

# ren

February 1979

## Illinois Rural Electric News



# Special Announcement

## to all Illinois Rural Electric consumer members and their families

Now... Illinois RE Consumer Members of all ages qualify—you cannot be turned down for this RE Group Hospitalization Supplement. This is the only direct-to-you Group Plan officially recommended and endorsed by your National Rural Electric Cooperative Association.

### We're Concerned

Over the last few years, the cost of medical care has almost doubled according to American Hospital Association's reports. As a matter of fact, the average per patient cost to a community hospital is now more than \$180 A DAY! Most group and individual hospitalization plans are not designed to cover the full hospital bill... even Medicare recently announced another increase in the amount of its deductible... the amount Medicare patients must pay out of their own pocket.

### The Largest Cause of Personal Bankruptcy

Vice President Mondale has stated that hospital bills "are the single largest cause of personal bankruptcy in the United States." When you consider what a single day in the hospital costs, it's easy to see why.

### For RE Consumer Members Only

Problems like these caused your National Rural Electric Cooperative Association (NRECA) to arrange its own insurance programs for rural electric cooperative employees and members (ELCO® Programs). First your National Rural Electric Cooperative Association set out to find a national insur-

ance company with an impeccable reputation. Next, they arranged a supplemental hospitalization plan that would do the best job possible for all RE consumer members and their families. And finally, NRECA set up their own service center for ELCO® Programs to help assure RE consumer members prompt, courteous service and prompt claims payment. This RE Group Hospitalization Supplement, underwritten by the highly respected Continental American Life Insurance Company, is the result.

### Don't Be Misled by Look-Alikes

Some insurance ads try to give you the impression they are official RE plans, sponsored by your National Rural Electric Cooperative Association. Only those programs that bear the ELCO® or RE® trademarks are officially endorsed by your National Association. These trademarks are your guarantee of service and quality.

### You Cannot Be Turned Down

This RE group plan is available to RE members in most states. Every member who enrolls will be accepted regardless of age or occupation. However, Continental American must limit coverage in force under all policies of this type with their company to one per member.

### Your Own RE Consumer Service Center

Your National Association's Service Center for ELCO® Programs will provide RE consumers with the best possible service. If you

have questions about your protection benefits available, or changes to your plan, just call the NRECA Service Center. The special RE consumer telephone number is (919) 832-7597... call COLLECT any weekday and ask for Bill Plunket. He'll be glad to help you.

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To get your free Group Hospitalization Planning Kit, just fill out the coupon on this page and drop it in the mail. The Kit will be mailed to you and will fully explain what is covered, what is not covered, costs and terms of renewability. There is no obligation and no one will call on you. So please act now.



Your National Rural Electric Cooperative Association's Own Insurance Program is underwritten by Continental American Life Insurance Company, Wilmington, Delaware.

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By Look-Alikes. This is  
the only RE Members Group  
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Mail Your Coupon Today.**

# Illinois Rural Electric News

## How much is enough?

In 1977 the demand for electric power by members of one Illinois electric cooperative was more than double that of 1972. Over a five-year period the combined effects of higher per-member electric energy utilization and a sustained increase in the number of new consumers created an annual growth rate of nearly 17 percent, a rate nearly twice the historic load growth rate of electric cooperatives.

The increase in membership that contributed heavily to the higher demand for electric power in the cooperative's service area is due, in no small way, to the ever-more-powerful magnet of rural living. The rural areas so many people sought to escape in years past have acquired an economic and social attractiveness that is not unrelated to benefits resulting from rural electrification.

While the growth rate of the cooperative referred to is about twice that of the average electric cooperative, the two-to-one ratio does help to bring about a better understanding of what is expected to happen in the next ten years, and beyond.

Electric load growth forecasting, once considered a relatively simple matter of following the historic pattern (nationwide it averaged 7.1 to 7.5 percent annual load growth before the oil embargo), has now become cluttered with uncertainties. Many of these uncertainties are directly associated with government regulation, restriction and licensing delay, consumers' ability to continue paying higher costs for all forms of energy and the lack of an accurate projection as to whether energy conservation efforts will continue to be a factor in the long-range supply picture.

Overall nationwide electric power load growth projections of the National Electric Reliability Council,

major electric generating equipment manufacturers and a group of investor-owned utilities point toward electric load growth in a range from three to 5.2 percent, noticeably less than the expected load growth rate of electric cooperatives. In fact, the cooperatives' annual growth rate is expected to more closely follow their historic rate of 9-10 percent, which exceeded the pre-embargo national rate of 7.1 to 7.5 by a fourth to a third.

Current projections indicate that electric cooperatives' future growth rate may be twice that of the nation, the same 2-to-1 ratio as that of the rapidly growing load of the example cooperative compared to the average.

The variations in the projections of the non-cooperative industry segment are indicative of the overall uncertainty as to what consumers will require in the next decade. The difference in the forecast of three percent annual growth and 5.2 percent may not seem significant until the two are projected over a 10-year period. Planning for three percent growth and experiencing 5.2 percent growth, however, can produce a 20 percent shortfall in electric power generating capacity in 10 years.

Considering the substantially higher expectations of rural consumer requirements, the possibility of capacity shortfall looms as an ominous threat to the benefits of rural life so many worked so long to provide for their neighbors and themselves.

The costs of building extra capacity by estimating load growth on the high side will be small compared to the potential economic, social and personal losses that could result from widespread shortfall in the supply of electric energy in the decades ahead.

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### Illinois Rural Electric News

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Cover: Illinois is experiencing another hard winter, yet some winter scenery, such as this small lake with boat dock awaiting warmer fishing weather, helps create fond memories of the cold, snowy season.

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# Paris veal farm is 'strictly Kosher'

**D**on and Faye Camp like to find ways to keep costs down at their Kosher veal operation near Paris, in Edgar Electric Co-operative's service area, so they have cooked up a solar heat collector to help warm their calf barn.

"The barn is 96 by 42 feet," Camp says, "and we built it ourselves with help from our neighbors. It runs east and west, and we covered the south half of the roof with fiberglass over two-by-four purlins (spacers) that give us about four inches of air space between the top cover and the black insulating board. We added a couple of inches of foam insulation under that, and the walls are insulated with foam, too. We pull the air in from the west end of the building. An 18-inch jet Fan pulls it through into a plenum, and it then goes into the confinement area.

"On a zero day with decent sunshine," Camp says, "if we pull the air through slowly, it'll come out of the collectors at 45 degrees. By the time our calves are three to five weeks old, they're giving off enough body heat that our heater won't come on for about six or seven hours during the

middle of the day, when the sun's shining.

"When we had below zero weather a month or so ago, it stayed between 40-45 degrees in the area where our calves stay, with no heat."

Another farmer with a similarly sized operation, but without solar-assisted heating, had heating bills about twice as high as the Camps' Don reports. "That's a pretty good savings," he says, "even if you take into consideration the fact that they live north of here and it may be a little colder there."

"I haven't really figured out what the setup cost," Camp says, "but it cost about \$500 extra for the south half of the roof, and the insulation cost us too, but I figure that the system will pay for itself in five years if fuel costs stay the same as they are now, and sooner if they go up again."

Holstein bull calves, from three days to two weeks old, are initially placed in their confinement house in wooden crates, to be "fattened out" on a diet of special milk mixed from a powder. They receive no iron in their diet, so their meat is white—more the color of pork. After 15 or 16 weeks,



From far left: Two calves await feeding. Don mixes the powdered milk. Don and Faye pour milk into the calves' buckets. Appreciative calves make short work of their rations.



they are ready for market.

The confinement housing accommodates 160 calves, and the system is designed so it takes about four hours a day to care for them. Mrs. Camp notes that the calves are just like any others—playful and affectionate, and that any change in their routine will upset them. “Don and I usually feed them together,” she laughs, “but when our son was getting married I was busy with arrangements and Don fed them by himself for a few days. They didn’t hear us talking to each other the way we usually do, and they went off their feed. They enjoy affection.”

As they care for their calves, the Camps look to the future, and are trying now to decide how to harness the sun for still more savings. They bought two new grain bins not long ago, and they are working to figure out how to get them set up with the least possible cash outlay, while getting maximum efficiency.

“We figured this system out ourselves,” Don says, “but we’re going to go to the University of Illinois for help with our grain bins. We want to do it the best way possible.”

FEBRUARY 1979

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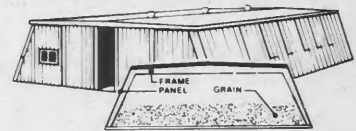
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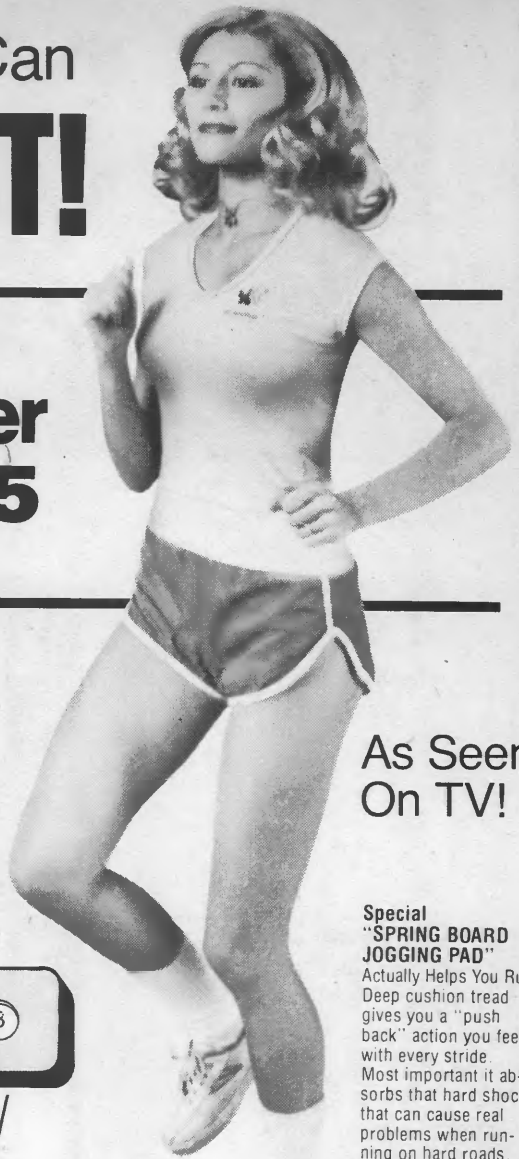
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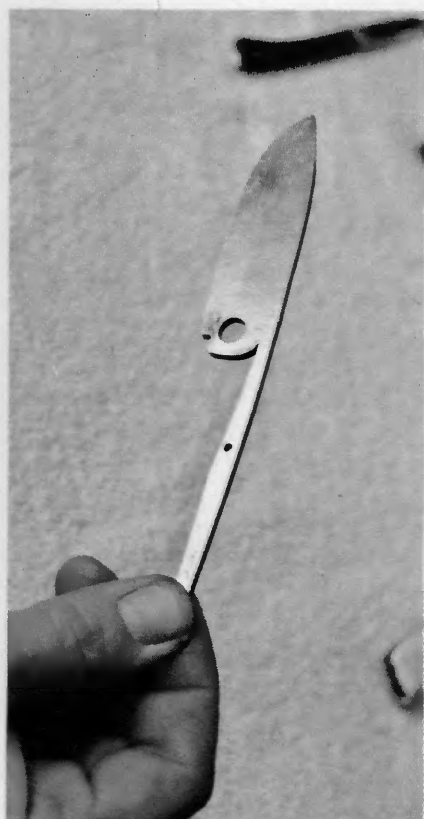
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## Robert T. White - he's filin' fine



What “walks and talks” and is sharp and attractive? Well, to some people, the folding knives built by Bob White fit that description. A knife that “walks and talks” is one that clicks open smoothly and snaps shut soldily, as White’s knives do. They are sharp and attractive, as attested to by the hefty price tags affixed to them. He has sold one of his creations for \$125, and others for nearly as much.

But the prices are not out of line in the custom knife business and are, in fact, quite reasonable. As collectors’ items, they tend to increase in value quickly. As working knives, they are designed from the ground up to be just what the buyer wants, and to do the job he needs to do.

“It’s kind of funny, how I got into knife making,” says White, who lives near Gilson, in Spoon River Electric Cooperative’s service area, “because I’d never thought of getting into that line. One day my son came in with a

top brand commercially made knife that he was pretty proud of. I looked at it and said, ‘Heck, I can build one better than that.’ It turned out that I couldn’t, but I sure can now,” he laughs. His first product, he relates ruefully, was something less than an overwhelming success, and he let a collector talk him out of it, free.

About 90 percent of the knives White makes are folders, often referred to as “pocket knives,” and the others are fixed-blade knives, designed to be carried in a sheath.

“I like folders best because there’s more of a challenge to building them,” he says, “and nearly anybody can build a decent-looking sheath knife. With a folder, you have to be careful fitting the blade, lock, bolsters and scales. It requires more craftsmanship and a heck of a lot more time. I put about 10-12 hours in one, and another hour for the sheaths, which I make myself.”

White’s first unsuccessful attempt  
ILLINOIS RURAL ELECTRIC NEWS





*In the lower left photo, White displays the close fit between the blade notch and locking bar on one of his folding knives. At far left, he sights down the blade of a sheath knife. A proper grind, he says, will show a smooth, straight blade, and is basic to good knife-making. At left is an assortment of White's knives. The knife at left front boasts fancy file work, while the one next to it displays artwork on its scales. The knife second from right has scrimshaw by Gerald Pica on the bolsters, and the folder at right is a fine but unadorned sample of White's work.*

## n' fancy folders

was followed by more—several of them. “I guess the first really salable knife was about the tenth one I made,” the affable 52-year-old White says, “and that’s a fairly short apprenticeship. I already knew quite a bit about metallurgy because I’m a toolmaker, and I worked for ten years as a patternmaker before that, and that background helped me quite a bit.”

His well-equipped workshop suggests a certain familiarity with mechanical things. A small lathe, milling machine, drill press, band saw and an electric heat-treating furnace call the shop home, as do several sanders and grinders.

“The first knife I sold brought \$17,” he says, “and that was about three years ago. It was a little lock-blade folding knife with rosewood scales (handles), and I’d get about \$85 for one like it now. I’ve made about 150 knives since then.”

At first, he notes, he did not put

serial numbers on his knives, but collectors asked him to, and now the number is a part of each knife as it leaves the shop. While it does not make the knife more functional, it does increase the value as a collector’s item.

“My knives are designed and built from the ground up to be working knives,” White emphasizes, “and they’re strong where they need to be, and they’ll hold an edge well, too.”

He prefers an air-hardening tool steel for his blades. One alloy he likes is A2, which is quite showy in that it polishes up well. It is pretty good for stain resistance and edge-holding, too, he says, but not as good as D2, which holds an edge well, resists stains, is fairly easy to sharpen and is not too brittle. Even though it contains 12 percent chrome, it doesn’t polish up as well for display.

“I talk to buyers before I build a knife for them,” he says, “and if they want a working knife I recommend

D2, and for show I suggest A2, but I’ll make a knife out of whichever material they want. Both are darn good materials, anyway.”

He has also used stellite, but finds that it offers no appreciable advantages over the other alloys and is much more difficult to work and sharpen.

“Another reason I use the alloys I do is because some of the others require expensive heat-treating equipment, which I don’t have. I do have a small furnace that I use for heat treatment, and I can heat treat a blade up to about six and a half inches long,” White notes, adding, “Some makers send their blade material out for heat treatment, but I don’t like that practice. As far as I’m concerned, that’s part of the job of making a first-class knife, just like the file work.”

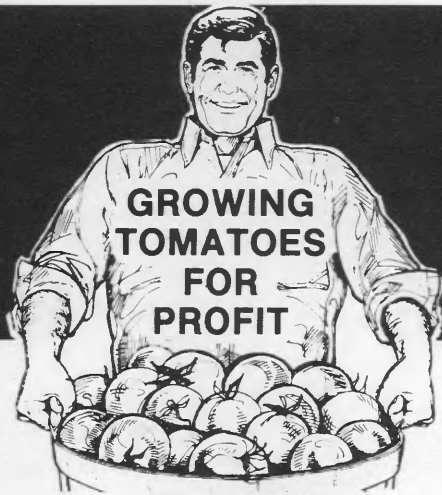
White makes the grips out of

*(Continued on page 14)*

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# ARTHRITIS

True Life Story

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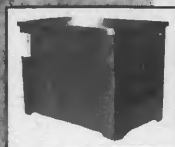
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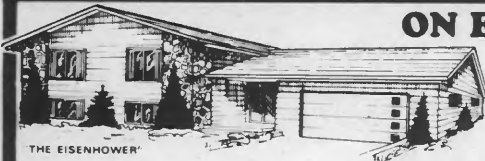
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Illinois cooperative personnel attending the conference were from left: Bob Lands, Southeastern; Raymond C. Weiss, Illini; Gary Buller and Dennis Keiser, AIEC; Leo F. Klingelhoffer, Illini; and Betty Walker, Clay.

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“Solar energy is not free, as many people are leading us to believe. While the rays of the sun don’t cost anything, the collectors necessary to put them to work cost money.” That was the cautious report of William H. Peterson, extension agricultural engineer at the University of Illinois at Urbana, speaking to some 300 persons attending a conference on grain conditioning in January at Champaign.

Peterson said, “Many people are trying to tell us that solar will do so much for us that we’ll never need to build another power plant. Others are saying that solar will do very little for us in the future. I believe that the truth is somewhere between the two extremes, and that solar will be a worthwhile part of our energy mix.”

Peterson noted that one of the reasons he is interested in solar energy is the fact that the future may see the allocation of energy, if there is another oil embargo or because of some other supply problem.

Solar energy is already warming livestock buildings and machine sheds and is drying grain on many Illinois farms, he noted, and the potential is there for much more.

Peterson, who worked with solar energy in South Dakota for several years before coming to Illinois, was one of the developers of the inexpensive solar grain drying system that uses a flat or suspended plate collector wrapped around a grain bin to provide the temperature rise needed

## At Grain Conditioning Conference

# Grain quality, solar energy main topics

for low-temperature grain drying.

"We think that in many cases the multi-use collector mounted on a trailer makes more sense because you can put it to several different uses during the year, but our integral unit was so cheap that it was practical to attach it permanently to the bin. The absorber plate was made of used newspaper press plates."

While other speakers delved into the technical intricacies of drying grain at the lowest possible cost, usually on the farm, Royce A. Hinton, professor of farm management and agricultural economics at the University of Illinois, told the group that on-farm drying and storage may not represent a money-making part of the farm operation.

"You have to take into account the return on the dollars you put into the installation and see if they'd make more money for you if you put them out for certificates of deposit or used them to pay off loans," he said.

"If you buy grain bins just to keep from waiting in line at the elevator, you may be making a mistake. Your

---

... "if you avoid the 'waiting in line' time to do your fall tillage earlier, on-farm storage might help you there."

---

time has no value if you don't have anything to do with it. On the other hand," he continued, "if you avoid the 'waiting in line' time to do your fall tillage earlier, on-farm storage might help you there."

Lowell D. Hill, professor of agricultural marketing and agricultural economics at the University of Illinois, noted that many people are concerned that American grain delivered to other countries is of poorer quality than that from other countries.

"I have seen no real evidence that European buyers buy American grain only after all the other countries have sold theirs, because we're in the market every day. Grain ships from America are in European ports in pretty good numbers, and they're there often," Hill said.

"Part of the problem of quality is that we use different grading system than they do, with numerical grades. They have a system whereby they

purchase grain by what they call the FAQ standard, or Fair, Average Quality. It is a very subjective standard, and no measurements are taken. There were no automatic devices in Europe to sample grain as it arrived until we installed one in London, and we really had to work to get permission to install it there. We expect that objective sampling and testing will prove that our grain is as good as ordered," he said.

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White's fine 'n' fancy folders

(Continued from page 9)

whatever the buyer specifies, buy says micarta is best. "It's impervious to just about anything and it comes in a lot of colors and textures," he says.

"Bone micarta looks like ivory," he continues, "and it even changes color as it ages, just like ivory, and it's a lot cheaper. It doesn't shrink like ivory does, either." Real ivory adds \$20 to \$25 to the price of a knife, and there are exotic woods that can dress up the sides of either a sheath knife or a folder. Cocobolo is a popular wood, White says, and so is rosewood, but they shrink in time, as does staghorn.

"Sambar stag comes from India," the knifemaker relates, "and it's the best of the staghorn materials to use, but it's getting awfully hard to get now. Still, it shrinks a little. All in all, micarta is the best all-around handle material, especially for a working knife."

As requests for fancy scales began to come in, White bought a book for his wife, Virginia, whom he characterizes as "an enthusiast and critic," in the hopes that she would do the "scrimshaw." As it turned out, a fellow worker, Gerald Pica, of nearby Abingdon, expressed interest, and White knives are now available with fancy scales and/or bolsters courtesy of Pica. Additional cost runs about \$30 to \$90, depending on the degree of elaboration and choice of color work.

Many collectors also like fancy filework down the spines of their blades, and White does that, too. As knife collecting has grown in popularity, knives have gone up in price and a custom knife from some makers may take as long as four years to arrive.

"I have a delivery time of four months," White says, "and I won't take an order if I can't deliver the finished product by that time." And, he adds, "I have an absolute guarantee on my work. If, for any reason, the buyer doesn't like his knife, I'll either make him another one or give him his money back."

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# Fireplace accessories can help you

There are a growing number and variety of devices on the market that can be added to conventional fireplaces to increase heat output and efficiency. While such devices will not turn your fireplace into a whole-house heating system, they can produce or reclaim more usable heat than fireplaces without them.

It is very important that potential buyers of such equipment—radiant grates, glass enclosures, heat circulator units, convection heater units, heat tubes and grate blowers—should be alert for excessive claims of some manufacturers, distributors or dealers. According to a Cooperative Extension Service report, a 40 to 50 percent increase in fireplace efficiency resulting from the use of these devices still makes a fireplace only about 14 or 15 percent efficient as a heating unit. A fireplace will not be able to heat an entire home simply by the installation of an add-on device.

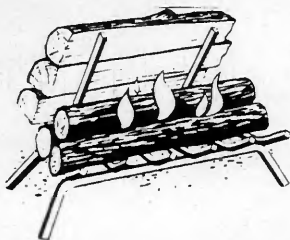
For years fireplaces have been among the most desired decorative appointments for homebuyers. It is estimated that over half of the single-family homes in this country have fireplaces, despite the fact that a fireplace must generally be considered a luxury. Because of the high percentage of homeowners who have fireplaces (and new home buyers are expressing an overwhelming preference for them), it is important that those who plan to use the fireplace for supplemental home heating know how to best maximize efficiency.

Although there are many techniques that can create increased fireplace efficiency, many deal with construction of the home or involve major structural changes.

The add-on devices offer a variety of options.

## RADIANT FIREPLACE GRATES

These grates are designed to hold burning logs in such a manner that more radiant heat is delivered into the living area than is possible with conventional cradle grates. The



*Radiant grates arrange the burning logs to allow the greatest possible amount of radiant heat to be directed toward the living area.*



grate framework arranges logs to form an open cavity of exposed hot coals facing outward to radiate maximum heat into the living area. Extra firewood forms a canopy over the burning logs, with the underside of the canopy becoming a heat-reflecting wall of hot coals.

These grates can be used with or without glass fireplace enclosures. Some grate designs self-feed logs into the fire, requiring less tending and stirring of the fire.

## GLASS FIREPLACE ENCLOSURES

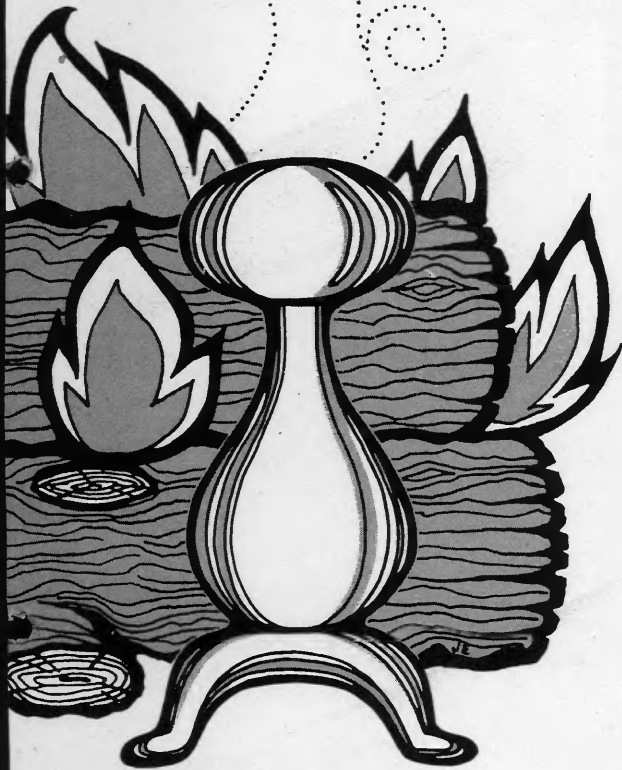
This device offers a good, simple and economical way of conserving fireplace heat by reducing loss of heated air up the chimney by 60 to 85 percent. Properly fitted glass enclosures are attached to the fireplace front or face and are partially airtight.

Glass doors, however, do substantially reduce the amount of heat radiated from the fire into the room. An adjustable damper at the bottom of the enclosure provides precise regulation of the burning rate, but prevents drawing excessive warm air from the living area into the fireplace and up the chimney.

Since the damper mechanism is located at the inlet to the fire rather than at the smoke outlet, both the damper and glass doors can be closed when the fire is left unattended. The smoldering fire is safely contained, smoke escapes up the chimney but the loss of pre-heated room air



# ch lost heat

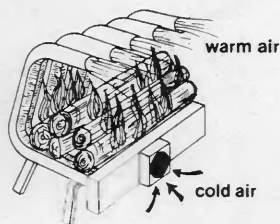


is significantly reduced.

The greatest heat saving with glass enclosures occurs as the closed doors reduce heat loss up the chimney when the fireplace is not in use. A tight-fitting metal cover over the fireplace could also be used to reduce this heat loss.

## FIREPLACE HEAT CIRCULATOR UNITS

This type of add-on unit is placed on the fireplace floor and has ducted chambers located directly below the fire grate and burning logs. A fan draws cold air through the inlet duct and into the exchanger. The warmer air is then recirculated back into the living area. Most units come with an adapter panel to accommodate glass enclosures and are



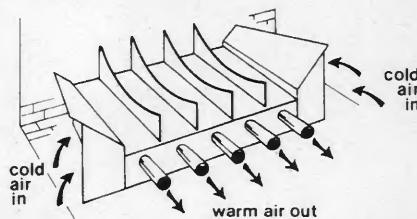
*Curved-tube heaters draw room air into the heating tubes below the fire and circulate the warmed air back into the living area, either by natural convection or with a fan.*

most effective when used with glass enclosures.

## CURVED-TUBE CONVECTION HEATER

This principle is quite simple. When a fire is built over the lower tubes, heated air in the tubes expands, causing an upward flow through the tubes. The rising air is forced out of the top of the tubes and new air is drawn in the bottom of the tubes in a continuous flow.

To accomplish maximum results, the tops of the tubes must be positioned within two inches of the top of the fireplace opening. Such placement helps force heated air far enough into the room to rise away from the fireplace opening and not be drawn back into the fireplace and up the chimney. Tube-type heaters can also be found equipped with electric blowers.



*Grate blower assemblies have hollow tubes and a fan which forces air through the grates and blows the warmed air back into the living area.*

## GRATE BLOWERS

This type of unit capitalizes on the fact that heat of the fire interior is far greater than that of the flame. The fire is built directly on top of the unit, as with a normal fire grate. Heat from the coals is conducted to the interior of this device, where incoming air is warmed as it passed through a series of baffles. A blower forces heated air through the tubes and into the room area at floor level. Even after the fire has burned down to a bed of coals, this device will generate considerable usable heat by pulling heat out of the coals.

All heat circulator units using any portion of metal air chamber or baffle as a grate to support burning wood should be inspected after every 30 days of use for burnout holes, the Cooperative Extension Service cautions. Any burning material falling into the air chamber could be blown into the living area, causing a fire.

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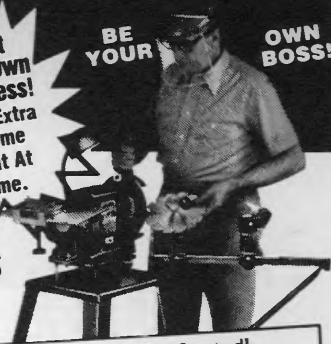
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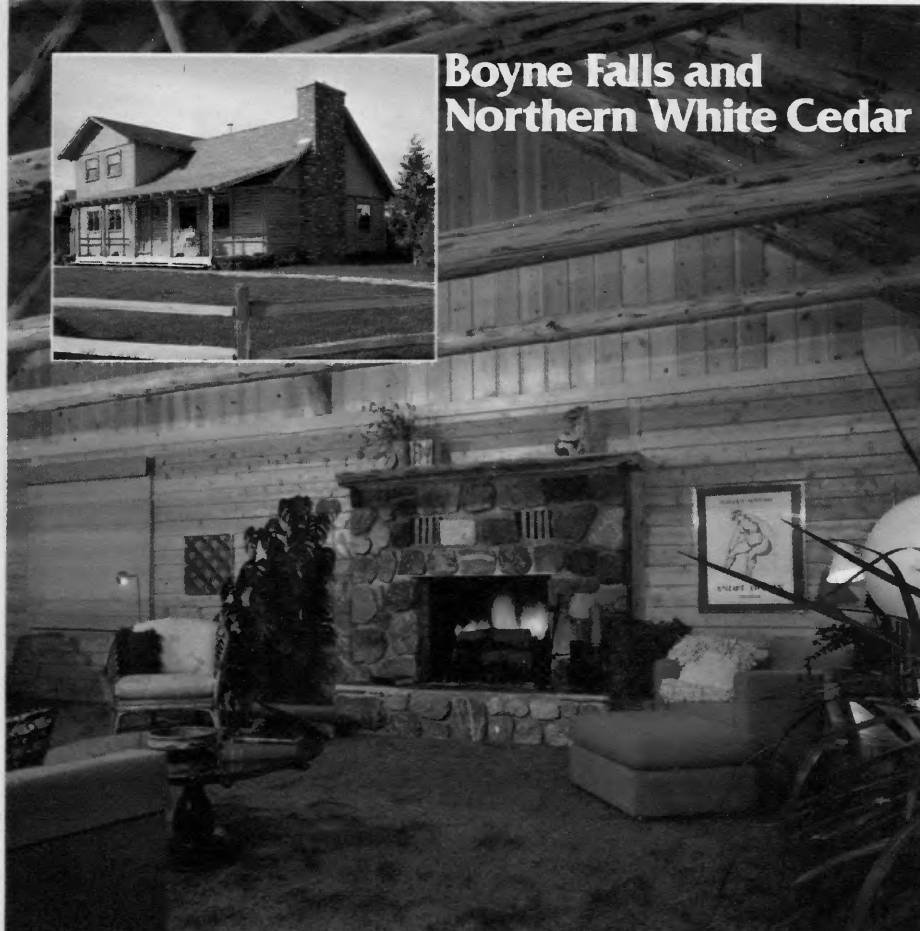
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TULIP TREE (3 to 4 ft.)

A large growing, hardy tree reaching heights of 80 feet or more. Its bright yellow leaves in the fall have tulip shaped flowers in the spring. Rapid grower.

1 Tree	\$1.19
4 Trees	3.99
8 Trees	6.99



THORNLESS HONEY LOCUST (3-4 ft.)

A hardy tree known for its resistance to disease and pests and its bright golden bronze foliage. Known best of all for its "fast growth rate", up to 40 feet at maturity.

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SUGAR MAPLE (3-4 ft.)

The largest of all maples, and its beautiful array of yellow and orange hues make it a sight to remember due to the foliage thickness — A very hardy northern and southern tree and will grow up to 60 feet.

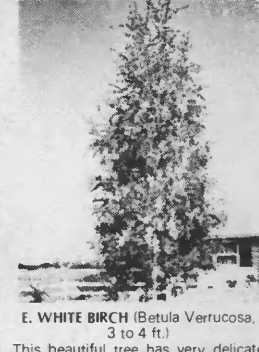
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RED MAPLE (Acer Rubrum, 3-4 ft.)

This is one of the most beautiful of all shade trees. Besides having brilliant scarlet red leaves in the fall of the year, it has another excellent trait — it is an extremely fast grower. It is very easily transplanted and many experts agree it will grow practically anywhere in the U.S.A. Grows to 60 feet.

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4 Trees	3.99



E. WHITE BIRCH (Betula Verrucosa, 3 to 4 ft.)

This beautiful tree has very delicate foliage with snowy white bark, and a compact form — It can be seen growing in all different climates and the multi-trunk (clump) effect can be obtained by planting two or more trees next to one another. It is also a rapid grower.

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Weigela, Var. or Pink, 1 2 ft.	.45 ea
Althea, Red or Purple, 1 2 ft.	.45 ea
Forsythia, Yellow, 1 2 ft.	.45 ea
Pink Spirea, 1 2 ft.	.45 ea
Pink Flowering Almond, 1 2 ft.	.95 ea
Tamarix, Pink, 1 2 ft.	.65 ea
Bush Honeysuckle, Red, Pink or White, 1 2 ft.	.65 ea
Red Flowering Quince, 1 2 ft.	.95 ea
Persian Lilac, Purple, 1 2 ft.	.95 ea
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Bridal Wreath Spirea, 1 2 ft.	.95 ea
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Sprea Anthony Waterer, 1 ft.	.95 ea
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Butterfly Bush, Purple, 1 2 ft.	.95 ea
Green Barberry, 1 2 ft.	.95 ea
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Glossy Abelia, 1 ft.	.65 ea
Winter Honeysuckle, 1 2 ft.	.95 ea
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Burning Bush, 1 ft.	.95 ea

SHADE TREES 1 to 2 Years Old	
Double Pink Flow. Cherry, 3 5 ft.	4.95 ea
Flow. Crab, Red, Pink, 2 3 ft.	2.45 ea
Dwarf Red Buckeye, 1/2 1 ft.	.95 ea
Magnolia Soulangiana, 1 2 ft.	4.95 ea
Jap. Flow. Cherry, 3 5 ft.	4.95 ea
European Mt. Ash, 3 4 ft.	2.95 ea
Red Flow. Dogwood, 2 ft.	3.95 ea

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2 3 ft.	\$1.95 ea
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4 6 ft.	\$3.85 ea
CHERRIES, Varieties: Montmorency, Black Tarragon, Early Richmond, 2 3 ft.	\$3.95 ea
PEARS, Varieties: Kieffer, Orient, Bartlett, 2 3 ft.	\$2.95 ea
3 5 ft.	\$3.95 ea

EVERGREENS 1 or 2 Years Old	
*American Holly, 1/2 1 ft.	\$ .45 ea
*Rhododendron, 1/2 1 ft.	.95 ea
Pfitzer Juniper, 1/2 1 ft.	.85 ea
Cherry Laurel, 1/2 1 ft.	.45 ea
Nandina, 1/2 1 ft.	.85 ea
Boxwood, 1/2 1 ft.	.55 ea
Irish Juniper, 1/2 1 ft.	.95 ea
Savin Juniper, 1/2 1 ft.	.95 ea
Red Berry Pyracantha, 1 ft.	.95 ea
Yellow Berry Pyracantha, 1 ft.	.95 ea
Burfordi Holly, 1/2 1 ft.	.85 ea
Dwarf Burfordi Holly, 1/2 1 ft.	.85 ea
Wax Leaf Ligustrum, 1/2 1 ft.	.45 ea
Colorado Blue Spruce, 1/2 1 ft.	.65 ea
*Mountain Laurel, 1/2 1 ft.	.45 ea
*Canadian Hemlock, 1 2 ft.	.45 ea
*Short Leaf Pine, 1 ft.	.65 ea
Slash Pine, 1/2 1 ft.	.35 ea
*Red Cedar, 1/2 1 ft.	.35 ea
Hetzl Holly, 1/2 1 ft.	.65 ea
Japanese Holly, 1/2 1 ft.	.65 ea
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Austrian Pine, 1/2 1 ft.	.65 ea
Mugho Pine, 3 5 inches	.65 ea
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Gray Carpet, Ground Cover, 3 5 inches	.95 ea
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NUT TREES 1 or 2 Years Old	
Hazel Nut, 3 5 ft.	\$3.95 ea
Butternut, 3 4 ft.	3.95 ea
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Hardy Pecan Seedlings, 1 2 ft.	1.25 ea
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Black Walnut, 3 5 ft.	1.95 ea
English Walnut, 2 3 ft.	6.95 ea
Shell Bark Hickory, 1 2 ft.	1.45 ea

BERRY PLANTS, ETC. 1 or 2 Years Old	
Black Raspberry, 1 ft.	\$ .65 ea
Red Everbearing Raspberry, 1 ft.	.65 ea
Dewberry, 1/2 1 ft.	.65 ea
Boysenberry, 1/2 1 ft.	.65 ea
Blackberry, 1/2 1 ft.	.65 ea
Gooseberry, 2 yr., 1 ft.	1.50 ea
Figs, 1 2 ft.	1.95 ea

BULBS AND PERENNIALS 1 or 2 Years Old	
4 Pampas Grass, White Plumes	\$1.95
10 Hibiscus, Mallow Marvel	1.95
10 Hollyhocks, Mixed Colors	1.95
10 Cannas, Red or Pink	1.95
10 Iris, Blue or Purple	1.95
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10 Shasta Daisy, Alaska	1.95
10 Lupines, Mixed Colors	1.95
10 Sedum, Dragon Blood	1.95
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10 Fall Asters, Pink or White	1.95
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BERRIES, FRUITS AND HEDGE 1 or 2 Years Old	
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10 Asparagus, 1 yr. Roots	1.25
25 Strawberry, Blakemore or Tenn Beauty	2.50
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*6 Partridge Berry	1.95
*10 Bird Foot Violet, Blue	1.95
*10 Trillium, Mixed Colors	1.95
*10 Blue Bells	1.95
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**"Warning: Due to the natural character of trees and nursery stock, mail order shipments may contain trees and nursery stock which are dead or non-viable and will not survive. Loss of a portion of any order of trees and nursery stock when ordered through the mail is not uncommon. Consult the warranty offered by any mail order nurseryman to determine the degree of protection afforded against such loss."**

**NOTICE —** Planting time for Tenn., Ark., Ga., Ala., Mo., Ky., Tex., Fla., La., Miss., N.C., S.C. — Spring Jan. 15 til April 20 — Fall Oct. 1 til Dec. 1. All other states — Spring March 1 til May 20 — Fall Sept. 15 til Nov. 1. This is the best suggested planting dates. However, you can plant any time during these dates the ground is not frozen. Please state when you want shipment made, otherwise we will ship at the best time according to weather conditions.

**NOTICE —** If in doubt about any of these plants listed in this ad growing in your area, check with your County Agent for advice.

**Our plants are nursery grown from cuttings seeds or budded stock unless otherwise stated. These have never been transplanted. Those**

marked with (\*) Asterisks means these are collected from the wild state. Plants are inspected by the Tennessee Department of Agriculture. This gives you a chance to buy at lower prices. You may order as many or as few plants as you wish. Please request when you want plants shipped. If not requested, orders will be shipped at proper planting time for your area. Send \$2.00 for postage and packing. RUSH YOUR ORDER TODAY.

**TWO-WAY GUARANTEE:** We ship live plants packed well to reach you in perfect condition. However, sometimes a package gets lost and stays in transit a long time. In this case, in the Fall and Winter when plants are dormant you can scrape on the bark and tell whether the plants are alive or not. If the bark is green it is alive. We believe we have the best guarantee any mail order nursery could possibly offer. Here is our two-way guarantee. First guarantee — When you receive your order, if there are any plants in bad condition, you notify us immediately and we will replace absolutely FREE. Second guarantee — The reason we make this strong guarantee is because there is no reason any of the plants should die. However, if any fail to live within 12 months from the date of delivery, we will replace for one-half of the original purchase price, plus \$1.00 for postage and handling. No return of dead plants needs sary. We guarantee our plants to be true to name and color. Anything that proves to be wrong color or variety, we will replace free.

## SAVAGE FARM NURSERY

P.O. BOX 1251L • McMinnville, Tennessee 37110

# 18th annual Southern Illinois Farm Materials Handling Show is March 6-8 in Nashville



*Outside exhibit space is used for large equipment displayed during the three-day show, held each year at the Washington County Fairgrounds.*

Families, agribusinessmen and farm leaders interested in the latest advancements in farm materials handling and methods, and general energy efficiency on the farm and in the home will be able to find them at the 18th annual Southern Illinois Farms Materials Handling Show March 6-8 at the Washington County Fairgrounds in Nashville.

As has been the case for the previous 17 shows, 15 of which have been held at the Nashville site, equipment dealers, manufacturers and distributors are rapidly reserving exhibit space in the heated exhibit buildings at the fairgrounds. Large farm equipment is displayed outside.

The Washington County Fairgrounds are located on the south edge of Nashville, off Route 127. Show hours on Tuesday and Wednesday, March 6-7, are from 9 a.m. until 9 p.m. On Wednesday, March 8, hours are 9 a.m. until 3 p.m. The show is open without charge and there is ample parking adjacent to the exhibit buildings. Food service is available on the fairgrounds, including snacks, lunches and dinners.

Sponsors of the show divide the show's purposes into three categories:

- to provide an on-going service to the people in rural and suburban areas,
- to give adults and students the opportunity to view the newest home

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equipment and farm mechanization, and,

- to give manufacturers an opportunity to exhibit and demonstrate their equipment.

Sponsors of the show include the Illinois Farm Electrification Council, Southern Illinois University-Carbondale School of Agriculture, Cooperative Extension Service of the University of Illinois College of Agriculture and the electric suppliers in the region, Illinois Power Company and nine electric cooperatives: Clay Electric Co-operative, Clinton County Electric Cooperative, Egyptian Electric Cooperative Association, Monroe County Electric Co-Operative, Southeastern Illinois Electric Cooperative, Southern Illinois Electric Cooperative, Southwestern Electric Cooperative, Tri-County Electric Cooperative and Wayne-White Counties Electric Cooperative. The Nashville Chamber of Commerce assists with local arrangements.

Exhibit emphasis is on a wide variety of farm and farmstead mechanization and automation equipment, according to Bill Symon, SIU-C farm mechanization specialist and planning coordinator for the show. Included is feed mixing, grinding, handling and storing equipment, along with machinery and setups for feeding, watering and

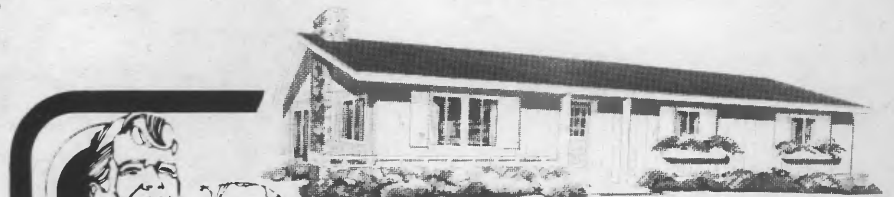
managing livestock; electrical equipment and controls; lighting, heating and cooling equipment, appliances and shop supplies for home and farmstead, and other ideas and materials for saving labor and increasing efficiency.

Special features include daily home shows and demonstration and attendance gifts.

The history of the show began in 1960 with the Farm Materials Handling Workshop in Carbondale. Equipment displayed was limited and

attendance was small, but the idea for a larger public show came from the modest start.

The first show was held in West Frankfort in April 1962. In 1964 the show was moved to Nashville and 34 exhibitors displaying equipment nearly tripled previously shows' averages of about 12. In 1965, the number grew to 49. The show was on its way to becoming a tradition. Over the years, the number of exhibits continued to increase and attendance has steadily climbed well into the thousands.



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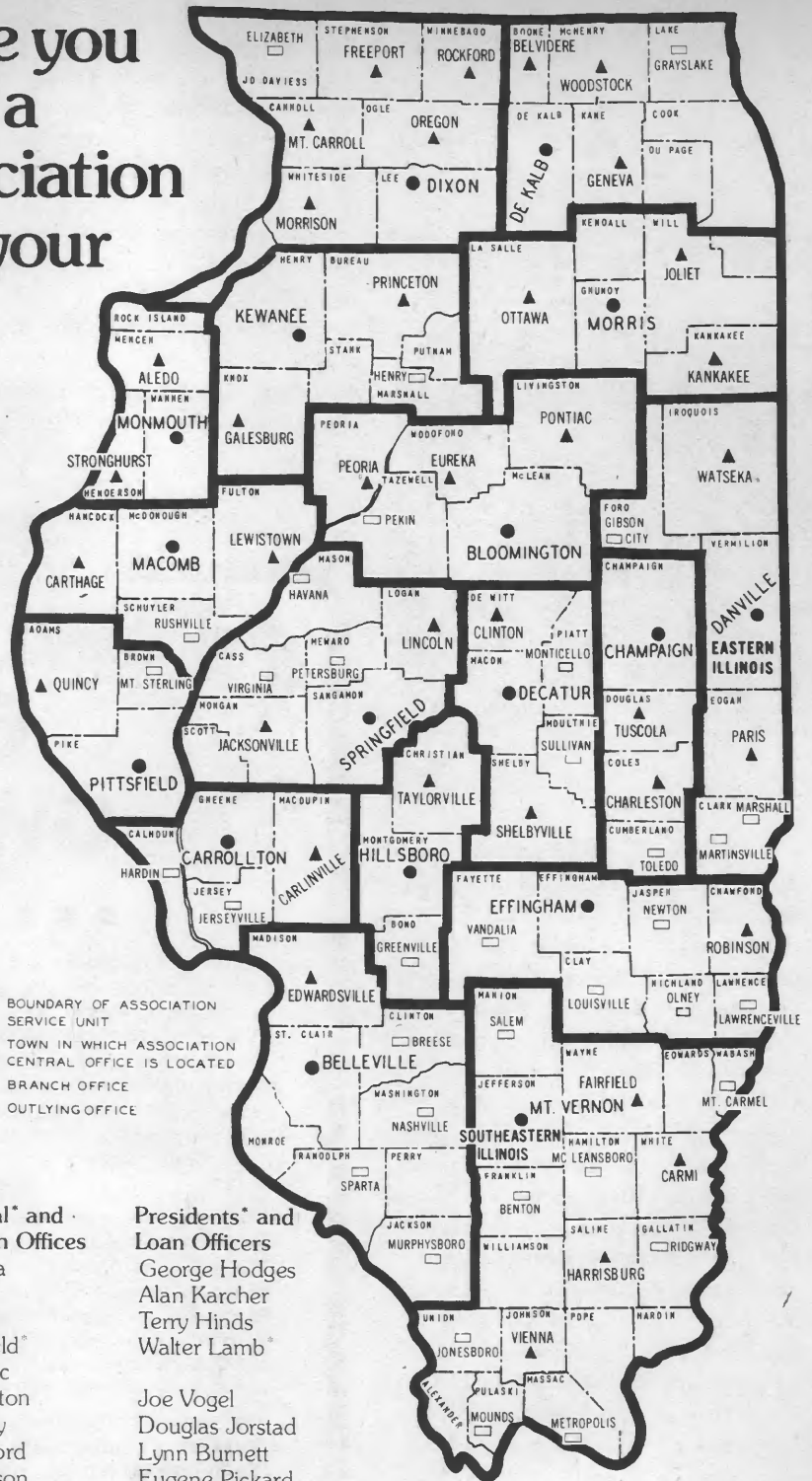
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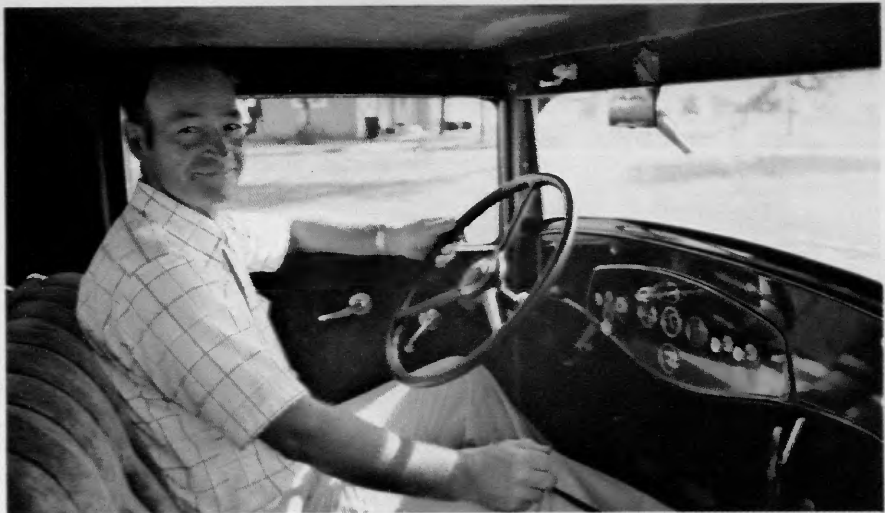
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*Clockwise from far right: The bright green finish of the Oakland is complemented by nature's colors. A unique feature of Peacock's Oakland is the V-8 engine. With ownership comes the pleasure of driving.*

## Vintage Oaklands no

**R**obert Peacock is a happy automobile owner. More specifically, he is a happy Oakland owner, one of a limited number of titleholders to the automobile some may recall as the "bigger Pontiac."

The Iroquois County farmer, a member of Eastern Illinois Power Cooperative, said he learned how to drive in an Oakland and when he ran across an ad offering one of the rare vehicles for sale he made his decision.

Peacock described the situation that led to the Oakland purchase as quite unusual.

Daughter Debra attends college in Denver. Last March the Peacocks, Robert and wife Fern, traveled to Colorado to visit their daughter. The

day they left they stopped at the mailbox, threw the mail into a suitcase and headed west. Upon their arrival in Denver, Peacock noticed that the mail

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**"I bought the car in March and returned to Denver in July to pick it up."**

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included his copy of Hemmings Motor News.

"I started reading it and found an ad for a 1930 Oakland, and it was in Denver. I called the owner. He hadn't

seen the issue and was a bit surprised that I knew about the Oakland being for sale, since his copy of the magazine hadn't arrived in Denver," Peacock said. "He couldn't understand how I got my copy so fast. Then I explained to him that we lived near Dwight, where the magazine was printed and mailed." Peacock had found the Oakland he wanted.

"I bought the car in March and returned to Denver in July to pick it up," Peacock explained. "The paint was badly oxidized. I rubbed it out before we left Denver, and bought a new front floor mat."

The Oakland is the second vintage car Peacock has purchased. The other is a Model A Ford coupe he bought





## really 'bigger Pontiacs'

prior to the purchase of the Oakland.

The Oakland has since become a subject of much study for the Peacocks.

"The Oakland was first built in 1907," Peacock said. General Motors bought out the maker in 1909. Over the years, it would become known for size and quality similar to another GM car, the Oldsmobile, and in the manufacturing and marketing manner of the day it was the "big brother" of the Pontiac for several years. Yet the Pontiac was really the "little brother" of the Oakland, as the Pontiac did not come onto the automobile scene until 1926. (GM produced several "companion" cars throughout its divisions.)

The Oakland's last year was 1931, a model year in which only 14,329 of the cars were sold after a decline in sales from the peak year of 1926, when 56,862 were sold. The drop in Oakland sales was nothing new, however. Sales over the years had fluctuated significantly, and although the surging sales of the new Pontiac in the late 20s helped keep the Oakland division in the black it was eventually the popularity, and lower price, of the Pontiac that made GM stop production of the classy Oakland. In 1930, Pontiacs outsold Oaklands six-to-one.

The last effort of the Oakland division to save the Oakland was to style it to look similar to the Pontiac,

but to feature something different—a V-8 engine. (The Pontiac was equipped with a six-cylinder engine.)

Peacock takes considerable pride in knowing that his Oakland is one of the special ones with a V-8.

(After the disappearance of the Oakland, the renamed Pontiac Motors division of GM used a number of leftover Oakland V-8s in Pontiacs in the 1932 model year, the only V-8 Pontiac had until 1955.)

The V-8 Oaklands had one of the highest horsepower-to-weight ratios of any cars of their time, Peacock said. The power of the car coupled with a high-ratio differential allowed drivers to slow to corner-turning speeds without shifting from high gear, yet

---

**"...a man should keep his first automobile. Then everyone would be in the antique business."**

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the lunging and sputtering normally associated with almost any other manual-transmission auto was negligible, if not nonexistent most of the time.

Their size, weight, power and handling made the final Oaklands some of the great road cars of their day.

The V-8 engine Oakland employed was unusual, Peacock pointed out. It was designed with the valves in a horizontal position, rather than angled the same as the cylinders. It also used a cross-flow radiator, a marked departure from the vertical flow designs common at the time.

Although Peacock did not own an Oakland as his first car, his ownership of a car similar to the first one he drove parallels his philosophy. "I'm a firm believer that a man should keep his first automobile. Then everyone would be in the antique business," he added.

The Peacocks pursue their love affair with the Oakland and other vintage automobiles through membership in the Kankakee Valley Vintage Car Club.



# Pot Roast

## with old-fashioned flavor

### AMERICAN HOME STYLE POT ROAST

- |                         |                                 |
|-------------------------|---------------------------------|
| 1/4 cup corn oil        | 1/4 cup catchup                 |
| 1 (4-lb) chuck roast    | 1/2 teaspoon dried thyme leaves |
| 1 cup chopped onion     | 1 teaspoon salt                 |
| 1 cup sliced celery     | 1/4 teaspoon black pepper       |
| 2 cloves garlic, minced | 1/4 cup corn starch             |
| 3 cups beef broth       | 1/4 cup water                   |

In Dutch oven or large kettle heat corn oil over medium heat. Add meat. Brown on all sides. Add onion, celery, garlic, broth, catchup, thyme, salt and pepper. Cover; bring to boil. Reduce heat and simmer 2 1/2 hours or until meat is tender. Remove meat to platter. Stir corn starch and water until smooth. Add to liquid in Dutch oven. Bring to boil over medium heat, stirring constantly, and boil 1 minute. Serve gravy with pot roast. If desired, arrange boiled potatoes, carrots and green beans around roast. Makes 6 to 8 servings.

NOTE: Vegetables may be cooked with roast in Dutch oven. After roast has simmered 2 hours, add 6 medium potatoes peeled and quartered, and 4 carrots, peeled and cut into 2-inch pieces. Cover and simmer 1/2 hour. Add 1/2 pound whole green beans and simmer an additional 10 minutes or until vegetables are tender.

### CHICKEN STEW

- |  |  |
|--|--|
| 2 broiler-fryer chickens, cut in parts | 2 stalks celery, cut in 3-inch pieces      |
| 1 chicken bouillon cube                | 4 carrots, peeled and cut in 3-inch pieces |
| 2 teaspoons salt                       | 12 small white onions (about 3/4 pound)    |
| 1 bay leaf                             | 1/3 cup corn starch                        |
| 1/4 teaspoon dried thyme leaves        | 1 cup water                                |
| 5 cups water                           |  |

In large kettle place chicken parts, bouillon cube, salt, bay leaf, thyme and water. Bring to boil; reduce heat and simmer, covered, 30 minutes. Add celery, carrots and onions; simmer, covered, about 10 minutes or until vegetables are tender. Mix corn starch and water; stir into chicken mixture. Bring to boil, stirring constantly, and boil 1 minute. Serve in soup plates. Makes 8 servings.

### LIGHT NUT COOKIES

- |                        |                                |
|------------------------|--------------------------------|
| 3/4 cup unsifted flour | 1/2 cup sugar                  |
| 3/4 cup corn starch    | 3/4 cup finely chopped walnuts |
| 3/4 cup margarine      | 1 egg white                    |

Stir together flour and corn starch. In mixing bowl stir margarine and sugar. Stir in flour mixture. Stir in nuts and egg white, blending well. Shape into 1-inch balls. Place on ungreased cookie sheet. Gently flatten with fork, if desired. Bake at 325 degrees 20 minutes or until cookies just begin to brown at edges. Makes about 4 dozen.

### APPLE PIE

- |                                |  |
|--------------------------------|--|
| 1/2 to 2/3 cup sugar           | 6 apples, pared, cored and sliced (6 cups) |
| 2 tablespoons corn starch      | 1 tablespoon lemon juice                   |
| 1/2 teaspoon ground cinnamon   | 1 recipe double crust pastry               |
| 1/4 teaspoon ground nutmeg     | 2 tablespoons margarine                    |
| 1/2 teaspoon grated lemon rind |  |

Stir together sugar, corn starch, cinnamon, nutmeg and lemon rind. Toss with apple slices until coated. Sprinkle with lemon juice. Arrange in pastry lined 9-inch pie plate. Dot with margarine. Make several slits in pastry of top crust to permit escape of steam. (Or, if a pie bird is available, cut a hole the right size to fit bird in top crust.) Cover pie with top crust. (If pie bird is used, set bird in hole.) Seal and flute edge. Bake at 425 degrees 50 minutes or until crust is brown and apples are tender.

### HOT SWEET AND SOUR DRESSING FOR GREEN SALAD

- |                                    |                          |
|------------------------------------|--------------------------|
| 1/4 cup corn oil                   | 1 tablespoon sugar       |
| 2 tablespoons finely chopped onion | 1/4 teaspoon celery seed |
| 1 tablespoon corn starch           | 1/4 teaspoon salt        |
| 3/4 cup beef broth                 | 1/8 teaspoon pepper      |
| 1/4 cup red wine vinegar           |                          |

In small skillet heat corn oil over medium heat. Add onion and saute, stirring frequently, 1 to 2 minutes or until tender. Remove from heat. Stir in corn starch until smooth. Gradually stir in beef broth and vinegar; add sugar, celery seed, salt and pepper. Bring to boil over medium heat, stirring constantly, and boil 1 minute. Makes about 1 cup dressing.

NOTE: To serve, pour hot dressing over salad greens; toss lightly. If desired, sprinkle with sauteed croutons and garnish with sliced hard cooked egg. Extra dressing may be stored in covered container in refrigerator. Reheat over low heat, stirring constantly.

### MEAT LOAF

- |                          |                      |
|--------------------------|----------------------|
| 1 1/2 pounds ground beef | 1 egg, beaten        |
| 1 cup fresh bread crumbs | 1 1/2 teaspoons salt |
| 1 onion, chopped         | 1/4 teaspoon pepper  |
| 1/2 can tomato sauce     |                      |

Mix above ingredients. Form into loaf. Place in shallow pan in moderate oven (350 degrees). While loaf is starting to bake combine the following to make a "sweet sour" sauce to pour over loaf.

- |                       |                                       |
|-----------------------|---------------------------------------|
| 1/2 can tomato sauce  | 2 tablespoons mustard                 |
| 1/2 cup water         | 2 tablespoons brown sugar or molasses |
| 2 tablespoons vinegar |                                       |

Pour over meat loaf. Continue baking 1 1/2 hours longer, basting occasionally.

### QUICK MEAT SAUCE FOR SPAGHETTI

- |                              |                            |
|------------------------------|----------------------------|
| 1 lb. ground beef            | 1 (6-oz.) can tomato sauce |
| 1 can tomato soup            | 1 teaspoon oregano         |
| 1 can cream of mushroom soup | Salt and pepper to taste   |

Cook ground beef in Dutch oven or iron skillet at medium heat until it changes color. Add remaining ingredients. Cook together 15 minutes on medium heat, stirring frequently; or simmer as long as 2 hours. It will be ready to serve over hot cooked and drained spaghetti (cook as directed) in 15 minutes.

### FRENCH QUARTER STEAK

- |                     |                              |
|---------------------|------------------------------|
| 1/4 cup flour       | 1 cup chopped onion          |
| 2 teaspoons salt    | 1/3 cup chopped green pepper |
| 2 teaspoons paprika | 1/2 cup rice                 |
| 1/2 teaspoon pepper | 2 1/2 cups canned tomatoes   |
| 1 1-lb. round steak |                              |

Combine flour, salt, paprika, and pepper. Coat steak well, reserving remaining flour mixture. Saute onion and green pepper in small amount of fat in skillet; remove and set aside. Brown steak on both sides in fat in skillet. Return onion and green pepper to skillet; sprinkle rice over steak mixture. Top with tomatoes. Pour 2 cups hot water over tomatoes. Sprinkle with reserved flour mixture. Cover tightly; simmer for 1 hour.

### MEXICAN BREAD

- |                                |                         |
|--------------------------------|-------------------------|
| 1 cup meal                     | 1/2 cup bacon drippings |
| 2 eggs, beaten                 | 1 lb. ground beef       |
| 1 cup sweet milk               | 1 onion, ground         |
| 1/2 teaspoon soda              | 1/2 lb. grated cheese   |
| 3/4 teaspoon salt              | 4 hot peppers           |
| 1 No. 303 can cream-style corn |                         |

Mix meal, eggs, milk, soda, salt, corn and bacon drippings. Set aside. Brown beef. Pour half of first batter into greased skillet, sprinkle with cheese, then meat, onion and peppers. Pour the remaining batter on top. Bake 45 to 50 minutes at 350 degrees.

### BANANA PUDDING

- |                     |                    |
|---------------------|--------------------|
| 1/2 cup sugar       | 2 eggs             |
| 2 tablespoons flour | 1 teaspoon vanilla |
| 1/4 teaspoon salt   | Vanilla wafers     |
| 2 cups milk         | 4 large bananas    |
- Combine sugar, flour and salt in double boiler; stir in milk. Cook over boiling water, stirring, until thickened. Cook for 15 minutes longer, stirring occasionally. Cool. Beat eggs; stir into cooled mixture gradually. Cook for 5 minutes, stirring constantly. Remove from heat; add vanilla. Line bowl with wafers; top with slice bananas. Pour part of the custard over bananas. Continue layers, ending with wafers on top. Serve warm or chilled. Yield: 6 servings.

### APRICOT FROSTED SALAD

- |  |                               |
|--|-------------------------------|
| 1 small can pineapple crushed or chunks, drained | 1 small can apricots, drained |
|  | 1 pkg. orange jello           |
- Prepare as for fruit salad using apricot juice as part of liquid. When set, spread with topping as follows.

### TOPPING:

- |                       |                       |
|-----------------------|-----------------------|
| 1 cup pineapple juice | 1 egg                 |
| 1/2 cup sugar         | 2 tablespoons butter  |
| 2 tablespoons flour   | 1/2 cup whipped cream |

Combine pineapple juice, sugar, egg and flour and cook until thick. Then add butter, and let cool. Add whipped cream and spread over jello.

### APPLE PUDDING

Quarter six apples and cook until nearly done. Place in baking pan and sprinkle with sugar, cinnamon and nutmeg. Pour batter over top. Make batter as follows:

- |                    |                         |
|--------------------|-------------------------|
| 2/3 cup sugar      | Scant 1 1/2 cups flour  |
| 1/2 cup shortening | nutmeg                  |
| 2 eggs             | salt                    |
| 2/3 cup buttermilk | scant 2/3 teaspoon soda |

Combine and mix well. Pour over apples and bake at 350 degrees for 15 minutes, or until done and golden brown. Serve warm with cream and sugar.

### SOUR CREAM COFFEE CAKE

- |                                |                          |
|--------------------------------|--------------------------|
| 2 sticks margarine             | 1/2 tablespoon vanilla   |
| 2 cups sugar                   | 2 cups flour             |
| 2 eggs                         | 1 teaspoon baking powder |
| 1 cup sour cream (well beaten) | 1/4 teaspoon salt        |

Mix above ingredients together and pour 1/2 in greased floured pan. Sprinkle with 1/2 of topping described below. Pour remaining batter and sprinkle again with remaining topping.

### TOPPING:

- |                           |                       |
|---------------------------|-----------------------|
| 1/2 cup pecans            | 1/2 teaspoon cinnamon |
| 2 tablespoons brown sugar |                       |

Crumble together above ingredients for topping of Sour Cream Coffee Cake.

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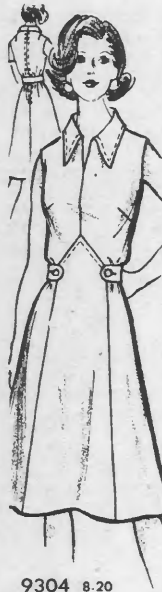
9264  
8-18



8-18  
9243



9102  
SIZES  
2-8



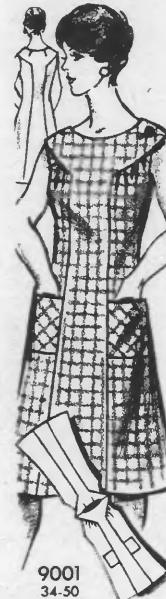
9304 8-20



9386  
TEEN  
10-16



9115  
8-20



9001  
34-50



9045 10½-24½



9362  
8-20



9318  
10½-18½



9200  
SIZES 8-18

- No. 9475 is cut in sizes 10½, 12½, 14½, 16½, 18½. Size 14½ (bust 37) skirt, shawl 2 yards 60-inch; shirt 1½ yards.
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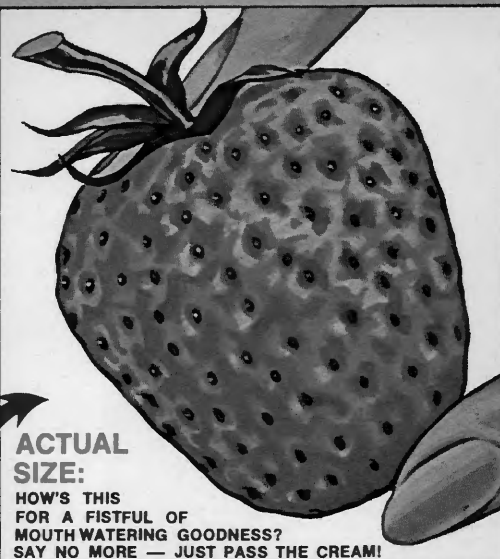


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Because, when in your life did you ever hear of strawberries so eager to grow . . . they'll actually drape your walls, trellises, fences in cascading fountains of fruit . . . each man-high beauty a festival of strawberries from top to bottom from just a 2 foot wide patch of earth . . . and all starting in just 2 months time! And remember, not just ordinary, puny berries . . . but sugar-packed giants:

- SO BIG and juicy, you eat them like hand-fruit.
- SO HUGE and meaty, just 3 sliced-up berries top a cereal bowl!
- SO FAST-growing you'll see it surge into a man-high "berry factory" this very season, starting in Just 60 Days!

**AND THEY MULTIPLY — SO YOU GET TWICE AS MANY MAN-HIGH BEAUTIES EACH AND EVERY YEAR!**

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And remember — because they're winter-hardy (to -30°F) they're one of the sturdiest, easy-to-grow strawberries imaginable. Simply plant them next to fence, trellis, wall or even a pole . . . follow the easy instructions . . . tie for support . . . and be thrilled by the most incredible parade of fruit, flowers, and foliage. There's just nothing else as spectacular in all of nature.

**ACT NOW! THE SOONER YOU PLANT THEM, THE SOONER YOU'LL ENJOY THESE PLUM-SIZE BERRIES!**

Here's the best news of all — the amazing price of these wondrous MAN-HIGH 'SUGAR TOWER' Strawberries. Not the \$1.00 per plant you might expect for such a remarkable super-bearer . . . but less than 50¢ apiece for thickly-rooted nursery-grown plants . . . and each one all set to grow high as a man and bear fruit starting in just 60 days.

But one word of caution — with an incredible berry like this, demand is bound to be overwhelming. To avoid disappointment act now!

**ANOTHER EXTRA BONUS AT NO EXTRA COST!**

All 'SUGAR-TOWER' Strawberry Plants are separately grown for shipment east and west of the Rocky Mountains.

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**MAIL NO-RISK COUPON TODAY**

EDEN VALLEY NURSERY SALES, Dept. JSM-38  
Caroline Road, Philadelphia, PA 19176

Yes, I want to grow MAN-HIGH STRAWBERRIES, with fruit the size of plums. So please rush me the number of 'SUGAR-TOWER' Strawberry plants I have checked below.

- 6 'SUGAR-TOWER' plants . . . \$2.98 plus 35¢ postage & handling.
- 12 'SUGAR-TOWER' plants . . . \$4.98 plus 50¢ postage & handling.
- 18 'SUGAR-TOWER' plants . . . \$6.98 plus 75¢ postage & handling.
- 24 'SUGAR-TOWER' plants . . . \$8.98 plus \$1 postage & handling.

**SATISFACTION GUARANTEED WITHIN 6 MONTHS OR MONEY REFUNDED** (except postage & handling).

Total amount enclosed \$\_\_\_\_\_ PA residents add 6% sales tax. Check or money order, no COD's please.

**CHARGE IT:** (check one) Exp. Date \_\_\_\_\_

- Visa/BankAmericard
- Master Charge
- Bank Number \_\_\_\_\_

Credit Card # \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_ Apt. # \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

6059-125

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**GUARANTEE**  
'SUGAR-TOWER' man-high strawberries are guaranteed to reward you with luscious fruit starting in just 60 days — with berries so big you eat them with a soup spoon — or money refunded (except postage & handling) anytime within the next 6 months!

'Sugar Tower' — A.C.I. trade name for *Fragaria Cultivar*, Ft. Laramie.

# FOR THIS YEAR'S PRIZE ROSE GARDEN

*the world's  
highest rated*

ALL 12 FOR \$17.95  
ANY 6 FOR \$9.95—ANY 3 FOR \$5.50  
Already Selected and Tried . . .  
These are The Best Roses You Can  
Buy . . . Now at Low, Low Prices.

Only the rose has such great beauty of form, pleasing color range, delightful fragrance and is so adaptable to almost every flower garden. However, since there are thousands of different varieties of roses, you can only be sure of beautiful blooms by selecting varieties that have withstood the test of time and remained popular year after year with amateur and expert alike. Each rose offered in this spring planting sale is a formerly patented variety that has been tested and proven for ease of growth, beauty and abundance of bloom, and hardiness in all parts of the country. These are strong, healthy, vigorous rose bushes. And only \$1.98 each!

### FAMOUS "NO-FAULT" GUARANTEE!

These hardy rose bushes are already 2 years old, branched with 2 or more canes, strong, vigorous and healthy . . . tagged with name of variety, well packed for arrival in good condition. If not satisfied on arrival, you may return within 15 days for full refund. Any rose that doesn't grow and develop, we will replace it free (3 year limit).

# ROSES

only \$1.98 each

**FREE** OF EXTRA COST  
**GIANT HIBISCUS**

Bonus for orders mailed before April 25. Nursery grown from seed. 1-2 years old. Large blooms on 6 ft. stems



**PEACE**

Most nearly perfect rose of all. Past "ALL AMERICAN" winner. Produces dozens of blooms up to 8" across almost all summer and fall. Red tinged in ivory, cream, sunshine yellow.



**BLANCHE MALLERIN**

Pure white Hybrid Tea features large, high centered blooms the whitest of them all. Vigorous grower, glossy foliage.



**CRIMSON GLORY**

Deep velvety blooms are finest-red of all. . . and most fragrant, too. Blooms in profusion all summer long.



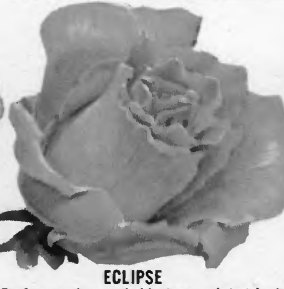
**MONTEZUMA**

Large, high-centered double blooms of brilliant scarlet-orange. Vigorous grower, blooms profusely on a compact bush.



**TIFFANY**

Large long buds unfold into lush double blooms of beautiful warm pink. "ALL AMERICAN" winner, considered one of the most beautiful of all roses.



**ECLIPSE**

Profuse and remarkably long pointed buds open to deep-cupped, long-lasting double golden yellow blooms that come in waves far into fall.



**FORTY-NINER**

Blooms all summer long with brilliantly contrasting petals, vivid Oriental red inside and chrome yellow outside. Former "ALL AMERICAN ROSE SELECTION".



**CLIMBING BLAZE**

This champion climber produces a vivid blanket of big, 2 to 3 inch scarlet-red double blooms on many branched canes. Blooms again and again, summer into fall, covering trellis, walls, fence with vivid color.



**QUEEN ELIZABETH**

Truly one of the most breathtaking roses, its lovely pink flowers bloom early June to frost. Former "ALL AMERICAN ROSE SELECTION" winner.



**CHRYSLER IMPERIAL**

Perfectly shaped tapering buds open into large, velvety, dark red blooms with up to 40-50 petals each! Former "ALL AMERICAN ROSE".



**MIRANDY**

Strong, vigorous grower produces many surprisingly large well-formed blooms, as betwixt a past "ALL AMERICAN ROSE SELECTION" winner. Purplish-red maroon color.



**CLIMBING PEACE**

Flowers generously all summer long with dozens of vivid yellow blooms tinged in red or pink. Quickly clambers over fence, arbor or trellis in a rolling blanket of golden blooms.

**Send No Money — Your Order Will Be Promptly Acknowledged, Carefully Processed And Shipped!**

In all our 36 years of serving flower lovers and home gardeners, we feel this is the best combination of rose bush varieties we have ever offered. These are hardy vigorous plants, not allowed to lie around on display and dry out. When shipped, they are carefully packed, protected and tagged with name of variety. Easy planting instructions included.

Order now to reserve your rose shipment for spring planting. Send no money, you may order on your credit card if you wish. Or send remittance now (plus 90¢ towards postage and handling) — either way, we ship postpaid. Mail order before April 25 and receive free bonus of Giant Hibiscus.

**MICHIGAN BULB CO.**  
1950 Waldorf  
Grand Rapids, Mich. 49550

### SEND TODAY FOR YOUR PRIZE ROSE COLLECTION

Michigan Bulb Co., Dept. E.B. 144, 1950 Waldorf, Grand Rapids, Mich. 49550

Please send Prize Winning Roses as checked below plus Giant Hibiscus bonus if order mailed before April 25. Every rose is guaranteed.

- (412) Prize Winning Rose Collection - 12 Roses, one of each variety . . . \$17.95  
 Any 24 for \$34.95       Any 12 for \$17.95       Any 6 for \$9.95  
 Any 3 for \$5.50       Any One for \$1.98

Cat. No.

INDICATE HOW MANY OF EACH VARIETY:

- |                        |                      |                         |
|------------------------|----------------------|-------------------------|
| (400) Peace            | (409) Eclipse        | (411) Chrysler Imperial |
| (401) Blanche Mallerin | (410) Forty Niner    | (408) Queen Elizabeth   |
| (407) Mirandy          | (405) Tiffany        | (426) Montezuma         |
| (402) Crimson Glory    | (406) Climbing Blaze | (404) Climbing Peace    |

- Remittance enclosed plus 90¢ postage and handling. Ship postpaid.  
 Bill on my credit card, plus 90¢ postage and handling. Ship postpaid. (Check one).  
 Master Charge       American Express       BankAmericard (Visa)

Credit Card # \_\_\_\_\_

Exp. Date \_\_\_\_\_

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