was 18 degrees warmer than outside and in summer with no air conditioning, the home was 18 degrees cooler."

Whitfield feels this is just the beginning for the Conquik concept. Gray Tech is developing forms to build multi-story, split-level and bi-level homes. The concept is ideal for schools, hospitals, office buildings, university housing and low income housing.

Conquik houses meet Housing and Urban Development and Farmers Home Administration approval.

Holders of the franchise for the major portion of the southeast, RW has had requests to build warehouses, stores and even a church.

But Whitfield says the new company is going to move slowly.

"We're still learning about the system and must know the limits of the concept.

"Our emphasis is on quality — more quality in housing for less money. And by today's building standards, up to now, a lot of people just haven't been able to afford quality housing.

Finished, attractively painted and landscaped within a week, the Conquik home is ready for occupancy. The durable home, complete with standard utilities, cost only \$13.50 to \$16.00 per square foot, depending on interior finishing.



PUZZLE CORNER

Last month, we gave you something a little different in the form of a puzzle — we simply asked for the word in the English language that contains three different sets of double letters in consecutive order.

Well, most people came up with the correct answer, which is BOOKKEEPER or BOOKKEEPING, although many people tried to give us TENNESSEE which is close, but not quite correct. We even had several MISSISSIPPI's which were also incorrect.

The winners, chosen by lot from all of the correct answers according to the State's three Grand Divisions were:

First Place: Kenny Rhea, Jefferson Avenue, Route 6, Church Hill, Tennessee 37642, a member of Holston Electric Cooperative — \$10.

Second Place: Mrs. Joe Hurt, Route #2, Halls, Tennessee 38040, a member of Forked Deer Electric Cooperative — \$5.

Third Place: Connie Haynes, Route #1, P. O. Box 414, Clarksville, Tennessee 37040, a member of Cumberland Electric Membership Corporation — \$5.

And now for the August puzzle:



For this month's puzzle, we will delve into a little Tennessee history to discover the chronological order of certain events in the past of our great state. From the five following events in our state's history, you are asked to place them in their proper historical order:

Davy Crockett elected to U. S. Congress

Nashville becomes State capital

Founding of Jonesboro, Tennessee

First use of the nickname "Volunteer State"

Tragic yellow fever epidemic in Memphis

Send your replies along with your name, address including zip code, and the name of your electric cooperative to:



PUZZLE CORNER
THE TENNESSEE MAGAZINE
P.O. Box 7232
Nashville, Tennessee 37210

MARKETPLACE

BUSINESS OPPORTUNITIES

AMAZING PROFITS! Sell beautifully colored Social Security Plates. No Investment! No Obligation! Sample and Sales Kit Free. Anchor, Box 3958-REP, North Providence, Rhode Island 02911.

50% PROFIT-NO INVESTMENT! Make Extra Money - Sell Lifetime Golden Metal Social Security Plates! FREE Sample and Sales Kit! McCraw Industries, Box 41 TM, Braden, Tennessee 38010.

AGENTS WANTED: Sell lifetime metal social security plates. Good profits, free sample. B&L Enterprises, 448 Powers Blvd. Waverly, Tenn. 37185.

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.

\$100.00 EXTRA Weekly Easy! Spare Time! Details, Beautiful Sample Free. RUSSELL PRODUCTS, Dept. B46, Columbia, Tennessee 38401.

LIVESTOCK

CALVES - CALVES - CALVES — 2 to 14 weeks old. All calves delivered on approval with a Veterinary health certificate. Must meet with your approval on arrival only. Minimum order 25 head. We deliver or you may pick your own. Call or write Bill Nolan vestock, Inc., Bonduel, Wis. 54107. Phone 5-758-8484.

INTEREST TO WOMEN

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.

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

FAT STOMACH, HIPS THIGHS? NEW! Spot reducing diet! Avoid one food. Pounds, inches, roll off. \$2.00 Hamiltons Box 233-753, New Ulm, Minn. 56073.

EARN \$15 to \$50 in spare time. No investment ever. (Not envelopes). Write for free details. No obligation. Leeco, 2807 Bel-Air, Marshall, Texas 75670.

MONEY RAISED Easily — Christmas and all occasion cards for individuals, organizations to sell. 1973 line at 1971 prices — Stylecraft Card Company, Dept. 5873, 5533 Troost, Kansas City, Missouri 64110.

GRANDMA'S simple sweet pickle recipe. Pickling points: Easy, Short Preparation. Delicious Flavor. Prompt Reply, \$1.00. RECIPE, 524 Central, Kirkwood, Missouri 63122.

REFRIGERATOR, FREEZER GASKETS, defrost timers, cold controls, relays. Range and Water Heater Units, thermostats, parts. Washer, dryer and dishwasher parts. Send Make, Cabinet model, 8¢ stamp for quote. MODWAY, Box 34PF, Brookfield, Ohio 44403.

AUCTION SCHOOLS

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

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

FOR SALE

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

PIANO & ORGAN SALE—Various Brands — Rentals. Fred Phillips, Shelbyville, Tenn.

GOSPEL PIANISTS: Add chords, "runs," progressions. Twenty lesson course, "Playing Evangelistic Style Piano," \$4.98. Evangelical Music, TM-1, Hawarden, Iowa 51023.

STAMP COLLECTORS — Packet of foreign stamps showing Rockets and Space subjects for 50¢. Capital Stamps, Box 14625-R, Baton Rouge, Louisiana, 70808.

\$100.00 BOTTLES: Do you know which ones? Cleveland's 1973 "Bottle Pricing Guide" lists, prices, cross-references 3,600. 1,250 pictured. Only \$5.95 postpaid. Guaranteed. Cleveland Supply, 320CAH Main, San Angelo, Texas 76901.

PLAY CHORD PIANO!!! You can in 10 days. Fabulous new chording technique unlocks secrets of rich, full chords. Learn to play "pop" tunes with right hand while left creates irresistible rhythm. You must be pleased with your ability to play or return within 10 days for full refund. Only \$3.98 postpaid. TIYLI MUSIC, Box 2032, Lower Burrell, Penna. 15068.

MISCELLANEOUS

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.

WILD GINSENG WANTED, Goldenseal, Mayapple, Squirrel tails. Summer prices on traps. Free list. Southeastern Fur Co., Rt. 2, Sumner, Ill. 62466.

GINSENG — GOLDEN SEAL — MAY APPLE WANTED: We are paying \$ 5.00 per lb. for Golden Seal Root, \$1.50 per lb. for Golden Seal Herb. \$.60 per lb. for May Apple Root. Send for complete Root Price List. MAGEE FUR COMPANY, EOLIA, MISSOURI, 63344.

WANT TO BUY Ginseng, Golden Seal, other Roots, Furs in Season. Write for prices, ASA FUR CO., CANALOU, MO. 63828.

PLANNING A MOUNTAIN VACATION in the Smokies? Rent a secluded 3-bedroom house, 18-hole professional golf course, swimming, tennis, fishing, hiking all included. For information and rates, contact: R.C. Ritscher, 1840 Twin Ridge Road, Lincoln, Nebraska 68506, 402-489-3540.

GINSENG, GOLDENSEAL, May Apple and other roots wanted. Write for price list. St. Louis Commission Co., Dept. 2, 4157 N. Kingshighway, St. Louis, Mo. 63115.

NASHVILLE FLEA MARKET — Tenn. State Fairgrounds. Sat. & Sun. August 25 & 26. 450 Exhibitors from 20 states. 3 Air Conditioned Buildings and Outside under the Sheds. BUY - SELL - TRADE or LOOK at the Nations Fastest Growing Flea Market. Free Admission and Parking. Fred Hicks, Jr., (615) 799-2912 or 799-8184.

FREE GIFT BOX! 1000 Deluxe, Gold Stripe, 2-color, gummed, padded Labels printed with ANY Name, Address & Zip Code. \$1.00. Lovely plastic Gift Box FREE with each order. World's best Label Offer. Money-back Guarantee. Order NOW!

1000 PRINTED PERSONALIZED LABELS \$1 ZIP CODE

HILL HOUSE, Box 3728, Kirkwood, Mo. 63122

PHOTO FINISHING

TEN COLOR BILLFOLD Photos only \$1.75. From your favorite color photo or negative. Twenty for \$2.95. Your photo or negative returned unharmed. Black and white billfolds 20 for \$1.25. Service takes four days in our plant. P.D.Q. Photofinishers, Box 15050-19, St. Louis, Mo. 63111.

126 KODACOLOR FILM developed. 12 Jumbo Silk Finish prints 98¢; 20 prints \$1.98. 15¢ postage per roll. With this ad. American Studios, Dept. TM-7, La Crosse, Wisconsin 54601.

INTRODUCTORY OFFER

FREE COLOR FILM 12 EXP. KODACOLOR or GAF color print film Developed & printed WITH FREE FILM \$1.79 20 Exp. and Free Film \$2.79

Add 21¢ postage

HOOSIER PHOTOS

Box 1268-T, Muncie, Ind. 47305

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

Every home a super receiver

ELECTRONIC MIRACLE TURNS YOUR HOUSE WIRING INTO A

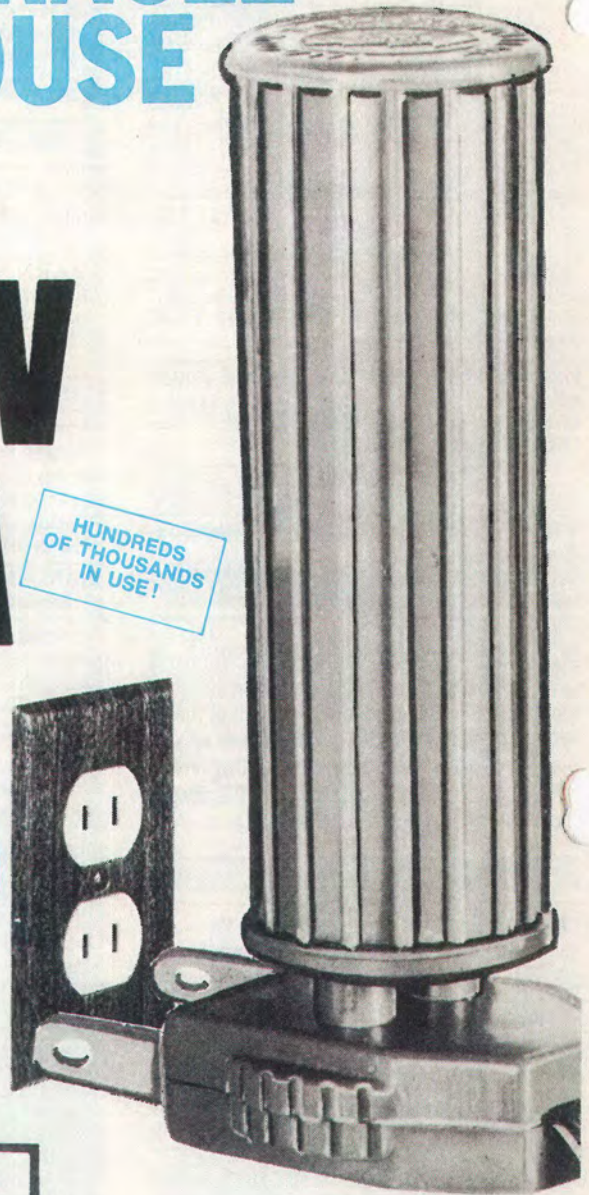
JUMBO TV ANTENNA

HUNDREDS
OF THOUSANDS
IN USE!

- uses no current
- plugs in to any outlet
- no special tools or additional material required
- no more rabbit ears... ugly outside antennas

only
\$1.79

**JAY NORRIS
WILL NOT BE
UNDERSOLD!**



**Utilizes all the wiring in your home
... every room a reception area**

Do you know that you have one of the greatest TV antennas ever constructed? It's better than any set of rabbit ears, more efficient than complicated external antennas. It's your house. Yes, the wiring in your home constitutes a giant antenna that acts as a super receiver for TV, FM, all kinds of difficult reception.

And the secret to using all this reception potential is an amazing little plug-in attachment that utilizes the receptivity of your house wiring without using a single bit of electrical power. Yes, you simply attach the adapter easily & quickly to your set . . . plug it in to any wall outlet and immediately your entire electrical system is working for you. No ugly looking rabbit ears, no difficult, dangerous to maintain external antennas, and reception so sharp and clear it will amaze you even in the more difficult areas. Order one for every set in your house, no interference from simultaneously operating sets. Only \$1.79. Full instructions included.

**BUY WITH CONFIDENCE —
MONEY BACK GUARANTEED**

Jay Norris Corp., Dept. SE0-12
25 W. Merrick Rd., Freeport, N.Y. 11520

Please rush _____ Indoor TV Antenna(s)
@ only \$1.79 plus 60¢ shipping and handling,
under your money back guarantee.

SAVE! Order TWO Antennas for only \$3.29
plus 80¢ shipping and handling.

SAVE MORE! Order SIX Antennas for only
\$10.74 plus \$1.00 shipping and handling.

Check or money order enclosed for total
\$ _____ (N.Y. residents add sales tax).

Name _____
(please print)
Address _____

City _____

State _____ Zip _____

©1973, Jay Norris Corp.

JAY NORRIS CORP. 25 W. Merrick Rd., Dept. SE0-12 Freeport, N.Y. 11520

Serving Satisfied Customers for over 25 Years