

JULY, 1966

Tennessee

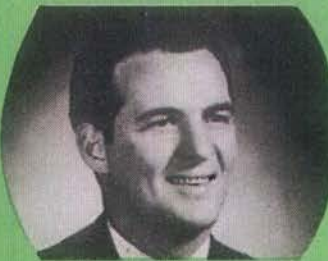
M A G A Z I N E

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TALENT is a 6-LETTER Word . . . WLAC-TV



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• Channel 5 news is all the news! A team of talent, each man with his respective gift for analyzing news, weather and sports, brought to you with the visual interpreta-

tion of Channel 5's award-winning photographers — all working together to make our audiences the best-informed people in the country!

COMPLETE JULY SCHEDULE WLAC-TV NASHVILLE

5:45-6:00 AM 6:00-7:00 AM 6:00-7:45 AM 6:30-7:00 AM 7:00-8:00 AM 7:00-8:00 AM 7:45-8:00 AM 8:00-9:00 AM 8:00-9:00 AM 8:00-8:30 AM 8:30-9:00 AM 9:00-9:30 AM 9:00-9:30 AM 9:30-10:00 AM 9:30-10:00 AM 10:00-10:30 AM	Form News—Mon. thru Fri. Summer Semester—Sunday Country Junction—Mon. thru Fri. Summer Semester—Saturday Singin' Time In Dixie—Sunday Eddie Hill Variety Show—Saturday Morning News: Weather—Mon. thru Fri. Heaven's Jubilee—Sunday Captain Kangaroo—Mon. thru Fri. Heckle & Jeckle (c)—Saturday Tennessee Tuxedo (c)—Saturday Heaven's Jubilee—Sunday Dobie Gillis—Mon. thru Fri. Mighty Mouse (c)—Saturday Pathers for Living—Sunday The McCays—Mon. thru Fri. Lassie—Saturday Camera Three—Sunday	10:00-10:30 AM 10:00-10:30 AM 10:30-11:00 AM 10:30-11:00 AM 10:30-11:00 AM 11:00-11:30 AM 11:00-11:30 AM 11:00-11:25 AM 11:25-11:30 AM 11:30-11:45 AM 11:45-12 N 12:00 N-12:05 PM 12:00 N-12:30 PM 12:05-12:30 PM 12:30-1:00 PM 12:30-1:00 PM 1:00-1:30 PM	Andy of Mayberry—Mon. thru Fri. Tom & Jerry (c)—Saturday Faith For Today—Sunday (c) Dick Van Dyke—Mon. thru Fri. Quick Draw McGraw (c)—Saturday Popeye and Friends—Sunday Hollywood Spectacular—Sunday Love of Life—Mon. thru Fri. Popeye Party—Saturday CBS News—Mon. thru Fri. Search for Tomorrow—Mon. thru Fri. The Guiding Light—Mon. thru Fri. World at Noon—Mon. thru Fri. My Friend Flicka (c)—Saturday Singing Convention—Mon. thru Fri. As the World Turns—Mon. thru Fri. Sky King—Saturday U. S. Farm Report—Sunday	1:00-1:30 PM 1:00-1:30 PM 1:30-3:00 PM 1:30-2:00 PM 1:30-3:00 PM 3:00-4:00 PM 2:00-2:25 PM 2:25-2:30 PM 2:30-3:00 PM 3:00-4:30 PM 3:00-3:30 PM 3:30-4:00 PM 4:00-5:30 PM 4:00-5:00 PM 4:30-5:00 PM 5:00-5:30 PM 5:00-6:00 PM	Password—Mon. thru Fri. Linus—Saturday CBS Sports Spectacular—Sunday House Party—Mon. thru Fri. (c) Action—Saturday Fantastic—Saturday To Tell The Truth—Mon. thru Fri. Doug Edwards CBS News—Mon. thru Fri. The Edge of Night—Mon. thru Fri. Sunday Movie—Sunday The Secret Storm—Mon. thru Fri. Lloyd Thaxton Show—Mon. thru Fri. Big Show—Mon. thru Fri. Daktari—Sat. Amateur Hour—Sunday Twentieth Century—Sunday Lloyd Thaxton Show—Saturday
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TIME	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
5:30	Death Valley Days (c)	CBS Evening News (c) with Walter Cronkite	CBS Evening News (c) with Walter Cronkite	CBS Evening News (c) with Walter Cronkite	CBS Evening News (c) with Walter Cronkite	CBS Evening News (c) with Walter Cronkite	Lloyd Thaxton Lloyd Thaxton
6:00	Lassie (c)	Newsbeat Radar Weather, Sports To Tell the Truth	Newsbeat Radar Weather, Sports Hazel	Newsbeat Radar Weather, Sports Lost in Space	Newsbeat Radar Weather, Sports The Munsters	Newsbeat Radar Weather, Sports The Wild, Wild West The Wild, Wild West	Newsbeat Radar Weather, Sports Continental Showcase Continental Showcase
6:15	My Favorite Martian (c)						
6:45	My Favorite Martian (c)						
7:00	Ed Sullivan (c)	I've Got a Secret	Marshal Dillon	Lost in Space	Gilligan's Island (c)	The Wild, Wild West	Continental Showcase
7:15	Ed Sullivan (c)	I've Got a Secret	The Hippodrome (c)	Lost in Space	Gilligan's Island (c)	The Wild, Wild West	Continental Showcase
7:30	Ed Sullivan (c)	TBA	The Hippodrome (c)	Beverly Hillsbillies (c)	My Three Sons (c)	Hogan's Heroes (c)	Continental Showcase
7:45	Ed Sullivan (c)	TBA	The Hippodrome (c)	Beverly Hillsbillies (c)	My Three Sons (c)	Hogan's Heroes (c)	Secret Agent Secret Agent
8:00	Perry Mason	Andy Griffith (c)	The Hippodrome (c)	Green Acres (c)	Thursday Night Movie (Most in color)	Gomer Pyle (c)	Secret Agent
8:15	Perry Mason	Andy Griffith (c)	The Hippodrome (c)	Green Acres (c)	Thursday Night Movie (Most in color)	Gomer Pyle (c)	Secret Agent
8:30	Perry Mason	Movie of the Week (c)	Petticoat Junction (c)	Dick Van Dyke	Thursday Night Movie (Most in color)	Smother's Brothers Smother's Brothers	Let's Go To The Races (c)
8:45	Perry Mason	Movie of the Week (c)	Petticoat Junction (c)	Dick Van Dyke	Thursday Night Movie (Most in color)	Smother's Brothers	Let's Go To The Races (c)
9:00	Candid Camera	Movie of the Week (c)	CBS Reports	The John Gary Show (c)	Thursday Night Movie (Most in color)	Wayne & Schuster Take An Affectionate Look	Gunsmake
9:15	Candid Camera	Movie of the Week (c)	CBS Reports	The John Gary Show (c)	Thursday Night Movie (Most in color)	Wayne & Schuster Take An Affectionate Look	Gunsmake
9:30	What's My Line	Movie of the Week (c)	CBS Reports	The John Gary Show (c)	Thursday Night Movie (Most in color)	Wayne & Schuster Take An Affectionate Look	Gunsmake
9:45	What's My Line	Movie of the Week (c)	CBS Reports	The John Gary Show (c)	Thursday Night Movie (Most in color)	Wayne & Schuster Take An Affectionate Look	Gunsmake
10:00	Sunday Night News	Movie of the Week (c)	Big News	Big News	Big News	Big News	Saturday Night News
10:15	Weather—Woods' Waters	Big News	Radar Weather—Sports	Radar Weather—Sports	Radar Weather—Sports	Radar Weather—Sports	Radar Weather—Sports
10:30	Million Dollar Movie	Radar Weather—Sports	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie
10:45	Million Dollar Movie	Art Linkletter's	Million Dollar Movie	The Loner	Million Dollar Movie	Films of the 50's	Films of the 50's
11:00	Million Dollar Movie	Talent Scouts	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	Films of the 50's
11:15	Million Dollar Movie	Art Linkletter's	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	Films of the 50's
11:30	Million Dollar Movie	Talent Scouts	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	Films of the 50's
11:45	Million Dollar Movie	Talent Scouts	Million Dollar Movie	Million Dollar Movie	Million Dollar Movie	Films of the 50's	Films of the 50's

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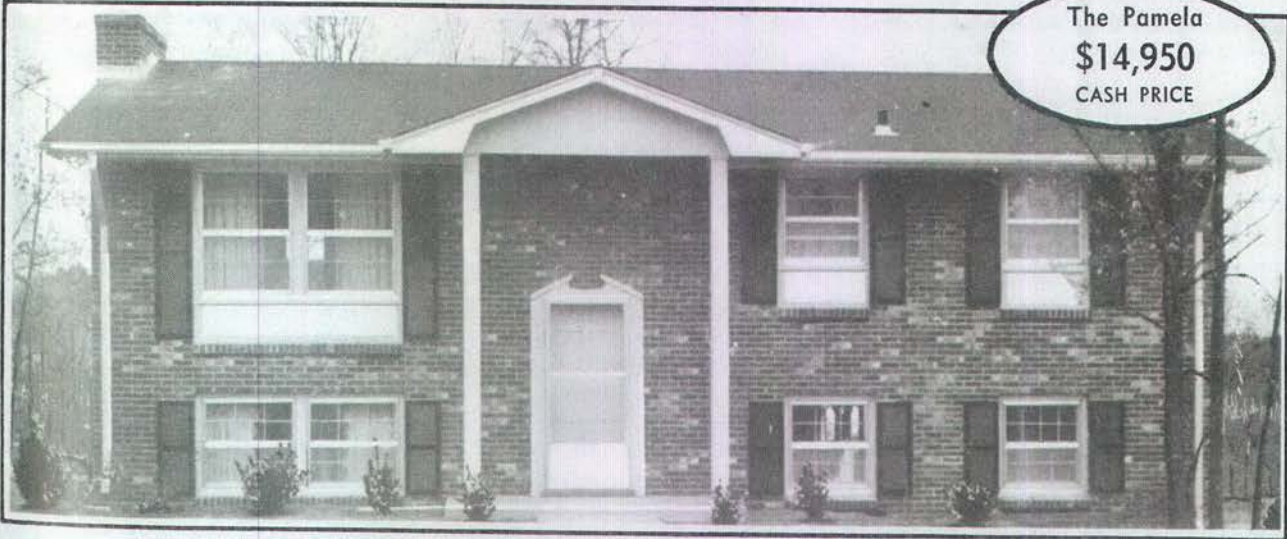


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To The Point

by John E. Stanford

For the past fifteen years—to our personal memory—the nation's private power moguls have howled long and loud and in high places about how their poor little companies—which are merely rich, monopolistic giants of American industry—are in danger of being plowed under by the Nation's rural electric co-ops, whose prime purpose is to serve on a non-profit basis those rural and small town people whom the power companies wouldn't serve in the first place. One of the chief howls of the profit utility boys was that the co-ops were borrowing money through REA at a rate which represented a loss to the Government.

For most of the thirty years or so that the REA-financed program has been in effect, the 2% rate of interest actually represented a profit to the Government. Through a tight-money policy effected by an Administration several years ago, the cost to the Government for borrowing money is now more than 2%. And, through efficient operation over the past 25 to 30 years, there are now a number of co-ops, although by no means all, which are financially able to pay more than the 2% interest which was set for REA loans in 1944.

That is why, after more than two years of study, that the National Rural Electric Cooperative Association at its Annual Meeting in February, called for a Supplemental Financing Plan (see charts in Volunteer Views) through which additional, badly-needed loan funds would be made available at a higher rate of interest.

Legislation which would make possible this Supplemental Financing Plan has been introduced in the U.S. Senate by Tennessee's Ross Bass and Kentucky's John Sherman Cooper, and in the House by Texas' Bob Poage.

Hearings have been under way for several weeks now. And just who would you guess is raising the greatest opposition to this plan which embraces many of the interest rate factors advocated by the private power companies for years?

Why, the private power companies, of course!

It has been wisely said that the two most aggravatin' things in the world are wet fire wood and a wake-up woman.

We would like to make a third nomination!

We've never been smart enough to make a living out of farming, but we've always admired those who do. Farming today involves more investment, more risks, fewer guarantees (especially from the weather) and about as small a return on invested money as any business you can name. And yet, with a spirit that has helped make America the great nation that it is today, the farmer keeps right on producing enough food and fiber to take care of himself and some 27 other people.

Electricity has not "made" today's farmer, but it has helped him produce more and better raw products and to live more decently than he has ever been able to do before. And it has helped to keep a tremendous number of badly-needed youngsters on the farm who might otherwise seek out the misleading and often cruel bright lights of the big cities.

How important is the farmer to civilization? It has been said in authority that if all food production in the world stopped today, we would be in a state of cannibalism within two weeks.

Perhaps the biggest misconception about farmers is that in the present era of high food prices, the farmer is getting rich. A few are, but the overwhelming majority aren't. And for certain, the farmer gets far less for his raw products than most people think—from about 10% to 50% of the price of the retailed product, with an average of about one-third or less.

This little story isn't too far wrong. A lady at a check-out counter unloaded a dozen eggs, two TV frozen dinners, six cartons of cigarettes, a box of candy, a bottle of hand lotion, four magazines, several of the latest hit records, and some shaving cream for her husband. She paid her bill and left the counter grumbling: "No wonder the farmers are getting so rich. Food costs are horribly high these days!"



Tennessee

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CONTENTS

Agricultural Hall of Fame	4
Hamm's Store	6
Foods, Facts and Fashions	8
Volunteer Views	11
Your Co-op Section	12
Uncle John	14
Timely Topics	15
Grain Drying	16
Family Fare	19
Mower Safety	20

STAFF

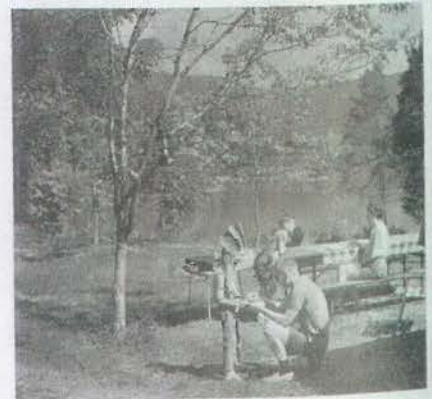
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ON THE COVER

July is an ideal time for family vacation and there is no better place to enjoy one than in a Tennessee State Park. (Color photo courtesy of Tenn. Div. of State Parks.)

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

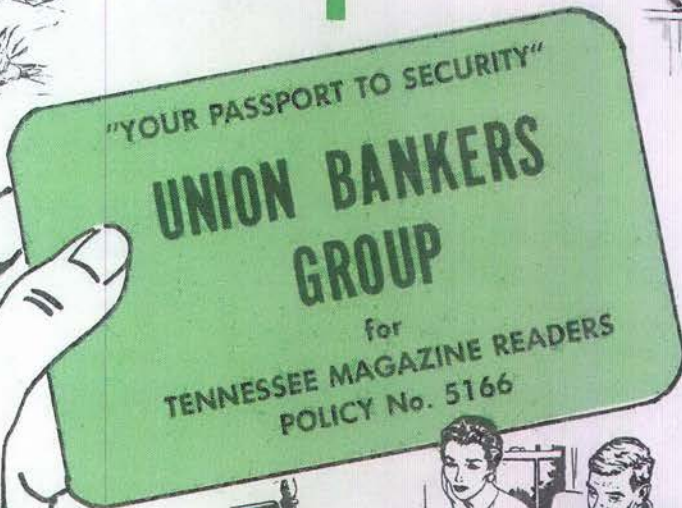
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This picture, which covers less than one-fourth of store, shows a vast amount of merchandise well displayed under good lighting.

The almost century-old Hamm's at Ramer offers...

TODAY'S MERCHANDISE IN YESTERDAY'S STORE

By John E. Stanford

There's a general merchandise store in Ramer, Tennessee which defies the slogan that "it pays to advertise". There's not an identifying name on the outside of the store, nor any indication of what types of merchandise are sold inside.

But in and around Ramer, there really isn't any such need. Everyone knows that the one big store in Ramer is Hamm's, and if all the different types of merchandise sold were lettered on the outside display windows, customers couldn't see much of what was on display!

The principals in Hamm's store are two brothers, Lester and Eugene, but they are relatively young 'uns in terms of the store's history. It was their Grandfather, A. B. Hamm, who began the store in 1873, with its first location being at Chevalla, about four miles from Ramer on the Southern Railroad. It was only three years later that Mr. Hamm, a Civil War veteran, moved his business to Ramer and to its present site. His son J. R.,

now deceased, followed as owner and operator.

Just as Hamm's debunks that slogan about it paying to advertise, it does likewise, in terms of merchandising, to the old saying that you can't have your cake and eat it too. Hamm's does have a much-to-be-desired yesterday's country store atmosphere in which to sell its customers merchandise as fresh and modern as tomorrow morning.

The store, which measures 65-feet by 105-feet on two floors, the upper one being used primarily for storage, is generally divided into three general categories—hardware, grocery (including a fresh meat counter) and dry goods. But if you also happen to need over-the-counter drugs, cosmetics, minor electric appliances, feeds, seeds, wiring and plumbing supplies, coal and some other special items—you've come to the right place. In fact the nearest place that you could find all of these items is some 11 miles away and scattered in several different stores.

Although Hamm's stocks liter-

ally thousands of different items of modern merchandise, it has wisely refused to break all ties with the past. A huge coal-burning pot-bellied stove heats the store and there are plenty of chairs nearby for those who want to chat by its warmth. A system of cable carriers running from seven different locations in the store to one central change-making and charge-slip office remains intact, although it has not been used by the store for a number of years. The original door-less main office, just a couple of steps up from the main floor level, is the business heart of the store. Not far away is an old, but still familiar, Diamond dye case.

Perhaps the oldest one item in Hamm's store is one that's not for sale. It's the first ledger kept by Mr. A. B. Hamm when he opened the original store in 1873. Recorded therein as sales are such items as:

1 pair shoes—\$1.10
 14 yards calico—\$1.40
 1 bbl (196 lb.) flour—\$8.00
 ½ lb. gunpowder—20-cents

Mr. Hamm also accepted some "raw" merchandise as credit against money due him. Among his credit entries were 60-cents for six dozen eggs and 45-cents for a goat skin.

In addition to brothers Lester and Eugene, and Eugene's son, Joe, the store employs four other persons.

Present owners Lester and Eugene represent the third generation of Hamms to serve the Ramer area, not only with a fine merchandising operation, but with leadership at many levels of service.

Along with his other many responsibilities, Lester Hamm is President of the Board of Trustees of Pickwick Electric Cooperative and recently was honored for his 30 years of service to the co-op, which cover the entire existence of Pickwick Electric.

And it's good to know that Joe, the fourth generation of Hamms (store-wise) has inherited the spirit of service to his community and of the objectives of the cooperative rural electrification program.

Said Joe Hamm as he surveyed

the family's brightly lighted store, the electrically cooled meat counter, electric fans and other appliances: "If it weren't for Pickwick Electric, and other co-ops like it, and the electric power generated by TVA which they distribute, rural towns like Ramer would dry up and blow away. With an electric way of life, Ramer is a fine place to live, as are other rural towns and communities like it."

And, if we might add, general stores like Hamm's also enable many people to enjoy life quite a few miles outside the big-city.



Familiar faces at the store are (left to right), Joe Hamm, Lester Hamm and Eugene Hamm, father of Joe. Lester is a charter member and 30-year Trustee of Pickwick Electric Co-op, which he also serves as President.



The grocery department of store has this electrically cooled meat counter. Store carries full line of foods.



A familiar sight in Hamm's for many years has been this pot-bellied stove. Many tall stories have been spun in its area.



The old beam scale is still very much in use, not only for weighing but for checking the accuracy of newer, much more expensive scales used elsewhere in the store.

Foods, Facts and Fashions



By Mary Ellen Lewter,

Home Economist
Meriwether Lewis Electric Co-op

A Kitchen -- The Heart Of A Home

Kitchens now are often the center of family activities, and the kitchens in modern homes reflect this fact. A kitchen can be many rooms rolled into one . . . family dining room, activities room, laundry and sewing room, home office . . . and of course, a kitchen.

There are several good reasons for this swing back to big comfortable kitchens. In the big kitchens, mothers can keep the children nearby while they work. And women who work outside the home have a chance to spend more time with their families.

Modern kitchen equipment and furnishings are prettier today. Many of the appliances come in color or have colorful trimming. Cabinets are more attractive. Therefore the housewife may make the heart of her home as decorative as she chooses.

However, the fact remains that the keynote to any kitchen is still efficiency in the preparation and serving of meals. To obtain a kitchen for efficiency, plus the livable qualities that make the

kitchen an attractive room for other activities, much thought and preplanning should be given to this area of the home.

Many power distributors employ home economists and electrification advisors who have special training in home planning. The services of these employees are free to the electrical consumer. If you are planning to build or remodel in the near future, why not contact your power distributor and inquire of the services available to you?

Basically, the functions of a kitchen have not changed since the first one was added to the home. It is still the room where food is stored, meals are prepared, and cleaning up afterwards is done. In the modern kitchen these activities should be arranged in "centers" for making work easier. These centers are: the refrigeration and food preparation center, the cooking and serving center, and the dishwasher and clean-up center. For convenience, each of these centers has its own



At the refrigeration and food preparation center in the William Shepard's home in Centerville, Mrs. Shepard has efficiency at her finger tips with adequate counter work space, ample storage, good general lighting and local lighting provided by under-cabinet fluorescent lighting fixtures.

work counters and storage space for supplies and utensils.

The heart of each of these centers is a modern, time-saving electric appliance. These appliances come in various sizes, colors, and models. Before you can complete your kitchen plan, you must know the floor space required for each appliance that you will be installing now and later.

After adequate space has been allowed for the three basic centers in the kitchen area, then, and only then, should related areas be incorporated into the kitchen. A desk, where much of the business of running the house can be carried on, is most convenient in the kitch-



After mealtime, the clean-up is a minor task for Mrs. Vet Bandy of Lobelville. Her electric dishwasher allows for efficiency and sanitation at the clean-up center.



Atmosphere can certainly make the food more palatable. This decorative dining nook in the kitchen at the Medearis home in Centerville would delight the members of any family.



A phone call is no big interruption at meal preparation time for Mrs. Walter Medearis of Centerville with an extension phone located near the cooking and serving center of her kitchen.

en when space is available for this feature. The food freezer should certainly find its home in or near the kitchen area.

Often times when space is available, the homemaker chooses to locate her modern automatic electric laundry equipment in the kitchen area. The best arrangement is along a wall with cabinets above the appliances for storage of supplies and a tall cabinet nearby for storing the ironing board and iron. A sink and counter space for pretreating stains add to the convenience of this area.

In a modern kitchen, efficiency in performing kitchen tasks depends on good lighting; the satisfactory operation of electric appliances depends on a good wiring system.

There should be plans for general lighting in the kitchen area and for related areas such as dining, plus local lighting at each of the main kitchen centers. All light sources must be shielded or diffused from all viewing angles.

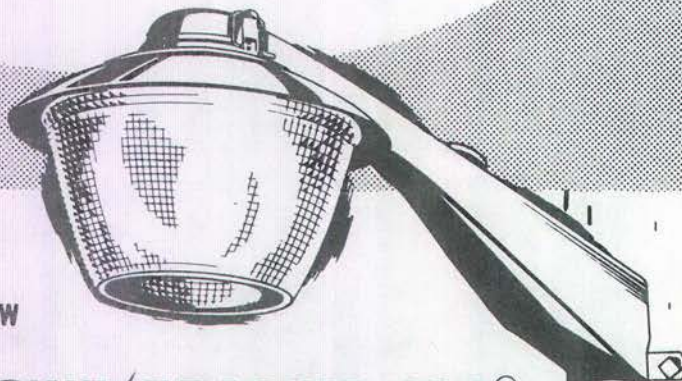
General lighting may be furnished by fluorescent or incandescent ceiling fixtures, properly shielded; luminous ceiling; large lighting panels; soffit lighting or a combination of any of these.

Lighting above the sink may be fluorescent or incandescent, shielded and directed downward. A good structural design for this is a soffit. For lighting over other work centers, soffit or under-cabinet lighting may be used. Under-cabinet lighting may be a fluorescent channel and lamp or a shallow fluorescent under-cabinet fixture.



A desk in the kitchen area of Dr. and Mrs. Arthur Walker's home in Waverly provides Mrs. Walker with a central communication center as well as a place where much of the business of running the house can be carried on.

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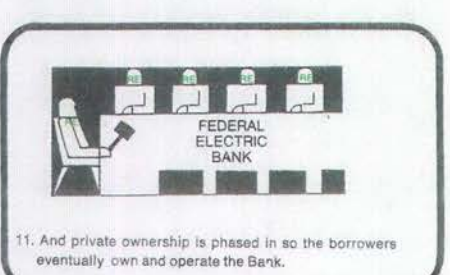
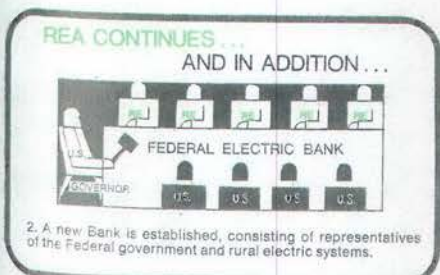
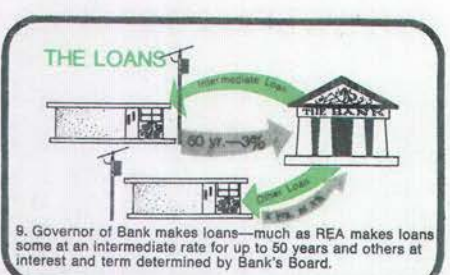
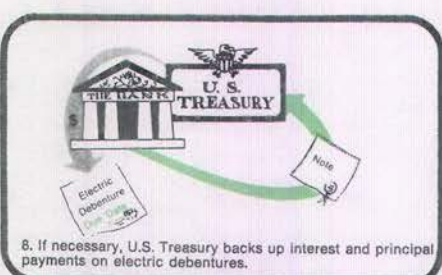
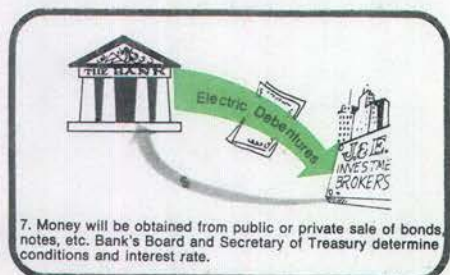
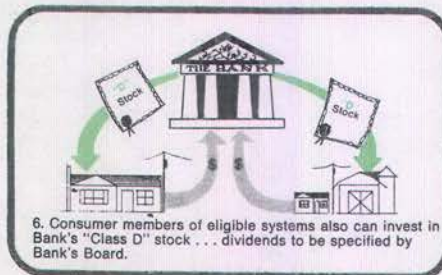
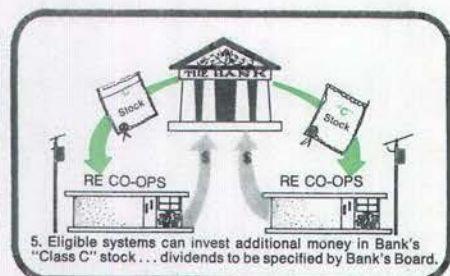
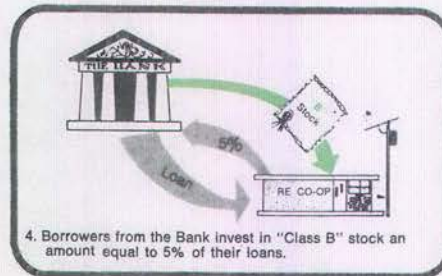
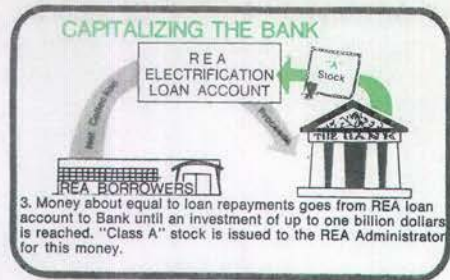
Volunteer Views

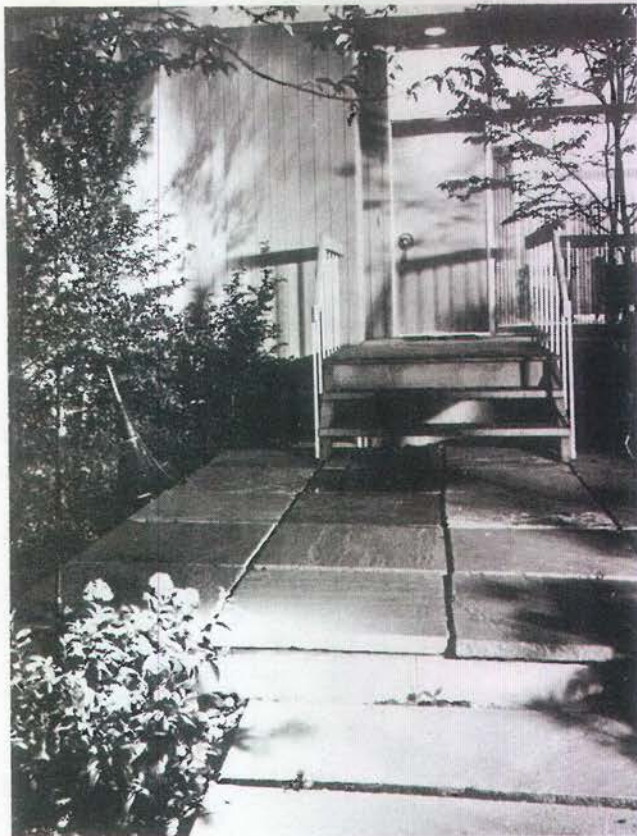
by **J. C. Hundley**
Executive Manager, TRECA

Step by Step

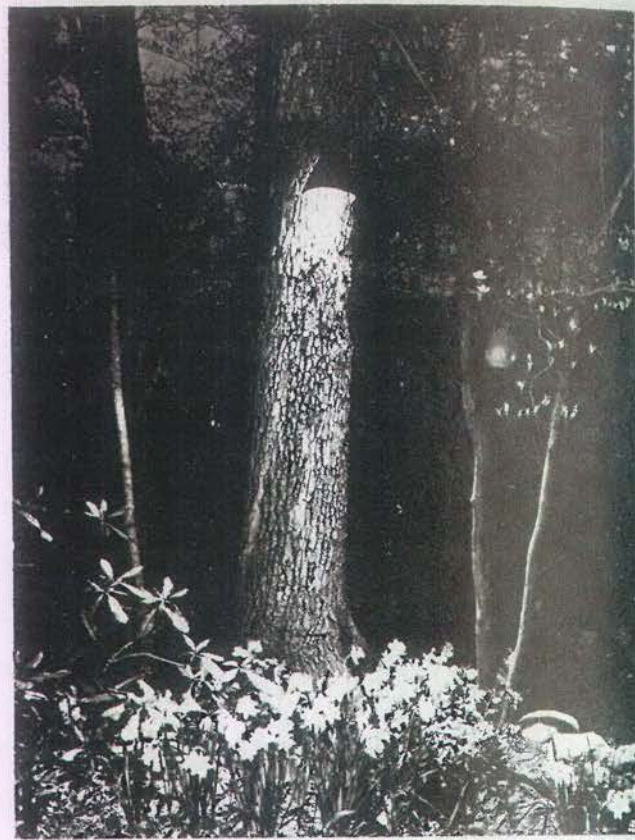
ANALYSIS OF FINANCING PLAN

Thousands of words have been printed in this publication regarding the Supplemental Financing Plan for rural electric co-ops. If the old saying is true that one picture is worth a thousand words, and the same holds for charts, we're going to reverse our usual procedure of a word column this month and print instead what we believe to be as concise an explanation of the present procedures and planned proposals for Supplemental Financing as has come to our attention. Generally speaking, these charts represent what will be an important segment of electric co-op financing in the future if Congressional bills introduced by Senator Ross Bass of Tennessee (S. 3337) and Representative Bob Poage of Texas (H. 14000) are passed into law.




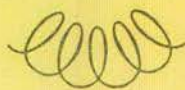


A strategically-located fixture (lower left) accents the bed of geraniums and illuminates the stone step. A flood bulb concealed on either side of the walk silhouettes the branches of the trees against the lighted house, creating lacy shadows on the wall and glass window wall.



A spread of light on this garden spot comes from a fixture hung high on the tree trunk. The half-cone shaped fixture is skillfully designed to resemble a tree trunk and by day will go unnoticed. If desired, the entire fixture, including the bulb, can be reversed to direct the light upward.


**OUTDOOR
 LIGHTING
 HAS MULTIPLE
 ADVANTAGES**



There is no time like nighttime for home gardeners to ask themselves these questions: Are we getting our money's worth of visual enjoyment from the garden plantings on which time and thought have been lavished? Are we getting maximum usefulness from the outdoor living area? Are the darkened grounds a likely hazard or an invitation to unwelcome intruders?

Families who feel "cheated" in any of those respects should not be discouraged. The shortcomings can be corrected by installing outdoor lighting.

Outdoor lighting has multiple advantages for one can eat, entertain or play games outdoors after the summer sun goes down. A lovely-to-look at garden is rescued from nighttime oblivion. Paths and steps can be seen easily. Night lighting also discourages prowlers.

Fortunately, outdoor lighting is economically feasible for any garden, regardless of its size or the modesty of one's budget. It is practical for renters as well as homeowners.

Outdoor lighting equipment comes in a variety of attractive designs and

(Cont. on next pg.)

OUTDOOR LIGHTING

prices. In addition to well-designed portable fixtures for highlighting trees and flower beds, there are fixtures with which to "light the way ahead" at steps and pathways. Still other fixtures are especially designed to illuminate game and dining areas.

Naturally, it is every gardener for himself in selecting the spot or spots which deserve to be accented with light. But one can be assured of success by following a few general rules:

1. Avoid "whitewashing" the entire garden in imitation of daylight. The result is likely to be flat and monotonous. The fascination of the lighted garden lies in contrasts of light and shadow, in highlights and silhouette effects.

2. Scatter the lighting units. Place them so that they illuminate a flower bed, a well-shaped tree, a path, a pool, a rock garden.

3. Conceal the light source by hiding bulbs in shrubbery or using a shield reflector. Position bulbs and fixtures so that the light doesn't shine into the eyes of family, guests or neighbors.

4. Use white light or the blue-white projector bulbs on flowers. Colored light may be used sparingly on white statuary, walls and trellises and is most effective in pools and fountains and among shrubbery.

5. A little light goes a long way if directed on light-colored walls and concrete and gravel paths. These serve as reflectors of light.

Because water and electricity don't mix, do heed these "safety firsts:"

Use only outdoor-type light bulbs and outdoor-type equipment with weatherproof cords, sockets, plugs and connectors.

Work in a dry garden when installing garden lighting fixtures. Any kind of moisture, even dew, must be safeguarded against. Bulbs submerged in a garden pool must be placed under the water before they are lighted. If light is needed to work by, use a portable worklight or flashlight.

Turn off the electricity before installing lighting equipment and before making any replacements, even if only a light bulb is being replaced.

Tape all outdoor plug connections to keep out moisture. In addition, drape them over a wood spike to keep them above puddle level.

Be sure all holders for outdoor-type flood- and spot-light-bulbs have a rubber gasket between the bulb and the

socket and be sure to use these gaskets to prevent moisture from leaking into the sockets.

There is a growing interest in low-voltage lighting for the home garden. Such systems provide electrical safety and complete lighting and wiring flexibility. These 12-volt systems require an outdoor-type transformer which may be installed permanently or simply plugged into a convenience outlet on the exterior of the house or other available location. The transformer reduces the household voltage from 120 volts down to 12 volts.

The outdoor power cable can be placed on the ground, underground or in water. There are a variety of fixtures for connection to the 12-volt cable. Kits are available which supply all that is needed for the "do-it-yourself-er" to begin experimenting with the fascination of low-voltage-lighting his garden.

When it comes to methods of wiring for outdoor lighting, the homeowner—or even renter—has these alternatives:

For temporary wiring to a distant-from-the-house location, portable power outlets, equipped with up to 40-feet of outdoor-type cord, are available. They are mounted on a short pole which can be spiked into the ground and plugged into a convenience outlet at the house or garage. Use of temporary lighting equipment on a close-to-house terrace or garden area is facilitated by weather-proof outlets installed on the outside of the house.

Any temporary method of outdoor lighting calls for taking just two precautions: (1) Avoid overloading any one household circuit which, on the average, carries only about 1700 watts; (2) protect extension cords, wherever they leave the house, against damage from closing doors or windows. This can be accomplished, for example, by inserting a wood panel, the width of the window and about two or three inches high and bringing the cord out through a hole cut in the board.

For families who own their homes and have no intention of moving in the foreseeable future—or for those who happen to have a new home in the planning stage—one of the best procedures is to install underground cable in a trench. Cable laying must conform to local regulations and in order to meet these specifications, the homeowner should turn over all wiring and rewiring jobs to a dependable local electrical contractor.



Celery Substitute

Out of celery? A little celery salt makes a good substitute in tossed green salads.

Coating For Fowl

You'll find coating any type of fowl in dry pancake mix before frying gives a flavorful change.

Starch Removes Grease Spots

Grease spots on wallpaper can be removed by rubbing with a lump of laundry starch.

Removes Unwanted Odor

A pail of water set inside a freshly painted room will make the odor vanish more quickly.

Hard Nut To Crack?

Before trying to crack a coconut, warm it in the oven. When heated, a slight blow will crack it and the shell will come off easily.

Perk Up Fruit Salads

For added zest grate a little lemon rind in mayonnaise used to make fruit salads.

Hamburger Idea

A raw potato grated in hamburger will keep the hamburger from frying hard and adds a new flavor.

Prevents Scratches

Brass or chrome upholstery buttons inserted in the bottom of ironing board legs will keep them from scratching the floor.

Fluffy Jam For Eye Appeal

Here's a new twist in jam preparation. Use your electric beater during the last five minutes of cooking. It will make the jam appetizingly fluffy.

Toy Pinwheels For Strawberry Beds

If birds are getting more strawberries than you are, put dime-store toy pinwheels six to eight feet apart in the strawberry bed. The flutter and whir of the pinwheels will keep the birds away.

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.



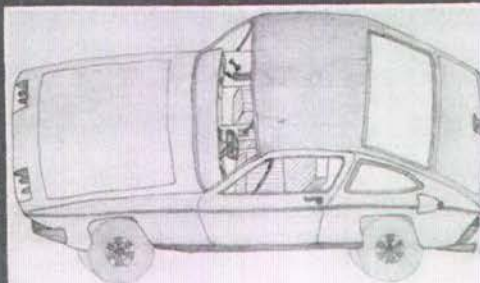
Steve Dishman
506 Second St.
Livingston, Tennessee
U. C. E. M. C.
Age 17



Paul Bellamy
Box 279
Mountain City, Tennessee
Mountain Electric Coop
Age 17



Nelda Gardner
Route 1
Maryville, Tennessee
Fort Loudoun Electric Coop
Age 14



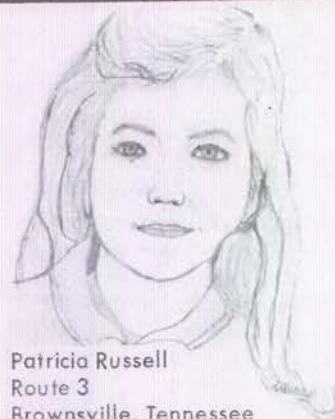
Kenneth Davis
Route 5, Box 154
McMinnville, Tennessee
Caney Fork Elec. Co-op
Age 16



Patricia McClintock
Route 1
Cornersville, Tennessee
Duck River Elec. Membership Corp.
Age 13



Phil Phillips
P. O. Box 265
Selmer, Tennessee
Pickwick Electric Co-op
Age 14



Patricia Russell
Route 3
Brownsville, Tennessee
Southwest E. M. C.
Age 17

Timely Topics

CERTIFIED MIDLAND BERMUDA GROWN IN TENNESSEE

The first Certified Midland Bermudagrass sprigs produced in Tennessee were dug and sold by Mr. Tad Sain, Route 4, Manchester, on May 27, according to Joe D. Burns, associate agronomist with the University of Tennessee Agricultural Extension Service.

"Midland is a relatively new hybrid Bermudagrass which produces up to twice as much yield as common Bermuda," points out Burns.

"It is taller and produces more open-type sod than common, which makes it easier to grow in combination with Ladino clover and lespedeza," he continues.

It is more winter hardy than Coastal Bermudagrass, another hybrid, he adds. Midland does not produce viable seed; therefore, it must be planted from sprigs or stolons.

There is a real need for more feed during the hot summer months, says Burns. Also, cool season pasture crops, such as fescue and orchardgrass should be rested. Midland Bermuda can help supply the feed which will give the other pastures a rest.

"Midland's greatest potential is with beef cattle," he adds, "with some limited use for dairy cattle where good stands of clover can be maintained in the mixture."

CATTLE AND HOGS ARE IMPORTANT IN TENNESSEE

When the fifty states are ranked in terms of meat animal production, Tennessee ranks 13th in hogs, with 344 million pounds; 18th in beef cattle, with 581 million pounds; and 31st in sheep, with six million pounds, says Robert L. Carter, assistant agricultural economist with the University of Tennessee Agricultural Extension Service.

Total U.S. imports of red meats in 1965 was approximately 50 million pounds below the 1964 level, he adds. Beef and veal imports dropped about 100 million pounds; lamb and mutton dropped about two million pounds, but pork imports increased approximately 52 million pounds.

As for exports, continues Carter, our total dropped about 114 million pounds in 1965, as compared to 1964. Beef and veal exports dropped eight million pounds and pork exports decreased about 93 million pounds. Lamb and mutton exports increased about one million pounds.

The price farmers received for their livestock is important, notes Carter. Number one hogs averaged \$25.20 last March, compared to \$17.62 a year earlier. Choice steers averaged \$31.82 in March, compared to \$26.15 a year earlier. Choice lambs were \$26.27, compared to \$23.08 in 1965.

PULPWOOD BECOMES IMPORTANT INCOME SOURCE IN STATE

Pulpwood on southern farms in very recent years has become an important source of farm income, says Eugene Gambill, associate agricultural economist with the University of Tennessee Agricultural Extension Service.

"While this is especially true in states to the south of Tennessee, pulpwood has become an item of considerable importance in the state, with cash receipts to producers of \$9 million in 1965," points out Gambill.

Tennessee is located in the intermediate region where southern short leaf pine is not a large part of the natural forest growth, he continues. Our most natural forest growth is hardwood. Pine does quite well where plantings are made.

Only recently have hardwood species come to be used as a source of pulpwood, he adds. It does not bring a price equal to that of pine and its slow growth does not make it as profitable to grow as pine.

"In future years pine forests, and even hardwood, will become a source of greater income to Tennessee farmers," suggests Gambill. "This will be true especially where plantings of pine are made and where undesirable species of hardwoods are removed from farm woodlots."

The day when the farm woodlot cannot be counted on for consistent income appears to be coming to an end, he continues. The end of this unsatisfactory situation can be hastened by doing such things as planting pine seedlings, removing undesirable species of hardwoods and protection from fire.

The thousands of acres of rough land in Tennessee will provide excellent sites for reforestation and intelligent woodlot management, he adds.

The several large paper mills which have come into Tennessee in recent years are an indication of what the paper industry thinks of the possibilities for pulpwood production in the state, points out the economist. The combination of pulpwood and trees for lumber is the most profitable approach, in most cases, to farm woodlot management. More farm land owners should give attention to improved woodlot management and the use of farm grown timber as a source of income.

FARM BRIEFS

In the past decade, the acreage of soybeans has doubled while the acreage of nearly all other field crops has declined.

* * *

The acreage of soybeans in 1965 covered an area larger than the state of Arkansas and had a value of over two billion dollars to the farmers growing them.

* * *

Products of the soybean include livestock and poultry feed, breakfast foods, special diets, macaroni, sauces, shortening, salad oil, paint, soap, ice cream, cosmetics, textiles, and many more.

* * *

The soybean will undoubtedly be a tremendous factor in alleviating wide-spread world hunger because it produces high quality fats and proteins and can be grown under a wide range of environmental conditions.

* * *

Calcium and phosphorus, as well as salt, should be supplied to beef cattle on pasture.

* * *

GRAIN DRYING?



The overall system: Grain can be transferred from batch drying bin to other bins by use of a vertical auger, adjustable down spout, and portable auger.

A GOOD WAY TO DO IT

By Floyd Roberts

*Agricultural Engineer
Gibson County EMC*

Modern day grain drying and storage is one of the most technical subjects a farmer has to deal with; that is, if he is interested in getting the most out of his operation money wise and quality wise.

There are a number of approved methods of storing and drying grain, and each of them have their merits, but at this time we will discuss a method used by Mr. Eugene Roddy, Lane Ferry, Tennessee, that has proven to be most satisfactory to him and, in the opinion of this writer, will gain in popularity as time goes by.

Since the farms cultivated by Mr. Roddy are not all in one area, for some time he rented a portable batch dryer that could be carried to his different locations. He was so well pleased with this that he seriously considered buying one until this past fall when he and some of his neighbors were discussing some of the pros and cons of this method of drying for his needs. After considerable study and discussion, he came upon the idea of buying a 1650 bushel bin that could be used as a batch drying bin and at the end of the season be used as a storage bin also. This bin is properly matched with a 3 hp fan and 210,000 BTU's of heat and will dry overnight 1,000 bushels of corn that has been shelled at 20 to 25% moisture content down to 15% moisture content which is the moisture content most buyers prefer.

He has in the past sold part of his grain at harvest time and the remainder he stores in five 1340 bushel bins until he is ready to feed or sell the following year, in many cases at a much higher price.

With this equipment he can usually start harvesting much earlier and be finished before bad weather

sets in. About one month is all the time required (15th of August to 15th of September). By early harvest, he has higher yields because of less blown over corn and less shattering. He feels that the extra yield at early harvest will more than pay the cost of drying and storing.

The outstanding feature in this method is the fact that he can go to bed at night and be assured that his grain is properly dried to the preferred moisture content of 12 to 15%. This, however, doesn't mean that he forgets about it until over in the next year because this is something no good farmer will do.

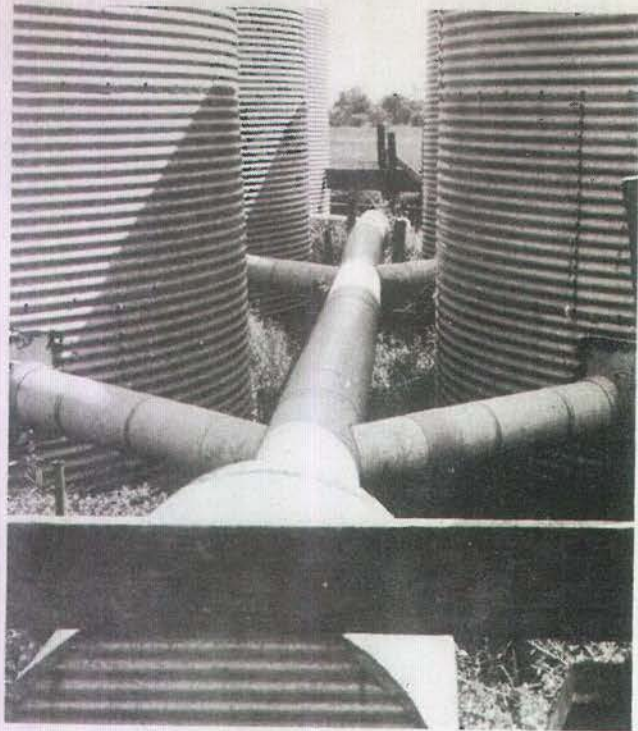
To help him to know just where he stands at all times, he first of all installed a distributor in the top of his bins to equally distribute the fines and cracked grains evenly throughout the bins. Without this, he would have most of this in the center of his bin forming a hard core for the air to pass through and a possibility of damaged grain.

Another safety factor he has incorporated is the use of a thermal thermometer placed in three strategic locations inside his bins that can be read from the outside and tell him exactly where his trouble spots are.

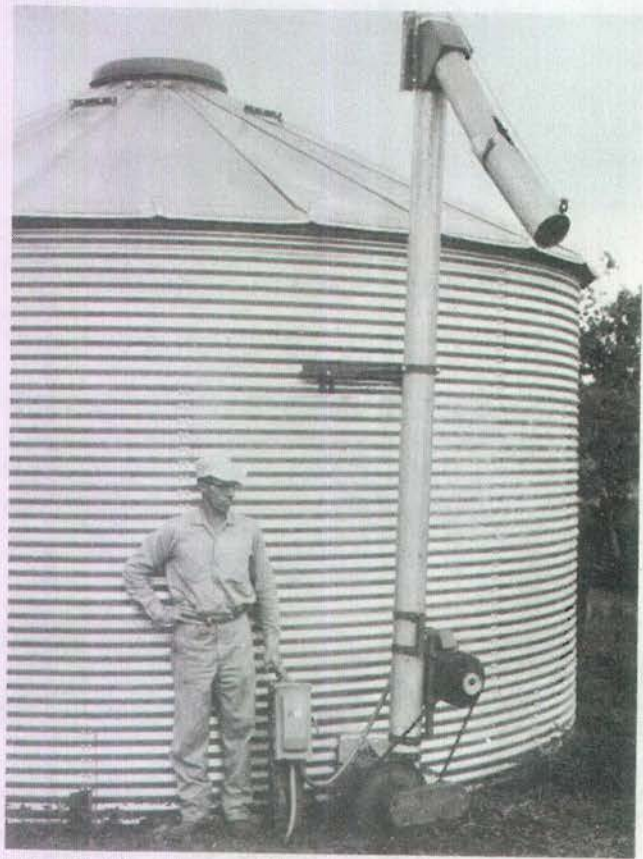
For all five 1340 bushel bins, he has one duct system connected to each bin and only a 1½ hp motor that can pull air down through all five bins at the same time or each bin can be operated separately. When to turn on the air is determined by the thermal thermometers in each bin and the relative humidity. Some farmers use a hygrometer to give them the exact relative humidity right on the spot, but Mr. Roddy says that due to precautions taken previous that it isn't critical, and he can turn on his air when he knows the sun is shin-



Matching air and heat is one of the desirable features of this installation. Mr. Roddy is pointing out his 3 horsepower fan and 210,000 BTU heater to Bob Kilburn, TVA Agricultural Engineer. Over or under-matching these can mean trouble and expensive time.



Once the grain is dried to the required moisture content, a duct system and 1½ horsepower fan to be used occasionally is all that is required. Note his neat arrangement of ducts and fan location.



Mr. Roddy points to his vertical auger. The 1½ horsepower motor actually does three things: - removes the grain from the bin, carries it up for truck loading or transferring it to another auger, and operates a sweepauger inside bin. For just pennies this equipment can save many hours of hard labor and time.

ing and the relative humidity is low and be safe for all practical purposes.

To save labor and speed up handling, Mr. Roddy has installed a pull-out auger and a vertical auger on his batch drying bin. One 1½ hp motor pulls both augers plus a sweep auger inside the bin that saves back muscles and many hours of scooping with a corn scoop. As the grain is brought out and up the vertical auger, a down spout is attached to the vertical auger and goes to a portable auger that augers the grain into his other storage bins.

As a word of precaution to anyone drying grain and this is practiced by Mr. Roddy also in his batch drying bin, never fill a bin completely full before turning on the air. This creates a high static pressure and delays drying time considerably. If you are not batch drying, use two bins if possible. Place grain in one today and turn on the air and possibly the heat and use bin No. 2 the following day. Drying grain as you go in shallow layers can be a big advantage to you.

In Mr. Roddy's bin, he never exceeds five feet in depth. Diameter plays a big part in drying time also, the larger the diameter, the shorter the drying time.

Grain drying can be compared to learning to plough your garden with a roto-tiller. The sooner you learn to let it do the work and know how to handle it, the better job you will do with much less labor.

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We congratulate the following winners in our recent "LUCKY DAYS" contest:
1966 MUSTANG—Ola Mae Davis, Johnsonville, S. C.
MINK STOLE—Gerald Story, Calvert City, Ky.
PORTABLE TV SET—Patsy Dean, Mobile, Ala.
10,000 S&H GREEN STAMPS each to:
Estaleen White, Knoxville, Tenn.
Vernon W. Flanery, Oldtown, Ky.
Gene Cates, Groesbeck, Texas
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FAMILY FARE

by Erma Angevine,

Coordinator of Women's
Activities, NRECA

Crowder Valley lies buried deep in the Appalachian mountains, a beautiful and unspoiled wilderness. Ben Haas explores the controversy over its future in his latest novel, *The Last Valley*. (Simon and Schuster. New York City, 1966. 478 pp.)

Rural electric members will read this book not only because it's a tale well told, but also because it's a story we've tried to tell. It took someone outside the rural electric family to make the unbelievably vicious attacks co-op people have suffered for the past 30 years come alive.

Bitter editorials, lies, deceit are all a part of a power conflict described in the novel. In *The Last Valley*, a rural electric manager plays a key role. You meet a statewide manager and several of his staff. You hear the name-calling of the investor-owned utilities before a state utility commission. You watch an out-of-state utility maneuver state officials like pawns on a chess board. You live the tension at the hearing and again in the state legislature.

Whether Haas is telling the muted love story of a retired army general or giving a lyrical description of a bear hunt, his story moves and his characters come to life.

Skyline Power & Light, owned by stockholders in other states, wants Crowder Valley. It wants to flood the valley and sell the power it generates at a cut rate to its own factory over the state line.

Co-op leaders now fighting for supplemental financing will find the array of antagonists familiar and their voices crying the same innuendoes — "rural electric co-ops are taking over the power industry," "socialism," "un-American," "subsidized co-ops," "pinks and commies."

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This unthinking American might lose a few fingers as he breaks one of the cardinal rules of Power Mowing Safety—**DO NOT UNCLOG YOUR MOWER WHILE IT IS RUNNING.**

**For This and Every Summer,
Here are Tips Offering You...**

MOWER SAFETY

POWER MOWER SAFETY SUGGESTIONS

This year approximately 4,500,000 new power mowers will be sold to help groom America's backyards. The rapid growth of these convenient, labor saving devices has brought mounting concern over the number of careless mowing accidents occurring each year.

According to Harold Howe, Executive Secretary and Safety Director of the Outdoor Power Equipment Institute, these accidents can be prevented if the operator has a thorough knowledge of the operation of his machine. The following tips will insure you a season of safer power mowing:

BEFORE MOWING

1. Learn mower and controls thoroughly.
2. Fill gas tank before starting (never refuel hot engine).
3. Clear area of children and pets.
4. Clear lawn of foreign objects.
5. Never use electric mower while grass is wet.

WHILE MOWING

1. Keep feet clear at all times.
2. Stay away from discharge side of mower.
3. Push, do not pull, mower.
4. Stop the engine before pushing mower across drives, walks or roads.
5. Stop the engine whenever you leave the mower, even for a moment.
6. Do not unclog the mower while it is running.
7. Mow steep slopes sideways.
8. Do not allow children to operate mower.
9. Use extreme care with riding mowers on steep inclines.
10. Stop engine and disconnect spark wire before working on motor.

Learn these safe mowing tips and use them—for safer power mowing.

FAMILY FARE

(Cont. from pg. 19)

enormous prestige and stature, people are unwilling to believe they'll stoop to unsportsmanlike conduct. Few people today remember the Insull era. Most people assume the investor-owned utility is just another business in the community. They fail to realize the owners are not in their town nor anywhere near it. They are stock brokers, insurance companies, financial wheeler-dealers largely located in the East.

Small wonder such an industry-owned corporation is impersonal, has little appreciation of the public interest. Small wonder, too, that co-ops — home owned and controlled — have a hard time getting their story told.

If you've friends who feel we take the IOU attacks too seriously, suggest they read The Last Valley.

LEFTOVERS CAN BE USED IN DECORATING

Clever homemakers who want their homes to have a custom touch—yet don't want to break a budget doing it—are discovering the decorating magic of "leftover" carpet used above the floor.

Scraps and leftover pieces can be used to make a useful fireside bench. The fireside bench makes an excellent gift for relatives or close friends. Electric power tools enable the man of the house to do a professional job. The top is a frame made of four 2" by 2"s; 20" in length for the long side;



10" for the short. Four more 26" long 2" by 2"s fashion the legs. About 10" below the top edge of the frame, nail in two 16" 2" by 2"s on the long side; two 6" ones on the short side. The frame is then filled in with plywood panels and painted. Careful measuring of the carpet is a secret to a beautiful bench. Cut the pieces exactly the same size as the plywood panels. Then, glue or staple them to the plywood. Tacks in the corners of the carpeted area will prevent curling. The finished bench is an unusual—and inviting—conversation piece.



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