COMPLETE FEBRUARY SCHEDULE – WLAC-TV, NASHVILLE

SPECIALS FOR FEBRUARY 1968

DESTINATION NORTH POLE – MY FATHER & MY MOTHER (c)
Wednesday, February 7
6:30-7:30 PM

“JONATHAN WINTERS SHOW”
Wednesday, 9 P.M. (c)

DAYTIME

| 5:45 - 6:00 AM | Farm News – Mon., thru Fri. |
| 6:00 - 7:00 AM | Sunrise Semester – Sunday |
| 6:00 - 7:45 AM | Country Junction – Mon., thru Fri. |
| 6:30 - 7:00 AM | Sunrise Semester – Saturday |
| 7:00 - 8:00 AM | Eddie Hill Variety Show – Saturday |
| 7:00 - 8:00 AM | Underdyke/Tom & Jerry – Sunday (c) |
| 7:45 - 8:00 AM | Morning News Weather – Mon., thru Fri. |
| 8:00 - 9:00 AM | Capulin Kasapa – Mon., thru Fri. |
| 8:00 - 9:00 AM | Franklin Stein – Saturday |
| 8:00 - 9:00 AM | Heaven’s Jubilee – Sunday |
| 8:30 - 9:00 AM | Hercules – Saturday (c) |
| 9:00 - 10:00 AM | Mike Douglas Show – Mon., thru Fri. (c) |
| 9:00 - 10:30 AM | Shazam – Saturday (c) |
| 9:00 - 10:30 AM | Heaven’s Jubilee – Sunday |
| 9:30 - 10:00 AM | Space Ghost – Saturday (c) |
| 9:30 - 10:00 AM | Look Up and Live – Sunday |
| 10:00 - 10:30 AM | Andy of Mayberry – Mon., thru Fri. |
| 10:00 - 10:30 AM | Maty Dick – Mighty Mite – Sat. (c) |
| 10:15 - 10:30 AM | Camera Three – Sunday |
| 10:30 - 11:00 AM | Dick Van Dyke – Mon., thru Fri. |
| 10:30 - 11:30 AM | Superman/Aquaman – Saturday (c) |
| 10:31 - 10:45 AM | Faith for Today – Sunday |
| 11:00 - 11:45 AM | Love of Life – Mon. thru Fri. |
| 11:00 - 11:30 AM | Saturday at the Movies – Sunday |
| 11:25 - 11:30 AM | Jos. Bonti CBS News – Mon., thru Fri. (c) |
| 11:30 - 11:45 AM | Search for Tomorrow – Mon., thru Fri. (c) |
| 11:30 - 12:00 PM | Popeye – Saturday (c) |
| 11:31 - 12:00 PM | Face the Nation – Sunday |
| 11:45 - 12:00 PM | The Guiding Light – Men, thru Fri. (c) |
| 12:00 - 12:05 PM | World of Noon – Mon., thru Fri. |
| 12:05 - 12:30 PM | Lone Ranger – Saturday (c) |
| 12:05 - 1:00 PM | Hollywood Spectacular – Sunday |
| 12:05 - 12:30 PM | As the World Turns – Mon., thru Fri. (c) |
| 12:30 - 1:00 PM | Road Runner – Saturday |
| 12:30 - 1:00 PM | Love is a Many Splendored Thing – Mon. thru Fri., Start 9/18 |
| 1:00 - 1:20 PM | Jenny Quest – Saturday |
| 1:00 - 1:30 PM | National Hockey League – Sunday |
| 1:30 - 2:00 PM | House Party – Mon., thru Fri. (c) |
| 1:30 - 3:00 PM | Action & Adventure Movies – Sat. |
| 2:00 - 2:25 PM | To Tell the Truth – Mon., thru Fri. (c) |
| 2:25 - 2:30 PM | D. Edwards CBS News – Mon., thru Fri. (c) |
| 2:30 - 3:00 PM | The Edge of Night – Mon., thru Fri. |
| 3:00 - 3:30 PM | The Secret Storm – Mon., thru Fri. |
| 3:30 - 4:00 PM | Password – Mon., thru Fri. |
| 3:30 - 4:00 PM | CBS Gulf Classic – Saturday (c) |
| 3:30 - 4:00 PM | Children’s Film Festival – Sunday |
| 4:00 - 5:00 PM | Big Show – Mon., thru Fri. |
| 4:00 - 5:00 PM | Daktari – Saturday (c) |
| 4:30 - 5:00 PM | Snelldown – Sunday |
| 5:00 - 5:30 PM | Debbie Griffis – Saturday |
| 5:00 - 5:30 PM | TBA – Sunday |

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WLAC-TV Channel 5
NASHVILLE, TENNESSEE
Southwest Tenn. EMC
Manager E.H. Wright
Dies of Stroke

E. H. Wright

Tennessee's cooperative rural electrification program has lost one of its veteran and most able leaders in the passing of Ervin H. Wright, for thirty years the Manager of Southwest Tennessee Electric Membership Corporation, Brownsville. Mr. Wright died following a stroke in late December.

Southwest's first and, until his death, the only manager since the cooperative was organized thirty years ago, Wright was highly respected throughout the state and nation's rural electrification program. Born in Lakeside, Ohio in 1905, he had become a "native" of Tennessee many years ago. In the electrical field, he had first worked for an Alamo utility company and helped pioneer TVA electrical development in the state.

Wright was a director in the Big Hatchie Development Association, the Tennessee Electric Cooperative Association, the Tennessee Valley Public Power Association which he also served as President, the West Tennessee Industrial Association, and the West Tennessee Managers Institute.

He was a retired captain of the State Guard, a Rotarian, Mason, Shriner and member of the First Methodist church in Brownsville.

Wright, who was 62 at the time of his death, is survived by his widow; a son, E.H. Wright Jr., two daughters, Mrs. Joan Haynes of Jackson and Mrs. Ann Rogers of Dallas, two brothers, two sisters and four grandchildren.
Feed Processing Goes Electric

By Frank N. McGregor
Director of Public Relations
Cumberland Electric Mbr. Corp.
Clarksville, Tenn.

Fifty years ago, nearly every farm boy had an opportunity to go to the mill with his Father. There they could see the fascinating operation of using water power to process grain into food and feed. There was also the opportunity to fish a little and possibly to swim in the mill pond. These experiences, like many other things in our country, belonged to another era. Farm boys still have the opportunity to go with their Dads to many places, but the visit to the water powered mills no longer exists.

During the era of water powered mills, most farm families had their own flour and meal ground at the mill along with feed for the chickens and livestock. There was no need for large volume grinding during these years, as farm feeding of livestock did not include the high grain content that is used today.

The livestock industry in the CEMC area has seen a tremendous growth in the last twenty-five years. Several large feed lots are scattered throughout the area, and in addition, there are several large poultry installations. Farmers who are not specializing in the livestock industry, still have some requirements for ground or processed feed. They, therefore, need some type equipment with which to process their grain.

The processing of feed for farm use is handled in one of several ways by farmers in this area. The most common type mill found on farms in the CEMC area is the farm hammer mill. This mill utilizes the farm tractor for power and may be either belt driven or power take off driven. A variety of feeds can be handled by this type unit by changing the size screen within the mill. In recent years, the tractor powered hammer mill has lost popularity with farmers due to the large labor requirements of this type operation.

The gasoline powered hammer mill has given way to electric powered mills of various sizes. There is a small type mill that grinds shelled corn and small grain. It is quite popular with farmers. This unit has a small tonnage output per hour. It is used over several hours in order to obtain the volume required. Since it is automatic, the labor required for this type mill is small.

Some farmers have converted tractor hammer mills to electric powered mills. This is usually done where the farmer wishes to use an existing mill rather than to purchase a new unit. Some labor is saved on this type installation as the farmer is not required to hook up his tractor each time he wishes to use the mill. Small motors powering feed augers can further eliminate labor for this type installation. Horsepower requirements for these mills usually run in the twenty or twenty-five horsepower class.

On a few large farms, commercial installations have been installed that utilize electric power mills. These run in the seventy-five to one hundred horsepower class and have a very high initial installation cost. Large volumes of feed must be utilized to justify this type installation. Most farmers will not be interested in this unless they have a very large...
scale livestock operation.

The type mills discussed so far in this article, have two features in common. They utilize existing farm labor for whatever labor is required and they process the farm products into feed on the farm without moving it to another location.

One type grinding operation that is gaining in popularity is the custom mill mounted on a truck that grinds the feed at the farm location. This has the advantage of eliminating any equipment cost for the farmer, reducing labor required, and handling the operation without moving the grain from the farm to a mill. These feed grinding trucks can usually offer the farmer a mixture to meet most any requirement.

Although they are powered by a gasoline motor, they are equipped with a 5 KW generator that produces electric power for several small motors. This gives the portable custom mill the versatility needed to do an excellent job.

Still another method in which feed is processed by farmers in this area, is the custom mill. It is the nearest thing, existing today, to the old water powered mill. These are electric powered so they do not have to be located on a river or creek. On this type operation, the farmer moves his farm grown feeds to the mill, has it ground and mixed, and then hauls it back to the farm. There is no equipment investment required on this type operation, but more labor is required than in some of the other feed processing plans.

The newest manner in which feed is handled by farmers, and one that is gaining rapidly in popularity, is to have a feed company deliver a balanced ration to the farm in a bulk feed truck. Farmers utilizing this plan sell their farm crops such as corn and barley, at harvest time, and apply the money on the purchase of feed. This plan eliminates all labor and equipment costs. Usually a better mixed feed ration can be obtained in this manner than on the farm grinding and mixing. Farmers using this method say that feed costs are equal or lower when all the factors are compared.

No one method of the feed processing operations will be best for all farmers. Each farm operation must be evaluated as to available man power, financing and equipment. Farmers planning to do on the farm grinding should consult their electric power distributor for recommendations on wiring and equipment needed to process their feed. Farmers utilizing custom feed grinding or utilizing pre-mixed bulk feed, can take advantage of electric power to move feed from one location to the other. Information on this is available through any electric power distributor in the TVA section, at no cost to the consumer.

This custom mill is owned by Wendell Jones of Montgomery County who is shown in the picture. The gas powered mill generates 5 KW of electric power to operate various motors on the unit. A ration can be balanced to meet almost any feed requirement with this type mill.

This is a custom feed mill owned by Richard Head and located in Cheatham County. The transformer bank on the electric pole indicates that a large amount of power is needed to operate this mill.

This bulk feed truck owned by the Montgomery Farmer's Coop, is delivering feed to the Willard Welch farm in Montgomery County. This type feeding program is becoming popular with CEMC farmers.
February may be one of our coldest months but the warmth of Valentine’s Day should live in our hearts, not only on February 14th, but every day of the year.

That “special man” may or may not notice, but here are some household hints that might help you to retain “that extra special girl.”

When very tired out, try relaxing by placing a pillow under each knee and each arm; lie back with head resting at bed level and think of yourself as floating... for an extra luxury place a cold damp cloth over your eyes... to help teenage daughter gain beauty and self-control, advise her to sit down and brush her hair a hundred strokes every time she feels like losing her temper... instead of saying no to children all the time, avoid confusion by placing temptation out of reach... to keep the new puppy quiet at night put an alarm clock in his bed... keep canvas work gloves by home freezer. Saves hands from chilling, aids in holding freezer jars... to paint flower pots neatly, place upside down over tin can. Rotate can as you paint. Leave until dry... when making popcorn balls, shape them around a lollipop. Easier to eat and a sur-
prise center... cut cheese won’t dry out if you spread the cut surface with a thin coating of softened butter... double the life of window curtains by making top and bottom hems the same width; the curtains can then be reversed after each wash... Chill candles 24 hours in the refrigerator before using them so they will burn evenly and not drip... In dusting books, wipe them off edges away from the binding; keep the dirt out of the back-bone pocket... To get rid of mildew on books brush each page with a dry cloth; then open the book in a dry sunny place; if very bad, sprinkle with French chalk and close the book for several days; open and brush out... Give new life to wax flowers by dipping them in and out of warm sudsy water; rinse quickly in clear water and hang by a piece of string to dry... Deodorize jars and bottles by pouring a solution of water and dry mustard in them, then letting stand for several hours... If you love your fine china dishes put paper dollies between plates and saucers when stacking, to prevent scratches. Never, never hang cups by the handles or stack them—set them in a row, instead... Porcelain is easily cleaned with salt sprinkled on a flannel cloth... Artificial flowers look “garden-fresh” again when you remove accumulated dust this clever way: Put the flowers in a paper sack with a cup of corn meal. Then shake... Quickly and thoroughly clean your flower vases and water bottles with hot water and vinegar or household ammonia. Freshen up your wax flowers by dipping them in alcohol and swabbing them off with a soft, small paint brush.

Here are some old reliable methods for removing spots and stains... Ice Cream. Soak in cold water. Ice cream is fruit, berry or chocolate, treat stain as such. Wash in warm suks. Rinse well... Indelible Pencil Marks. Try chlorine bleach, unless color of fabric is affected by bleach... Ink. Soak in cold water. Then apply vinegar or lemon juice. Bleach remaining stains with oxalic acid solution. Rinse well, alternating with a little ammonia. Or soak in sour milk and wash in hot suks. Iodine. Wash in hot suks. Or moisten with water and expose to sunlight... Iron Rust. Stretch fabric over steaming hot water; moisten stains with clear water. Apply lemon juice sparingly, then rinse. Repeat if necessary. Or apply oxalic acid solution or sprinkle with salt and moisten with lemon juice and dry in sun. Or use iron rust soap according to directions on package... Lipstick or Rouge. Rub with lard or petroleum jelly. Wash in hot suks. If stain remains, bleach with hydrogen peroxide. Do not use soap first; it may set stain... Machine Oil Stains. Rub stain immediately with chalk, then brush well. If silk, cover spot with talcum powder, allow to stand short time, then brush off... Mercurychrome. Flush out with clear water. Treat remaining stain with chlorine bleach if color is not affected by bleach... Mildew. Wash in hot suks, moisten with lemon juice and salt, and dry in the sun. If stain is old, bleach with hydrogen peroxide. Rinse well... Mud. Dry and brush off, then launder. If stains remain, sponge white fabrics with denatured alcohol; colored fabrics and acetate rayon with carbon tetrachloride... Mustard. Saturate with warm glycerin; wash in soapsuds to which a small amount of alcohol has been added. If stain is stubborn, apply oxalic acid (10% solution) with a medicine dropper; rinse; follow with rinse of ammonia water (1 teaspoon ammonia to 1 pint water) Nail Polish. Apply nail polish remover with glass rod, using pad method. Sponge remaining stain with denatured alcohol... Beware that gaping crack around the rim of the bathtub; water splashed through it will wreck the ceiling on the floor below. Fill it with
tile cement or plastic molding specially made for the job. One thing to remember when working on plumbing fixtures: microbes breed where metal surfaces are scratched. Use a screwdriver with a sharp, square edge, and always use a smooth-paved monkey wrench. Water pipes that aren’t too solidly frozen can often be thawed this way. Turn the faucets upside down with a wrench or pliers. Then pour in a gallon or so of boiling water containing as much salt as will dissolve in it. Don’t get caught short in the dark! Tape a spare fuse inside the door of the fusebox so that you’ll have it available in the dark and at the time the emergency occurs. Hot, soapy water is all that is usually necessary to clean aluminum, plus a good rinse in scalding water. Discoloration, caused by minerals in food or water, can be removed in this way. Disolve 1 tablespoonful of cream of tartar in each quart of water. Boil this solution in the discolored utensil 5 to 8 minutes. Then wash, rinse and dry. Cleaning aluminum utensils thoroughly after each use prevents pitting of the surface. Aluminum pans don’t like their faces scrubbed with harsh alkaline soaps and cleaning powders; these “eat” away the aluminum surface. Pots enjoy being used for boiling rubber, tomatoes, or other acid foods which give them “the skin you love to touch” and look at. Whenever an aluminum double boiler or steamer is used, put ⅛ teaspoon of cream of tartar or vinegar in the water in the lower compartment. This will prevent discoloration.
Whether it's a Cattle Show, a Political Election or a Beauty Contest...

Competitor Is The Name For Sherry

By John Stanford

Sherry Bellenfant of College Grove, Tennessee loves contests. And despite the fact that she is the current Miss Tennessee Electric Cooperatives and will compete under that title in the Miss National Rural Electrification contest in Dallas, Texas the last of this month, Sherry's interests in contests are by no means limited to those primarily concerned with beauty.

For example, almost since blue-eyed Sherry entered the exciting years of teen-age she has been showing cattle in shows ranging from local 4-H contests all the way up to the Dairy Cattle Congress. Numerous ribbons and trophies attest to the fact that Sherry is as great a competitor in the show ring as she is on the beauty contest platforms.

And mention of platforms brings us to the third of Sherry's favorite types of contests: political. All you have to do to get this brown-haired beauty interested in a campaign and election is to have one and she will gladly be in the middle of it, whether it be as a candidate, speaker, speech writer, promoter or vote tabulator. It might be said that this portion of Sherry's many interests is "inherited" from her father, Joe C. Bellenfant, a College Grove businessman and farms-operator in two states, who has long been active in Williamson County and state politics.

A run-down of Sherry's many accomplishments and honors reveals a wonderful balance of beauty, brains, talent and initiative. In high school she was selected as the Most Friendly girl, Miss College Grove, a Beta Club officer, President of the Williamson County Youth Leadership Council, member of the Methodist Youth Fellowship, and youth leader in UGF, polio, heart fund and cerebral palsy drives.

Sherry spent her first college year at Shorter College, where she was elected to the Vice-presidency of her sorority and also was selected as a "campus beauty" and one of the ten friendliest girls in the school.

Sherry Bellenfant, "Miss Tennessee Electric Co-ops", poses with one of her prized Guernseys. Sherry has been successfully showing cattle for six years.

If, when walking down the street one day, you happen to see a bright-eyed beauty in a formal dress, leading a show cow with one hand and waving a political campaign placard in the other, you will know that you have seen a happy, if over-scheduled Sherry Bellenfant.

But for the five days of February 25-29, Sherry will concentrate on representing the Volunteer State as Miss Tennessee Electric Co-ops at the Annual Meeting of the National Rural Electric Cooperative Association in Dallas, competing in the Miss Rural Electrification contest on the evening of February 28.

Sherry, a gracious, charming, young lady, goes into the contest—which she describes as the greatest privilege so far in her life—with the warmest of best wishes of all Tennesseans whom she represents.

The Joe C. Bellenfants of College Grove have a continuing supply of beauties with their three daughters. From left to right are Emly Joe, 14, Delacy Ann, 4, and Sherry, 19.

Now a sophomore at Middle Tennessee State University at Murfreesboro, Sherry has been selected for membership in the Booster Club and the Buchanan Players. She added to her laurels in 1967 the titles of 2nd Runner-up in the Miss Williamson County Pageant, 1st Runner-up in the Williamson County Dairy Princess contest, and in September was chosen as Miss Middle Tennessee Electric. The latter victory qualified her for the Miss Tennessee Electric contest held in Nashville in October, which she also won to qualify for the National Rural Electrification contest to be held in Dallas, Texas the last of this month.

Sherry is nineteen, stands 5' 7½" weights 134 pounds and measures 37-25-36.

Here is the sign that greeted Sherry in front of College Grove High School after she had won the State Contest. She will compete for National title later this month.

A busy sophomore at Middle Tennessee State University, Sherry catches up on some school work while drying her hair. She lives on campus, comes home on most week-ends.
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Phone 422-5461

CHATANOOGA, TENN. 37415
5438 Dayton Blvd.
Red Bank, Tenn.
Phone 677-6474

KNOXVILLE, TENN. 37901
Hwy. 11 & 70 East
Phone 524-2776

COOKEVILLE, TENN. 38502
403 W. Spring Street
Phone 526-6145

MEMPHIS, TENN. 38118
3763 Lamar Avenue
Phone 363-3419

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Crown Franks ‘N Kraut

2 pounds franks
3/4 cups sauerkraut
1 apple, diced

Using a large needle run a heavy string through the franks about 3/4 inch from the end. Tie the ends of the string together to form a circle. Repeat the threading at the opposite ends of the franks. Pull the first string tighter than the second to form the bottom of the crown, and make the top of the crown flare slightly. Simmer the frank crown in a kettle of water for 20 minutes. Heat the sauerkraut separately together with the diced apple. Place the frank crown upright on a platter. Fill the center with the heated sauerkraut. To serve, cut the string with scissors to free the franks.

Spicy Stuffed Franks

2 cups coarsely crumbled snack cracker crumbs
4 strips bacon
2 tablespoons minced onion
1/2 cup minced green pepper
3/4 teaspoon salt
1/8 teaspoon pepper
3 tablespoons catsup
1 pound frankfurters

Heat oven to 350° F. Crumble crackers. Dice bacon and cook until crisp. In 2 tablespoons of the drippings, lightly brown onion and green pepper. Combine bacon, onion, green pepper, salt, pepper, catsup and crumbs. Split franks lengthwise almost through. Fill with cracker stuffing; place in shallow baking pan. Pour 1/4 cup water around franks and bake, uncovered, for 15 minutes or until piping hot. Makes 4 to 6 servings.

Lasagne With Meat Balls

3/4 pound lean ground beef
1/2 teaspoon salt
1/4 teaspoon pepper
1 teaspoon grated lemon rind
2 tablespoons olive oil
3 cups tomato sauce
1 pound lasagne, cooked and drained
1 pound ricotta or cottage cheese
1 pound Mazzarella cheese, cubed
1/4 cups grated Parmesan

Season beef with salt and pepper, add lemon rind and shape in balls the size of a large marble. Brown in hot oil. Cover bottom of a large 2-inch to 3-inch deep baking dish sparingly with tomato sauce. Line with half of lasagne. Dot with half the cheeses. Spread with half remaining sauce, top with meat. Cover with remaining lasagne, sauce and cheeses. Bake in 325° F. oven about 45 minutes. Cool slightly. Serves 10 to 12.

Hamburger Beef Stroganoff

1 medium diced onion
1 tablespoon butter
1 pound ground beef
1 teaspoon salt
1/8 teaspoon pepper
1 cup chopped mushrooms or 1 can mushroom soup
1 cup sour cream (not if soup is used)
1 teaspoon soy sauce

Brown onion in butter. Add ground beef, salt and pepper, cooking until brown. Add mushrooms or soup, cover and cook over low heat for 10 minutes. Just before serving, add sour cream and soy sauce. Serve over rice or noodles.

Meat Ball Stew In Daisy Biscuit

(For that impossible day!)

2 cans meat ball stew
your favorite biscuit recipe or 8 ounce package refrigerated biscuits

Arrange biscuits around edge of 9-inch pie plate or shallow baking dish. Spoon meat ball stew into center of biscuit ring. Bake in a hot oven (425° F.) for 15 minutes. Serve piping hot.

7-Layer Casserole

1 cup rice, uncooked
1 cup canned whole kernel corn, drained
Salt and pepper
1 8-ounce can tomato sauce
3/4 can water
1/2 cup finely chopped onion
1/2 cup finely chopped green pepper
3/4 pound uncooked ground beef, seasoned with salt and pepper
1 8-ounce can tomato sauce
3/4 can water
4 strips bacon, cut in half
WHY FUSS ABOUT A LITTLE DIRT... your all-electric laundry will have everything spic and span (and fluffy dry) in minutes! That's the big advantage of a modern, total-electric laundry. You can do the family's wash anytime... rain... shine... or snow. And, any hour. Don't panic when you discover late at night that Tommy needs clean pants for tomorrow... or Jane must wear that special dress. They'll be clean in minutes in your automatic washer. Pop them in the electric clothes dryer and go to bed. Everything'll be fluffy dry in the morning. ▬ You can safely launder almost any fabric in your all-electric laundry. Even delicate synthetics and the permanent press materials are safe in your electric clothes dryer. ▬ Every homemaker adores her all-electric laundry. It's safe because it's flawless. It's so convenient. Why, you'll waltz thru washday!
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.

The Perfect Life
If only we could live in peace,
And all the wars would completely cease
And everyone would try their best,
To uphold the moral test.
The test of hope, love, and life,
We'd eventually overcome the strife
No more worries, no more crime.
Never a fight at any a time.
Respect for elders, shown by all,
Would make adults feel very tall
And the children always good,
Lord, help us live in brotherhood

Rita Kirksey
Age 14
Route 1, Clarksville, Tenn.
CEMC

Deborah Parker, Age 15
Rt. No. 1
Whiteville, Tenn.
Chickasaw Elec. Corp.

Mary Linda Blackwood, Age 16
Rt. No. 1
Adamsville, Tenn.
Pickwick Elec. Co-op

Danny Patterson, Age 14
Rt. No. 3
Henderson, Tenn.
Southwest Tenn. Elec. Co-op

Teresa Humble, Age 10
Rt. No. 3, Box 172
Pikeville, Tenn.
Sequatchee Valley Elec. Co-op

Marilyn Ledbetter, Age 15
Rt. No. 3, Railroad Ave.
Shelbyville, Tenn. 37160
Duck River Electric Corp.
FEED COWS MORE AFTER CALVING

The alert cattleman will see that his cows get additional feed after they drop calves, advises John N. Williams II, University of Tennessee Extension assistant animal husbandman.

"This is especially important at this time of year when most of the nutrients are provided through silage, hay and other stored feeds," he points out.

Feed requirements for the cow increase by about 60 per cent when she calves, he explains. While the pregnant dry cow needs about 18 pounds of feed per day, she needs 28 pounds when she has her calf. The increase is necessary to produce milk and to maintain her reproductive capacity.

Research indicates that about 80 per cent of the stated amounts of feed will be adequate if the cow entered the winter in good flesh.

The following daily rations are suggested where all nutrients come from stored feeds:

- Twenty to 40 pounds of corn silage, plus 10 to 15 pounds of grass hay and one pound protein supplement, or
- Seventeen to 27 pounds mixed grass hay and one-half to one pound protein supplement, or
- Thirteen to 20 pounds cereal straw, plus three to seven pounds legume hay.

Feed the upper limits of these rations after the cow has calved.

Run cows on stalk fields and pastures as long as possible. Major minerals and salt should be provided at all times. Thin cows and first-calf heifers should be separated from the herd and fed the best feeds.

SOCIAL SECURITY IMPROVED

The Social Security Amendments recently signed into law by President Johnson provide for many improvements in the law. The more important changes are:

- Increases in monthly cash benefits which will be sent out in the checks mailed in early March.
- New benefits for disabled widows and widowers.
- Benefits for workers disabled while young.
- Amounts beneficiaries can earn without reducing benefits.
- Better protection for Armed Forces families.
- New provisions for coverage of clergymen.
- New medicaire benefits.

For more information, call, write or visit your Social Security Office.

USE 2,4-D FOR WEED CONTROL IN SMALL GRAIN

Annual winter weeds lower both the yield and quality of small grains produced, says D.M. Gossett, University of Tennessee Extension agronomist.

"Use 2,4-D for effective control of such weeds as ragged robin, mustard and vetch," he advises. "It will also give partial control on wild garlic, also called wild onion."

Apply the 2,4-D at the rate of one-half pound of acid equivalent in 20 gallons of water per acre. It can also be applied with nitrogen solution as the carrier instead of water when topdressing in the spring.

Use only the low-voltage ester forms of 2,4-D with nitrogen, he cautions. The amine formulations in nitrogen often form a precipitate and clog the sprayer.

The grain should be well tilled—about four to eight inches high—when the herbicide is applied, suggests the agronomist. The grain may be injured if the herbicide is applied at earlier stages of maturity or after the grain reaches the boot or heading stage.

Producing dairy cows should not be permitted to graze the grain sprayed with 2,4-D for seven days after application.

WEANING WEIGHTS MUST INCREASE FOR BEEF CALVES

Beef cattle producers will have to increase the weaning weights of their calves by 40 to 50 pounds in the next five years just to hold their incomes at today’s levels, advises W.P. Tyrrell, University of Tennessee Extension animal husbandman.

Most Tennessee cattlemen today use a conservative figure of $80 per year as the cost of “room and board” for a beef cow, he explains. With expected cost increases, this figure is likely to reach $90 or more within five years.

A study of prices and weights of calves sold in the organizational feeder sales during the past 10 years shows a consistent average selling weight of 450 pounds and an average price of just over 25 cents per pound, he continues.

If a cattleman with a 50-cow herd has an added cow-cast of $10 per head, he will have to produce $500 more beef just to hold his income at today’s level, he points out. If calf prices stay about the same (25 cents), he will have to raise 2,000 pounds more beef on-the-hoof to produce the needed $500. This means he will have to boost his weaning sale weight to 490 pounds per calf.

"Worse yet, if his calving percentage is 85 per cent—the estimated average for Tennessee—seven cows of his 50 will not only be costly loafers, they will contribute nothing to the beef income," he continues.

With an 85 per cent calf crop, he must have a 47-pound increase in weaning weight to stay at the same beef income level he has today, he adds. With an increase in feeder calf prices, he must still have an increase in sale weights in order to offset almost certain increased costs.

"The cattle producer is facing quite a challenge," states Tyrrell. "And he alone can make the decisions which best fit his situation." He lists a few things the cattleman can consider:

- Keep calves over for a short post-weaning feeding period if his situation justifies it.
- Increase his calving percentage through more thorough attention to every detail of production.
- Increase weaning weights by using “performance testing” in all phases of his breeding and selection program.
- Switch to more productive strains of cattle without sacrificing quality and market acceptability.
- Hope that the 25-cent level of feeder calf prices is a thing of the past. The past 10 years have told him not to depend on this one.
Up to $5200 paid direct to you (not to hospital)

NEW PLAN FOR WHOLE FAMILY PAYS YOU $100 A WEEK
for up to 52 weeks of Hospitalization

Specially developed to cover what Medicare leaves out

WE INVITE YOU TO COMPARE RATES
We pass savings on to you. The new Buckingham Family Hospitalization Plan saves you money in lower rates 2 ways: (1) Salesmen's charges and physical examinations are omitted. (2) Costly one, two and three day claims are omitted. Your benefits start with the fourth day of hospitalization in case of sickness. NOTE, however, that benefits begin the first day in case of injury.

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1. Our Plan covers everyone in family, old and young. This is a Plan that helps free you from worry about your entire family. We send $100 TAX-FREE CASH direct to you every week—up to 52 weeks ($5200) — of hospitalization for each covered member of your family over 18 paying full rates. Half rates and half benefits apply to family members under 18.

So our Plan fills the big gap in Medicare which provides only for the elderly.

2. We cover both sickness and injury. Our Plan covers hospitalization for every conceivable kind of accident and sickness except: pregnancy, childbirth or complications of either; pre-existing conditions; intoxication (of a covered person); unauthorized use of narcotic drugs; mental conditions; injury or sickness due to war or any act incident to war. Hernia is considered a sickness, not an injury. Confinement in a government hospital is not covered, nor is any person covered while in armed services of any country (but in such cases, a pro-rata refund of the premium would be made).

3. We pay $5000 auto accident death benefit. If you die within 60 days as the result of an accident to any automobile, in which you are riding or driving, we pay $5000 to your beneficiary.
DO THIS TODAY!

(Don't delay. 50,000 people enter hospitals daily.)
Start your protection immediately. Fill out application below. (Make close comparison of these amazingly low rates.) Then mail application right away. Upon approval, your policy will be promptly mailed. Coverage begins at noon on effective date of your policy. No salesman will call. No physical examination needed for this plan, you will be paid $14.28 a day.

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<tr>
<td>Each Adult 18 to 65</td>
<td>$2.40</td>
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<tr>
<td>Each Adult 65 to 75</td>
<td>4.15</td>
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<tr>
<td>Each Child 17 and under</td>
<td>1.15</td>
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- Man and Wife 18 to 65: $4.90, $52.80
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25¢ is all you send
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Weight:

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State:
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Date of Birth:
Sex:
Height:
Weight:

LIST NAME AND ALL REQUESTED INFORMATION FOR OTHER PERSONS TO BE INSURED
First Name: Initial: Last Name:
Height: FLIM. WEIGHT:
Age: Month: BIRTH DATE: Day: Year: RELATION:

NEXT—PLEASE ANSWER THE FOLLOWING QUESTIONS—THEN SIGN THE APPLICATION

Heart trouble, eye cataract, disease of female organs, sciatica? If "yes" explain fully. If "yes" explain fully. Yes □ No □

Have you or any other Family Member listed above ever had medical or surgical care or advice during the past two years? If "yes" explain fully. Yes □ No □

Arthritis, hernia, venereal disease, apoplexy? Yes □ No □

Epilepsy, mental disorder, cancer, diabetes? Yes □ No □

Tuberculosis, paralysis, prostate trouble? Yes □ No □

Mail this application with 25¢ right away to:
BUCKINGHAM LIFE INSURANCE COMPANY, 1008 N. Milwaukee Ave., Libertyville, Illinois

FEBRUARY, 1968
Mrs. Louise Johnson is Usually A Soft Spoken, Gracious Lady, but . . .

**While At Work She's A "Blowhard"**

By John Stanford

During the Korean war, Marine Gen. "Howling Mad" Smith, upon being informed that his entire outfit was completely and heavily surrounded, said, "We have them now. They won't get away this time. Attack!"

To a less involved degree but with similar courage and determination, Mrs. John Paul (Louise) Johnson of Nashville, knowing that she could "only use my mind and my hands" following an operation and convalescence several years ago, set out to master one of the oldest and most difficult of all the arts—glassblowing. And master it she has, to the extent that she is the only woman glassblower in Tennessee, one of only four or five women glassblowers in the entire nation, and the only woman in the nation to combine glassblowing and painting.

The first twenty or so of Mrs. Johnson's thirty years of marriage were not too different from any other marriage involving the raising of children. The Johnsons have a 20-year-old son in his third year of college and a 16-year-old girl who is a high school senior. She will join her brother, a pre-med student, at Tennessee Tech next September.

It was about ten years ago, at a Tennessee State Fair, that Mrs. Johnson watched a glass blower at his work. This sowed the seed, although there was not to be a blossom for awhile. Mrs. Johnson learned in rather short order that neither this glassblower, nor any other that she could find, was the least bit interested in teaching her the art of glassblowing. It became all too obvious to her that the only teaching that glassblowers do is within their own families—handing down the coveted art from generation to generation.

Discounting the availability of a personal instructor, Mrs. Johnson turned to libraries as a source of printed information on the subject, but again to virtually no avail.

But these reversals weren't about to stop this determined lady, who was obsessed with the desire to learn glassblowing.

From a previous association with a thermometer manufacturing plant, where her husband is still employed as a foreman, Mrs. Johnson had learned a few essentials about glass. She knew that glass had to be heated to become pliable and that it could be worked into many shapes. What she didn't know, and no one was willing to teach her, were the techniques of working and blowing the pliable glass into the desired shapes.

What to do? She turned to the one person who had the time, the patience and the desire to make her a glassblower: herself. She bought the oxygen burner, forceps, the blowing tube, an asbestos mat, plenty of pyrex glass—and went to work.

What took place in the next few weeks was largely a matter of trial and error for Mrs. Johnson. There were more failures than even modest successes before she achieved proficiency in the coordination of heating, blowing, and shaping the glass to the finished products of her desires.

As do most creative art glassblowers, Mrs. Johnson works with a hollow glass tube as her basic material. The tube is heated by the oxygen burner to pliability. At the cool end of the tube she attaches a swivelled device which in turn attaches to the blowing tube which she places around her neck and into her mouth. The forceps are used to handle the hot end of the tube, closing off the open end so that air may be blown into and sucked from the heated tube to change it into the basic shapes desired. The forceps are also used to make many of the external shapes. Also used outside the heated hollow tube is a solid glass rod, which is manipulated by hand to make profiles.
on "portraits", legs on animals and other exterior features, such as ears and horns.

Although glassblowing is a highly skilled art within itself, it is not a profitable one in terms of products created. Any sizeable monetary returns usually come from demonstrations rather than the sales of blown glass products. In other words, it's the entertainment rather than the product value that has become important in glassblowing.

Business along this line is steadily increasing for Mrs. Johnson, too. Among a number of other dates, she was on the program for two days at the Monteagle Sunday School Assembly, entertained at the Christmas party given annually for employees, wives, husbands and children of Middle Tennessee Electric Membership Corporation, Murfreesboro, and she appeared this past summer at the Italian Street Fair in Nashville. Her fees vary according to types and lengths of demonstration, and where the demonstration is being held. Her top fee to date has been $250 for two days engagement. Fee for a single demonstration is somewhat less.

Asked if she would recommend glassblowing to others as a vocation or hobby, Mrs. Johnson answered, "Only if a person is obsessed with the desire. There is much pleasure in attainment."

And there has been much attainment of pleasure in glassblowing to Mrs. Johnson, a shy yet fiercely determined lady who decided, while flat on her back in a sickbed, to meet a challenge—and literally rose to do it.

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**SYSTEM ANALYZER, 1115 S. State St., Rockford, Illinois 61107**
Farm Production Expenditures Will Set New Records in 1968

Farmers will spend 3% more for farm production items in 1968 than in 1967. This will establish a new record of more than $35 billion paid by farmers for production items in one year. Outlays for farm production items purchased from industry in 1968 will exceed the 3% increase expected in over-all farm production expenditures.

The record farm production spending in 1968 will be $10 billion higher than 10 years ago when farm production expenditures totaled $25.2 billion in 1958. This is an increase of 40%.

Farmers are expected to take in a record gross income from all sources (farm and non-farm) in 1968. This will total around $58 billion, compared with $57.1 billion in 1967 and $57.3 billion in 1966, the previous high.

Both the average gross income per farm and the average production expenditures per farm will set new records in 1968. The average gross per farm is likely to exceed $18,500 with farmers expected to spend $11,250 per farm for production expenditures and $7,250 per farm for personal family living.

The 1968 outlook for cash receipts is that income from both livestock and crops will be slightly higher. Livestock prices are expected to average slightly higher in 1968 than in 1967; crop prices are expected to average slightly lower—especially for feed grains and soybeans—but increased crop marketings probably will put slightly more crop money in farmer’s hands in 1968. Government payments to farmers will increase $250 to $400 million.

In 1967 farmers spent about $1.1 billion more for production items than in 1966 ($34.4 billion in 1967 vs. $33.3 billion in 1966). Expenditures for family living and investments are running about 10% under 1966 ($22.7 billion in 1967 vs. $24 billion in 1966).

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Write Today to Find Out How Easy it is to Become a Chinchilla Rancher No Obligation of Course

Your potential earnings as a Chinchilla Rancher could give you a substantial annual income. Your required investment is small when compared to your expected return. The cost of becoming a Chinchilla Rancher is from $1,500 up, depending on the number of animals you start with. Cash investments $500 up. Financing can be arranged for the balance. 6% bank financing...

This graph shows your potential yearly income for the number of breeding females listed.

Chinchillas are friendly, odorless and easy to raise.
Your dollar investment is small compared to your potential earnings. (See graph at left.)
Chinchilla raising can be done in your spare time.
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2072 South Preston Street
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FARM BRIEFS

The first 36 hours after a calf is born may determine whether or not a Tennessee cattlemen makes or loses money, says a University of Tennessee Extension animal husbandman.

If you lose only two beef calves from your calf crop, it is the same as losing your wallet with $240 in it, says a University of Tennessee Extension animal husbandman. There's just one difference—you might find your wallet, but we don't know how to get anything out of a couple of dead calves.

When something happens to slow down the growth rate of desirable pasture plants, "old man broomage" moves in, says a University of Tennessee Extension agronomist.

Begin "Operation Broomage" by renovating pastures being taken over by this pest, suggests a University of Tennessee Extension agronomist. Start by liming and fertilizing according to soil test, then reseed with legumes next spring.

Calving time is here and it will pay the cattlemen to have adequate help available on not more than 24-hour notice, advises a University of Tennessee Extension animal husbandman.

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HOME GARDENERS WRITE:

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Now you can order directly from us and receive 20 plants for only $2.00. Don't delay as orders will be accepted and shipped on a first-come, first-served basis. Order now! This offer may not be repeated. Plants will be shipped in time for planting in your locality. Free booklet available upon request. Berry, not G.O.D.

GROWING STRAWBERRIES

STEEL BEDS ARE THE ANSWER

France's Tax Guide

Issued by IRS

A sample return showing a farmer how to claim gasoline and lubricating oil tax credits is among the helpful features in the 1968 edition of the "Farmer's Tax Guide," the Internal Revenue Service has announced.

The handy, 64-page booklet, prepared in easy-to-understand style and written in everyday language, is published to assist farmers with most of their tax questions.

A feature of the "Farmer's Tax Guide" is a sample, filled-in income tax return. The schedules used by most farmers are included together with sample entries to guide them in preparing their own Forms 1040.

Each entry in the sample return for a fictitious "Mr. Brown" is keyed to an explanation in the instructions. Also illustrated in this IRS booklet are the records kept by "Mr. Brown" during 1967 and his 5-year depreciation record. The "Farmer's Tax Guide" stresses the need for good farm operation records to assure quick and simple tax filing each year.

"Important Dates to Remember" is another feature of this year's guide listing farming tax dates and tax forms and their uses.

The publication also discusses the optional method for determining net earnings from self-employment for the purpose of computing self-employment tax, which some farmers may use to get a higher social security credit.

The "Farmer's Tax Guide" is now available free of charge from county farm agents and most Internal Revenue Service offices.

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Bridal Wreath Spirea, 1 to 2 ft. 50 ea.
Grape Myrtle, Red, Yellow, 4 to 5 ft. 50 ea.
Tun Prunus, 1 to 2 ft. 50 ea.
Buckthorn, Red, White, or Pink, 2 to 3 ft. 50 ea.
Buddleia, Pink, White, or Blue, 2 to 3 ft. 50 ea.
Honeysuckle, Red, White, or Pink, 1 to 2 ft. 50 ea.
Unknown, 3 to 4 ft. 50 ea.
Plant in Sun or Partial Shade

CLIMBERS

Kentucky Coffee Tree, ½ to 1 ft. 75 ea.
Skyline Locust, (Pat. No. 1619), 4 to 6 ft. 75 ea.
Chaparral, 2 to 3 ft. 100 ea.
Red Maple, 2 to 3 ft. 75 ea.
Gum Maple, 2 to 3 ft. 75 ea.
Black Maple, 2 to 3 ft. 75 ea.
White Maple, 1 to 2 ft. 75 ea.
Golden Weeping Willow, 1 to 1½ ft. 75 ea.

FRUIT TREES — 1 to 2 years Old

Belle of Ga. Peach, 2 ft. 50 ea.
J. H. Hale Peach, 2 to 3 ft. 50 ea.
Hale Haven Peach, 2 to 3 ft. 50 ea.
Dixie Red Peach, 2 to 3 ft. 50 ea.
Golden Jubilee, 2 to 3 ft. 50 ea.
Champion Peach, 2 to 3 ft. 50 ea.
Doyenne de Pmesly, 2 to 3 ft. 50 ea.
Stark Winesap Apple, 2 to 3 ft. 50 ea.
Red Delicious Apple, 2 to 3 ft. 50 ea.
Yellow Delicious Apple, 2 to 3 ft. 50 ea.
Stark Conference Apple, 2 to 3 ft. 50 ea.
Appalachian Apple, 2 to 3 ft. 50 ea.
Lodi Apple, 2 to 3 ft. 50 ea.
Grimes Golden, 2 to 3 ft. 50 ea.
Montgomery Cherry, 2 to 3 ft. 50 ea.
Irish Summer Cherry, 2 to 3 ft. 50 ea.
Kieffer Pear, 2 to 3 ft. 50 ea.
Bartlett Pear, 2 to 3 ft. 50 ea.
Peaches, 2 to 3 ft. 50 ea.
S. N. Apple, 5 varieties on each tree, 75 ea.
Reinette, 2 to 3 ft. 50 ea.
Damson Plum, 2 to 3 ft. 50 ea.
June Plum, 2 to 3 ft. 50 ea.
Peach, 2 to 3 ft. 50 ea.

DAWRI FRUIT TREES — 1 to 2 years Old

Dwarf Cherry, 1 to 2 ft. 50 ea.
Dwarf Red Haven Peach, 2 to 3 ft. 75 ea.
Dwarf Beille of Ga. Peach, 2 to 3 ft. 75 ea.
Dwarf Stark Snow Apple, 2 to 3 ft. 75 ea.
Dwarf Yellow Delicious Apple, 2 to 3 ft. 75 ea.
Dwarf Stark Conference Apple, 2 to 3 ft. 75 ea.
Dwarf North Star Cherry, 2 to 3 ft. 75 ea.
Dwarf Kieffer Pear, 2 to 3 ft. 75 ea.
Dwarf Bartlett Pear, 2 to 3 ft. 75 ea.

VINEX — 1 to 2 years Old

Red Scarlet Honeycrisp, 1½ ft. 75 ea.
Winston, Purple, 1½ ft. 75 ea.
Clemson, White, $1.00 ea.
Grape Vines, Concord, Niagara, Luticia, Frederica.
Delawarea, Catawba, ½ ft. 50 ea.
Rice Vines, 1½ ft. 50 ea.
Gold Flame Honeycrisp, 1 ft. 75 ea.
Trumpeir Grenache, 1½ ft. 75 ea.
Yellow Jasmine, 1½ ft. 75 ea.
Van Minor, Clumps, Collected, 2 to 3 ft. 50 ea.
Halis Honeycrisp, 1 ft. 75 ea.
English Ivy or Boston Ivy, 4 to 8 inches 25 ea.
Eucalyptus Coloratus, ½ ft. 75 ea.

MUSCLE TREES — 1 to 2 years Old

Harel Nut, 1½ ft. 75 ea.
Butler Nut, 1½ ft. 75 ea.
Cherstnut, White, 1½ ft. 75 ea.
Hardy Pecan Seedlings, 1 to 2 ft. 50 ea.
Steele Pecans, 2 to 3 ft. 75 ea.
Malan Pecans, Paper Shell, 3 to 4 ft. 50 ea.
Black Walnut, Paper Shell, 3 to 4 ft. 50 ea.
English Walnut, 2 ft. 50 ea.
Shell Bark Hickory, 1 to 2 ft. 50 ea.
American Beech, 3 to 4 ft. 50 ea.
Japanese Walnut, 3 to 4 ft. 50 ea.

EVERGREENS — 1 to 2 years Old

Glassy Abelia, ½ to 1 ft. 75 ea.
American Holly, Collected, ½ to 1 ft. 75 ea.
Rhododendron, Collected, ½ to 1 ft. 75 ea.
Phaler Jenner, ½ to 1 ft. 75 ea.
Japanese Nandina, ½ to 1 ft. 75 ea.
Eva Luriea, ½ to 1 ft. 75 ea.
Budville Juniper, ½ to 1 ft. 75 ea.
Burford Holly, ½ to 1 ft. 75 ea.
Weeping Willow, ½ to 1 ft. 75 ea.
Colorful Blue Spruce, ½ to 1 ft. 75 ea.
Low Mountain Laurel, Collected, ½ to 1 ft. 75 ea.

SAVAGE FARM NURSERY

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