June 1988

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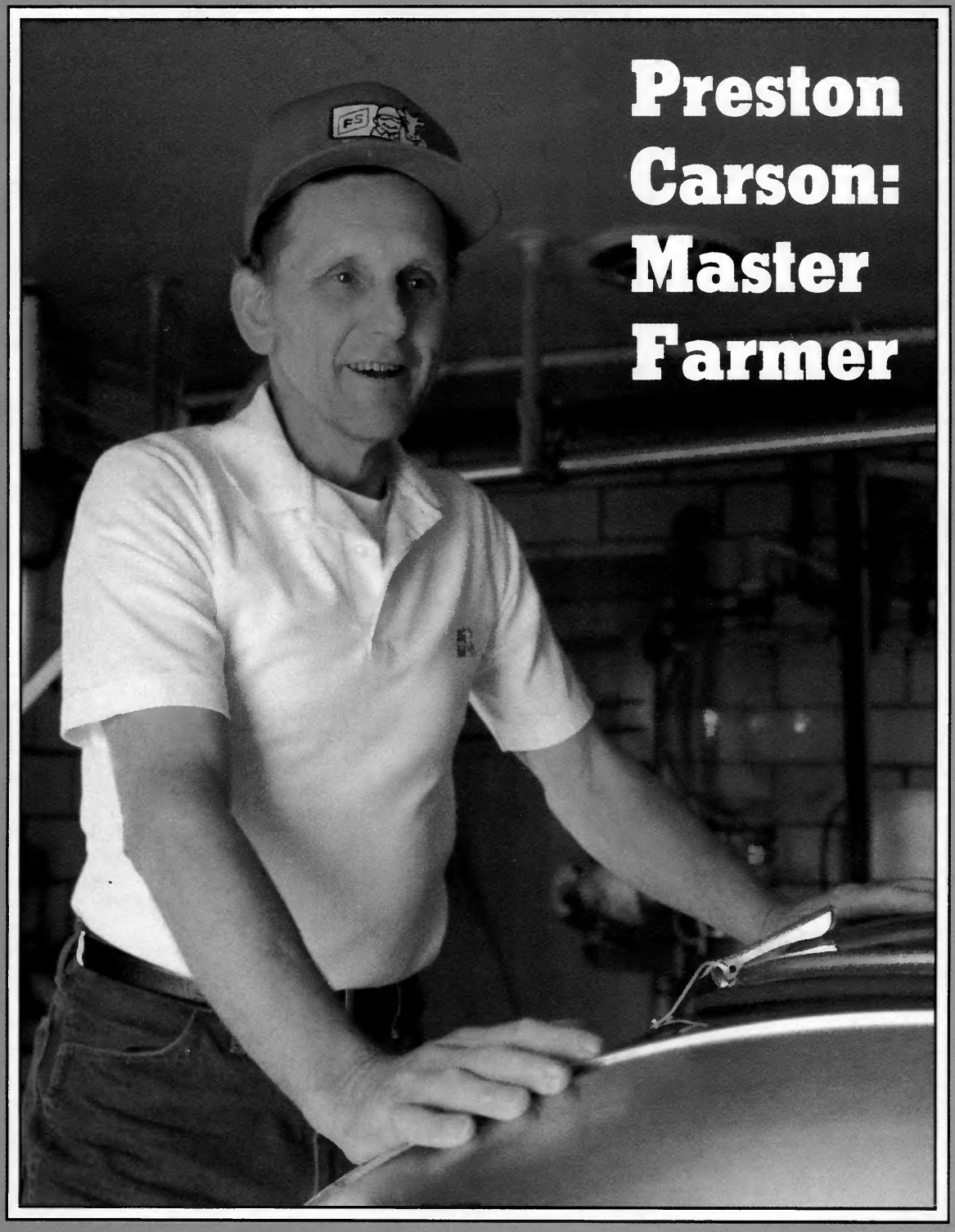
## Illinois Rural Electric News



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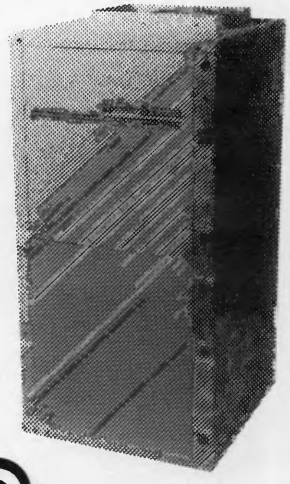

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# Illinois Rural Electric News

## Clean coal and clean air

There is no question about the need to keep America's air clean. A major argument, though, is shaping up over the best way to do it.

For the sake of rural electric consumers, and in the best interests of the nation's overall economy, clean coal technology holds the most promise for the future.

Unfortunately, the debate is likely to be cast as a struggle between clean air supporters and cheap power advocates. It will be a misleading description of the issue. Clean air legislation is an easy and politically handy option for many members of Congress, especially the bills' sponsors. Proposals by Rep. Henry Waxman (D-Calif.) and Sen. George Mitchell (D-Maine) — both of whom are up for re-election this year — take this political path of least resistance.

Their plans are tailor-made for voters in their states, where hydroelectric and nuclear plants — not coal-burning power plants — provide most of the electricity necessary to light homes and power industry. They propose the old remedy of setting limits on emissions by legislative edict. Plants that fail to meet the standards would face stiff fines, and states that do too little (in the unforgiving eyes of these proposed laws) to crack down on such plants could lose highway funds and other federal assistance.

It's hard to doubt that their proposed laws would do the trick. Faced with harsh federal punishment, plant operators and state governors would comply with the legal limits or else. It's the "or else" that must be considered.

First of all, power plants aren't the only acid rain villains. Manufacturing facilities such as steel mills burn coal as well — and another layer of costly federal requirements could be the last straw for factories already under stress. In some cases, the plants might simply close, their workers left to fend for themselves.

Second, coal is a vital fuel source for most of the nation's 1,000 consumer-owned rural electric systems. About 65 percent of the electricity supplied by rural electric cooperatives is produced in coal-burning plants, and 80 percent of the output of the co-op-owned generating facilities comes from coal. Further cost hikes required to meet stringent federal emission standards mean higher rates for rural power — and the potential for further erosion in the rural economy and population.

Finally, the nation's coal reserves can supply more than three centuries worth of power at current levels of demand, without relying on other countries for fuel.

The best approach to keeping the air clean is to maintain the partnerships between government and industry that have yielded so many breakthroughs on the problems America has faced and solved in the past. Government assistance — in the form of research grants and rate relief that would allow utilities to reclaim some of the cost of environmental investment — holds the most promise for clean, economical power production.

**— Rural Electric News Service**

**June 1988 Volume 46 Number 2**

**Published by Association of Illinois Electric Cooperatives**

## In this issue

**Legislative Conference** ..... 4, 5, 6 & 7
**Briefly** ..... 8 & 9
**Shooting range** ..... 14 & 15
**Dairy delights** ..... 16 & 17
**GFCI recall** ..... 19
**Master Farmer** ..... 20 & 21
**Illinois Marketplace** ..... 22 & 23
**Sewing crafts** ..... 24

**Larry F. Elledge**
*Editor*

**Gordon M. Olsen**
*Managing Editor*

**Jack D. Halstead**
*Associate Editor*

**Cover: Preston Carson, a director of Tri-County Electric Cooperative, has been selected as one of four Master Farmers for 1988 by Prairie Farmer magazine. The Washington County farmer is featured on pages 20 and 21.**

**ren**

**Illinois Rural Electric News**

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# Taking rural electric message to Washington

For more than 50 years rural electric systems and their federal government have formed a partnership critical to the well-being of the nation's rural areas. From the 1930s, when rural electrification was born, rural people have worked with elected officials and government agencies to first secure and then maintain the electric power system that enables rural dwellers to enjoy the advantages of electricity once available almost exclusively to those who lived in the nation's cities and towns.

Getting electricity to the countryside

was a massive effort and without question the greatest development program ever for the nation's rural areas, and probably for the entire nation. Maintaining the concept of reliable electric power at a reasonable cost has required no less effort over the years than the establishment of the program did a half-century ago.

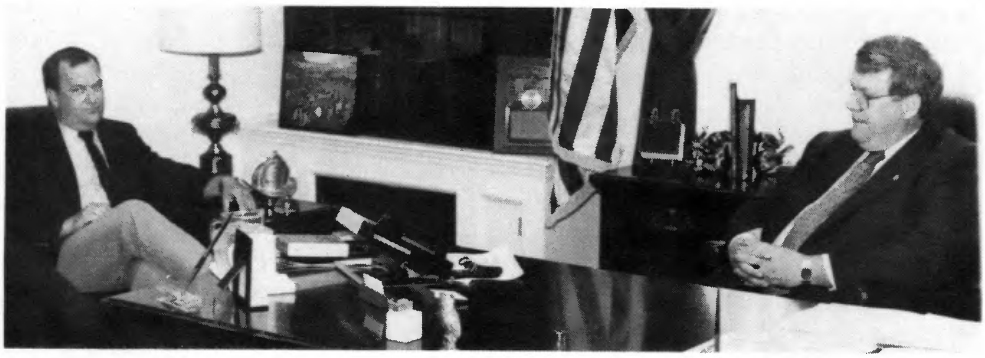
A key element in this on-going work to assure that rural people have the same advantages as those in towns and cities is an annual Legislative Conference coordinated by the National Rural Electric Cooperative Association, the national service organization for rural electric systems nationwide. In early May some 100 rural electric leaders representing the state's 29 electric cooperatives joined counterparts from across the country in Washington, D.C., to participate in this annual activity and to discuss rural electrification with Senators, Representatives and their staffs.

During the course of two and one-half days, the Illinois leaders called on the offices of each elected official and met with either the elected official or key staff personnel. They expressed appreciation for Congress' support of the program, provided updated information about pending legislation that would affect electric cooperatives, and discussed their concerns about how actions of federal agencies affect the rural systems and their consumer-members.

Illinois visitors to the capital focused on several issues important to Illinois electric cooperatives and electric cooperatives across the nation. They asked their Senators and Representatives to:

- Reject the Reagan Administration's Fiscal Year 1989 budget proposals that would weaken or eliminate the Rural Electrification Administration's loan programs,
- Support funding for REA loans at sufficient levels,

**Above: Senator Alan Dixon. Photos grouped at left: Clockwise from upper right: Senator Paul Simon meets with the Illinois group. Rep. Richard J. Durbin (left) receives an award of appreciation from Western Illinois Power Cooperative, represented by Roger Mohrman of Camp Point. Rep. Lane Evans meets with constituents from his district, including these from Spoon River Electric Cooperative and McDonough Power Cooperative. Bob Neece (standing) of Greenville and Verl Engle of Troy talk with Rep. William O. Lipinski. Rep. Ed Madigan (right) with, from left, Stanley Greathouse of Johnsonville, Earl Struck of Springfield and French Fraker of Champaign. Below left: T. L. Christensen of Princeton talks with Rep. Dennis Hastert.**



**Clockwise from upper left: Connie Shireman of Elizabeth gives Rep. Lynn Martin information relating to rural issues. Rep. Jack Davis (center) meets with G. Jay Stiehl (left) of Tuscola and Earl Struck of Springfield. Rep. John Porter looks over information provided by Dennis Keiser (center) of Carlinville and Robert A. Brown of Winchester. Thomas H. Moore (front row center) brings up a point during the meeting with Rep. Robert Michel.**

- Support efforts to reduce federal budget outlays by permitting all REA borrowers to obtain private capital to prepay Federal Financing Bank loans without prepayment penalty,
- Support innovative clean coal technology legislation,
- Support new initiatives in rural development that capitalize on the capabilities of the nation's 1,000 rural electric systems, and
- Support legislation designed to assure that rural Americans have access to reasonably priced satellite television programming similar to that offered by cable systems.

## Rural electric financing

Rural electric systems rely on two loan programs administered by REA to obtain necessary capital to provide electric power to rural areas. Proposals by the Administration call for elimination of the Revolving Fund, from which electric distribution cooperatives have for many years borrowed to meet most of their needs, and a cutback in the loan guarantee program for power supply cooperatives.

Loans by distribution cooperatives from the Revolving Fund are repaid in full with interest. Electric distribution cooperatives usually borrow 70 percent of their capital needs from this fund and obtain the remainder from private sources. The power supply cooperative loan program, which now provides 100 percent guarantees for loans, would be replaced by one with only 80 percent guarantees. The Administration's proposed budget would severly weaken or even eliminate REA and create tremendous financial difficulties for rural electric consumers.

## Adequate loan levels

In addition, the rural electric leaders urged Congress to support funding for REA loans at adequate levels, recommending loan levels in FY 1989 equal to those in FY 1988. Congress establishes "floor" and "ceiling" loan levels for REA, but loans authorized by the agency over the past several years have generally been less than the floor set by Congress.

## Prepayment of FFB loans

Power supply cooperatives continued their push for equity relating to prepayment of Federal Financing Bank loans. Private companies have prepaid loans in recent years by refinancing at lower interest costs. Congress has approved on several occasions legislation designed to enable the refinancing of high-interest loans, but the Administration has drafted regulations that effectively prevent the power supply cooperatives from refinancing. Only a few cooperatives have been able to refinance. This prepayment would provide the U.S. Treasury with an immediate influx of cash and make a significant dent in the federal budget deficit.

## Clean coal technology

Electric cooperative leaders asked Congressmen to support clean coal technology as a practical choice for pollution control. Coal is used to generate about 80 percent of the electric power for rural electric systems nationwide. Most of these plants are relatively new and have scrubber equipment that meets stringent Clean Air Act requirements. This is a major cost factor for rural electric systems, and the leaders expressed to Congress their concern that some pollution controls being considered would place an undue hardship on rural electric consumers.

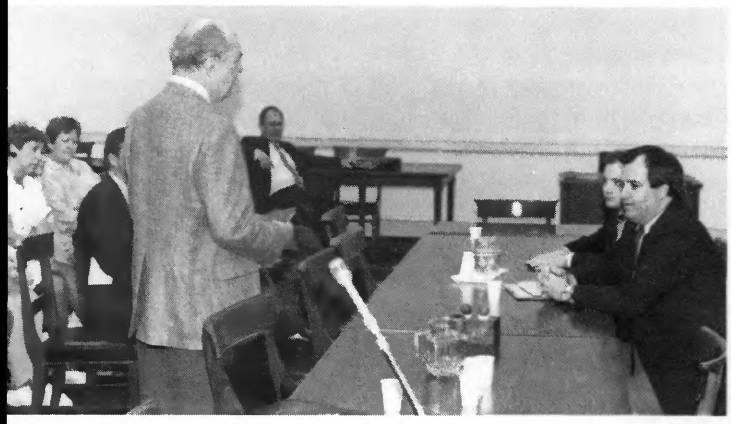
## Rural development

Congressmen were also informed of the importance of a concerted effort at rural development to rebuild the economic base in rural America. Rural electric systems propose that Congress support their efforts to establish a network within the rural electric program to aid in the vital task of restoring the rural economy.

## Satellite television

Another issue discussed was television for rural America. Sparse consumer densities prevent cable television's expansion into rural areas. Many rural dwellers have installed their own satellite receiver dish systems, but many of the signals are now scrambled. The electric cooperatives support two bills now before Congress that would allow independent packagers of signals such as the National Rural Telecommunications Cooperative to gain access to the television signals at reasonable conditions, terms and prices.

**Clockwise from below: Rep. Kenneth Gray (right) talks with Richard Myott (left) of Marion, while an aide to Gray looks on. Rep. Charles Hays listens as James Campbell of Flora talks about rural issues, while Glenn Tripp of Cobden looks on. Ed Ferguson (standing) of Mattoon talks with Rep. Terry Bruce.**



# BRIEFLY

News items of interest to members of Illinois electric cooperatives

## Congressmen Durbin and Michel honored by WIPCO

United States Reps. Richard J. Durbin (D-20th) and Robert Michel (R-18th) have been recognized by Western Illinois Power Cooperative for their efforts to help the Jacksonville-based power supply cooperative refinance and restructure its Federal Financing Bank debt. Presentations of plaques took place in early May during the annual Legislative Conference for rural electric leaders. The refinancing and restructuring is expected to save WIPCO about $25 million each year and stabilize electric rates for the 45,000 member-owners of the seven distribution electric cooperatives that make up the membership of WIPCO.

## Gasoline sales rise

Vacationers will buy more gasoline for their summer sojourns this year than they have in a decade, predict petroleum industry experts. "Gasoline consumption this summer may approach the peak levels of the late 1970s," says Richard Kamp, an economist with Phillips Petroleum Co. Some experts are predicting that sales will climb by as much as 2 percent during the summer and fall, when Americans do most of their driving. The Energy Information Administration cautiously predicts that the increase in demand will be a bit lower — hovering around 1.1 percent. Some of the predictions come along with the forecast that the dollar will remain weak against foreign currencies, causing Americans who might otherwise travel Europe to hop in their cars and tour their own country. So far, however, analysts say that the price of gasoline will not keep pace with the rising demand: David Knapp, energy economist with Brown Brothers Harriman and Co., says unleaded gas prices should average about $1 to $1.03 a gallon this summer across the nation.

## Photo cutline information incorrect

A cutline accompanying a photograph in the May issue of the Illinois Rural Electric News inadvertently misidentified Jack Van Mark, Deputy Administrator of the Rural Electrification Administration. Van Mark and Llewellyn King, owner and publisher of the Energy Daily, were special guests at the annual meeting of members of Soyland Power Cooperative in March. The photograph included Van Mark and Soyland general manager E. H. Williams, but Van Mark was identified as King in the photograph. At the left are the correct photos and identifications.

King

Van Mark

## Americans count on nuclear

Americans are counting on nuclear energy to play a big role in the energy future of the United States, according to a public opinion survey. Those participating in the survey were classified as "leadership groups" in America's energy community, including science, environmental policy and utility leaders. Of the 1,500 people polled in the Cambridge Reports survey, 75 percent said it is "very important" for the United States to be energy independent. Only 2 percent said energy independence for America is "not at all important." A common thread of desire for America to stand on its own in an energy battle ran through the survey responses. Specific reasons for wanting energy independence ranged from "fear of foreign leverage" to the need for a trade balance. In response to a question on the importance of developing an alternate energy strategy, 91 percent of the utility leaders polled agreed that it is important for the United States to plan now for the energy future. On nuclear energy, 96 percent of the utility leaders said the benefits of nuclear energy outweigh the risks.

## Super collider may be short-funded

Efforts to build the world's largest atom smasher are caught in a money crunch, senators say, and the project may get less than half of the $363 million President Reagan requested for the coming year. Physicist Leon Lederman, a leading booster of the project to build the superconducting super collider, said "we can squeak through" with $150 million. An Energy Department official said $150 million would slow the work but offered to discuss with Congress a compromise budget figure. A handful of scientists appearing before a Senate Energy Research Subcommittee gave conflicting advice about the need for the super collider, which would hurl atoms around a 53-mile underground track. The super collider, a $4.4 billion project, has been one of the most avidly sought federal projects since the space program. The Energy Department received three dozen bids for it last fall, with offers running as high as $1 billion in cost sharing. Arizona, Colorado, Illinois, Michigan, North Carolina, Tennessee and Texas are finalists for the project.

## Northeast economies strongest

The strongest state economies are still in the Northeast, but the once-depressed "Rust Belt" and "New South" states are hard on their heels and closing, a new economic "report card" shows. Five of the top six states — those getting all A's and B's in four indexes of economic health — included Connecticut, Maryland, Massachusetts, New Jersey and Vermont, according to the study released by the Corporation for Enterprise Development, a Washington, D.C.-based "think tank." Minnesota was the only state of the top six outside the Northeast region, which led the nation in economic strength this past year as it did the previous, said the study, "Making the Grade: The 1988 Development Report Card for the States." "The Northeast is where today's economic action is," Enterprise President Robert Friedman said, but several up-and-coming states in the industrial Midwest, such as Michigan, and the New South, like South Carolina, "are working aggressively to improve their economies." A notch below the six leaders were California, Delaware, Maine, Pennsylvania, Virginia, Washington and Wisconsin.

## Three states have most population

California, Texas and Florida will account for more than one-half of the total U.S. population increase from 1987 to 2000, according to the Census Bureau. California will remain by far the most populous state as the nation moves into the next century, while by 1995 Texas will have moved past New York into the second spot. Florida will remain the fourth largest, but by the year 2000 Illinois will have replaced Pennsylvania in fifth place. Georgia will replace North Carolina on the list of the 10 most populous states, the projections show. Wyoming will continue into the next century as the least populous state. Vermont, which this year becomes second smallest, keeps that rank past 2000. Alaska, now third smallest, will move to fourth smallest by 2000, while North Dakota will become third smallest.

## Satellite TV price discrimination cited

The National Rural Telecommunications Cooperative (NRTC) and the National Rural Electric Cooperative Association (NRECA) continue to support an amendment forbidding price discrimination in the Satellite Television Home Copyright Act, according to a letter NRECA General Manager Bob Bergland sent to members of a House subcommittee. The letter outlines the higher prices some distributors such as NRTC must pay for programming, and warns against granting carriers "the opportunity to gouge the rural home dish customer." The panel is expected to vote on the measure soon. NRTC offers a package of descrambled satellite television programs called Rural TV to consumers of rural electric cooperatives.

## Senate votes victory for coal slurry

In a move that could lower residential utility bills, a Senate committee has approved a bill that gives coal slurry pipelines the federal right of eminent domain. Utilities and the coal industry have supported the move, saying that because the railroads dominate the coal transportation market, coal shippers must pay high prices to move their coal. The high cost of this transportation, the groups say, inflates electric bills.

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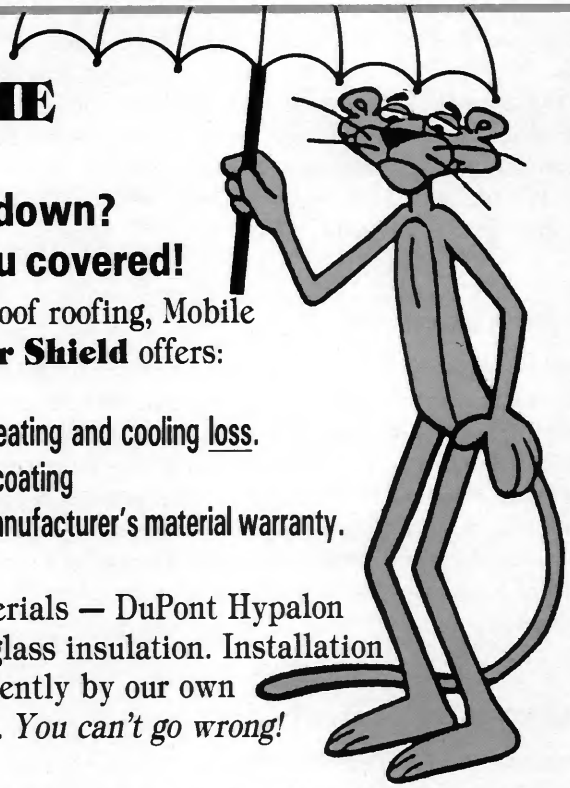

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FROM: Spokane, WA HEIGHT: 3'9"
DOB: 04/12/81 WEIGHT: 38
BLACK FEMALE HAIR: Black

**TRACY LYNN BAYSINGER**

LAST SEEN: 03/01/86 EYES: Brown
FROM: Harriet, AR HEIGHT: 5'0"
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WHITE FEMALE HAIR: Blonde

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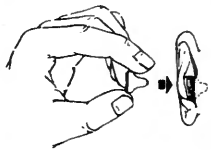

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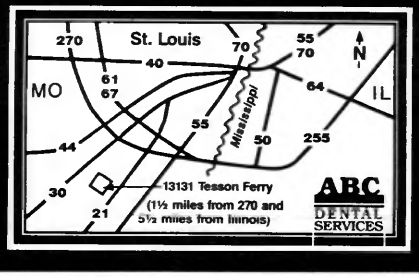


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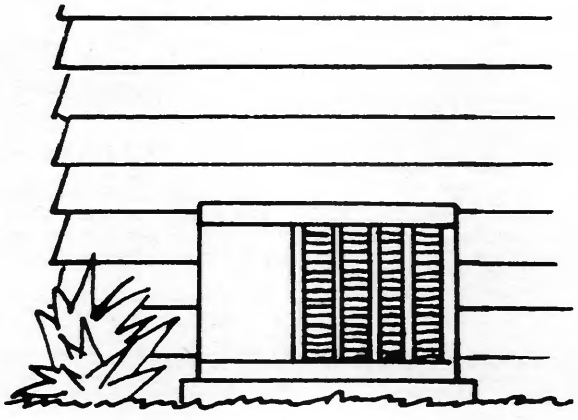
# Air conditioner

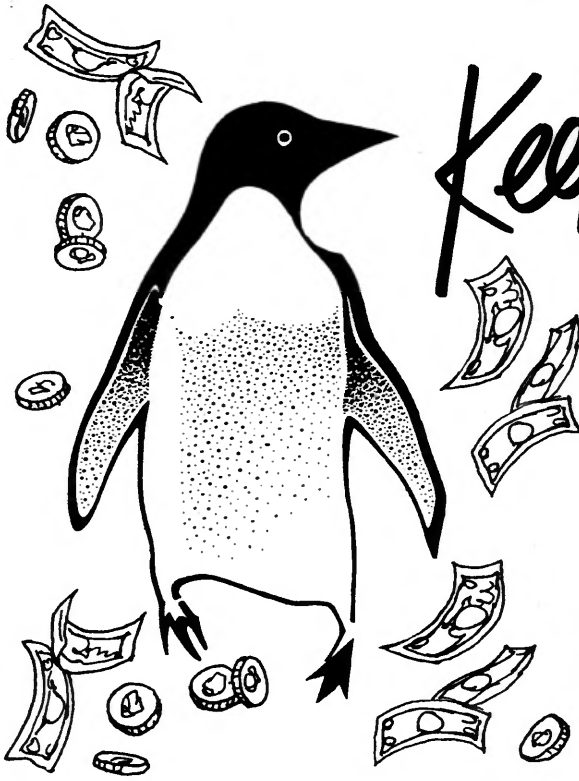


## Help it help you

Air conditioning weather is here. If you haven't done so by now, a maintenance check should help ensure that the air conditioner provides cooling comfort in the hot, muggy weather.

To ensure proper operation of your window or central air cooling unit, experts recommend following these money-saving tips: (Remember, before you start any home maintenance program, always shut off the electrical power).

- Check belts and belt drive units for cracks or missing pieces of rubber; replace if worn.
- Clean and lubricate indoor blower unit.
- Vacuum dust and debris from coils and fins.
- If filter is reusable, vacuum it twice a month; wash in warm water with a mild detergent and dry thoroughly. Change filter if worn.
- Check filter door for proper fit.
- Keep all registers clean and unobstructed by furniture or curtains.
- Provide shade for the compressor, if it is not located on the shady side of the home, so heat can escape from condensing coil more easily. Do not block air flow through the cooling coils.
- Clear outdoor shrubbery at least 12 inches from unit to prevent air flow restriction through cooling coils.
- On window units, close off fresh air intake during hottest part of day to prevent cooling outside air.
- When away from home, use automatic timer (with window units) or clock thermostat (with central air) to turn air conditioner on before you plan to arrive home. This will let you have a cool home when you arrive, yet eliminate the need to leave the unit running all day.
- Set thermostat to 78 degrees Fahrenheit, as recommended by the U.S. Department of Energy. (Each degree higher can save up to 6 percent on operating costs.)
- Check for oil on all tubing connections. Oily spots could indicate refrigerant leaks that need to be handled by a professional serviceman.
- Consult qualified repair service for maintenance of refrigerant levels and clogged condenser coils.
- On a central air unit, inspect metal refrigerant pipes from the compressor to the house to assure that the longer of the two pipes is completely covered with a rubber insulation sleeve. Replace if worn.
- It's easy to see that most of these money-saving maintenance tips won't cost you a penny, but could help you get the most out of your cooling dollar. Experts agree that an air conditioner operating at peak efficiency will not only cool properly, but will use up to 20 percent less electricity and last years longer than the normally expected 10-year service life. By simply following these tips, you can increase your comfort this summer without increasing your electric bill.



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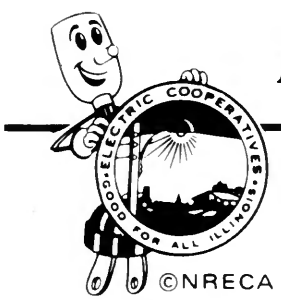
Whatever your air conditioning needs, there's an energy efficient heat pump just right for you. Contact your not-for-profit member-owned electric cooperative for the answers to your air conditioning needs.

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# Shooting range tests hunt skills

Mention the term "sporting clays" to most people, and you're likely to get a blank stare in return. To an avid shotgunner, however, the term might call up visions of fast-moving targets flitting through dense brush, or seemingly slow-moving targets lazily settling in to land by decoys on a pond.

Sporting clays is probably the fastest-growing of the shooting sports, and Jim McCuan, a Southeastern Illinois Electric Cooperative member from Corinth, has a sporting clays range that's going great guns.

If you didn't know what to call the sport, you might think of it as "trapshooting with realism," "cunning gunning" or "shotgun golf."

Jim calls his place Midwest Shooting Sports, Ltd., and the sport involves shooting at clay targets in field conditions that are made as realistic as possible, keeping range safety in mind.

"Sporting clays is a new sport to the U.S.," McCuan notes, "but it's fairly old in England, where they've been at it for 70 years or so."

The sports of skeet and trapshooting essentially started out decades ago as different ways for wingshooters to get off-season practice shooting at moving targets and gradually evolved into separate sports in their own right, Jim notes, but they offer little in the way of hunting realism. In trap and skeet, he notes, it's pretty well cut and dried as to where the shooter stands, where the target will come from and where it'll go. While it does involve shooting at a flying target, it's not particularly challenging, except in a match, where a hit or miss may make the difference between staying in competition or being eliminated, and shoots often turn into marathons.

An avid wingshooter, Jim feels that his course offers a more sporting position than the other wingshooting sports.

"Here," he points out, "we shoot very much like you'll be shooting in the field. The shooter does stand at a station, but the trap boy is instructed to send the targets off in different ways, to provide much of the challenge you'd get if you were in the field and had flushed live game."

While escorting hunters through the walking course, Jim carries a clipboard with their scoresheets, and gunners "shoot for par," which calls for hitting 70 of the 100 targets that are thrown in the course of a round, which takes an hour or so. It calls for missing some targets, too. "Not everything that flies up is fair game," he says, "and we penalize shooters for hitting targets they shouldn't." Game wardens do that, too.

Jim notes that his realistic shooting range is the first in the Tri-State area, and one of only a handful in the country. He visited 16 other places before building his, and freely admits that he borrowed the best ideas he saw and adapted them to the rugged 440-plus acre site, which he is also developing as a hunting preserve and field-trial site for

**Owner Jim McCuan says his shooting range is designed to duplicate actual field hunting conditions as closely as possible.**

bird dogs and beagles.

He built a clubhouse — actually a converted livestock barn — and that's headquarters for those preparing to go out on a shoot. It was the setting for the Midwest Sporting Clays Championship, which was held by the U.S. Sporting Clays Association on April 16-17.

From the building, where soft drinks are available and shells are offered for sale, shooters go to the first station, a wicked little gully site called "crazy quail," that involves birds springing from cover in singles and pairs. "Sorry to slap you in the face with this one first crack out of the box," Jim tells a couple of visiting shooters, "but I guess you might as well get used to it."

Generally, birds fly out, low and fast, and go down a little creek from right to left, flashing through trees as they go. Gunners tend to be rough on the trees. When pairs flush, one may go down the creek while the other goes through a small opening in the tree cover, about 75 degrees away from the other. This is a 60 percent par series.

The next station involves doves coming over trees, and they seemed to hang there in mid air, as Jim and the guests took turns shooting at them. The only problem was that the sun was directly overhead. "I just point the gun into the sun and pull the trigger," Jim says with a laugh, but there's more to it than that.

From there it's a short walk — with guns unloaded and open — to the four decoyed duck stations, where shooters stand in blinds above a pond with floating decoys. "Ducks" come winging in from behind some shrubbery off to the right, to land on the water near the decoys, and shooters have an opportunity to nail them. They seem to settle in with deceptive slowness, and it *is* deceptive. The 75 percent par attests to that, and most shooters who miss put their shot behind the targets.

The mallard tower is the third stop, and it involves a 35-foot tower on the hill behind the shooters, who shoot at high-stepping little targets zipping by 120 feet overhead. Nothing fancy here — just fast-disappearing targets, high up. Par is 60 percent.

The rest of the course is about equally challenging, with some targets offering a 70-80 percent par, likely to help shattered shooters glue back the pieces of their self-esteem before leaving. But there are still jokers in the deck. The three-station flushing pheasant involves a fact of real hunting life. Shooting female pheasants is a no-no, and so is shooting pheasant hen clay targets, which are white. You get docked for tagging one. The male's orange, and he's fair game. If they're close together you have to make up your mind quickly. "Shoot and pray" seems to be the order of the day. A shooter may or may not get a white target thrown.

Midwest Shooting Sports, Ltd., is a few miles east of Interstate 57, and the Johnston City exit is the closest one. From Corinth, go east half a mile to County Road 2090 E, then go north. There's a nice big sign.

**A shooter takes aim on targets that sprang from the brush to his left. Some of the targets are not fair game, so shooters must quickly determine if they are shooting at a "legal" target.**

# Dairy delights

### FRUIT SALAD

- 1 can pineapple chunks
- 1 can mandarin oranges
- 1 jar maraschino cherries
- 1 banana
- 1 small pkg. vanilla pudding

Drain pineapple and oranges into a cup. Add enough water to make 1 cup; bring to a boil with pudding mix. Cool. Drain cherries. Mix cherries, pineapple chunks and oranges. Pour pudding mix over fruit and refrigerate. Add bananas before serving.

### TROPICAL TREAT

- 2 pkgs. (4-serving size) mixed fruit flavored gelatin
- 2 cups boiling water
- 1 cup cold pineapple juice
- 1 container (8-oz.) pineapple yogurt
- ½ cup cream of coconut
- ½ cup light corn syrup
- Strawberry Sauce

Dissolve gelatin in boiling water. Stir in cold pineapple juice. Chill until slightly thickened. Fold in pineapple yogurt, cream of coconut and corn syrup. Pour into 1½ quart ring mold and freeze until firm, about 4 hours. Unmold frozen gelatin. Garnish with toasted coconut and fresh fruit, if desired. Serve with Strawberry Sauce. Makes 6 cups or 12 servings. Strawberry Sauce: 1½ pints strawberries, then combine with ½ cup sugar and 2 tablespoons orange liqueur. Let stand 30 minutes. Spoon strawberries with juice into blender and puree until smooth. Chill. This show stopper dessert has the soothing texture of sorbet and the refreshing taste of strawberries.

### FROZEN ALMOND TRUFFLE PIE

- 2 pkgs. (4-oz. each) German sweet chocolate
- 3 tablespoons butter or margarine
- 3 tablespoons almond flavor liqueur
- 5¼ cups (12-oz.) non-dairy whipped topping, thawed
- Chocolate Nut Crust

Melt chocolate and butter over very low heat, stirring constantly. Stir in liqueur; cool. Fold in whipped topping. Spoon into crust. Freeze until firm, about 4 hours. Note: To melt chocolate and butter in microwave, place in microwave-safe bowl. Heat at High 1½ to 2 minutes until chocolate is melted. Stir until completely melted. Chocolate Nut Crust: Combine ¾ cup graham cracker crumbs, ½ cup finely chopped almonds, 1 square semi-sweet chocolate, grated, and 2 tablespoons light brown sugar. Mix in ¼ cup melted butter or margarine. Press firmly on bottom and side of a 9-inch pie pan. Bake at 375 degrees for 8 to 10 minutes. Cool thoroughly before filling. An extraordinary nutty chocolate crust elevates this mousse-like pie to the sublime.

### PUDDING ICE CREAM

- 2 cups cold light cream or half and half
- 1 pkg. (4-serving) vanilla gelatin or chocolate flavor instant pudding and pie filling
- 3½ cups (8 oz.) non-dairy whipped topping, thawed

Pour cream into mixer bowl. Add pudding mix. Beat at lowest speed of electric mixer until well blended, 1 to 2 minutes. Let stand 5 minutes. Fold in whipped topping. Pour into 2-quart covered container. Freeze until firm, about 6 hours or overnight. Makes 6 cups or 12 servings. Pudding "ice creams" are made easy, extraordinary and ever-so-airy with a variety of instant puddings.

FLAVORS TO TRY:

Chocolate Chip—Use chocolate flavor pudding mix and fold in ¾ cup semi-sweet chocolate chips with the whipped topping.

Toffee Crunch—Use vanilla flavor pudding mix and fold in ⅔ cup crushed chocolate-covered toffee bar with the whipped topping.

Cinnamon Walnut—Use vanilla flavor pudding mix and add 2 tablespoons light brown sugar and ½ teaspoon cinnamon to the pudding mix. Add ½ cup finely chopped walnuts with the whipped topping.

Rocky Road—Use chocolate flavor mix and fold in 1 cup miniature marshmallows and ½ cup chopped walnuts with the whipped topping.

Rum Raisin—Use vanilla flavor pudding mix and fold in ½ cup chopped raisins, which have been soaked in 2 tablespoons light rum, with the whipped topping.

Fruit—Fold in 1 cup pureed fruit (strawberries, peaches or raspberries) with the whipped topping.

### FROZEN ORANGE DELIGHT

(not shown)

- 1 pkg. (4-serving) orange flavor gelatin
- 1 cup boiling orange juice
- 1 cup cold orange juice
- 1 cup light cream or half and half
- 1 egg white
- 2 teaspoons golden Italian liqueur

Dissolve gelatin in boiling orange juice. Stir in cold orange juice, cream, egg, white and liqueur. Pour into an 8 x 8 x 2-inch pan. Freeze until firm, about 4 hours. Cut mixture in cubes and place in food processor or blender (one-third at a time) and process until smooth. Pour into 1½ quart plastic container. Cover and freeze until firm, about 4 hours. Serve over orange slices. Makes about 4 cups or 8 servings. You don't have to be an orange-lover to enjoy this cool and creamy dessert, delicately kissed with fruit liqueur.

### FROSTY STRAWBERRY SQUARES

- 1 cup plain flour
- 1 stick oleo
- ½ cup brown sugar
- ½ cup chopped nuts
- 2 egg whites
- 1 cup sugar
- 2 teaspoons lemon juice
- 1 pkg. Dream Whip or whipped cream
- 1 10-oz. pkg. partially thawed strawberries

Mix flour, oleo, brown sugar and nuts in shallow pan and bake 20 minutes. Stir frequently. Beat egg whites, sugar and lemon juice. Whip Dream Whip. Add partially thawed strawberries (fresh may be used). Fold in egg mixture. Line pan with nut mixture saving some to sprinkle on top of them. Add strawberry mixture. Freeze at least few hours before serving.

### BROCCOLI QUICHE

- 1 (10-inch) pastry shell
- 1 bunch fresh broccoli or 1 (10 oz.) pkg. frozen broccoli
- ¾ to 1 cup parmesan cheese

Custard:

- 4 eggs, beaten
- 1 pint whipping cream
- ½ cup buttermilk

Bake pastry shell at 350 degrees for 10 minutes. Chop and cook fresh broccoli until tender. If you are using frozen broccoli, cook according to package directions. Drain broccoli and place in shell, sprinkle with cheese. Cover with custard. Bake at 350 degrees for 45 minutes. Let stand 5 minutes before serving. Custard: Beat eggs, stir in cream and buttermilk.

### CREAM OF BROCCOLI SOUP

- 2 or 3 medium size Irish potatoes, peeled and cut up
- 1 cup onion
- 1 cup chopped celery
- 1 (7 or 8 oz.) pkg. frozen chopped broccoli
- 1 cup evaporated milk (undiluted)
- 1 tablespoon flour
- 2 tablespoons milk
- Salt and pepper to taste

Cook chopped potatoes, onions, celery and chopped broccoli until soft and tender, barely covering vegetables with water. Put into blender and blend. Pour into a heavy saucepan, add milk and make a paste of 1 tablespoon flour and 2 tablespoons milk. Heat slowly, but do not boil. Yield: 4 servings.

### EASY HOMEMADE STRAWBERRY ICE CREAM

- 3 egg yolks
- 2 cups fresh strawberries, mashed or pureed (1 cup)
- 1 (14 oz.) can sweetened condensed milk (NOT evaporated milk)
- 1½ teaspoons vanilla
- Red food coloring, optional
- 2 cups (1 pint) whipping cream, whipped (DO NOT use non-dairy whipped topping)

In large mixer bowl, combine all ingredients except whipped cream, beat well. Fold in whipped cream. Pour into 9 x 5-inch loaf pan or other 2-quart container; cover. Freeze 6 hours or until firm.

ICE CREAM MAKER METHOD:

In large bowl, combine 6 cups (1½-quarts) coffee or light cream, 2 (14 oz.) cans sweetened condensed milk, 2 cups mashed or pureed strawberries, 4 well-beaten eggs, 1 tablespoon vanilla and food coloring if desired; mix well. Pour into ice cream freezer container. Freeze according to manufacturer's instructions. Return leftover to freezer. (Makes about 2½-quarts.)

### FRUITED WAFFLES AND CREAM

(not shown)

- 2 tablespoons butter or margarine
- 3 large peaches, peeled, pitted and sliced (or use 1 pkg. (16-oz.) frozen unsweetened peaches, thawed)
- ⅓ cup firmly packed brown sugar
- 1 teaspoon lemon juice
- 1 teaspoon water
- ½ teaspoon cornstarch
- 4 ready-to-eat waffles
- 2 cups Rum Raisin Pudding Ice Cream (see recipe)
- Mint sprigs

Melt butter in medium saucepan. Add peaches and sugar; bring to a boil. Reduce heat and simmer 10 minutes or until peaches are soft. Blend lemon juice, water and cornstarch. Stir into peach mixture, cook and stir until thickened, about 1 minute. Top each waffle with a scoop of ice cream and spoon on warm peach sauce. Garnish with mint, if desired. Makes 4 servings. This unusual waffle dessert sports homemade pudding "ice cream" and a summery fresh peach sauce.

### COCONUT LEMON FREEZE

- 1 cup graham cracker crumbs
- ⅓ cup butter or margarine, melted
- 2 egg yolks
- 1 can (14-oz.) sweetened condensed milk
- ½ cup lemon juice
- 1 tablespoon grated lemon rind
- 2⅔ cups (about) flake coconut
- 1¾ cups (4-oz.) non-dairy whipped topping, thawed
- 2 egg whites

Combine graham cracker crumbs and melted butter. Press firmly into bottom of 9-inch square pan. Beat egg yolks in large bowl until thick. Stir in milk, lemon juice and rind until well blended. Fold in 1⅔ cups of the coconut and whipped topping. Beat egg whites until stiff but not dry. Fold into lemon mixture. Spoon over crumb crust. Sprinkle with remaining coconut. Freeze until firm, about 5 hours. Cut into squares. Makes 9 servings.

## FROZEN PEACH YOGURT

**1 envelope unflavored gelatin**
**¼ cup cold water**
**1½ cups sliced peaches, fresh or frozen, partially thawed**
**⅓ cup sugar**
**4 cups (32 oz.) peach yogurt**
**Orange Raspberry Sauce**

Sprinkle gelatin over water in small saucepan. Stir over low heat until dissolved. Puree peaches with sugar in a blender. Add yogurt and blend at high speed until smooth. Stir about 1 cup of yogurt mixture into dissolved gelatin; return to blender, cover and blend. Pour into ice cream freezer can (½ to ⅔ full), and churn-freeze according to manufacturer's directions. For soft frozen yogurt, remove dasher from ice cream freezer can, cover with foil and place in refrigerator-freezer to ripen 30 minutes to 1 hour. For hard frozen yogurt, spoon frozen yogurt into freezer containers to within ½ inch of top. Place plastic wrap directly on yogurt; cover with lid and keep frozen. Allow to soften at room temperature about 15 minutes before scooping. Serve with Orange Raspberry Sauce and additional sliced fresh peaches.

Refrigerator-Freezer Method: Prepare recipe above. Pour into 13x9-inch baking pan. Freeze 1 hour. Spoon into large mixer bowl; beat at high speed until smooth but not thawed. Return to pan; freeze 1 hour. Spoon into large mixer bowl; beat again just until smooth and airy. Ripen as above. Yield: 5 cups.

## ORANGE RASPBERRY SAUCE

**1 tablespoon cornstarch**
**1 pkg. (10 oz.) frozen raspberries in syrup, thawed**
**⅓ cup orange marmalade**

Dissolve cornstarch in 2 tablespoons syrup from raspberries. Combine raspberries, remaining syrup and marmalade in saucepan. Heat to boiling. Boil and stir until thickened and clear. Cook 2 additional minutes. Cover and chill.

## BOYSENBERRY YOGURT SHAKE

Combine 1 cup (8 oz.) frozen boysenberry yogurt, slightly softened and ⅓ cup chilled cranberry-apple juice in blender jar; blend until smooth. Or, beat with rotary beater or mixer. Serve immediately in chilled glass.

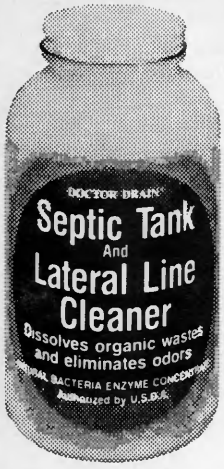
## STRAWBERRY-APPLE YOGURT SHAKE

Combine 1 cup (8 oz.) frozen strawberry yogurt, slightly softened and ⅓ cup chilled apple juice in blender jar; blend until smooth. Or, beat with rotary beater or mixer.

## ORANGE VANILLA YOGURT SHAKE

Combine 1 cup (8 oz.) frozen vanilla yogurt, slightly softened and ⅓ cup chilled orange juice in blender jar; blend until smooth. Or, beat with rotary beater or mixer. Serve immediately in chilled glass.

# ATTENTION SEPTIC TANK OWNERS

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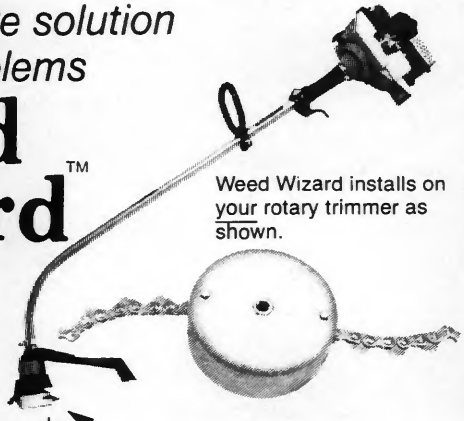

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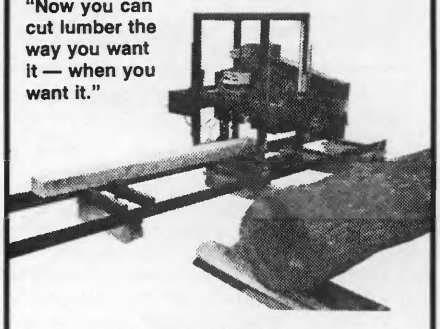

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# Square D Company offers free replacement program on some GFCI units

In cooperation with the U.S. Consumer Product Safety Commission, Square D Company of Palatine is voluntarily offering free replacement of its Series 1 two-pole ground fault interrupting (GFCI) circuit breakers in sizes 15 through 30 amperes.

Ground fault circuit breakers are safety devices that provide protection against electrocution in addition to the normal circuit breaker overload protection function. Two-pole GFCI circuit breakers are often used on 240-volt circuits serving hot tubs/spas, swimming pool equipment, pumps and fountain equipment, and other applications where electrical failure of the protected equipment could pose a risk of electrocution.

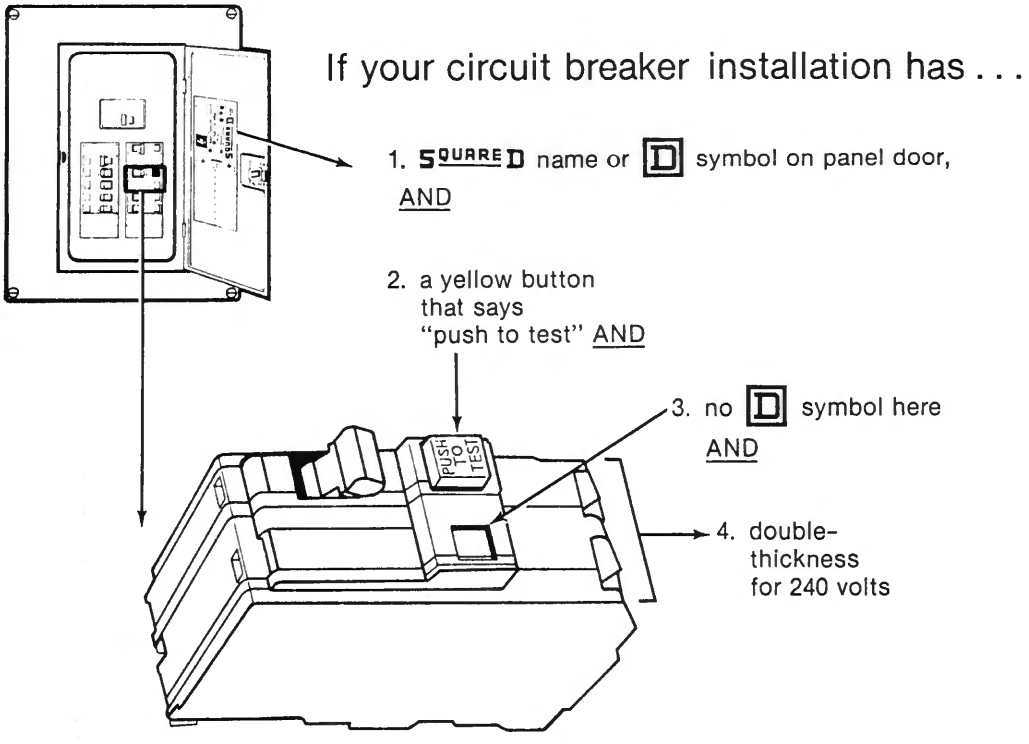
Square D Company is taking this action because it has discovered that early failure of an electronic component may disable the electric shock protection by this product.

The involved Square D GFCI circuit breakers have a yellow "Push-To-Test" button and are two-pole units that are physically twice the size of most branch circuit breakers. Persons who believe they may have such a unit or who have questions should telephone Square D Company toll-free at 1-800-367-5481 for information concerning Square D's free replacement program.

Square D GFCI circuit breakers that display the Square D trademark near the circuit breaker handle are not subject to this problem. Also, circuit breakers without the yellow "Push-To-Test" button are not GFCI devices and are not subject to this problem.

Approximately 80,000 of the involved units have been sold and installed nationwide since 1982. Square D Company says it is not aware of any injuries resulting from the problem with its product. The normal circuit breaker function is not affected by this problem.

The Consumer Product Safety Commission believes GFCI's provide a significant level of electrical safety. The Commission recommends that all GFCI's, both circuit-breaker type and outlet type, be tested frequently, at least monthly, using the test button on each unit.




You should call 800-367-5481 for information concerning recall and free replacement of your circuit breaker.

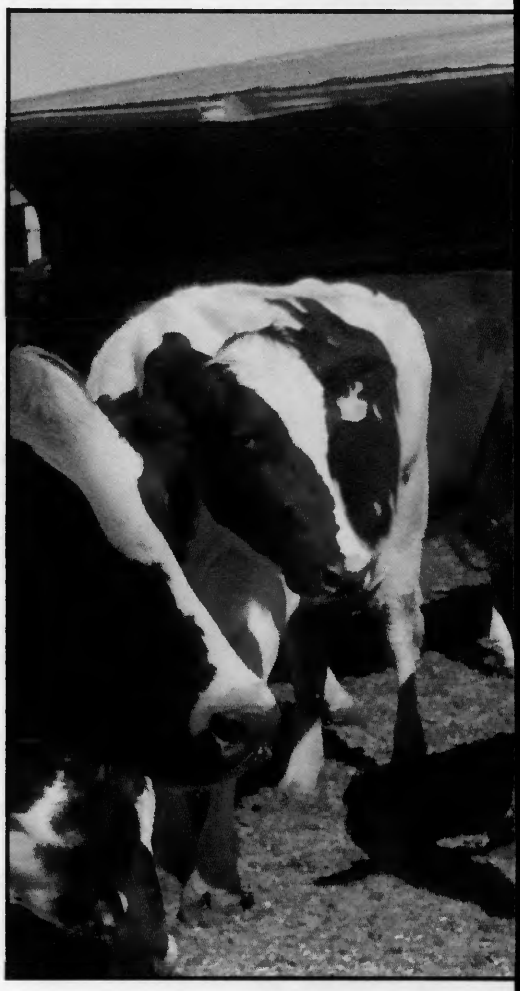
**Preston Carson checks for alfalfa weevils.**

Last fall Jane Carson took another of the many telephone calls for her husband, Preston, who was busy with the harvest on their Washington County farm near Oakdale. Normally she tells callers that Preston's too busy to come to the phone, and that's true. This call, however, was something special. She told the caller she thought Preston would come out of the field to talk.

The call was from Prairie Farmer magazine and about his selection as one of four Master Farmers for 1988. Carson, a director of Tri-County Electric Cooperative, Mt. Vernon, was selected from more than 40 farmers nominated by other farmers, agribusiness people, agriculture extension personnel and others associated with agriculture. Recipients of the honor are chosen for community service in addition to their farming abilities.

"They told us about it in October, but we had to keep it a secret until March," he says. "We were allowed to tell only the one who had nominated us."

Nominated in mid-1987, Carson says he had declined nomination in previous years, explaining, "I'm not a person who cares to get up in the spotlight."



# Carson is Master

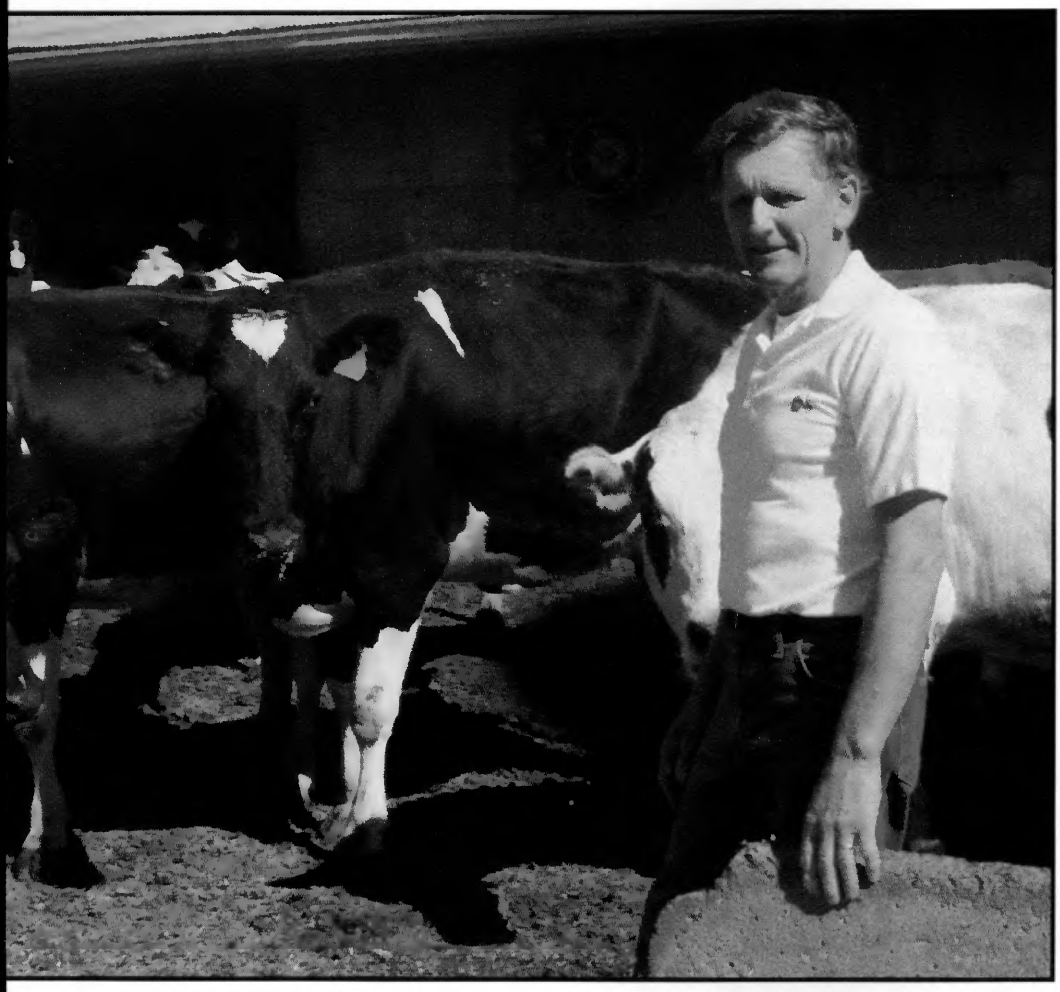
Carson's farming operation is diverse, but his soil conservation work may be what he is best known for. He developed a soil conservation plan in 1949 — nearly 40 years before Conservation Reserve added a new dimension for many other Midwest farmers.

"My father impressed upon us from the very beginning that we needed to take care of the soil," says Carson, who milks 90 cows and farms nearly 600 acres of corn, soybeans, and wheat with his two sons Neal and Phil. "We make our living from the soil."

In 1981 the Carson farm purchased 80 acres that had eroded so badly that a drainage ditch had washed gullies 50 feet wide and eight feet deep. The Carsons installed an aluminum wall drop box spillway at the end of the main waterway, added tile outlet terraces and sediment basins, and stopped soil loss dead in its tracks.

Carson began farming with his father in 1945. He started with a few head of beef, swine, and sheep, but as the partnership progressed, Carson traded those animals for his father's dairy operation.

Carson played a key role in his county's effort to set up a rural water distribution system. In the early 1970s, Washington County farmers were puzzled by mysterious and unexplained illnesses in livestock. A county extension official discovered a disturbing level of



Carson's dairy operations keeps him busy. The farm where he and his wife, Jane, live has been in his family for more than 100 years and is a state-designated Centennial Farm.

# Farmer

nitrates in groundwater. In 1975 Carson and others formed a steering committee to find a way to lay rural water lines to serve Washington County farms and rural residents. Carson was elected treasurer and handled 1,300 sign-ups. From that genesis sprang the Washington County Water Company, which is now one of the largest rural water systems in the state.

Today Carson continues to serve on the water company's board of directors. He also served on the Oakdale Board of Education and the Washington County Cooperative Extension Ag Council, as director of the Oakdale State Bank, and as an elder at the Oakdale Reformed Presbyterian Church.

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