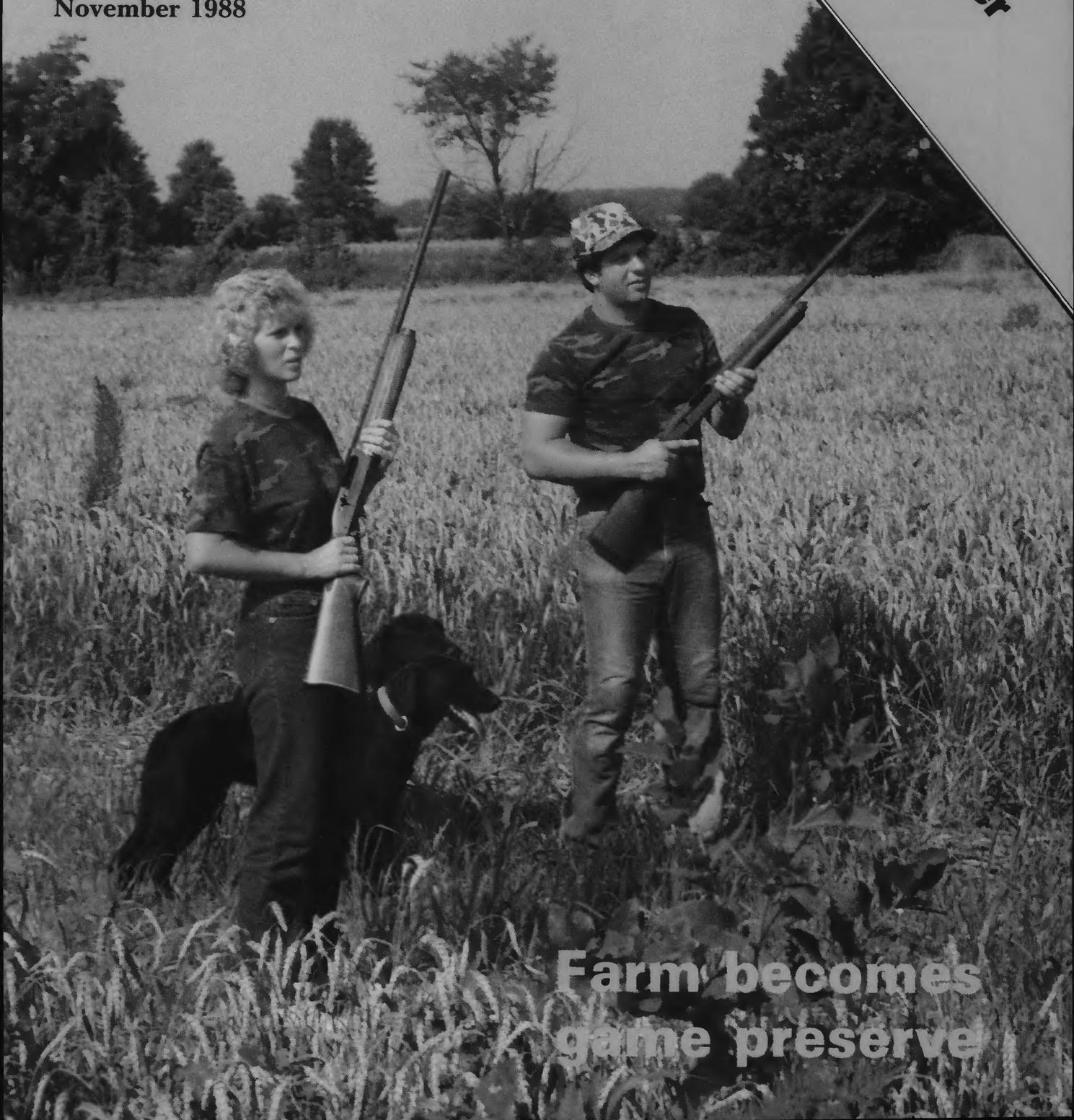


REN

Illinois Rural Electric News
November 1988

**Tighten your
home for winter**
see page 8



**Farm becomes
game preserve**

MISSING



STACIE ELISABETH MADISON

LAST SEEN: 03/19/88 EYES: Blue
 FROM: Carrollton, TX HEIGHT: 5'6"
 DOB: 06/17/70 WEIGHT: 160
 WHITE FEMALE HAIR: Blonde



SCOTT ALLEN KLEESCHULTE

LAST SEEN: 06/08/88 EYES: Blue
 FROM: St. Charles, MO HEIGHT: 4'4"
 DOB: 04/12/79 WEIGHT: 60
 WHITE MALE HAIR: Brown

If you can identify these or any other missing children, call The National Center for Missing and Exploited Children at:

1-800-843-5678
 (sightings only)

This message is brought to you as a public service by Association of Illinois Electric Cooperatives, in cooperation with National Child Safety Council.

-Safety Tip of the Month-

Make a mental note of the clothes your child wears EVERY DAY. Avoid putting your child's name on the outside of clothes or books. Children may respond to a dangerous person who calls them by name.

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If you want to personally help end this national tragedy, or need additional information, please call:

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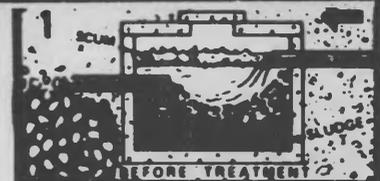
WHY SEPTIC TANKS BACK UP Septic tanks Clog, Backup and Smell because of household cleaners, which are great for dishes, laundry and floors, but kill good bacteria in your tank and cesspool that normally digest solid wastes, fats, greases and starches. Without this bacterial action solid waste builds up in your system. They overflow into and clog your drainfields, lines and back up into your tank, causing overflows and smells. Even pumping your tank will not clean out the pipes or drainfields, but SEPTIPRO® will!

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Illinois Rural Electric News

Power supply co-ops: innovators and developers

News in September that Southern Illinois Power Cooperative (SIPC) has been selected to demonstrate new clean coal burning technology serves to remind electric cooperative members in Illinois of the accomplishments and importance of the state's power supply cooperatives.

SIPC, with a generating plant on Lake of Egypt near Marion, is one of 16 recipients of funds being provided as part of the federal clean coal technology program. The project will test an innovative coal burner designed to remove a major portion of the sulfur dioxide and nitrous oxide produced when coal is burned. The potential benefits of commercial use of such clean coal technology include allowing the continued use of Illinois' higher sulfur coal by SIPC and other power generators at a fraction of the cost of installing costly scrubbers. Consumers benefit because electric power generation costs are not pushed up by more expensive pollution control equipment, and the state's coal industry benefits because of the use of Illinois coal, rather than coal from other states.

SIPC provides power to members of three Southern Illinois distribution cooperatives and has been an economic plus for the area for more than 20 years.

In 1987, the three member systems established record sales for SIPC, the fifth consecutive year of increases.

The other power suppliers in the state—Soyland Power Cooperative and Western Illinois Power Cooperative—have been busy working to assure

consumer-members of their 21 member systems of an adequate supply of fairly priced electricity. Their successful efforts to refinance high interest loans and restructure debt to hold down costs have assured stable rates for the more than 150,000 members of the member systems.

In addition, after considerable study and evaluation, Soyland and WIPCO determined that it would be in the best interest of consumers to merge the power suppliers into one power supply cooperative. Officials of the two power cooperatives estimate the savings produced by their efforts to be approximately \$65 million over the next 10 years.

Soyland has developed a most aggressive economic development program to help member systems assist in supporting the rural economy and also established itself as a statewide distributor of the high efficiency WaterFurnace ground source heat pump.

For more than 50 years, Illinois electric cooperatives have been responsible for providing adequate supplies of reasonably priced electric power to consumers across the state. For many years, long-term power supply agreements with investor-owned utilities met their needs, but it hasn't been that way for quite some time now. The electric cooperatives found that they must rely on themselves for their bulk power needs. Recent events involving the power supply cooperatives emphasize why they are so vital to the present and future welfare of the distribution electric cooperatives of Illinois.

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Larry F. Elledge
Editor

Gordon M. Olsen
Managing Editor

Jack D. Halstead
Associate Editor

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REN

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Cover: Dawn and Mike Kovarik are framed against sunflowers as they hunt doves at a game preserve in Franklin County operated by Dawn's father, Norris Webb.

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Franklin County farmer M. Norris Webb has found a new use for his farmland. Years of ups and downs—heat, cold, too much moisture, too little moisture, high prices, low prices, beneficent government policies and not-so-beneficent government policies—made things rough at times.

Always, though, there was a rebound.

Webb was one of the many farmers caught in the downward spiral, and he took a long, hard look at his operation not long ago. Like many farmers, he didn't like what he saw. "I've farmed for years and raised four sons and a daughter," the Frisco farmer says with

that. The main job involved covering the inside with chipboard, which turned out to be a little more of a chore than expected. "Every piece in here's custom-cut," Webb says, "because the building's awfully old, and there wasn't a square corner in it. When the boys were growing up, this was where they worked on their cars all the time."

Anyway, he added a freezer, refrigerator, snack food counter and a card table. There are sandwiches, drinks, snacks and ice available, and Norris also sells a line of Frisco Game Preserve caps and t-shirts. The farm is in the service area of Southeastern Illinois Electric

Game preserve replaces farm

a laugh, "and I think I may have farmed a few years too long."

He decided to try something else. An avid hunter with a lot of land he couldn't depend on to farm profitably any more, he decided to put most of his land into the 10-year conservation reserve farm program, in which he agrees not to put the land into crop production for that length of time, although he may use it for other purposes.

He decided to try a game preserve. A natural for a real hunter, you might think, but it was a painful decision, too, in a way.

"To have good game habitat," he says, "you have to practice what I call 'lousy farming.' You let your fencerows grow and have weeds all over the place, and that really hurts me, since I farmed carefully all those years. But now I've come to like such plants as foxtails and ragweed and the like, and I never thought I'd see that happen. My dad farmed the place just to the west," he continues, "and my great-grandfather farmed the northern part of this property, and I bought my place in 1958. We all took pride in farming just right."

The farm boasted a nice 20x30-foot garage—made of oak—that would lend itself nicely to conversion to a clubhouse, and Norris set to work on



Cooperative.

A taxidermy shop went into the building, too. Norris is a registered taxidermist, and will turn a good trophy into a permanent one, if the customer desires. He will also dress out birds for those who'd rather not perform that little task. He charges a dollar a bird, and provides a sink and counter outside for those who do their own.

But for all that to be necessary, there first have to be trophies, and Norris provides them. While there are many quail, deer and rabbits native to the area, there aren't nearly enough of them to keep a good game preserve hopping, so Norris stocks the area with doves, pheasants and additional quail. He adds chukar partridges to the mix, too.

To encourage the birds to stay, he plants food and cover crops for them. "I wanted to set the place up so we could hunt doves over sunflowers," he says, "so I had to get permission from the local ASCS office to plant sunflowers, and I had to promise not to harvest

them, too, since they can be sold as a cash crop. But I wanted them for bird habitat."

The local ASCS office, he notes, has "bent over backward" to cooperate with his efforts.

Those holding Franklin County deer hunting permits can hunt deer on the 500-plus acre preserve, and a long, winding, tree-lined creek provides food, shelter and cover. Bows or shotguns are permitted.

Norris has set up a club for those who want to hunt on a regular basis, and also has a fee schedule for nonmembers that should be agreeable to everybody.

"We're a little difficult to find," he says, "because while Frisco is on the official Illinois state maps, we lost out on some of the atlases and other maps. But there's a good map on our brochure—along with a lot of other good information—and we'll send one to anybody who's interested." The address is Frisco Game Preserve, Route 1, Ewing, IL 62636.

Mike and Dawn Kovarik watch for doves. Dawn is the daughter of the game preserve owner, Norris Webb.



BRIEFLY

News items of interest to members of Illinois electric cooperatives

Hunter resigns as REA Administrator

Harold Hunter resigned as REA administrator October 28 after more than seven years at the agency's helm. Hunter's announcement in September coincided with news that Office of Management and Budget Director James Miller III, a point man in the Reagan Administration effort to kill off the REA, also was resigning. Hunter, a native of Oklahoma, said he plans to go back to farming and ranching on the farmstead where he was born. Even with his swan song, however, Hunter returned to the themes that have dominated his REA service under the Reagan Administration. He called on electric cooperatives to consider bringing an end to the agency's 5 percent loans, or at least prohibiting such loans to what he called "urbanized" co-ops. Despite an often rocky relationship with the nation's rural electric and telephone co-ops, Hunter said he enjoyed the job he held for almost eight turbulent years. "I have loved this responsibility," he said. Jack VanMark, Hunter's deputy, is expected to run REA until a new President takes office in January.

IALF selects participants for fourth leadership class

The Illinois Agricultural Leadership Foundation (IALF) has selected 30 Illinois agriculturalists to participate in its fourth two-year leadership development program. These 30 individuals — the Class of 1990 of the Illinois Agricultural Leadership Program (IALF) — will meet for 14 seminars over the next two years, including a national seminar in 1989 and an international seminar in 1990. Those selected to participate are: Jeffrey Adams, Bloomington; Randy Adkins, Durant; Dan Beccue, Chatham; Ronald Bend, Earlville; Arthur Bingham, Clare; Alvin Brandenburg, Peoria; Kenneth Bryant, Princeton; Max Comstock, DeLand; Kenneth Elmore, Waggoner; Michael Epperson, Payson; Dwain Ford, Kinmundy; Alan Forristall, Princeton; Jeff Galle, Perry; Randy Grove, Macomb; Susan Harbaugh, Newman; Dan Hennenfent, Galesburg; Fritz Kuhlmeier, Dakota; Arthur Lehmann, Strawn; Dan Nafziger, Normal; Ann Olson, Frankfort; Steve Postlewait, Bement; Robert Rhea, Camp Point; Victor Riddle, Wapella; Doug Schroeder, Bellflower; Bruce Stickers, St. Joseph; Roger Twenhafel, Murphysboro; Lynn Walters, Delavan; Steve Weber, Geneseo; Kent Western, Jacksonville, and Dan Wujek, Granville.

Rural TV signs up 200 viewers a day

This summer's agreement between the National Rural Telecommunications Cooperative (NRTC) and six popular programming services has paid off with a fivefold increase in signups — from 40 a day to 200 — for Rural TV, the package of descrambled satellite television programs offered through NRTC to rural electric cooperative consumers. "It's been very well received," said Bob Phillips, NRTC chief executive officer, of the agreement that allowed Rural TV to add Home Box Office, The Disney Channel and four other popular program services to its other offerings. Rural TV was signing up 200 new members a day within two weeks of offering the popular new channels, Phillips said. "We hope to sustain that right through the fall."

Administration eases gas mileage standards

For the fourth year, the Reagan Administration has eased federal gas mileage standards to the delight of the nation's largest automakers and to the ire of environmentalists. The Transportation Department, responding to pleas from Ford Motor Co. and General Motors Corp., eased federal fuel economy standards for the 1989 model year to 26.5 miles per gallon. The controversial decision is intended to "enhance U.S. global competitiveness and protect jobs in the automotive sector of the U.S. economy," the Department said. The 1989 standards would have been 27.5 miles per gallon under a 1975 law that created the corporate average fuel economy program, or CAFE, to reduce fuel consumption and ease pollution. Under the program, automakers have had to meet progressively tougher fuel economy averages each year for their car fleets or face stiff fines.

Congress sets budget for rural electric lender

The Rural Electrification Administration (REA), the Agriculture Department agency that lends money to the nation's 1,000 rural electric cooperatives, will be funded at much the same level during this fiscal year as it was in fiscal 1988. Congress has authorized the 53-year-old agency to guarantee between \$813 million and \$1.96 billion worth of loans made by the U.S. Treasury's Federal Financing Bank to large generation and transmission co-ops. Also, REA may make between \$622 million and \$933 million worth of loans directly to rural co-ops that distribute but do not generate electric power. In order to retain these lending levels, however, congressional supporters of the consumer-owned rural utilities had to give up a plan to require REA to start a rural economic development unit, made up of about a dozen employees to help rural electric co-ops promote economic development in their communities, a popular proposal that may resurface later.

How to get information about radon

Illinoisans interested in learning more about radioactive radon gas and its potentially harmful health effects should contact the Illinois Department of Nuclear Safety, Office of Environmental Safety, 1035 Outer Park Drive, Springfield, IL 62704, or call the department at (217)786-6024. In the October issue of the Illinois Rural Electric News, telephone numbers to call for information were listed; those numbers are no longer in service. Radon is a colorless, odorless, tasteless radioactive gas. It comes from the natural decay of uranium and can be found in soils and rocks containing uranium. Outdoors radon is diluted to such low levels that it causes few health problems. However, it can accumulate in a home. The federal government recommends testing all detached and row houses and all apartments from the second story down. The basic advice to residents is to buy a test kit and either ventilate or seal the home if the test results indicate dangerous radon levels.

Electricity demand to climb

Demand for electricity will climb 2.4 percent a year for the next dozen years in this country, the Energy Department estimates. That estimate is almost twice the expected 1.3 percent annual growth in all energy use. Meanwhile, this summer's long drought and scorching temperatures sent demand for electricity soaring, setting records at Midwestern utilities. High temperatures, coupled with a resurgence of industrial production, sent demand at some utilities to levels that were not expected for several years. The worst drought since the Dust Bowl days of the 1930s has dried up rivers that produce hydroelectric power, closing hydro plants and increasing electric bills for consumers. Some Western power agencies predict that the drought's impact will be felt most severely during the fall and winter because they depend on winter snow to fill their reservoirs.

\$1 million pledged for rural health

The federal government will give five institutions more than \$1 million for establishment of rural health centers to study and publicize health issues. "The five centers will supply needed information on the effect of health policy changes on the availability of health care in rural areas," said Health and Human Services Secretary Otis Bowen. Receiving the awards are: University of Arizona Medical Center; University of North Carolina; University of North Dakota; University of Washington Medical School, and Marshfield Medical Research Foundation (Wisconsin). Also, the National Rural Health Association, located in Kansas City, Mo., was awarded \$69,000 to support publication of its Journal of Rural Health and to develop a compendium of rural health research projects.

Rural leader pushes rural development

Rural people must look beyond the farm economy to the "broad trends reshaping and restructuring our economic, political and social life," a spokesman for the nation's 1,000 rural electric cooperatives told the Rural Sociological Society. Bob Bergland, general manager of the National Rural Electric Cooperative Association, which represents the rural utilities in Washington, D.C., told a gathering of the group that upgraded transportation in rural areas, access to capital and state-of-the-art technology, retraining and education and telecommunications are avenues that can bring economic development to sparsely populated towns. Bergland pointed to the work of rural electric cooperatives around the country that are supplying their communities with much more than electrical service. A Mississippi co-op, for example, is upgrading its service area by helping to build roads and sewer systems, combat illiteracy and recruit new industry. Bergland said local rural electric co-ops are bringing satellite television to their consumers through the National Rural Telecommunications Cooperative.

Caulking

Weatherizing a home is doing whatever is necessary to reduce air infiltration. Caulking is one of the easiest methods to achieve a tighter home, according to the Illinois Department of Energy and Natural Resources and the Small Homes Council-Building Research Council of the University of Illinois.

Caulking compounds are materials used to fill and seal cracks and holes in houses where wind or water might enter. Reducing the outside air infiltration will lower your home heating and cooling bills. Some of the places where caulking compounds should be applied are:

1. Windows

Joints between window frame and siding.
Between the window sill and siding.
Where the storm window meets the window frame, except at the window sill.

2. Doors

Joints between door frame and siding.

3. Siding and foundation

At corners formed by siding.
At sill where wood structure meets foundation.
Between porches and main body of house.
Where overhang meets masonry walls.

4. Chimney

Where chimney or masonry meets siding.
Where chimney meets roofing (to prevent water leaks).

5. Outside service

Around outside water faucets, dryer vents, etc.
Where gas and electric service enter the house.
Where telephone service enters the house.

6. Inside

Where pipes and wires penetrate the ceiling below an unheated attic.

Do not caulk the holes that are commonly found in the vertical mortar joints along the bottom of brick walls. These weep holes are to drain moisture that penetrates the wall. They may be closed with a piece of rope, which will wick out the moisture.

Also, do not caulk the bottom of a combination

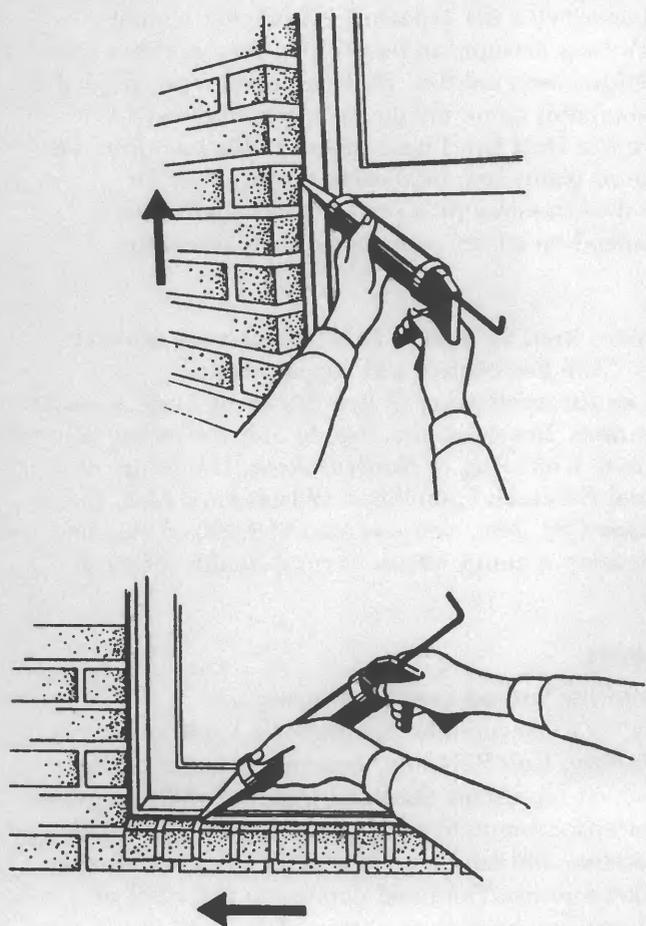


Figure 1. Push method of caulking

Table 1. Caulking compounds

Base	Special uses	Durability	Adhesion	Paint	Cost
Oil or Resin	Will bond to most surfaces	1-7 years	Fair to good	Should be painted	Lowest cost
Latex, butyl, polyvinyl	Butyl is good for metal to masonry, continuous wetting	2-10 years	Good to excellent	Optional. Paint latex when used outdoors.	Intermediate
Elastomeric, includes silicones, polysulfides, polyurethanes	Silicone is good for around a bathtub. High moisture resistance	20+ years	Excellent	Optional. Be sure to read label as some cannot be painted	Most expensive

screen and storm sash. It is necessary to allow drainage of the water that can accumulate between the window and the combination frame when the window is open and the screen is in place.

Table 1 lists three classes of caulking compounds and gives some of the characteristics of each type. In addition to studying Table 1, be sure to read the labels on the caulking-compound tubes before you buy. There is a variety of caulking compounds within each base type. Acrylic-latex caulk gives good results for many jobs, but is not as long-lasting as other caulks when used outdoors. This is because it dries and shrinks with exposure. A silicone-based or polysulfide caulk will retain its elasticity over time and, thus, will require recaulking less often.

- Ladder safety.** Place the ladder on a solid base. Never stand on the top two rungs of a step ladder.
- Temperature.** The outdoor temperature should be 50 degrees F or above.
- Nozzle.** Cut the nozzle of the caulking tube on a 45 degree angle. Many nozzles have marks indicating a small, medium or large bead.
- Seal.** Push a long nail or screwdriver into the end of the nozzle to puncture the inner seal. If you try to break this seal by squeezing the gun trigger, you may break the gun.
- Start.** Place the nozzle at the point where the window meets the exterior wall. The angled cut of the nozzle should be turned toward the crack to be sealed.
- Pull method.** Squeeze the gun trigger until the caulking starts flowing. Slowly, while continuously squeezing the trigger, pull the gun toward you. Adjust the speed of movement of the gun to the time needed to fill the crack. Since caulking tends to contract when drying, the crack should be overfilled, but not enough to look messy.

- Push method.** Some applicators push the gun away from them rather than pull it toward them. This presses the caulking into the crack and gives a smoother fill, but is a difficult method to master (See Figure 1.)
- Smooth finish.** In order to obtain a smooth finish, some practice is required. Hardware stores sell an inexpensive tool to smooth the ribbon of caulk, or you can use your finger dipped in water.
- Stop.** Release the trigger and the flow will stop. However, some oozing may continue until the pressure on the plunger is released by turning the handle. Clean any excess caulking from the nozzle with a rag.
- Clean-up.** If any caulking remains in the tube, relieve the pressure from the gun by turning the plunger. Push a large nail into the tube nozzle to prevent air from drying the caulking.
- Painting.** Wait 24 hours before painting over the caulking. Some caulking materials come in colors that may match the existing paint. Others cannot be painted.
- Wide cracks.** Before caulking extra-wide cracks, fill the space with oakum, polyethylene foam backer rod, glass fiber insulation, etc. (See Figure 2.) The caulk should be no deeper than the crack is wide.

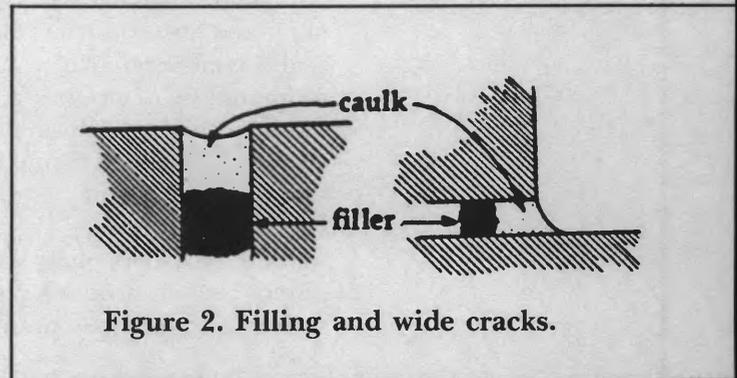


Figure 2. Filling and wide cracks.

We spend so much of our time in the home during the winter that it is natural for us to seek comfort. Comfort comes from a combination of many things: insulation, adequate ventilation, adequate heating and adequate heat distribution.

Many people can remember the old wood or coal stove that sat in the mid-

room. They may not realize that the size of these ducts will affect the quality of heat received in the room. They do not understand that fast-moving air is uncomfortable and that the faster-moving air may not pick up enough heat from the furnace to heat the home. The opposite is also true. If there is not enough air, the right amount of heat will not reach the room.

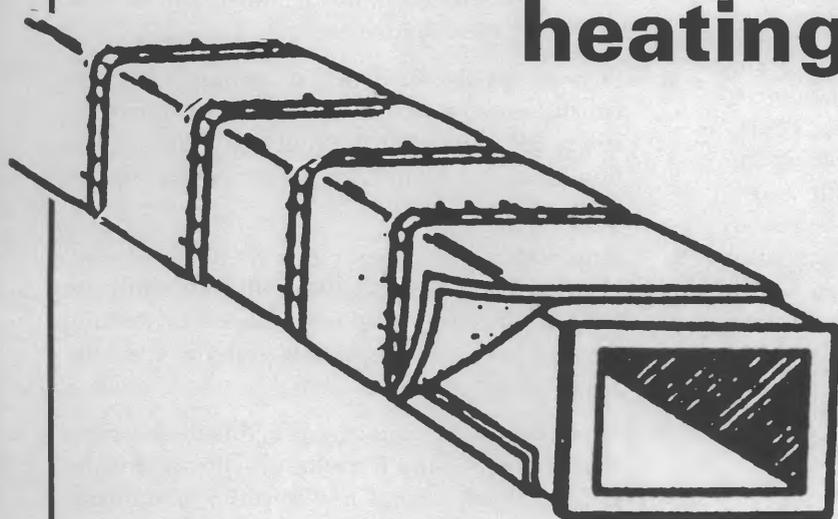
The operating cost of the heating system can be affected by the adequacy of the ducting system. You may try to compensate by turning up the thermostat setting, or the thermostat may not sense the correct temperature because the system does not bring the heat to the thermostat.

Also important is the insulation of the supply and return air pipes that are located outside the heated area. Many people refer to the return air as the cold air return. Because of this, some feel that this duct does not need to be insulated since it is cold. This may be a costly mistake because the duct has air at the same temperature as the inside of the house. The return is taking air from the inside of the house back to the furnace. This cooler air is then reheated and returned to the home. If the air temperature cools off because of the lack of duct insulation, additional energy is used to increase the temperature. This is additional energy that the consumer must pay for. It also may contribute to uncomfortable conditions in the home.

The supply ducts should be insulated because they are carrying high temperature air that has more heat to lose. When the air cools, more air and heat must be supplied to the room. This may create an uncomfortable feeling in the home.

Sometimes a consumer may not be able to determine whether there is an adequate ducting system in the home. The best thing to do is to contact a qualified heating contractor to inspect the ducting system. Normally there are only minor changes to be made to greatly improve the quality of a ducting system. These changes generally are worthwhile because they often increase home comfort and bring about savings on home heating bills for years to come.

Heating duct system important to overall heating



dle of one room and often were used to heat more than one room. The room with the stove was always hotter than the room without the stove. There was enough heat for both rooms, but the distribution of the heat was not adequate.

Today's heating systems overcome this problem with the use of heating ducts that can deliver the right amount of air and heat to each room. The duct system is engineered by heat loss in each room and by determining the volume of air needed to deliver the BTUs required to heat that room. Ducts are a critical component of the heating system.

Some installers may see the duct system only as a delivery system consisting of some pipes running to each

The warmth of a friendly room . . .



and the warmth of clean, safe electric heat

Whether you're having a house full of friends and family or just a quiet evening alone, you can ward off the chill of winter with a portable electric heater.

Many homeowners have found that they can save money if they lower the thermostat on their central heating system and use an electric space heater for their main room or rooms of the most activity.

Today's efficient portable electric heaters are available in many sizes and styles. They promise: no fumes or flames, no wicks to replace, no lighting or messy refueling, no excessive moisture buildup from combustion, and no ventilation worries from harmful gases.

Before the onrush of the holidays, call your member-owned electric cooperative. We will help you choose the right heater with the right safety and operating features for your home.

Electric Cooperatives of Illinois



Good for ALL Illinois

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LEMON ANGELS

Yellow, red and green food color
 1 3/4 cups flaked coconut
 1 cup (2 sticks) butter
 1 1/2 cups sifted confectioners sugar
 1 egg

1 teaspoon vanilla extract
 2 1/4 cups all-purpose flour
 1/2 teaspoon baking soda
 1/2 teaspoon salt
 1 tablespoon grated lemon peel

To tint coconut, blend 2 to 3 drops of 1 food color with a few drops of water in a jar. Repeat for each color. Add 1/3 cup of coconut to each jar; cover and shake vigorously until coconut is desired color. Drain on paper towels. For cookies, cream butter; gradually add sugar and beat until light and fluffy. Beat in egg and vanilla. Sift together flour, soda and salt; gradually add to creamed mixture. Blend in lemon peel. Divide dough in thirds; cover and chill. For each third, roll teaspoonfuls of dough in one color of coconut; shape to form balls and place on unbuttered cookie sheets. Bake 10 to 12 minutes at 325 degrees. Remove immediately to wire racks to cool. Makes 7 dozen.

SHRIMP DIP

1 lb. chopped shrimp
 8 oz. cream cheese
 1 small carton sour cream
 1/3 cup mayonnaise
 3 tablespoons chili sauce

2 teaspoons lemon juice
 1 tablespoon minced onions
 1/4 teaspoon Worcestershire sauce
 1 large pinch of sugar

Mix all of the ingredients except the shrimp. Add the shrimp last to the mixture. Chill and serve.

PECAN PRALINES

3 cups sugar
 1 cup evaporated milk
 2 tablespoons butter

3 cups pecans
 1 teaspoon vanilla

Brown 1 cup sugar in thick skillet. Combine 2 cups sugar, 1 cup milk and butter in thick boiler, let come to a boil. Add caramelized sugar, let cook until it forms a soft ball in cold water. Add nuts and vanilla. Beat until creamy, drop on waxed paper.

SOUTHERN PECAN PIE

3 eggs, slightly beaten
 2 to 4 tablespoons butter, melted
 1/2 cup sugar
 1 cup corn syrup

1/2 teaspoon salt
 1 teaspoon vanilla
 1 cup pecans

Combine all ingredients except pecans in order given and mix well. Sprinkle nuts over pie shell; cover with egg mixture. Bake at 400 degrees for 10 minutes, reduce heat to 325 degrees and bake additional 40 minutes.

SNOWBALL SALAD

9 oz. non-dairy whipped topping
 1 cup sour cream
 1/2 cup sugar
 2 tablespoons lemon juice

2 or 3 mashed bananas
 1 large can crushed pineapple, drained
 1 cup chopped pecans
 1/2 cup maraschino cherries, cut up

Mix non-dairy whipped topping, sour cream, sugar and lemon juice. Add bananas, pecans, pineapple and cherries. Pour into large dish. Chill overnight or freeze. Better if frozen.

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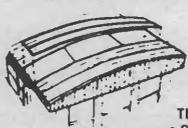
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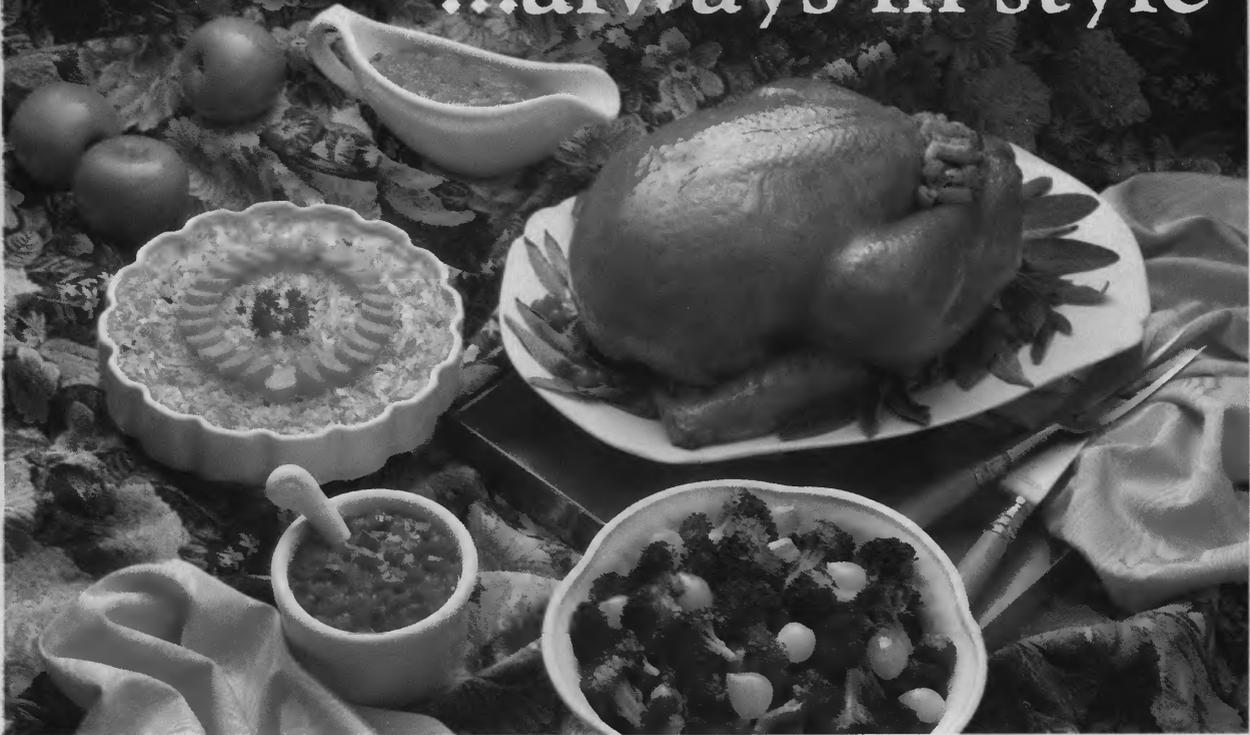
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3. Stuff neck and body cavities lightly, if desired. Turn wings back to hold skin in place. If untucked, return legs to tucked position. No trussing is necessary.
4. Place turkey, breast side up, on flat rack in open pan, about 2 inches deep. A handy Turkey Lifter is packed with each turkey.
5. Insert meat thermometer deep into thickest part of thigh next to body, not touching bone.
6. Brush skin with oil to prevent skin from drying. Further basting is unnecessary.
7. Roast at 325 degrees. When skin is golden brown, shield breast loosely with lightweight foil to prevent over-browning.
8. Check for doneness. Internal thigh temperature should be 180 to 185 degrees; center of stuffing, 160 to 165 degrees. Thick and drumstick meat should feel soft. When thigh is pierced, juices should be clear, not pink.
9. Let turkey stand 15 to 20 minutes for easier carving.

CARROTS LE CREME

- | | |
|--|---|
| 1 to 2 large carrots, sliced thin | 1/2 cup chopped fresh parsley |
| 3 tablespoons margarine or butter, divided | 1 1/4 cups half and half or light cream |
| 2 tablespoons shredded onion (1 small) | 1 egg, beaten |
| 4 cups shredded carrots (about 1 lb.) | 1/4 teaspoon salt |
| 1 tablespoon flour | Dash ground white pepper |

Preheat oven to 350 degrees. In medium saucepan cook sliced carrots in small amount of boiling water 3 to 4 minutes or until crisp-tender; drain and set aside. Melt 2 tablespoons margarine or butter in large skillet. Add onion and shredded carrots; cook and stir over medium heat until carrots wilt. Sprinkle flour and parsley over shredded carrots; stir to mix in. Place carrot mixture in buttered 9-inch round glass baking dish. Combine half and half or light cream, egg, salt and pepper. Pour over carrot mixture. Arrange cooked sliced carrots in circular pattern over shredded carrots. Melt remaining 1 tablespoon margarine or butter; brush sliced carrots. Bake in oven 30 minutes or until set. Makes 8 servings.

COUNTRY GIBLET GRAVY

- | | |
|---|--|
| Turkey drippings from roasting pan (broth and fat) | 2 tablespoons Dijon mustard |
| 1/2 cup flour | 1/4 teaspoon salt |
| 2 1/2 cups turkey giblet stock (recipe follows) or canned chicken or turkey broth | Ground black pepper |
| | Chopped cooked giblets and neck meat, optional |

Remove turkey from roasting pan. Pour pan drippings into large measuring cup; fat will rise to top. Return 4 tablespoons fat to roasting pan. Discard remaining fat; reserve broth (about 1 1/2 cups). Blend flour and fat. Gradually add reserved broth. Place roasting pan over medium heat. Bring to a boil, stirring constantly. Continue cooking 3 to 5 minutes more. Remove from heat. Blend in mustard, salt and pepper. Add giblets if desired. Makes 3 cups gravy.

TURKEY GIBLET STOCK (make white turkey roasts)

- | | |
|--------------------------|---|
| Turkey giblets and stock | 1 sprig parsley |
| 1 large onion, sliced | 1/8 teaspoon coarse ground black pepper |
| 2 carrots, sliced | 2 quarts water |
| 2 dried bay leaves | |
| 2 cloves garlic, sliced | |

Simmer all ingredients except liver in large saucepan, uncovered, for 1 1/2 hours. If necessary add water to keep giblets and neck covered. Add livers and simmer 30 minutes more. Strain stock; add enough water to make 2 cups. Refrigerate. If desired, chop giblets and neck meat; refrigerate until needed.

DIJON BUTTERED BROCCOLI

- | | |
|--|-----------------------------|
| 8 cups broccoli flowers (about 1 1/4 lbs.) | 1/3 cup margarine or butter |
| 1 jar (16 oz.) canned whole small onions | 4 teaspoons Dijon mustard |

Cook broccoli until crisp-tender; drain. Heat onions in juice; drain. Add onions to broccoli. Melt margarine or butter; stir in mustard. Pour butter mixture over vegetables and toss. Makes 8 servings.

FRESH CRANBERRY CHUTNEY

- | | |
|-----------------------------------|-----------------------|
| 2 cups fresh cranberries, chopped | 1/2 cup sugar |
| 1 medium onion, chopped | 1/4 cup Dijon mustard |
| 1/2 medium green pepper, chopped | |

Combine all ingredients in medium saucepan. Simmer uncovered 10 minutes, or until cranberries are tender, stirring as needed. Chill. Makes 2 cups. **Microwave Directions:** Combine all ingredients in 4-cup glass measure. Microwave on High (100%) uncovered for 5 minutes. Stir. Microwave on High 3 minutes longer or until cranberries are tender. Chill. Makes 2 cups. **Note:** Cranberry Chutney may be made 2 days ahead and refrigerated in a covered container.

Three honored for service to cooperatives

Three people have been recognized with cooperative recognition awards by the Illinois Cooperative Coordinating Committee as part of October Cooperative Month activities.

Honored for their contributions to cooperatives were: Glenn Webb, president and chairman of the Board of GROWMARK, Inc., selected for the Cooperative Member Director award; Bill Endicott, retired manager of Wayne-White Counties Electric Cooperative, for the Cooperative Manager award; and William R. Oschwald, retired director of the University of Illinois Cooperative Extension Service, with the Friend of Cooperatives award.

Webb was also selected National "Cooperative Statesman." Webb, of Tunnel Hill, has been a director of the regional farm supply and grain marketing cooperative based in Bloomington since 1965, and he has been board chairman since 1980. In addition, he has been deeply involved with the cooperative banking system and currently serves as chairman of the board of the St. Louis Bank for Cooperatives and is a director of the Central Bank for Cooperatives.

Endicott, recipient of the Cooperative Manager award, lives in Fairfield and was general manager of Wayne-White Counties Electric Cooperative from 1977 until October of this year. He was a director for Soyland power Cooperative since 1977 and served as

chairman of its Finance Committee.

Endicott was vice president of the Association of Illinois Electric Cooperatives Managers' Association from 1983-84 and served as its president from 1984-85. He has served as chairman on a number of committees for this group, and headed the Continuing Education Committee until his retirement.

Oschwald, the Friend of Cooperatives award recipient, has a long and distinguished record with the University of Illinois and the Cooperative Extension Service. He graduated from the U of I in 1950 with a B.S. degree in general agriculture and earned an M.S. degree in agronomy in 1952.

From 1952-65, he served as an Extension agronomist in Iowa where he assisted in the planning and implementation of various soil management and crop production programs across the state. He earned a Ph.D. in soil morphology and genesis and agriculture economics (a co-major) from Iowa State University in 1965. He joined the Agronomy Department at the University of Illinois in 1966.

Since 1966, Oschwald has been heavily involved in teaching and research work at the university and has published a number of scientific papers. He was named associate dean for the College of Agriculture and director of the Cooperative Extension Service in 1980.

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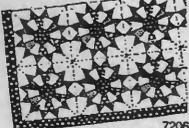
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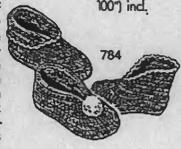
6043: Easiest-ever pullover you'll wear from dawn to dusk. Crochet of baby yarn; use bedspread cotton for the separate collar. Directions for Sizes 8-48.



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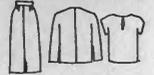
4088: A sensational suit that's easy to sew. The buttonless, unlined jacket tops a pull-on skirt. Misses Sizes S (12-14), M (16-18), L (20-22), XL (24-26) included in pattern.



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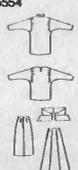
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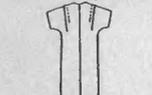
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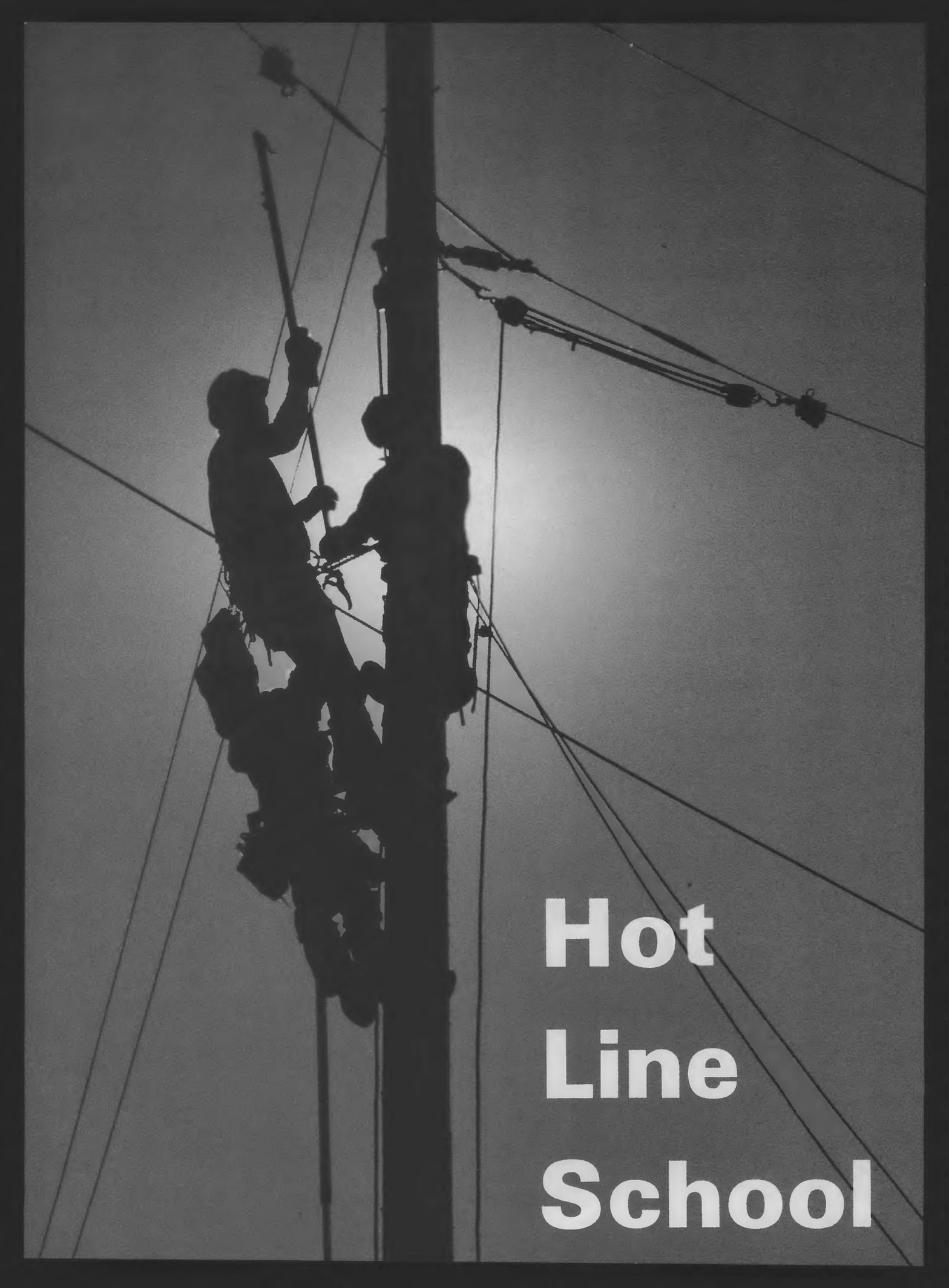
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A black and white photograph showing the silhouettes of utility workers on a power line tower. The workers are positioned on a central vertical pole, with various cables and equipment visible. The background is a bright, clear sky, creating a high-contrast silhouette effect. The overall scene conveys a sense of industrial activity and safety.

Hot Line School

Years ago, many electric co-ops notified their members of planned outages by postcard. And, occasionally, the co-op would receive a card from an isolated member just mentioning that, for some reason, the electricity wasn't on. Often the card would conclude, "If you can get around to it before too long, we'd appreciate it if you could turn our power back on."

Things are different now, in the days of motor-driven furnaces and a variety of electrical appliances and electronic devices. Now, if a pole starts to lean, the phone in the co-op office is ringing before the pole hits the ground.

And that's as it should be. Co-op members deserve reliable electricity. That's what the Illinois Electric Cooperative Hot Line School is all about. This year's school was held during the first three weeks of October, and students and passers-by on the campus of Lincoln Land Community College, Springfield, were treated to the sight of men and machines working on poles and lines that seemed to go nowhere. And that's exactly where they go: nowhere.

They were designed to be like the power lines in rural areas, but the un-insulated wires are missing one ingredient — the 7,200 volts that normally flows through the lines. The crews were busy perfecting their skills so they can work on "live" lines, to minimize the need for the planned outages that were so bothersome in the past.

Ninety-five line personnel from 18 Illinois electric cooperatives and 16 municipal utilities honed their skills in the classroom and on the field during the school. Forty-eight electric cooperative personnel and 47 municipal employees participated as students. Cooperative instructors included Dave Bowen of Coles-Moultrie; Dale Deppe of Egyptian; Alan Schweighart, Larry Carter and Lyle Kofoot of Eastern Illini; Mark Bradley of Menard; Rick Rainey and Gary Chesney of Tri-County; Bruce Hill and Chuck West of Corn Belt, and Myron Johnson of Clinton. Two veteran instructors, retirees George Klaus of Illinois Rural and Dick Hillgoss of Eastern Illini, shared their experience.

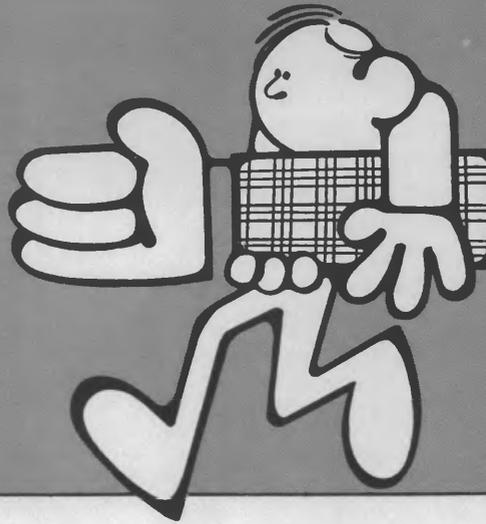
Seven cooperatives provided trucks or other equipment. They were Corn



Belt Electric, Bloomington; Illinois Rural Electric Co., Winchester; Coles-Moultrie Electric, Mattoon; Eastern Illini Electric, Paxton; Menard Electric, Petersburg; Rural Electric Convenience, Auburn, and Monroe County Electric, Waterloo.

Hot Line School participants use a dummy to practice moving an injured person from a line truck bucket.

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2. Advertising copy must be in the Illinois Rural Electric News office no later than first of month preceding month of publication.
3. All ads must be in one paragraph form. No centered copy. Maximum of four all-capital words per ad.
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5. Please type or print your ad neatly. Include your name, address and telephone number even if they are not part of the advertising copy you plan to run in the Illinois Marketplace.
6. The publisher reserves the right to reject any advertisement not deemed to be suitable for the publication's readership.

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19	20	21	22	23	24

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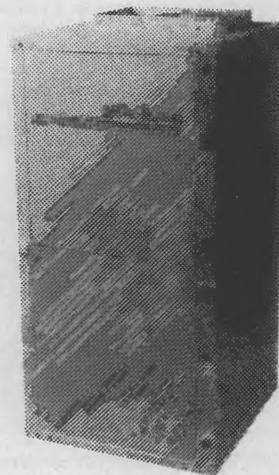
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