

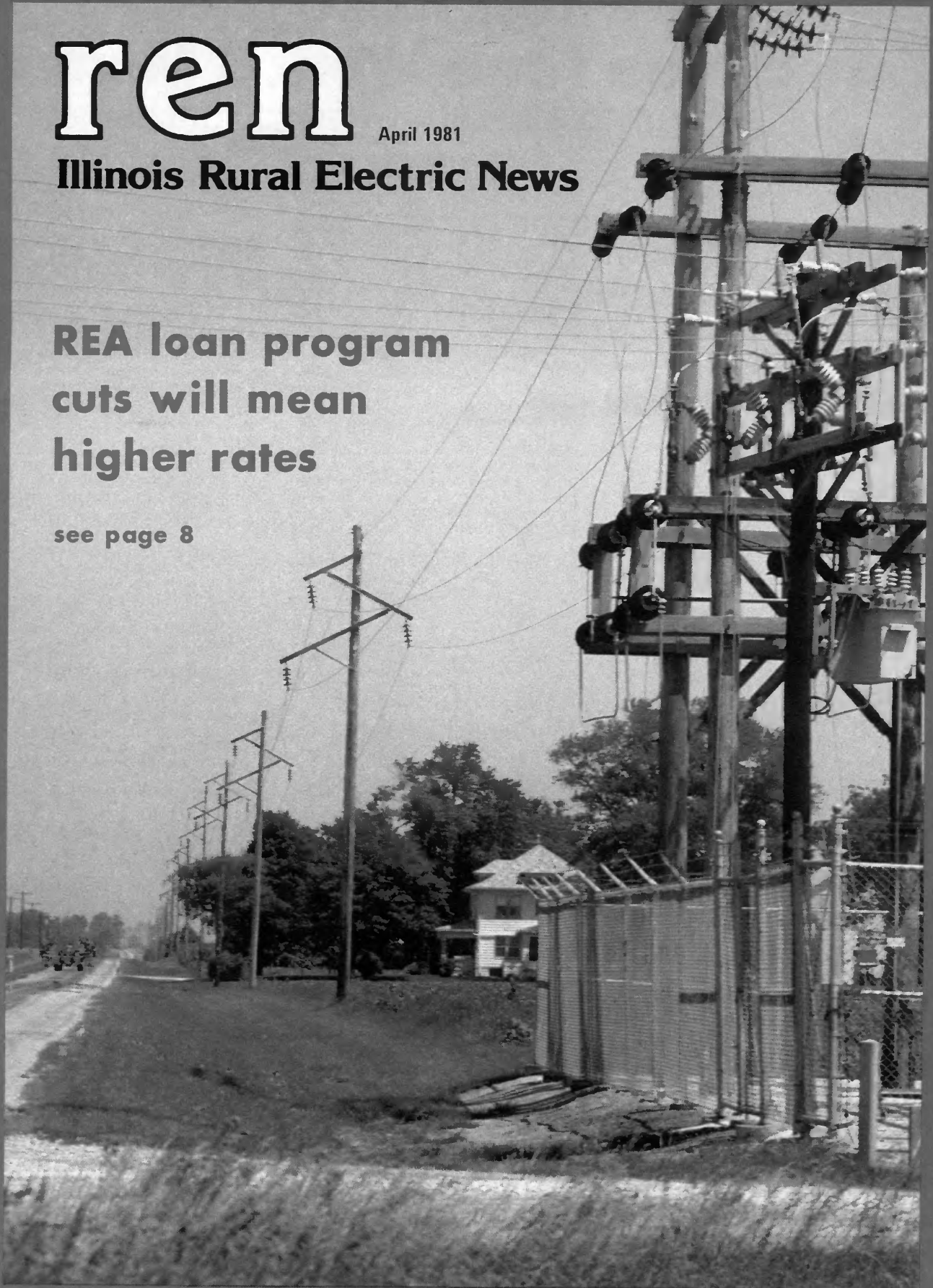
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April 1981

Illinois Rural Electric News

**REA loan program
cuts will mean
higher rates**

see page 8



Lady Plugs In Zoysia Grass Saves Time, Work & Money

FREE! UP TO 200 PLUGS WHEN YOU ORDER NOW!



By Jack T. Johnson
Agronomist

Every year I watch people pour time and money into lawns that fail them just when they want their lawns the most.

I see them reseed, feed, water, weed and mow, mow, mow! When it turns to hay in mid-summer, I feel like calling out, "For Heaven's sake, when are you going to stop throwing money away and switch to Amazoy Zoysia Grass."

In comparison, I'm always happy to get letters from people who have plugged in my Amazoy Zoysia Grass, because they write to tell me how beautiful their lawns are even in midsummer heat and drought.

"MOWED IT 2 TIMES," WRITES WOMAN

For example, Mrs. M. R. Mitter writes me how her lawn "...is the envy of all who see it. When everybody's lawns around here are brown from drought ours just stays as green as ever. I've never watered it, only when I put the plugs in... Last summer, we had it mowed (2) times. Another thing, we never have to pull any



Amazoy is the Trade Mark Registered U.S. Patent Office for our Meyer Z-52 Zoysia Grass.

weeds—it's just wonderful!"

Wonderful? Yes, Amazoy Zoysia Grass IS wonderful! Plant it now and like Mrs. Mitter you'll cut mowing by 2/3...never have another weed problem all summer long the rest of your life!

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No Need to Rip Out Present Grass · Plug in Amazoy!

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Just set Amazoy plugs into holes in ground like a cork in a bottle. (Plant 1 foot apart, checkerboard style.) Easy planting instructions with each order.

Order now for your Bonus Plugs Free, and earliest delivery at correct planting time in your area.

All orders sent shipping/handling charge collect, via most economical means.

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CUTS YOUR WORK, SAVES YOU MONEY

Your deep-rooted, established Amazoy lawn saves you time and money in many ways. It never needs replacement... ends re-seeding forever. Fertilizing and watering (water costs money, too) are rarely if ever needed. It ends the need for crabgrass killers permanently. It cuts pushing a noisy mower in the blistering sun by 2/3.

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When America's largest University tested 13 leading grasses for wear resistance, such as foot scuffing, the Zoysia (matrella and japonica Meyer Z-52) led all others.

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NO NEED TO RIP OUT PRESENT GRASS

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Plug it into an entire lawn or limited "problem areas." Plug it into poor soil, "builder's soil," clay or sandy soils—even salty, beach areas, and I guarantee it to grow!

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If it isn't Amazoy, you're not getting the plugs that made Zoysia famous

EVERY PLUG GUARANTEED TO GROW In Your Area · In Your Soil

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- AMAZOY WON'T HEAT KILL—when other grasses burn out, Amazoy remains green and lovely!

Every plug must grow within 45 days or we replace it free. Since we're hardly in business for the fun of it, you know we have to be sure of our product.

PLUG AMAZOY INTO OLD LAWN, NEW GROUND OR NURSERY AREA

Just set Amazoy plugs into holes in ground like a cork in a bottle. Plant 1 foot apart, checkerboard style.

When planted in existing lawn areas plugs will spread to drive out old, unwanted growth, including weeds. Easy planting instructions with order.

NO SOD, NO SEED

There's no seed that produces winter-hardy Meyer Z-52 Zoysia. Grass and sod or ordinary grass carries with it the same problems as seed—like weeds, diseases, frequent mowing, burning out, etc. That's why Amazoy comes in pre-cut plugs...your assurance of lawn success.

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Just for Ordering Now!

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Illinois Rural Electric News

Voice your concern about REA cutbacks

Those who have been keeping up with the proposed federal budget cuts of the Reagan Administration know that some of those changes proposed will have a marked effect on the rural electrification program. There has been much written about the proposals. However, there is much more that needs to be said.

Many who pass judgement on the rural electrification program today forget that the role of the Rural Electrification Administration (REA) was to provide the investment capital needed to extend electric service to rural America and to make service affordable. They forget that electric service is only a means to an end, that the ultimate goal was, and should be today, to improve the quality of life in less heavily populated areas. With lower consumer density and even lower revenue density than urban-based electric utilities, the struggle to provide affordable electric service in rural areas in these inflationary times is more difficult than ever.

Officials of the federal Office of Management and Budget and advisors to President Reagan are under the delusion that rural Americans enjoy electric rates 10 to 12 percent below rates prevailing in areas served by non-REA financed utilities. Cooperative member-owners know that just the opposite is true, that on average rural electric system rates are 10 to 12 percent higher than rates charged by investor-owned utilities and that without access to REA loans, and without their non-profit cooperative business

organization, rural consumers would have to bear an even greater burden.

Member-owners of electric cooperatives across Illinois need to be familiar with the far-reaching changes the Reagan Administration has proposed in the rural electric loan programs and the impact those changes would have on the electric cooperatives' cost of obtaining needed capital to continue the job of providing reliable electric service at the lowest possible cost to member-owners.

Put bluntly, the proposed changes in the REA loan program mark the beginning of the end of REA. The economic goals of the Administration are highly desirable, but the planned changes in REA will have no impact whatsoever on the federal deficit. The only impact will be higher interest costs, reduced budgets for needed capital investment and higher rates to member-owners.

Since most of the proposed changes in REA loan programs require Congressional action, electric cooperative member-owners have a chance to make their voices heard to help preserve the rural electrification program. Beginning on page 8 is information on these changes. After you have read about these proposals, write your Congressman and other public officials to let them know that starving electric cooperatives through reductions in the REA loan program will only increase electric rates to rural residents, adding fuel to the fire of inflation, rather than helping end inflation. Make your voice heard, now.

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Cover: Electrification has meant much to rural America. For the last 45 years farmers and other rural dwellers have utilized the self-help principles of cooperation to improve both the quality of rural life and rural economy. Budget proposals by the Reagan Administration could change much of the rural electrification program. See story starting on page 8.

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Workshop rehabilitates handicapped

Social services funding is in limbo now, with budget cuts more and more likely. With this fact facing them, the people at the Franklin-Williamson sheltered workshop in West Frankfort needed a way to come up with a new source of income.

One source, according to Terry Hill, marketing manager for the workshop, is aluminum can recycling. Since the workshop must fund 40 percent of its \$750,000 annual budget, sources of funding are always welcome, and recycling seemed to be a natural, Hill says. The workshop is in Southeastern Illinois Electric Cooperative's service area.

"Aluminum can recycling is an investment in the future," he says, "and it's one way everyone can fight litter, conserve raw materials, and earn money. We pay 20 cents a pound for aluminum, and everybody is a winner when you recycle."

The workshop owns a machine that flattens cans and sorts out the ones that are not all aluminum, and throws the good ones into a semi-trailer to go back to be melted down. "We can get about 17,500 pounds of cans in the trailer," Hill says, "and we figure that amounts to about 420,000 cans.

"We have another source that looks promising, too," he says. "David Rogers, a 75-year-old Marion man who hates to walk the 100 yards to his mailbox, especially in bad weather, came up with a little device that tells him if the mailman has opened his mailbox. He wanted to see if somebody would manufacture it, since it seemed to have sales potential," Hill says, "but he couldn't find anybody who was interested.

"Marion Chamber of Commerce manager Milt Witt suggested that Rogers try the sheltered workshop, and it looked like the idea we needed," Hill says.

Rogers, a retired Union Carbide executive, came in with a small gadget that was essentially a coathanger with a coffee can lid attached and a fishing weight on the other end. A simple notched strip on the mailbox door

trips the lever and the flag pops up, signaling that the box has been opened.

"It looked like a good idea from our standpoint," Hill says, "because we needed a product we could sell at a profit and that takes a minimal investment in machinery, tools and materials. Assembly has to be safe and fairly simple for our clients to handle, since they all have various handicaps. Usually the only kind of work that fits those guidelines has been subcontracts from private industry."

The shop, he says, does a lot of work for such companies as Mark Twain, Olin Corporation, Federal Wire Mill, MCA Records, Diagraph-Bradley and Norge. Much of the work involves manual packaging, sorting and similar simple but labor-intensive jobs that many companies are reluctant to have

performed by skilled workers.

"The trouble," Hill says, "is that when the economy hurts, we hurt, too. They don't want to subcontract to us when they're laying off their own workers. We have a good-sized contract here from Olin where we're sorting machine gun belt links and reassembling them. We also make wooden pallets for several companies but that business is down a little right now."

Hill and Gail Kear, director, point out that the workshop is run on a strict businesslike basis. The service it offers are tied in with a very specific quality control program, and the shop observes ship in and ship out dates very carefully, just like any business.

Clients at the workshop work in an industrial environment, down to a timeclock and 15-minute breaks.



cycles aluminum, offers crafts

Handicapped people are paid by piece rates, based on prevailing rates being paid by the industrial community for the same work.

"We break down every subcontract we procure," Hill says, "and we time-study it, break it down into task elements and calculate production rates. Our system is designed to resemble an industrial situation as closely as possible, and a primary goal in working with the handicapped is to prepare them for eventual employment in the community."

For those handicapped persons not capable of being employed in the community, the workshop provides a regular work program. Many of them, residents of nursing homes or boarding houses, have no families. The work program gives them an opportunity to gain self-respect by earning a wage,

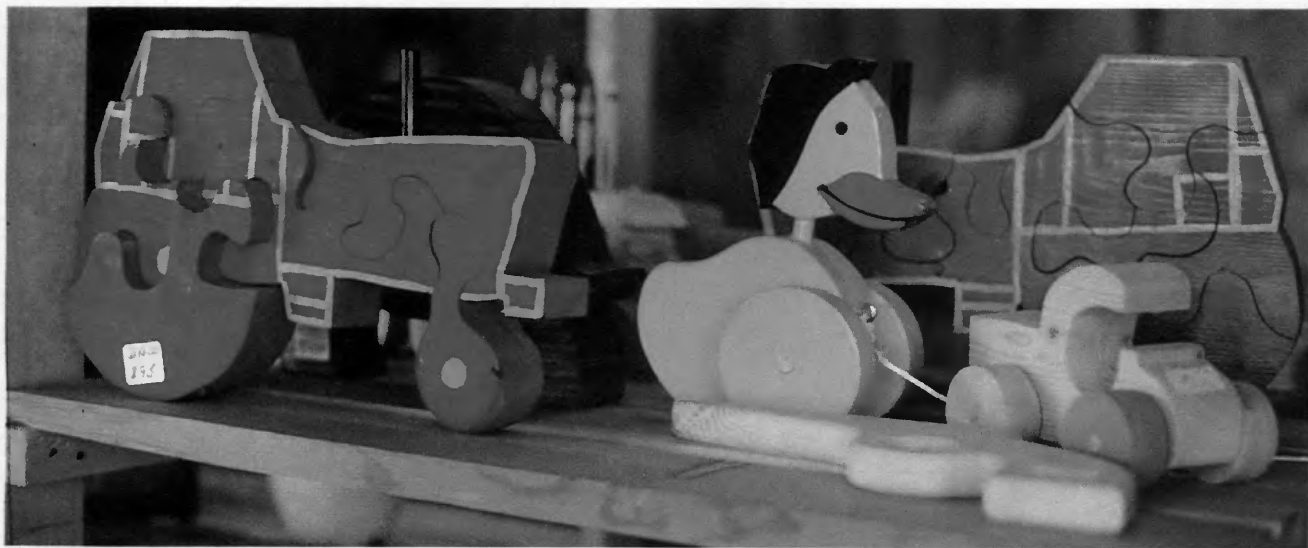
and it gives them an opportunity to socialize, too.

Along with skills training, the client receives a comprehensive program of rehabilitation services including an evaluation of job skills, counseling, developmental skills training, job placement and referral services.

"The federal government gets more money back out of a program like this than any of its other social programs, because many of our clients enter the work force and become taxpayers," Kear emphasizes.

The workshop is involved in a small amount of primary manufacturing now, partly in crafts, and there is a retail craft outlet in the building, which is located at 902 West Main St. in West Frankfort. Naturally, sales skills are taught to clients in the workshop.

Clockwise from below: Some of the items sold in the craft shop. Recycling aluminum cans, an overall view of the craft shop. A small stuffed horse and big unicorn are just a few of the crafts for sale.



Record peak demand coupled with decreased kilowatt-hour usage in 1980 resulted in the lowest annual load factor in the history of Western Illinois Power Cooperative (WIPCO), representatives of WIPCO's seven member-cooperatives were told during WIPCO's annual meeting in March.

General Manager Donald B. Bringman said the Jacksonville-based system, which provides electric service to consumers in 22 counties of west-central Illinois, recorded a maximum demand of 146,125 kilowatts, up more than 12 percent over the maximum peak demand of 1979. While the peak demand was increasing sharply, Bringman said, kilowatt-hour usage by consumers was down. Only

Record peak demand forc

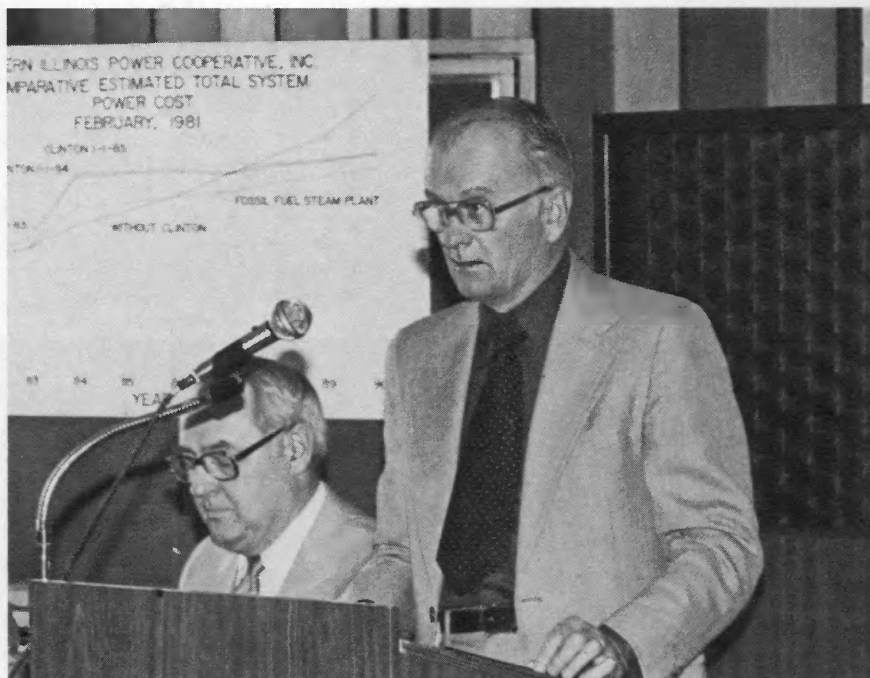
one of the seven member-cooperatives recorded increased usage during 1980.

WIPCO Board President Lester W. Aeilts of Carthage attributed the record peak demand to the heat wave last July. He said a large number of the substations at the Carthage-based Western Illinois Electrical Coop. peaked during that month, marking a sharp departure from peaks usually occurring in the winter months. He said the surge in demand brought

on by the heat was "something we can't do much about." He termed the drop in load factor as a significant problem for WIPCO, and added that a shifting of consumer loads from peak times to off-peak periods would be beneficial. (Load factor is a utility's average load as a percentage of its peak load.)

Bringman said the 1980 load factor of 44.7 was about three percent below the previous low set in 1964.

Clockwise from right: Donald B. Bringman delivers his manager's report as Lester W. Aeilts, WIPCO president, looks on. Illinois Power Company's William Gerstner was featured speaker. Robert D. Smith, left, of Barry and Wayne L. Laning of Mt. Sterling examine WIPCO's annual report.



WIPCO load factor down

In addition to Western Illinois Electrical Coop., other member-cooperatives making up WIPCO include: Adams Electrical Co-Operative, Camp Point; Illinois Rural Electric Co., Winchester; M.J.M. Electric Cooperative, Petersburg; Rural Electric Convenience Cooperative, Auburn, and Spoon River Electric Co-operative, Canton.

Two long-time leaders in the activities of their electric cooperatives were elected to the board of directors during the meeting. Harold Massie of Carthage and Roger Mohrman of Camp Point joined 12 other representatives of member-cooperatives on the board. Massie replaces the late Charles R. Melvin of Carthage and Mohrman replaces Dean L. Searls of Camp Point, who retired March 1 as manager of the Camp Point-based electric cooperative.

Twelve members of the board were reelected, including: Lester W. Aeilts,

Carthage; Gene Burton, Browning; Robert E. Gant, Winchester; Roy D. Goode, Virden; Wayne Harms, Carlinville; Kenneth Marlow, Huntsville; William F. McCamey, Canton; Stanley Otten, Modesto; Virgil T. Parks, Milton; John E. Root, Petersburg; Charles W. Witt, Carlinville, and Robert F. Zook, Athens. All directors serve one-year terms.

Featured speaker for the meeting was William Gerstner, executive vice president of Illinois Power Company. Illinois Power is building the nuclear Clinton Power Station, of which WIPCO is a 9.5-percent owner. (Another federation of Illinois electric distribution cooperatives, Soyland Power Cooperative, owns 10.5 percent.)

Gerstner updated WIPCO members on the progress of construction at the DeWitt County site. He said that regulatory and licensing delays were responsible for a setback in the

commercial operation date of the 950-megawatt plant. Fuel loading is expected in January 1983 and commercial operation is anticipated in September 1983.

He called for renewed federal interest in the reprocessing of spent nuclear fuel and in the breeder reactor program. Gerstner urged greater American awareness of the nuclear advancements of other countries. He said that France had become the world's leader in nuclear technology. "If we neglect our energy resources, we could become one of the world's poor nations," he added. Nuclear waste resulting from the lifetime operation of the Clinton plant, he said, would be equal to about the volume of a two-car garage.

Tribute was paid during the meeting to retired director Dean L. Searls, one of the original WIPCO directors. Bringman termed Searls, "a guiding light of WIPCO."

Following the meeting, the board reorganized and reelected Aeilts president and Kenneth Marlow vice president. Gene Burton was elected secretary-treasurer and Robert E. Gant was elected assistant secretary-treasurer.

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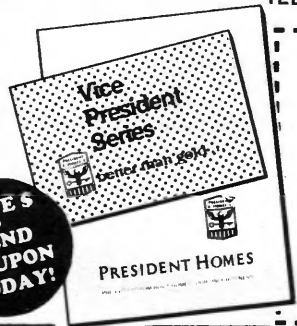
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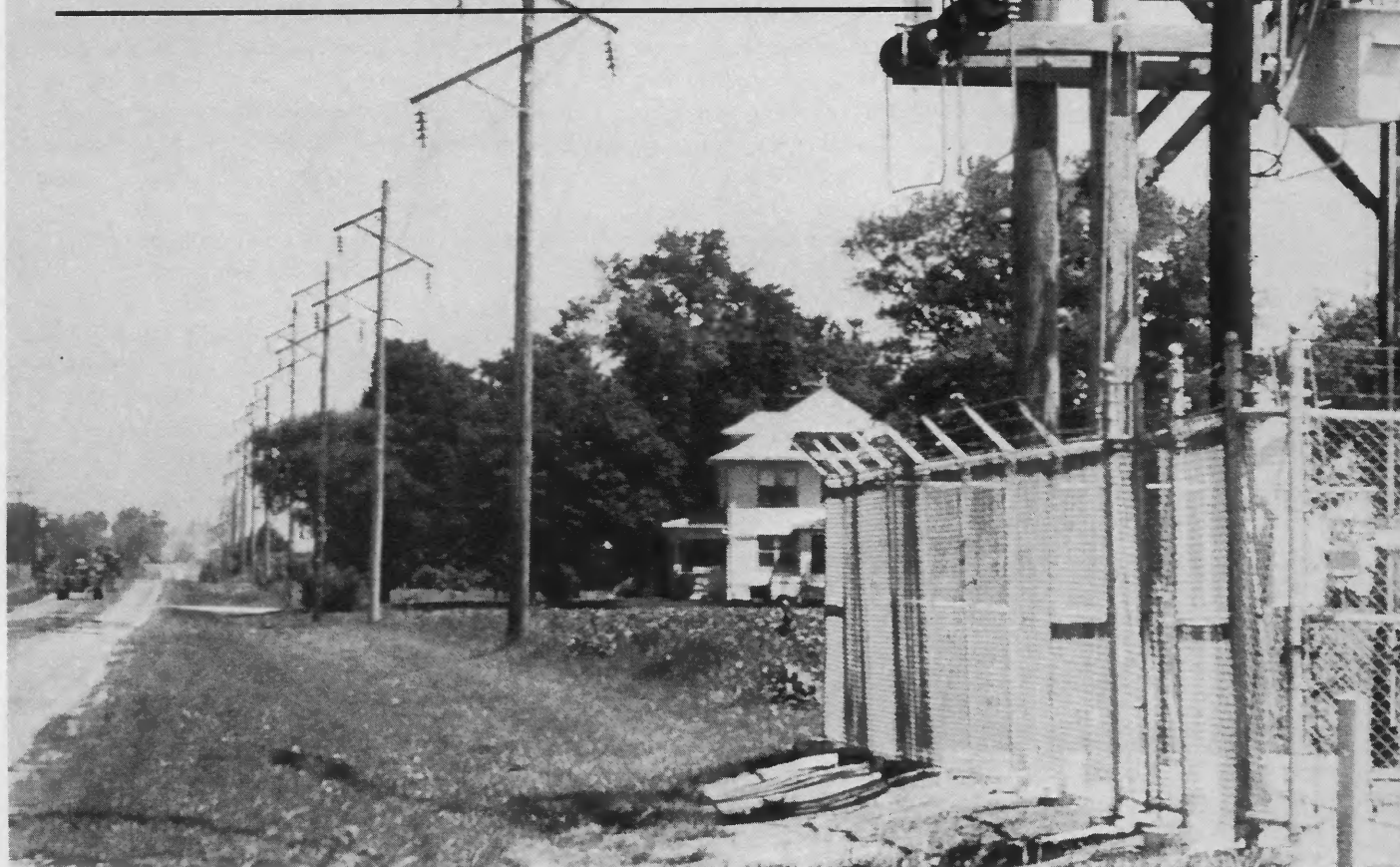
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Administration budget heavy sword hanging over rural electrification



Rural electric leaders' worst fears were realized March 10 when President Reagan sent his 1982 federal budget to Congress. Several sections, if implemented, will have profound impact on the rural electrification program that has meant so much to millions of rural Americans.

Among sections affecting the Rural Electrification Administration (REA) loan program are:

- Kill two-percent loans in total.
- Slash five-percent insured loans from a ceiling of \$1,000-million planned by the Carter Administration to \$700-million.
- Gut the guaranteed loan program, the major source of power supply loans, by denying REA access to the Federal Financing Bank.

If the Administration has its way, it appears even the five-percent REA

insured loans will be killed after fiscal year 1982, ending more than 45 years of federal government efforts to provide rural America with electric service equal to that of cities and at rates approaching those paid by urban residents. While the Administration has the authority to deny REA access to the Federal Financing Bank (FFB), the Congress will have to approve the decisions on two-percent and five-percent insured loan programs. And, it is in Congress that electric cooperative leaders hope to stem the attacks on rural America.

The radical changes in the REA loan programs originated in the federal Office of Management and Budget (OMB) and have been strongly advocated by OMB Director David Stockman in his zeal to reduce federal deficits and curtail federal involvement

in the nation's credit markets. The result, Stockman says, will be reduced inflation and reduced interest rates.

"The drastic cuts and shifts in the Rural Electrification Administration loan programs won't make a dime's worth of difference in the U.S. deficit but they will make more than a dollar's worth of difference in the cost of living of rural electric consumers," said Thomas H. Moore, executive vice president and general manager of the Association of Illinois Electric Cooperatives, as he characterized his reaction to proposals by the new Reagan Administration to reduce REA revolving fund loans and end Federal Financing Bank support of REA guaranteed loans.

"Both the insured and guaranteed loan programs are entirely off budget with no U. S. tax monies involved and

neither adds one cent to the deficit the Administration is trying to control," Moore explained. "Although the REA loan changes are proposed as part of the President's anti-inflation package of budget cuts, the REA changes will not reduce the budget, but will increase inflation for the 25 million Americans who depend on electric cooperatives and other rural electric systems receiving loan funds through REA. There is no other way for non-profit cooperatives to pay increased interest costs than through increased rates."

Generation and transmission cooperatives such as Soyland, Southern Illinois and Western Illinois power cooperatives in Illinois receive the majority of their investment capital from REA with the funds raised in private money markets by FFB. Because of the FFB involvement, the cooperatives enjoy about a one-percent interest advantage over funds they could borrow from other sources.

"I was shocked to learn the REA is the only federal agency the Reagan Administration has singled out to cut off entirely from access to FFB funding of loan guarantees," Royal Newman, general manager of Soyland, said. "Power supply projects such as our 1987 coal-fired plant will have to be built to meet demand and the money will have to be borrowed,

if not through the FFB, then from other sources. The net impact on the credit markets will be the same but the impact on our member-cooperatives and their member-owners will be higher electric rates to cover higher interest costs. That means higher inflation for rural Americans."

Higher rates to member-owners will be the direct effect of the Administration's plans for REA, according to Milo Thurston, president of the AIEC Board of Directors, a director of Southern Illinois Power Cooperative at Marion. "The indirect effects are harder to measure but just as real," he said. "Higher interest costs will lead to even greater budget pressure than we already face from inflation, which will affect our ability to attract, train and keep quality personnel, and this will affect the reliability of our service, and in the long run lead to still higher rates."

"I know this looks like the beginning of the end of the REA as we have known it," Dennis L. Tachick, Soyland Power Cooperative secretary-treasurer and manager of Paxton-based Eastern Illinois Power Cooperative, said. He remains confident, though. "I expect the Reagan advisors to back off the REA when they learn the facts about our loan programs," Tachick explained. "They've looked at some numbers in the federal agencies

without looking at the real impact of the numbers on either the federal deficit or inflation. Right now our problem is to educate the new Administration, the members of Congress not familiar with our program and the general public to the real nature of the REA loan programs."

Member-owners of Illinois electric cooperatives can voice their concerns about the higher interest rates and their impact on electric rates to Washington. Below are the addresses of your elected representatives:

President of the United States
President Ronald Reagan
The White House
1600 Pennsylvania Avenue
Washington, D. C. 20500
Dear Mr. President:

United States Senators
The Hon. Charles H. Percy
Room 4321
Dirksen Senate Office Building
Washington, D. C. 20510
Dear Senator Percy:

The Hon. Alan J. Dixon
Room 456
Russell Senate Office Building
Washington, D. C. 20510
Dear Senator Dixon:

Your Congressman
The Hon. John Doe
U. S. House of Representatives
Washington, D. C. 20515
Dear Congressman:

OMB 'Black Book' and the FACTS

The Reagan Administration proposals for changes in the Rural Electrification Administration (REA) loan programs first surfaced in Washington, D. C., in a "Black Book" compiled by Office of Management and Budget Director David Stockman. Much of what was said about REA programs in the book was in error, but has been picked up and reported by national news media. Following is the OMB view of the rural electrification program and some of the facts of rural electric life.

The OMB: Electric Cooperative rates are eight to 12 percent below rates charged customers of non-REA financed utilities.

The FACT: Throughout the United

States rural electric rates on average are higher than rates charged in the cities. This can be traced to the fact that rural electric systems serve 4.6 consumers per mile of line, compared with 35.8 consumers per mile for electric companies. Electric cooperatives were founded to serve areas electric companies could not serve at a profit. It was true in the 1930s and 1940s, and it is still true today.

The OMB: Elimination of Federal Financing Bank funding of REA loan guarantees will result in lower interest rates and help the fight against inflation.

The FACT: Most power supply loans are funded through the FFB, with generation and transmission (G&T)

paying an interest rate equal to the FFB's cost of funds in the private money markets plus .12 percent. In late 1980 Illinois G&T's were paying 10.98-percent average interest on loan guarantees authorized by REA, a rate approximately one percent below what they would have paid for funds borrowed through other sources. Elimination of the FFB funding will not eliminate the need of the G&T's for funds, and thus will have no impact on demands in U.S. credit markets, but will increase interest costs for the G&T's, resulting in increased rates to member-cooperatives and their member-owners. Instead of helping the U. S. Treasury deficit, cutting off FFB-borrowed funds from electric cooperatives will actually add to the

deficit because the .12-percent "over-ride" will cost the Treasury \$60-million over the next four years. Why the REA loan programs were singled out for elimination of FFB funding is unclear. Of total FFB holdings at the end of October 1980, REA programs amounted to 12.6 percent of the FFB's \$83.9-billion total. Among the other 27 agencies and programs receiving funds through the FFB, Foreign Military Sales and the Export-Import Bank had received \$17.4 billion or 20.7 percent of FFB financing.

The OMB: Elimination of the two-percent REA insured loan program will "save" the government \$173-million a year.

The FACT: Increasing to five percent the entire \$142.6-million loaned at two percent by REA last year would increase interest costs to the 140 qualifying rural electric systems by only \$4.3-million annually. The impact on the systems would be substantial because to qualify for the

two-percent loans now the systems must meet special statutory need criteria, generally low equity ratios and very low revenue and meter density.

The OMB: The government can save \$200-million annually by eliminating REA loans for "power supply" and "operating subsidies."

The FACT: Since REA makes no loans for either purpose it is unclear where any savings would come from.

The OMB: A 25-percent reduction on the principal amount of "direct" REA loans will save approximately \$275-million annually.

The FACT: Since all REA insured loans are made from the revolving fund (old loan interest and principal repayments) and are not included in the federal budget, it is difficult to see where the savings would be realized. What would be realized is increased borrowing by electric cooperatives from non-REA sources at

sharply higher interest rates and resulting increased electric rates for member-owners.

The OMB: The major reason that these systems (REA borrowers) have not converted to using the private sector as a major capital source is the highly favorable term structure offered by REA.


The FACT: All Illinois electric distribution cooperatives, and most rural electric systems nationwide, have converted a significant portion of their borrowing to a non-REA source. Most REA insured loans made since 1973 have involved concurrent loans to the electric cooperatives by the National Rural Utilities Cooperative Finance Corporation (CFC). The normal ratio calls for REA to provide 70 percent of the borrowers' loan funds with CFC providing the other 30 percent. In fiscal year 1980 REA authorized \$21.6-million in insured loans to Illinois electric distribution coop-

(continued on page 15)

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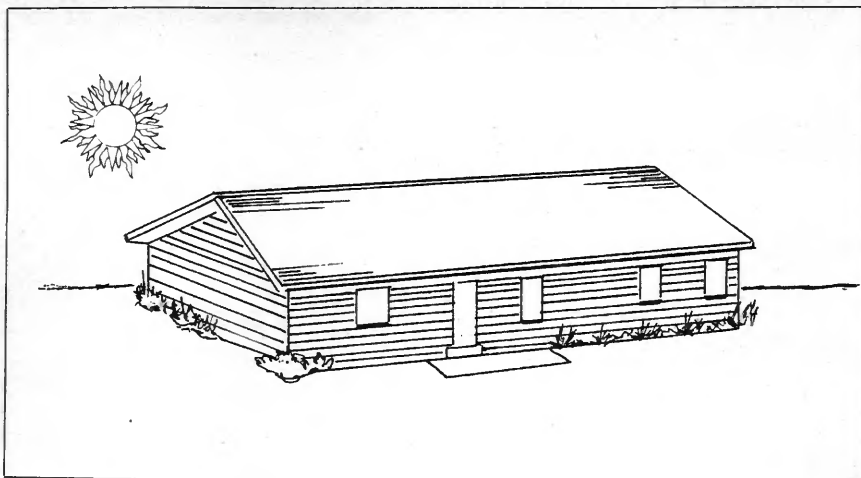
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**energy
efficiency**



Building a new home? Take advantage of the sun and both winter and summer

Persons planning to build a new home can build in energy savings in a number of ways, including orientation of the structure in order to take advantage of the sun in both winter and summer.

Test and studies by builders, utilities, government agencies and colleges and universities have demonstrated that how you place your home will have a marked impact on the maximum heat gain from the sun in the winter and the minimum heat gain in the summer.

House orientation related to potential energy savings is primarily concerned with the mid-summer or mid-winter path of the sun across the house. It will also help you take advantage of or counter prevailing winds. Heat gain from solar radiation can enter the house by conduction through the walls and roof and/or by radiation through the windows. A high level of solar radiation can be converted into heat when it strikes absorbant material in the household through the windows. Therefore, in those areas where summer cooling is a problem the building should be oriented to keep the sun off the largest window area for the maximum of the summer season. For winter heating, certain areas of the house should be oriented to keep the sun on the largest window area for the maximum part of the winter season.

During the summer, the sun rises north of east and sets north of west

and at noon is at a high altitude. By contrast, in the winter the sun rises south of east and sets south of west and is at a relatively low altitude at noon. Therefore, a house oriented with its long axis running east and west will position the smallest wall area towards the rising and setting sun. In the winter, the sun altitude is much lower so the sun's rays pass under the roof overhang and through the windows to deliver radiant heat to the house. Ideal house orientation is where the long axis of the house runs due east and west and the wall having the maximum window area faces due south.

Building design factors which optimize energy efficiency are: (1) reduce summer wall exposure to the sun by minimizing the east or west wall area, (2) minimize the number of windows on the east and west walls and provide shading for the morning and/or afternoon summer sun, (3) roof overhand on the south wall should be

sufficient to shade the south-wall windows during the summer but not shade them to prevent winter-time radiation from entering, (4) windows should be eliminated from the north wall and only considered for light or cross ventilation for summer cooling, and (5) the roof should be slanted on the south side for proper placement of solar collecting equipment.

Of course, the location of a house cannot always be arranged to achieve optimum orientation as related to sun exposure and/or wind direction. Fortunately, existing homes that have a less than ideal house orientation can even achieve energy savings by carefully using landscaping methods or techniques. Maximum use of landscaping designs can produce energy saving on your heating and cooling load as much as 25 to 30 percent over an unshaded house. Next month we will discuss how landscaping your existing home may help you save energy.

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Make laundrying more efficient

In most homes, today, laundering clothing and other household fabrics is accomplished through the use of an automatic washer and dryer. The best way to conserve energy — and your money — is through the correct use of both appliances and proper laundry procedures.

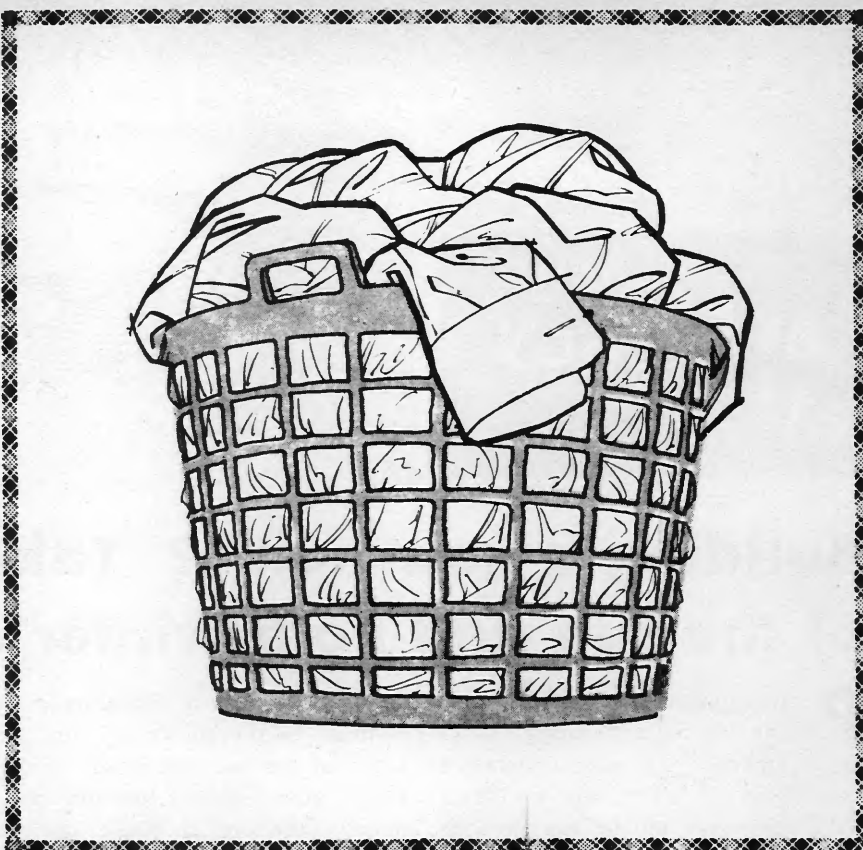
Let's start considering the use of the automatic washer. The way the washer is used can make significant differences in the amount of energy used in the laundering process.

The largest consumption of energy in home laundering is in the heating of water. So, if we could wash all our clothes in cold water we'd save a lot of energy. However, we probably wouldn't be all that happy with the results.

For example, when water temperature is below 60°F. — as it is in Illinois in the winter — there is hardly any cleaning, regardless of whether detergent has been added. The colder the water, the slower powders dissolve. This reduces their ability to clean. Therefore, when using lower water temperatures, a liquid detergent or a pre-dissolved powder detergent is recommended.

Although the best cleaning can be achieved in hot water, many washloads require warm or cool water because of color preservation, fiber content or fiber finish. By applying special pre-wash products or pretreating with detergent heavily soiled areas of garments, it is possible to use warm water and be pleased with the results.

CAUTION: The warm water setting on washers automatically determines the cold and hot water. The temperature of water delivered to



the washer on the WARM setting will vary widely from summer to winter. You may have to manually make adjustments by adding "cold" water to the tub in summer and "hot" water to the tub in winter to have the recommended 90 to 100-degree water.

Rinsing is a dilution process. In other words, this is what happens when you rinse your laundry. You are diluting the detergent which remains in the wash load after the spin. A cold water rinse is just as effective as a warm one.

Most automatic washers have a water level control. When used properly, this control can conserve both water and energy. When you sort your clothes, select the water level to correspond to the size and type of load you are washing. Also, select the wash time to match the levels of soil, fabric and load size.

Although the dryer uses more energy than the washer, most people would prefer to use it rather than "solar drying" with a clothes line. And there are a number of ways to conserve energy with a dryer.

The vent or exhaust ductwork should be checked on a regular basis to make certain it is clean. Obstructions within or outside the house will slow

down the rate of airflow and lengthen the drying time.

Keep the lint filter clean. A buildup of lint on the filter will also restrict the airflow and lengthen drying time. Check the filter before drying each load and clean it if necessary.

Sort dryer loads by fabric and finish. Similar fabrics dry in approximately the same amount of time. Pile fabrics, regardless of the fiber, take longer to dry. You will have more satisfactory results in both time and dryness if you sort before you load your dryer. You do not necessarily need to dry together the clothes you wash together.

Fill your dryer with the type of load which is compatible with the fabric and fiber you are drying. For example, the load should be smaller with permanent-press items to allow room for fluffing and de-wrinkling.

Use your automatic shutoff cycle whenever possible for all dryer loads. Then you won't have to guess the length of dryer time needed and you will avoid overdrying.

Finally, if clothes are to be ironed, remove them from the dryer before they are completely dry. They'll be dampened more uniformly and thus be easier to iron, too.

Slashing the REA loan program
would not reduce the federal budget

It would spur inflation in rural America

White House economic planners are moving to cut a program that's vital to a strong rural economy and essential to meeting the nation's energy needs. The plan is being sold in the name of cutting the federal budget.

The truth is that the proposed changes in the Rural Electrification Administration loan program would not reduce the federal budget or curb inflation—the stated goals of the White House.

They would raise electric rates to millions of farmers and other rural residents.

The proposals for REA are inflationary and should be dropped.

Their Facts Are Wrong

In announcing the proposals on February 18, the White House said, "Customers of REA financed utilities receive power and telephone services at rates that average 8-12% below customers of non-REA financed utilities."

Exactly the opposite is true. Government reports as of January 1, 1980 show that electric co-op rates nationwide average 12% more than those of other electric utilities.

Serving rural America isn't easy or cheap. It never has been. Rural electric systems average only 4.6 consumers and \$2,887 in revenue per mile of line, compared with 35.8 consumers and \$36,652 per mile for electric companies.

The Purpose of REA

Consumers, rural or urban, want reliable electric service at reasonable costs. Rural people didn't have that years ago. It simply wasn't profitable for power companies to serve all of rural America. It isn't profitable today.

That's why REA was created. That's why REA is needed today.

With the help of REA loans, people in communities across the countryside formed non-profit, consumer-owned electric utilities—mostly cooperatives, which today are serving more than 25 million people in 46 states.

It Doesn't Make Sense

A change in the REA loan program in 1973 completely removed it as a budget item. Since then, all capital funds advanced by REA have consisted of insured or guaranteed loans from sources completely outside the federal budget. The loan repayment record is second to none.

The administration's economic package would eliminate or drastically revise this system. It would force rural electric cooperatives to pay higher interest rates and raise electric bills. It would spur inflation and it would not increase employment or productivity.



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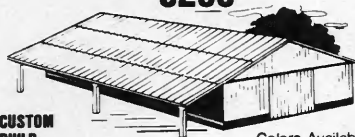
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OMB and FACTS

(continued from page 10)

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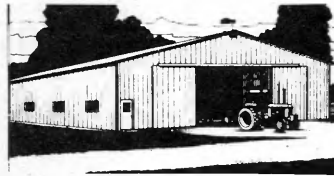
The MAJOR reason REA borrowers have not converted to using more private sector funds than already provided through CFC and FFB is that neither the REA Administrator appointed by the President nor the Congress have felt it in the national interest to burden rural electric ratepayers with even greater interest costs. The Congress and every Administration since President Franklin Roosevelt have recognized that it was in the national interest to provide electric service in less-densely populated areas of the country at rates as near as possible to those charged by municipal and investor-owned utilities

in the cities. Our elected officials have recognized that the rural electrification program is not an end, in and of itself, but is a means to improve the quality of life in non-urban areas. So long as nearly every measure of economic progress — per capita income, housing, infant mortality,

etc. — continues to show non-urban areas at a disadvantage to urbanized areas, REA will be needed to continue the job of improving the quality of life and economic opportunity in rural America in relation to that of urban areas. More than 25-million Americans depend on it.

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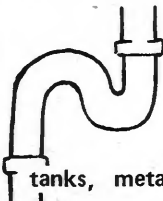
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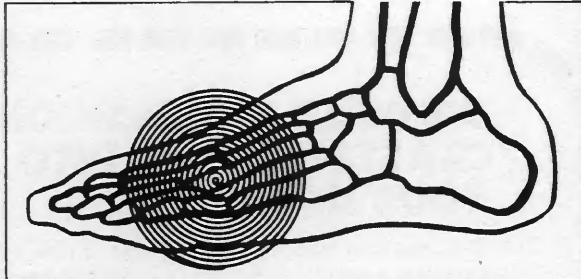
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My Feet Were Killing Me...Until I Discovered the Miracle in Germany!

It was the European trip I had always dreamed about. I had the time and money to go where I wanted—see what I wanted. But I soon learned that money and time don't mean much when your feet hurt too much to walk. After a few days of sightseeing my feet were killing me.



Oh, I tried to keep going. In Paris I limped through Notre Dame and along the Champs-Élysées. And I went up in the Eiffel Tower although I can't honestly say I remember the view. My feet were so tired and sore my whole body ached. While everybody else was having a great time, I was in my hotel room. I didn't even feel like sitting in a sidewalk cafe.

The whole trip was like that until I got to Hamburg, Germany. There, by accident, I happened to hear about an exciting breakthrough for anyone who suffers from sore, aching feet and legs.

This wonderful invention was a custom-made foot support called Flexible Featherspring. When I got a pair and slipped them into my shoes my pain disappeared almost instantly. The flexible shock absorbing support they gave my feet was like cradling them on a cushion of air. I could walk, stand even run. The relief was truly a miracle.

And just one pair was all I needed. I learned that women also can wear them—even with sandals and open backed shoes. They're completely invisible.

Imagine how dumbfounded I was to discover that these miraculous devices were sold only in Europe. Right then I determined that I would share the miracle I discovered in Germany with my own countrymen.

Over a quarter million Americans including those who have retired—many with foot problems far more severe than mine—have experienced this blessed relief for themselves.

Here's why Feathersprings work for them and why they can work for you. These supports are like nothing you've ever seen before. They are custom formed and made for your feet alone! Unlike conventional devices, they actually imitate the youthful elastic support that Nature originally intended your feet to have.

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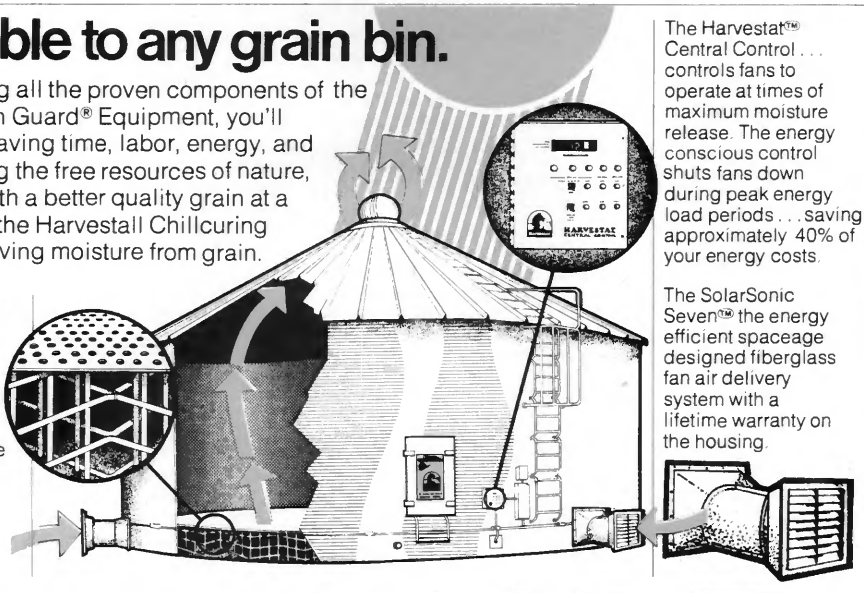
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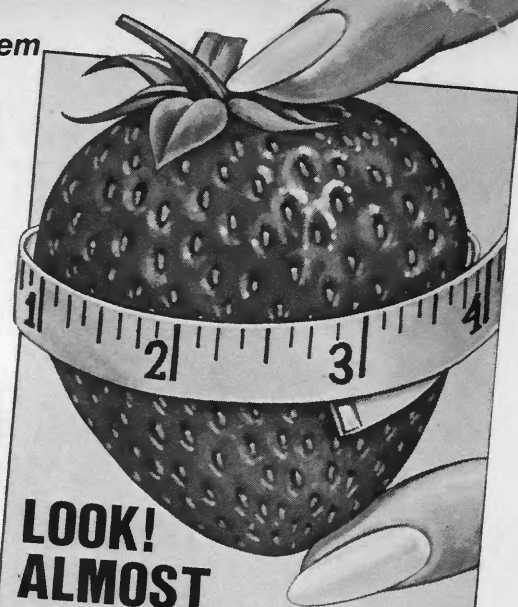
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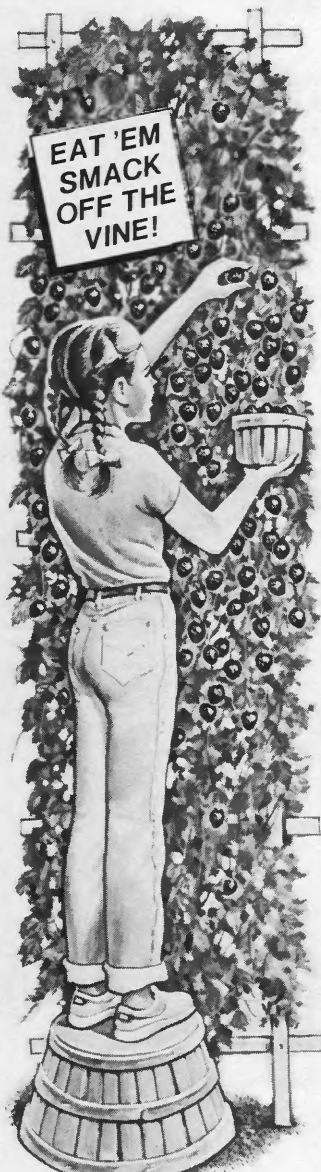
Just Plant 'Em—Stake 'Em—Tie 'Em—Pick 'Em! See Them Rocket Forth In A Cluster-Packed Pillar of Fruit

NOW! GIANT MAN-HIGH STRAWBERRIES!

SO BIG AND JUICY—JUST A SINGLE SLICED-UP BERRY TOPS AN ENTIRE BOWL OF CEREAL!



LOOK! ALMOST 3-INCHES AROUND!
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 Just one berry makes a spoonful!

SO HUGE & MEATY—
 Just a single sliced up berry makes a whole strawberry tart . . . and 5 or 6 make a whole strawberry shortcake!

SO FAST-GROWING—

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AND THEY MULTIPLY—SO YOU GET UP TO TWICE AS MANY EACH AND EVERY YEAR!

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Lunch or Brunch



TURKEY A'la KING

- 1 cup sliced mushrooms or 1 can of mushroom soup
- 1/2 cup chopped green pepper
- 2 tablespoons chopped onion
- 1/4 cup butter (1/2 stick)
- 1 egg (beaten)
- 2 tablespoons chopped pimiento
- 3 tablespoons flour
- 2 cups milk
- Salt to taste
- Pepper to taste
- 2 1/2 cups diced cooked turkey
- 1 cup green peas

Brown mushrooms, peppers and onions in butter. Add flour, blend; add milk and seasonings. Cook until thick, stirring constantly. Stir some of the hot mixture into beaten egg, add remaining hot mixture. Cook for 10 more minutes. Add turkey, pimientos, and peas. Serve on biscuits or toast, or chow mein noodles. Serves 6.

SALMON LOAF

- 1 lb. can red salmon
- 1/2 cup bread crumbs
- 1/8 teaspoon pepper
- 1/2 teaspoon salt
- 2 egg yolks
- 1 tablespoon lemon juice
- 1/2 cup milk
- 2 egg whites
- 2 tablespoons melted butter

Remove skin and bones from salmon. Add all ingredients except egg whites. Fold in stiffly beaten egg whites and bake in buttered mold in moderate oven for 1 hour.

CHICKEN AND SPAGHETTI

- 1 large chicken (cooked tender and cut into small pieces)
- 1 pkg. spaghetti (7 in. long broken into pieces)
- 1 pt. chicken broth
- 1 cup mushrooms (drained and chopped)
- 1 can cream of mushroom soup
- 1 No. 2 can tomatoes (use juice and pulp)
- 1 4-oz. can pimiento (drained and chopped fine)
- 1 small green pepper (chopped fine)
- 2 1/2 teaspoons salt
- 3/4 cup onion
- 1 small clove garlic (chopped fine) or 2 cloves
- 1 teaspoon pepper

Boil chicken until tender and remove meat from bones. Cook all ingredients together except chicken and spaghetti. Place these ingredients into a large sauce pan and bring to a boil for a few minutes. Add chicken and cooked spaghetti. Pour into a large casserole dish, cover and store in the refrigerator over night. Before baking, sprinkle top with 1/2 lb. grated cheese. Bake in slow oven for 1 hour. (Do not add any more liquid than called for as this will not be as thick as it appears.) This is also nice served in pastry shells.

BROCCOLI CHEESE CASSEROLE

- 1 pkg. frozen chopped broccoli
- 1/2 cup chopped celery
- 1/2 cup chopped onion
- 2 tablespoons cooking oil
- 1 can cream of chicken soup
- 1/2 jar (small) Cheese Whiz
- 2 cups cooked rice

Cook first 4 ingredients in skillet for about 10 minutes. Add remaining ingredients and pour in casserole. Bake at 350 degrees for 10-15 minutes.

DREAM SALAD

- 1 pkg. lime gelatin (3 oz.)
- 1/4 cup sugar
- 12 small marshmallows
- 1 cup crushed pineapple (drained and keep juice)
- 1 pint small curd cottage cheese
- 1/2 cup chopped nuts
- 1 envelope dream whip

Add enough water to the drained pineapple juice to make one cup juice. Combine juice, gelatin and sugar and bring to a boil. Turn off heat. Add marshmallows, stirring until melted. Cool; add pineapple, nuts and cottage cheese. Fold in whipped dream whip. Pour into mold and chill until firm.

OVERNIGHT SAUSAGE SOUFFLE

- 1 lb. link sausages
- 6 slices bread, cubed
- 1 1/2 cups shredded cheddar cheese
- 1 1/2 cups milk
- 4 eggs
- 1/4 teaspoon salt

The day before this is to be served, fry the sausage links, drain and cut in bite size pieces. Alternate layers of bread cubes, links and cheese in a buttered 2 1/2 quart casserole. Mix the milk, eggs and salt together. Pour over the bread, sausage and cheese in the casserole. Cover and refrigerate overnight. Bake at 325 degrees for 35 minutes — serve hot. Yield: 4 to 6 servings.

SAUSAGE & CHEESE SANDWICH

- 1 loaf bread
- 1 lb. sausage
- 1 lb. Velveeta cheese
- 1 tablespoon oregano
- 1 teaspoon garlic salt
- 1 teaspoon Worcestershire
- 2 shakes catsup

Brown meat—mix with cheese until cheese melts. Mix in other ingredients. Spread on bread. Top with another slice. Freeze. Toast on both sides when ready to serve.

FRUIT SALAD

- 1/4 cup vinegar or lemon juice
- 1/4 cup sugar
- 2 eggs (well beaten)
- 2 tablespoons butter
- 1/2 cup cream
- 2 cups diced pineapple (drained)
- 2 cups small marshmallows
- 2 oranges, diced
- 2 cups fruit cocktail (drained)
- 2 cups white seedless cherries

In double boiler, cook first 4 ingredients until thick. Whip 1/2 cup cream and add to mixture. Mix fruit well and combine 6 to 8 hours before time to serve.

GOLDEN DELIGHT SALAD

- 2 pkgs. lemon gelatin
- 1 can pineapple chunks (medium)
- 4 bananas
- 1/2 pkg. miniature marshmallows
- 1 cup of chopped pecans

TOPPING:

- 1/2 cup sugar
- 2 tablespoons flour
- 1/8 teaspoon salt
- 1 egg, well beaten
- 1 cup pineapple juice, if necessary add water to make 1 cup liquid
- 1 carton whipping cream

Make gelatin according to package directions. Drain pineapple and save juice. Chill gelatin until partially set. Mix in pineapple, bananas, marshmallows and nuts. Let set until firm. For topping mix sugar, flour, salt and juice. Add egg and cook over low heat stirring constantly. Cook until thick. Chill until partially firm and fold in whipped cream and put on firm layer of gelatin. Sprinkle with grated cheese.

EASY CINNAMON MONKEY BREAD

- 3 cans biscuits (cut in quarters)
- 1/2 cup sugar
- 1 teaspoon cinnamon
- 1/2 cup nuts
- SAUCE:
- 1 1/2 sticks margarine (melted)
- 3/4 cup sugar
- 1 teaspoon cinnamon

Shake biscuit pieces in bag with 1/2 cup sugar and 1 teaspoon cinnamon. Place half of biscuit quarters in bundt pan. For sauce, mix margarine, sugar and cinnamon together. Pour half of this sauce over biscuits in pan. Sprinkle with half nuts. Repeat with remaining biscuits, sauce and sprinkle again with remaining nuts. Bake at 350 degrees for 45 to 50 minutes.

FLUFFY GRAPE FROSTING

- 1 egg white
- 3/4 cup sugar
- Dash of salt
- 2 tablespoons grape juice
- 1 tablespoon water
- 1 teaspoon lemon juice

Combine ingredients. Beat with electric mixer or rotary beater until thoroughly mixed—about 1 minute. Place over low heat and beat constantly at high speed of electric mixer (or with rotary beater) until frosting stands in stiff peaks—about 4 minutes, stirring frosting up from bottom and sides of pan occasionally with rubber scraper, spatula, or spoon. Remove from heat. For a very smooth and satiny frosting, pour at once into a large bowl for final beating. Beat until thick enough to spread—about 1 minute. Makes about 2 1/4 cups.

PINA COLODA CAKE

- 1 box white cake mix (regular)
- 1/4 cup oil
- 3 eggs
- 1 carton sour cream (8 oz.)
- 8 1/2 oz. Pina Coloda or cream of coconut
- ICING:
- 8 oz. cream cheese
- 1 box powdered sugar
- 2 tablespoons milk
- 1 teaspoon vanilla
- 1 can angel flake coconut

Mix first five ingredients and blend until moistened. Then beat according to directions on box. Bake in oblong pan at 350 degrees for 35 minutes. Cool cake. For icing, mix cream cheese, powdered sugar, vanilla and milk. Spread over cake in pan. Sprinkle coconut over this. Keep in refrigerator if desired.

ORANGE REFRIGERATOR COOKIES

- 2 3/4 cups sifted flour
- 1/2 teaspoon salt
- 1/4 teaspoon soda
- 1/4 teaspoon baking powder
- 1/2 cup shortening (soft)
- 1/2 cup butter (soft)
- 1/2 cup brown sugar, firmly packed
- 1/2 cup granulated sugar
- 1 egg, unbeaten
- 2 tablespoons orange juice
- 1 tablespoon grated orange rind
- 1/2 teaspoon lemon extract
- 1 cup pecan meats, finely chopped

Sift together first 4 ingredients and set aside. In a large mixing bowl, mix together next 5 ingredients and beat with electric mixer for about 1 minute, scraping bowl while beating. Add remaining ingredients, along with sifted flour mixture, and beat again until all is blended well. Shape into rolls and wrap in waxed paper. Chill several hours. Slice thin and put on greased cookie sheet. Bake at 350 degrees for 12 minutes. (Makes 5 dozen cookies)

Moore and Goode among six IFEC directors elected

The newly elected board of the Illinois Farm Electrification Council (IFEC) includes two representatives of Illinois electric cooperatives. During the annual meeting of the IFEC in February, Roy D. Goode of Virden, manager of Rural Electric Convenience Cooperative, Auburn, and Thomas H. Moore, general manager of the Association of Illinois Electric Cooperatives (AIEC), were elected to the six-person board.

Goode is one of two first-term directors. Also elected for the first time was Paul Benson of the University of Illinois Agricultural Engineering Department, who serves as executive secretary of the IFEC. Benson replaces E. F. "Woody" Olver as executive secretary. Olver is on assignment with the United States Department of Agriculture in Washington, D. C. Goode replaces long-time IFEC leader Dean L. Searls, who retired March 1 as manager of

Adams Electrical Co-Operative, Camp Point.

Other directors of the IFEC include: Dr. Roger Yoerger, head, Department of Agriculture Engineering, U of I; Clayton Mees, director of residential and commercial energy programs, Illinois Power Company, and J. A. Pape, district marketing supervisor, Commonwealth Edison Company. Moore was elected chairman of the board, Mees president and Yoerger vice president.

Yoerger told the group of progress the Agricultural Engineering Department had made toward construction of a new Agricultural Engineering Sciences building. "The building is in the bidding stage, and we hope to break ground sometime in the spring," he said.

Others spoke on progress made in various fields: C. L. Rahn, research assistant, U of I spoke on results of the use of solar energy in confinement buildings and Paul Walker told of results obtained by heating greenhouses with waste heat from power plants. Professor Gene C. Shove discussed crop-drying practices, and assistant professor Marvin Paulsen told of research in grain moisture management.

Hoyle B. Puckett outlined efforts to take the drudgery out of dairying by automating milking parlors and professor Errol D. Rodda talked on alcohol conversion.

Frank W. Andrew, retired professor, told of his "Personal Struggle for Liquid Fuel Independence," a long-term project to distill his own alcohol fuel using

simple facilities and inexpensive components.

"But it's discouraging to hear people talk about running this great country on ethanol or methanol," he said. "If you converted every kernel of corn you can find into alcohol fuel, you still wouldn't have enough to run the country for any more than 30 days. Still, it can help. And we can help without starving the world," Andrew emphasized. "We're taking away the starch and leaving the protein, and that's certainly not starving the world. As for the economics of my own setup, I don't know if it makes sense or not. I'm so tickled just that it works, and that I can make my own fuel, that I just haven't looked into it. When I get a little further along in the production, then I'll put a pencil to the costs. Part of my concern is just availability," he added.

The IFEC, organized in 1952, brings together representatives of electric cooperatives, power companies, industry, agriculture, U of I College of Agriculture and the Cooperative Extension Service to provide for idea exchange and development of coordinated education programs and research activities. Four IFEC committees work on programs and activities in the areas of 4-H electric, environmental control, materials handling and vocational agriculture. In addition, regional units of the IFEC maintain a high level of activity to make the IFEC information and programs available to farmers and rural dwellers across the state.



Idea exchanges are an important part of any IFEC meeting, and three cooperative employees are pictured at left in a discussion. They are, from left: D. Royce Carter, power use adviser for Wayne-White Counties Electric Cooperative of Fairfield; Andy Bird, member service director for Tri-County Electric Cooperative of Mt. Vernon; and Randall L. Beasley, director of member services for Coles-Moultrie Electric Cooperative of Mattoon.



Good turnout for Farm Materials Handling Show

The 22nd annual Farm Materials Handling Show in Nashville (Washington County) has come and gone, and it was very successful, notes Willard Wiggers, general show chairman and director of member services for Monroe County Electric Co-Operative.

"The weather cooperated nicely," Wiggers says, adding, "It was cold and wet enough to keep the farmers out of the fields, but not so bad that they'd stay away. Our attendance was good this year. I'd estimate that 6,000-7,000 people came out."

Exhibits this year were more in the traditional mold than those of the last couple of years in that wood stove, solar and portable generator exhibits were less in evidence, and agricultural equipment received greater play.

"Most exhibitors were really happy with the show," Wiggers says, "and their comments were very favorable. Some said they like it better than

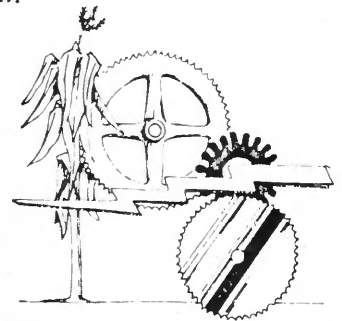
some of the larger shows. We've had comments that the people who come here are spenders rather than lookers, and that people who come here know what they're looking for.

"In some of the larger shows," he continues, "many of the people who turn out are families out for a day of sightseeing. The people who come here — most of them anyway — are working farmers."

There are some 60 exhibits, up from 55 last year, and equipment dealers rented some 96 inside spaces and 12 outside locations to display their wares.

Sponsors of the show include the Illinois Farm Electrification Council, Cooperative Extension Service, University of Illinois, Southern Illinois University-Carbondale College of Agriculture and the electric suppliers in the region, Illinois Power Company and nine electric cooperatives: Clay Electric Cooperative Association,

In the photo above, two exhibitors discuss the days' activities at the 22nd annual Farm Materials Handling Show.



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.

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“End of Season” Sale Lets You Dress Up Troublesome Bare Spots Where Nothing Else Will Grow — Send Today!

Last Call...BIG SAVINGS, FAST SERVICE ON BLOOMING GROUND COVERS!

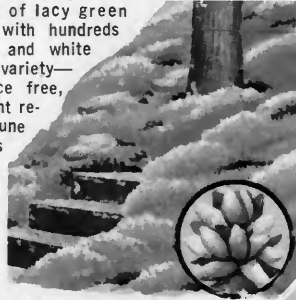
Priced Low To Sell Every Plant Before May 31 — Order By Mail!

No garden or landscape is complete without the carefree beauty and lasting color that only flowering ground covers provide. Only ground covers so easily dress up pesky trouble areas . . . under shady trees, steep slopes or banks, rock gardens, borders, edging along walkways or driveways, any “eyesore” area where nothing else will grow. Every ground cover offered in this “end of season” sale is hardy, requires little or no maintenance, helps stop erosion and conserve moisture in the soil, grows and spreads year after year without replanting. Order today! Replace weeds, crabgrass and nuisance areas with attractive flowering ground cover! Every selection is guaranteed.

All-In-One Carefree Ground Cover Chokes Out Stubborn Weeds!

CROWNVETCH — 6 for \$1.99

Quickly transforms steep slopes, banks, troublesome weedy areas into a thick mat of lacy green foliage drenched with hundreds of delicate pink and white blooms. Coronilla variety—hardy, maintenance free, disease and drought resistant. Blooms June til frost. Spreads year after year without replanting. Prospers even in problem areas where nothing else has a chance!



CREeping SEDUM

(Dragon's Blood)

4 for only \$1.50

Rugged and carefree, spreads rapidly in sun or shade. The lush, semi-evergreen foliage erupts in masses of fiery-red blooms, mid-summer to September. Hardy, Michigan nursery grown. Plant 6-12" apart for fast spreading in rock gardens, shady areas, or “trouble spots” where grass won't grow.

FAMOUS “NO FAULT” GUARANTEE . . . Send Today!

Send today for these amazing money-saving offers for spring planting. Each item we ship is guaranteed to be exactly as advertised . . . vigorous and healthy, tagged for easy identification, well packed for prompt arrival in good condition. If not satisfied on arrival, you may return within 15 days for full refund, including any postage you sent. Any plant that doesn't flourish and thrive, we will replace it free (3 year limit). Complete Spring Planting Guide included with every order. Clip the coupon and mail today!



An Ocean of Living Color!
CUSHION MUMS

10 for only \$1.98

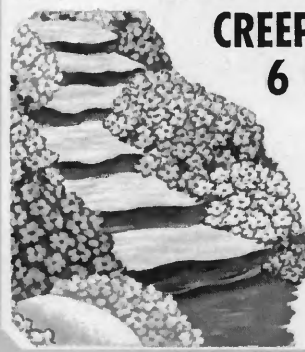
Giant balls of flaming color to set your landscape ablaze! These hardy Michigan nursery grown root division perennials come to you in an assortment of vivid, gorgeous colors . . . reds, yellows, pinks, purples, bronze, etc., as available. Normally develop to bushel basket size, each plant drenched with masses of 1-2 inch blooms! Guaranteed to bloom.



CREeping MYRTLE
20 for \$1.98

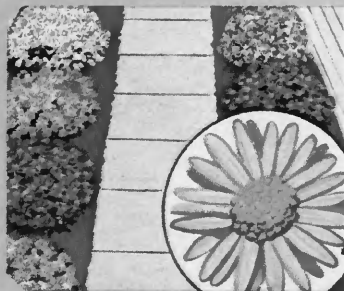
You've often admired the pretty blue periwinkle flowers that seem to float on a dense carpet of shiny evergreen foliage! Creeping Myrtle (Vinca minor), thrives even in dense shade where grass or flowers won't grow. Blooms each spring with masses of cheery blue blossoms. You get matured plant divisions, 20 plants cover 40 square feet.

Ground-Hugging Foliage, Mixed Colors!



CREeping PHLOX
6 for \$1.50

Michigan nursery grown perennial (Phlox subulata), covers the ground with a spreading rug of evergreen foliage. Flowers freely each spring with masses of gay, colorful blooms. Transforms drab areas or rock gardens into a rolling sea of color that enhances your entire landscape.



MOUND ASTERS
10 for only \$1.98

Every fall, just when other flowers fade and die. Mound Aster bursts into colorful bloom for weeks on end. These hardy Michigan nursery grown perennials are breathtaking when planted in borders or rows on walks or driveways. Red, white, pink, purple, mixed colors as available. Send today!

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

MAIL MONEY-SAVING ORDER BLANK

MICHIGAN BULB CO., Dept. OM-144
1950 Waldorf, Grand Rapids, Mich. 49550

Please send order as indicated, include all FREE bonus items order earns. All items are covered by your NO FAULT GUARANTEE.

PRINT NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

HOW MANY	CAT. NO.	ITEM	COST
	208	Crownvetch (6 for \$1.99 - 12 for \$3.85)	
	205	Creeping Sedum (4 for \$1.50 - 8 for \$2.95)	
	200	Cushion Mums (10 for \$1.98 - 20 for \$3.85)	
	213	Creeping Myrtle (20 for \$1.98 - 40 for \$3.85)	
	204	Creeping Phlox (6 for \$1.50 - 12 for \$2.95)	
	203	Mound Asters (10 for \$1.98 - 20 for \$3.85)	
1	FREE	Giant Hibiscus if order mailed by May 31	0 0 0
6	FREE	Peacock Orchids if order totals \$5.00	0 0 0
6	FREE	Anemones (plus 6 Peacock Orchids) if order totals \$8.00	0 0 0
12	FREE	Oxalis (plus 6 Anemones and 6 Peacock Orchids) if order totals \$12.00	0 0 0

Remittance enclosed, plus 90¢ towards postage and handling. Ship postpaid. **TOTAL \$** _____

Bill on my credit card, plus 90¢ postage and handling. Ship postpaid. (Check one). **GRAND TOTAL \$** _____

Master Charge Visa Amer. Express
Credit Card # _____

Exp. Date _____