

of Agriculture

STATE OF ILLINOIS
DEPARTMENT OF AGRICULTURE

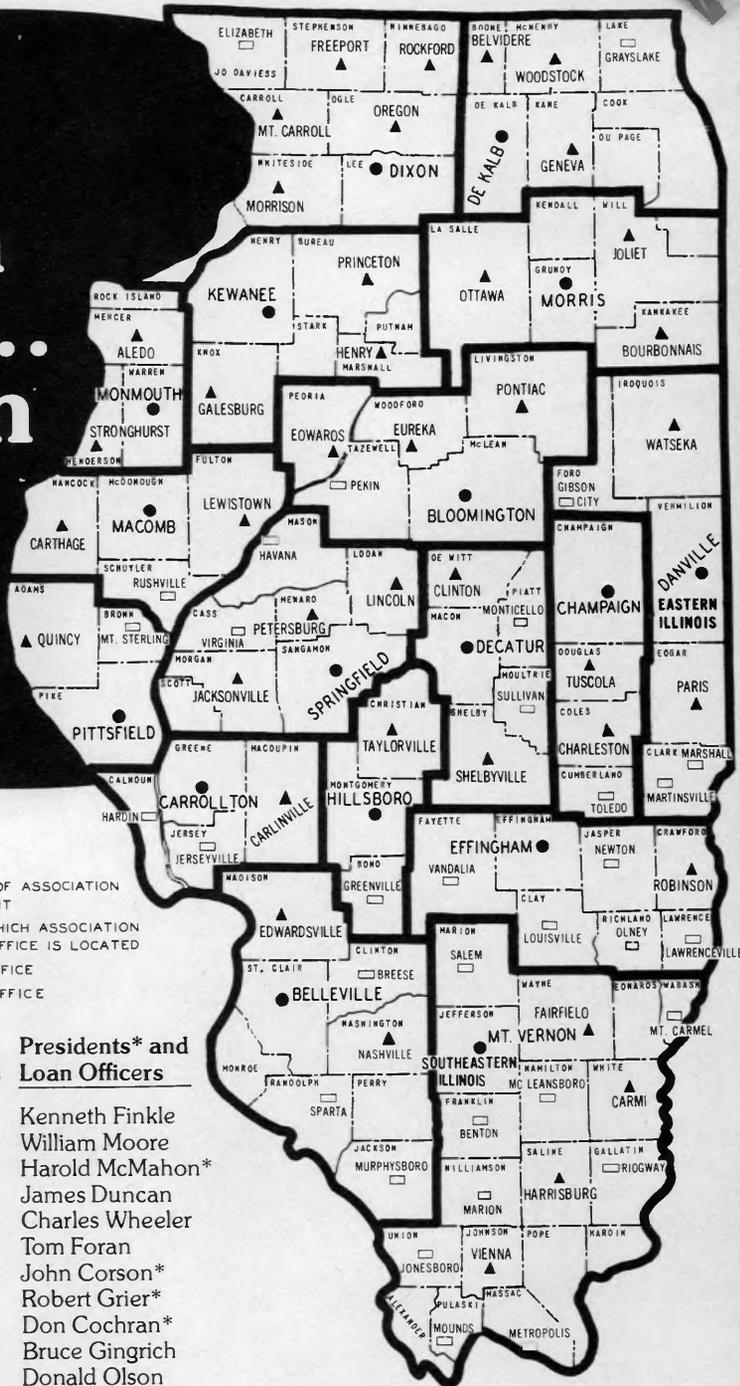


ren

February 1981

Illinois Rural Electric News

Long-term financing... closer than you think.



Federal Land Bank Associations in Illinois

Central* and Branch Offices Presidents* and Loan Officers

Aledo Belleville*	Robert Young Kent Saxe* Cletus Rau Ross Abert
Belvidere Bloomington*	Terry Keegan John Spangler* Charles Knudson James Barkhurst
Bourbonnais Carlinville Carmi Carrollton* Carthage Champaign*	Steve Endress Steven Schweizer Roger Paulsen Chris Mueller* Stephen Carson Daniel Seastrand* Arthur Schlappi Don Hubner
Charleston Clinton Danville*	Chris Phelps Joseph Knapp* Bill Rogers A.L. Wilson*
Decatur*	Bill Blickhan John Webb* Harold Jepson* Richard Brantner Tom Yucus
DeKalb* Dixon*	Terry Hinds Steve Clausen William Brown* David Price Narlyn Nelson Rodney Cook Larry Main Charles McKie Kenneth Holmes Randall Kirsch
Edwards Edwardsville Effingham*	Keith Braucht* Susan Backs

- BOUNDARY OF ASSOCIATION SERVICE UNIT
- TOWN IN WHICH ASSOCIATION CENTRAL OFFICE IS LOCATED
- ▲ BRANCH OFFICE
- OUTLYING OFFICE

Central* and Branch Offices Presidents* and Loan Officers

Jacksonville Joliet Kewanee*	Kenneth Finkle William Moore Harold McMahan* James Duncan Charles Wheeler Tom Foran John Corson* Robert Grier* Don Cochran* Bruce Gingrich Donald Olson John Peterson Kenneth Willoughby* Joel Harres Tom Rapp Morris Kessinger
Lewistown Lincoln Macomb* Monmouth* Morrison* Mt. Carroll Mt. Vernon*	Alan Karcher Ron Bailey Walter Lamb* David Fowler Joe Vogel Douglas Jorstad Eugene Pickard Jay Larson Joseph Hogan William Hahn* John Hartman Scott Clauson Mark Weber Duane Blackert
Nashville Oregon Ottawa Paris Petersburg Pittsfield* Pontiac Princeton Quincy Robinson Rockford Shelbyville Springfield*	
Stronghurst Taylorville Tuscola	

Central* and Branch Offices Presidents* and Loan Officers

Vienna Wateska Woodstock	William Hall Wayne Smith David Healy Peter Petges
--------------------------------	--

The Land Bank



First with farmers for long-term loans.

Cogeneration and reliability

The January issue of the *Illinois Rural Electric News* contained a lengthy article dealing with the complexities of the federal Public Utility Regulatory Policies Act (PURPA), and more specifically its provisions relating to small power production and cogeneration.

The intent of PURPA is not to make electricity less expensive immediately, but to defer the need for, or reduce the size of, additional generating plants and to reduce dependence on depletable fuels used to generate electricity, such as natural gas and expensive foreign-controlled oil.

Ironically, an independent consulting engineering firm retained by the Illinois Commerce Commission recently found that cogeneration may actually increase dependence on oil, because only large steam turbines can burn coal economically and the capital investment required for boilers, fuel handling facilities and pollution control equipment is extremely high.

The study also found that there is a significant increase in avoided costs with lowered nuclear power plant availability, due to the system becoming far more dependent upon oil. During 1979, nuclear power plants were operational an average of 65 percent of the time nationwide and 77 percent of the time for Commonwealth Edison Company of Chicago — quite high.

The firm also found there would be a marked decline in avoided costs for Commonwealth Edison Company in future years, reflecting a lower peak, enabling it to use baseload nuclear and coal to meet electrical demand. Therefore, completing construction of planned or partially constructed nuclear power plants may be the most economical, even with reduced demand for electricity due to energy conservation, the weather or other reasons. These

lower avoided costs in the future mean less benefit to the owner or operator of a small power production or cogeneration device.

Most of the central station electric generation service in Illinois continues to be more economical because it is generated by the use of coal or uranium. The embargo on oil in 1973 and 1974 by the Organization of Petroleum Exporting Countries (OPEC), the natural gas shortage in 1977, the coal strike in 1978, the harsh winters in 1978 and 1979 and the hot summer of 1980 during which 1,250 people died from lack of cooling, make an even stronger case for a mix of coal and uranium central station electric generating service to provide adequate, reliable sources of electrical power and energy in Illinois. The adequacy and reliability of small power production and cogeneration facilities is yet to be determined.

As one author has stated: "Ironically, the soft path (the use of small power production or cogenerating facilities) would most likely lead to a limited-choice society of centralized political control. The seldom discussed part of the path is what might happen if the capability to supply electricity begins to fall short of what people need. Without enough energy to go around, priorities will have to be set. Those priorities would not be set by individuals, but by big, centralized government.

"Energy allocation means controls on individual and corporate decisions. The real question is whether it is desirable to pursue decentralized energy supply as an absolute goal or to permit the diversity we have now in which anyone who wished can use decentralized alternatives. Without reliable, centralized electricity, the individual no longer has that choice."

February 1981 Volume 38, Number 10

Published by Association of Illinois Electric Cooperatives

In this issue

Larry F. Elledge Editor	Popping business	4 and 5
Gordon M. Olsen Managing Editor	Energy efficiency	6 and 7
Jack D. Halstead Associate Editor	Block confirmed	8 and 9
Sandra S. Johnson Advertising Coordinator	FMHS planned	16
	Recipes	18
	Award winner	20 and 21
	Trading Post	22
	Patterns	23

ren

Illinois Rural Electric News

(USPS number 258-420) is published monthly for \$2.00 per year and is the official publication of the Association of Illinois Electric Cooperatives, 6460 South Sixth Frontage Road, Springfield, Illinois 62707. Second class postage paid at Springfield, Illinois and at additional mailing offices.

POSTMASTER: Send address changes to Illinois Rural Electric News, P. O. Box 3787, Springfield, Illinois 62708.

Cover: The new U. S. Secretary of Agriculture is an Illinoisan, John Block, second from right. With Block just before he left Springfield for Washington are, from left, James H. Eddleman, Earl W. Struck and Thomas H. Moore, all of the Association of Illinois Electric Cooperatives.

Advertising and editorial inquiries should be directed to the Illinois Rural Electric News, P. O. Box 3787, Springfield, Illinois 62708. National advertising representative: Southwest Dailies, 400

N. Michigan Avenue, Chicago, Illinois. Acceptance of advertising by the IREN does not imply endorsement by the publisher or the electric cooperatives of Illinois of the product or service

advertised. Advertisers are screened by the publisher and every effort is made to protect the subscriber but the IREN is not responsible for the performance of the product or service advertised.



Unusual business 'pops up' out

Merle Litherland, a St. Francisville area farmer, is in an unusual business because of an unusual series of circumstances.

Late in World War II, the Norris Electric Cooperative member and several other soldiers were warming themselves around a fireplace in Germany when a tiny black ear of corn was knocked into the flames. It popped into tiny flavorful kernels. After trying it, Litherland decided it was the best popcorn he had ever eaten.

The next morning, when he left the house, he picked up the remaining three ears and sent them home to his parents. "When I got home," he says, "I found out that they hadn't popped the corn. We popped one of the ears, and thought the flavor was distinctive — a little like cashews.

"We were going to pop the other two ears, too, but we decided to plant the kernels and see if they'd grow." They did grow, but they did not

exactly thrive. What popped up from the ground was not exactly what the Litherlands had expected. The plants were tiny and frail, and each had one or two tiny ears at the top, where the tassels usually perch.

That first planting resulted in just three stalks capable of supporting the ears they produced. Litherland staked the plants to keep them from falling over and decided to try to cross the plants with other varieties to give a better yield and better stalk strength. While all this was going on, Litherland sent back to Germany for more seeds, but was unable to locate any.

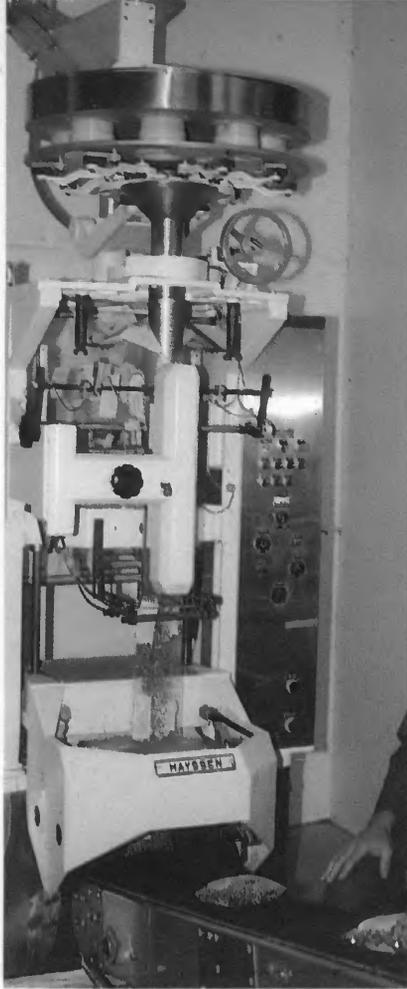
"There were usually two ears to a stalk," the farmer relates, "and if they got very big, the stalk would break. Part of the reason for the crossbreeding we did was to get a stronger stalk. We learned, though, that bigger ears weren't necessarily better ears. As the size goes up, the quality goes down. The smaller ear, with the smaller grain, tastes best. As

long as the corn is mature," he emphasizes.

While the Litherlands were learning how to grow black popcorn, they were giving away large amounts of the stuff, because they had more than they needed, but weren't completely satisfied with it.

"I thought people might pay for it if I asked them to, Litherland relates, "but it wasn't what I wanted. I didn't want to sell what wasn't right, so I'd give it away. Still, we were establishing a market for the final product when we came up with it."

Litherland, who was president of the Egyptian Fire Fighters Association with 98 departments and 3,000 members, gave away his popcorn at firemen's meetings. Later, when he talked with grocerymen to get them to stock his popcorn, he urged them to contact area firemen for their comments. "I must have given away a million dollars worth of the stuff before I realized what a good thing I



Clockwise from far left: Janie Stephens and Sue Litherland pack popcorn while Merle checks for badly-sealed bags. Merle at a grader. The bagging machine at work. Comparison with a hand shows tiny size of ears.

corn had improved to the point that it could stand on its own, and was yielding about 11 bushels per acre. While all the experimentation was taking place, Litherland was working on other things, too. He had come up with a name for his product, and had a professional artist design packaging material.

"We came up with the Black Jewell name because the popcorn was fine and tiny and black," Litherland says, "and we added the second 'L' to the word Jewel because we knew we'd run afoul of a large retail chain if we didn't."

From that point, the operation grew. Less than two years after going to 100 acres, the Litherlands planted an additional 220 and built their processing plant, which they painted in vertical red and white stripes.

As with any farming operation, the ag side of the business was continuing, too. It became necessary to keep a close eye out for insects, who seem to like the tender, sweet stalk, and fertilization became a problem. "We put on enough fertilizer to get 125-150 bushels of field corn an acre," Merle says, "and we've about doubled our yields since we started. We're up to about 22-25 bushels an acre, but we want to find out why we're not doing better. In fact, we've sent a sample of our popcorn off to a testing lab. They're going to analyze every little detail of it and find out what we need to do to improve our yield."

Still, the modern little plant processes and packages about half a million pounds of black popcorn every year. The popped product, incidentally, is white. It has no hull and no hard core. For that reason,

doctors often recommend it to patients who cannot eat regular popcorn because of digestive problems.

The Litherlands and their partners, Paul and Janie Stephens, pick their corn with a six-row combine with a corn head, and it is augered into a bin where it is dried and stored for further processing as needed. From storage, it goes to seed cleaners and polishers and is sorted for grade. "The first quality stuff is what we package and sell," Litherland notes, "and we give the seconds to any nonprofit organization that will buy our little paper popcorn bags and come out and pick it up. It's good public relations and advertising."

Mrs. Litherland adds, "A lot of the people will buy a lot more bags than they need just for popcorn. They're good to pack hot dogs in, too."

By far the largest quantity of Black Jewell popcorn goes out of the candy-striped building in two-pound plastic bags, which are packed 12 to a box. The packaging machine takes rolls of plastic, makes them into bags, fills the bags and seals them at the rate of 30 per minute. The Black Jewell operation, naturally, has a design on the bags, and the boxes they are packed in. Litherland notes that the plastic is sold by the pound, and that there are about 100 bags per pound.

The crew at Black Jewell are nearly always busy, he points out. "The planting season is a busy time," he says, "and we have to keep a close watch on the plants during the growing season, too. We hire a lot of high school kids during the summer for detasseling, and the harvest season is also a busy time. Actually, we pretty much work the year 'round. We just shut down for Thanksgiving, Christmas and New Years Day."

The future at Black Jewell looks bright. The company is selling all the popcorn it can produce and could sell more. "I've got an ad in the paper to rent or lease another 200 acres if I can find them," Litherland says, "and we could use more."

Not bad for an organization that popped into being because an ear of corn was accidentally dropped into a fire.

replace

had," he laughs, "but the grocery men were often surprised to learn that many people in the area had tried my popcorn."

"We'd been using five acres for our experiments and we thought that would keep us and our friends in popcorn forever," Litherland says, "but it soon got to where I'd harvest in the fall and be out of popcorn by early winter. I decided that it was time to go commercial. I told my wife, Sue, one night, 'I think we'll plant 100 acres next year and get equipment to package and process the crop.'"

Mrs. Litherland was ready, with reservations, to pitch in. "Up to that point," she says, "it had been just a hobby and I couldn't believe we'd grow the way Merle planned. But I was willing to support him and do what I could to help."

That was in about 1967, and the operation went to a 100-acre commercial venture, as planned. The

energy
efficiency

Sufficie

Additional insulation, properly installed, can have an immediate and large impact on the reduction of energy use for your home. By installing adequate insulation, you may be able to save approximately 20 - 30

percent of the energy used for space heating. Energy and cost savings for installing additional insulation varies greatly for each home and depends on many factors: local and summer/winter climate; wind velocity;

life-style of the occupants; effect on air infiltration of construction detail, products and workmanship; efficiency of the heating and cooling systems; type and cost of energy being used, and the combined effect of all these factors. However, substantial energy-saving opportunities are available in homes with the addition of insulation for sufficient thermal protection. This savings potential is greater for those with the least thermal protection and those in very cold or hot climates. The higher the cost of energy, the greater the potential for savings.

Many homeowners and buyers are deeply concerned about heating and cooling costs. Total energy use is affected mainly by the climate, air infiltration, heat flow through the building's structural components (walls, roof, etc.) and the seasonal efficiency of the heat and cooling system. The cost of heating and cooling is directly proportional to the total heat loss and heat gain of a house, all other factors remaining constant. As a result, additional insulation to provide adequate thermal protection in your home can have immediate results as far as reduction in energy use.

Additional insulation has potential marketing advantages. A properly insulated home may be more attractive to buyers.

An adequately insulated home is a more comfortable place to live. In a thermally well-protected home with substantial levels of insulation in the ceiling, walls and floor, the average inside surface temperature (ceiling, walls, floors, etc.) is increased in the winter. This increase in surface temperature helps to reduce the rate of heat loss from the body so people feel warmer. Also, in such a home, the room-to-room floor-to-ceiling air temperature differences are less. A number of other factors also affect thermal comfort, including the level of physical activity, insulation value of clothing, air temperature, relative humidity

An additional membership service

When a disabling illness, injury or cancer strikes, physical pain is only part of the problem. Meeting your regular monthly bills sometimes hurts just as much.

That's why most Illinois Rural Electric Co-operatives and telephone Co-operatives participate in Association Group plans from Mutual of Omaha Companies. And now Association members have the opportunity to include permanent life insurance coverage for their loved ones.

Besides providing members with important protection, these plans can now be purchased at **ASSOCIATION GROUP RATES**.

Disability Income Protection — Helps make up for lost income when a covered illness or injury keeps you from working.

Hospital Coverage — Provides ammunition for the battle against rising medical care costs.

Cancer Cost Supplement — Supplies extra coverage to help you afford the expensive cost of cancer treatment.

Mutual Care — Works with Medicare to help cover the cost of hospitalization and medical services for people age 65 and over.

Permanent Life Insurance — Ultra-Life 80, a new concept of whole life insurance with low initial premiums and subsequent premiums that may vary but will never exceed a specified maximum. Guaranteed cash values for emergencies or retirement. Even lower rates for non-smokers.

So, if you and your co-operative are not enrolled in these plans, let one of our representatives fill you in on the details soon.

Association Group Plans...a valuable membership service provided by the Mutual of Omaha Companies.

For more information, write:

Hugh R. McAteer
P.O. Box 2277
Maryland Heights, MO 63043
Phone: (314)-434-7230

Mutual of Omaha 

People you can count on...

Life Insurance Affiliate:
United of Omaha

MUTUAL OF OMAHA INSURANCE COMPANY
HOME OFFICE: OMAHA, NEBRASKA

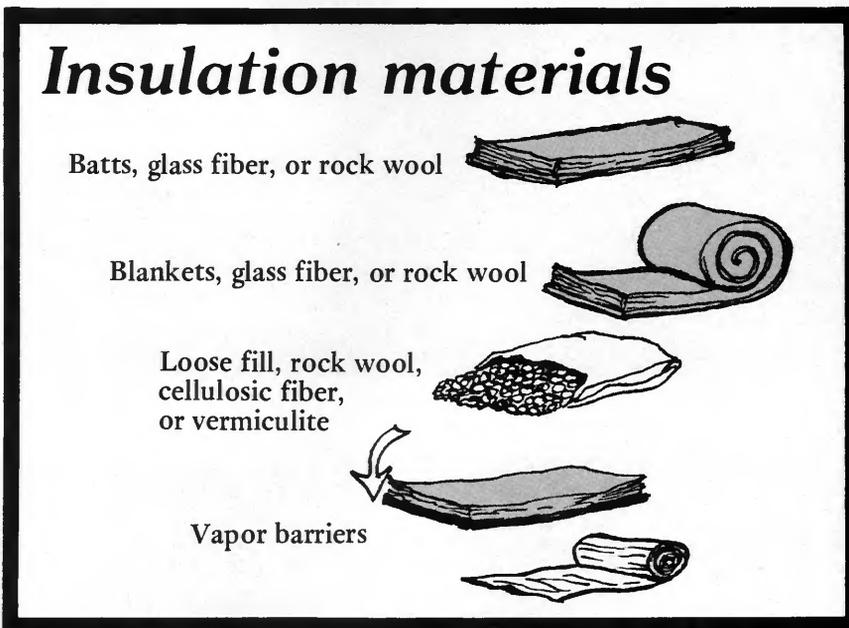
Insulation can save on energy consumption

and rate of air motion.

The kind of insulation you select will depend on the amount of insulation your home needs, where it will be applied, ease of installation, availability and the cost-benefit ratio.

First, begin your selection by observing the R-value on the insulation manufacturers' label. The R-value, or thermal resistance of the material, is an indication of its ability to retard heat flow. Therefore, the larger the R-value, the better the material's insulating capacity. All materials having the same R-value, regardless of thickness, weight or appearance, are equal in insulating value. Insulation should always be specified by R-value, not thickness. In instances where it is listed "per inch" of thickness, figure the inches of thickness and multiply it times the R "per inch" to get the total R-value of the product. Table one illustrates the R-values for several types of insulating materials. Manufacturers' variations as well as installation technique can cause some deviations from these values.

The most widely used home insulation is made of mineral fibers and is called rock wool or fiber glass. Available forms included flexible batts and



blankets (with and without facings), semi-rigid and rigid boards (with or without facings) and a loose form for blowing or pouring. Other types of insulation used in a residential construction include foamed plastic insulation boards or sheets, which are sometimes used as exterior wall sheathing, foundation insulation and quite commonly as perimeter edge insulation for slab-on-grade construction.

Batt and blanket insulation usually has a kraft vapor barrier paper facing, with stapling flanges. It is also available with aluminum foil facings including stapling flanges and in an unfaced form held in place by pressure. The width of the blankets and batts correspond to standard stud spacings. Blankets are continuous rolls, which can be handcut to the length you need and batts are pre-cut to four and eight foot lengths.

Nominal R-values for various thicknesses of insulation

R-Value	Batt or Blanket		Blown or Loose Fill		
	Mineral Fiber (glass or rock)	Mineral Fiber (glass or rock)	Mineral Fiber (glass or rock)	Cellulose Fiber	Thickness (inches)* Vermiculite Perlite
R-11	3-3½"	4-5"	3"	5"	4"
R-13	4"	4½-5½"	3½"	6"	5"
R-19	5½-6½"	6½-8½"	5½"	8½"	7"
R-22	6-7"	7½-10"	6½"	10"	8"
R-26	7½"	9½-11"	7½"	12"	9½"
R-30	8½-9"	10-13½"	8½"	13½"	11"
R-33	10"	12-14"	9½"	15"	12"
R-38	12"	13-7"	11"	17½"	14"

*Thickness of these various types of insulation and the corresponding R-values are approximate and based on figures obtained from the 1977 ASHRAE Handbook of Fundamentals published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers.



Meeting with Secretary Block (right) just before his departure for Washington are, from left, Thomas H. Moore, Executive Vice President and General Manager, AIEC; James H. Eddleman, Director, Legal and Public Affairs, AIEC, and Earl W. Struck, Public Affairs Representative, AIEC.

Block appointment popular; Dixon, Edgar take office

The appointment of John R. "Jack" Block as Secretary of Agriculture in the Reagan Cabinet has drawn the enthusiastic approval of Illinois agriculture organizations, including the state's electric cooperatives.

Leaders of the state's various agriculture groups praised President Reagan for selection of the Knox County livestock and grain farmer who served as Illinois Director of Agriculture from 1977 until his appointment by Reagan. Block was mentioned as a front-runner for the appointment shortly after the November elections. On November 20, 1980, the Board of Directors of the Association of Illinois Electric Cooperatives (AIEC) unanimously approved a resolution of recommendation to President-elect Reagan requesting favorable consideration of Block as Agriculture Secretary.

That resolution cited Block's background as a farmer, his record of service to agriculture, and his recognition of "the role of Secretary of Agriculture as one which can continue to foster a strong United States Department of Agriculture, including its agencies, such as the Rural Electric

Cooperation Administration, and the role of electric cooperatives in developing and maintaining Illinois and the nation as the leading agriculture commodity export state and nation in the world."

During his years as Director of Agriculture in Illinois Block was a frequent participant in the annual meeting of the AIEC. Thomas H. Moore, AIEC Executive Vice President and General Manager, said the appointment was a wise choice, not only because Block is a native Illinoisan, but also "an active farmer, an outstanding and capable individual and one whom we are confident will be the best Secretary of Agriculture in the history of the United States."

Illinois electric cooperatives look forward to working with the new Secretary, Moore added. "We're vitally concerned with the operations of the United States Department of Agriculture, not only from the standpoint that many of the half-million Illinois citizens served by the electric cooperatives are active farmers or are involved in farm-related businesses, but because of the Rural Electrification Administration and its importance to the future of the electric cooperatives and their ability

to continue to serve their owner-consumers at a reasonable cost," Moore said.

Block's appointment was one in a series of changes on the state and national government levels involving public officials who have worked closely with electric cooperatives in Illinois.

Alan J. Dixon, former Secretary of State in Illinois, was elected to the United States Senate in November and took office in January. Dixon was a featured speaker during the 1980 annual meeting of the AIEC.

The long-time public official, whose hometown is Belleville in St. Clair County, became the first Illinois Senator in recent years to be a member of the Senate Agriculture Committee, a key position for a Senator representing Illinois, considering the state's vital role as a farming state. Dixon also was appointed to the Senate Banking Committee. During confirmation hearings for Agriculture Secretary Block, Dixon, a Democrat, and fellow Senator Charles Percy of Illinois, a Republican, were among Block's strongest supporters. Dixon previously served as State Treasurer and was a

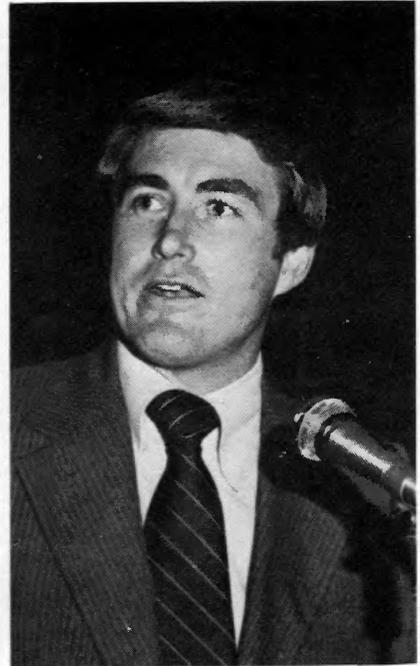
member of the Illinois General Assembly for several terms.

Three other Illinoisans joined Dixon in the 97th Congress as U. S. Representatives from Illinois. They are Lynn Martin of Rockford, Gus Savage of Chicago and Harold Washington, also of Chicago. Martin and Washington are former State Senators.

The replacement for Dixon as Illinois Secretary of State is James Edgar, a former State Representative from the 53rd District and most recently Governor James R. Thompson's director of legislative affairs. Edgar is the first Republican Secretary of State since 1970. In 1979 Edgar was a principal speaker during

(continued on page 15)

Senator Alan Dixon, left, and Illinois Secretary of State Jim Edgar during appearances at AIEC annual meetings.



PRESIDENT HOMES HAS PLANS FOR YOU!



FLOOR PLANS — Use your plan or one of our custom designs. We'll rough erect the home of your choice on your lot and foundation. Our experienced draftsmen will service your needs.

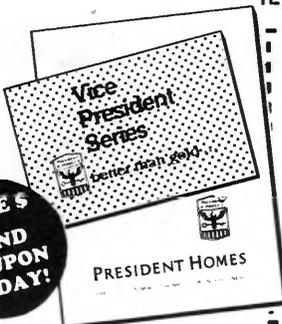
FINANCING PLANS — Below market financing on everything we furnish and do. No hidden costs. No closing costs. (10 or 15 year financing plans.)

FINISH IT YOURSELF PLANS — We supply completion manuals for your home...you do the easy finishing and enjoy huge savings!

FREE CATALOGS — Send for free plan books today!

WRITE FOR YOUR LOCAL ILLINOIS PRESIDENT HOME REPRESENTATIVE

AS LOW AS \$100 DOWN
\$233⁴⁸/mo.
 Excluding taxes and insurance. Based on 180 equal monthly installments.
 Cash price of home \$21,239.00.
10.4% FINANCING
 A.P.R.



Mail Coupon To:

PRESIDENT HOMES CUSTOM BUILT IL-30 PRE-CUT HOMES

A DIVISION OF HARVEY BUILDERS, INC.
 4808 N. LILAC DR. MINNEAPOLIS, MN 55429 (612) 537-3622

Name _____

Address _____ City _____

State _____ Zip _____ Phone _____

I own a lot I can get a lot • We would like to be in our new home by _____

SAVE SEPTIC TANK PUMP-OUTS!

with **Septictrine**
THE 5 NATURAL ENZYME
SEPTIC WASTE DIGESTER



- ELIMINATES**
- FOUL ODORS
 - CLOGGING
 - BACK-UPS

- An exclusive blend of 5 natural enzymes that completely liquifies ALL waste solids, including HOUSEHOLD TOILET PAPER and FACIAL TISSUES.
- Regular use reduces costly pump-outs! Some customers report they never had to pump out since using Septictrine!
- ECONOMICAL to use...2 ozs. every other week assures a clog-free, free flowing system.

DRAINTRINE

NATURAL ENZYME
DRAIN CLEANER



- The NEW...SAFE way to CLEAN DRAINS
- Non-Poisonous
- Non-Caustic
- Will not Harm Plumbing
- Ideal for Garbage Disposals

FREE!

with purchase of 3-lb. container SEPTICTRINE

5.00
VALUE

The ONLY Complete Guide to WATER WEED and ALGAE CONTROL at Lakes & Ponds.

This full-color guide graphically describes and illustrates the most common water weeds and algae. Experts present recommended control methods...everything you need to know about this critical subject.

1979 Revised Edition



\$4.95

For Solutions to ALL your problem water areas - LAKES & PONDS • SEWERS • SWIMMING POOLS
• LIVESTOCK WATER • RV HOLDING TANKS.

BROWN DEER CO. Dept. IL-1180
9600 N. Garden Dr., Mequon, WI 53092

Here's my check _____ M.O. _____
Send: _____ 1# Trial Size - \$8.95

_____ 3# w/Free Draintrine - \$22.95
Send me _____ copies of HOW TO IDENTIFY AND CONTROL WATER WEEDS AND ALGAE.
Enclosed is \$ _____

_____ Send me your Free Catalog

Name _____
Address _____
City _____
State _____ Zip _____

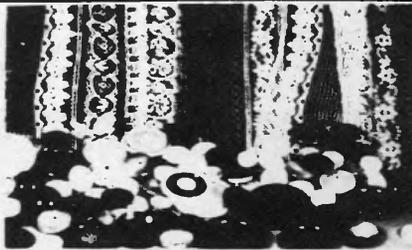
For quicker delivery of your order, call TOLL-FREE 1-800-558-5106, 8:30 AM - 5 PM CST, Weekdays.

"GOOD AS GOLD" PLAN!



Easy-to-raise chickens. Beat high meat prices AND sell for extra money. Get healthy Gold Bond Chicks for \$7.95 per 100 plus postage, with BONUS how to profit plan with eggs and meat. Eat well, build a nice business. ORDER DIRECT NOW. WE SHIP C.O.D. Send name and address to:

GOLD BOND CHICKS
P.O. BOX 474, MAYTOWN, PENNA.
17550



40 YARDS LACE \$1.75

LACE — LACE — LACE . . . 40 yards of Lace in delightful patterns. Edgings, insertions, etc. Assorted beautiful designs, colors and widths. Pieces at least 10 yards in length—none smaller. Marvelous for dresses, pillow cases, etc. Arrive as hem facing on new double, knit fabrics. Only \$1.75 or double orders \$3.35. 3 orders just \$4.95. Pls. include 50¢ pstg. and hding with EACH set of 40 yards you buy. Satisfaction guaranteed!

FREE with lace 50 BUTTONS!

50 New, High Quality Buttons. Assorted colors, sizes and shapes. Sent FREE with each lace order. Please allow up to 6 weeks for delivery.

LACE LADY
315 No. Tenth St.

DEPT. LB-563
St. Louis, Mo. 63101

\$195

- Total Cost For Both Upper & Lower Dentures**
- High Quality at Budget Prices
 - In by 10 a.m.; out that same afternoon with your new dentures
 - Fitted by Licensed Dentists
 - Will accept insurance and Medicaid
 - Complete dental services offered.

We'll meet your bus, make your motel reservations, if needed

Free hookup if you come by recreational vehicle!

Write or call today for complete free details. You are not obligated in any way.

Frederick C. Lauer DDS
Mid-America
Denture Clinic

Bus. Loop I-44 West, Rt. 3, Box 19C
Mt. Vernon, Mo. 65712
(417) 466-7196

our patients now number in the thousands . . . all the way from Maine to California, Canada to South America, Florida to Washington.

40 BRAND NEW TOWELS \$1.75!

UNWOVEN COTTON OR RAYON — Assorted beautiful Pastel Colors BRAND NEW — NOT Seconds — 40 Towels for \$1.75 or 80 for only \$3.35 120 just \$4.95 Super Quality Pls. include 50¢ extra for pstg. and hding with EACH set of 40 Towels you buy. We know Towels — we've sold 70,000,000 already. Fund Raisers write for quantity prices. Money-Back Guarantee. No C.O.D.'s. Pls. allow up to 6 wks. for delivery.
40 TOWEL CO. Dept. B-124
315 No. 10th St. St. Louis, MO 63101

Inter-State Nurseries
Hamburg, Iowa 51640
delivers

20 Giant Ruffled Glads \$1.00

Postpaid & Guaranteed
Double your money back if not completely satisfied.
New and superior varieties...if bought by name they would cost \$2.40. Colors range from white to purple, pink, rose, yellow, lavender, orange. This year we added Red Beauty, one of the brightest glads known. Big bulbs, 1 to 1 1/4 inches across. Glads will bloom for you this summer.

Free Spring Catalog

INTER-STATE NURSERIES
3021 E Street, Hamburg, Iowa 51640
 Free Spring Catalog 20 Glads \$1.00

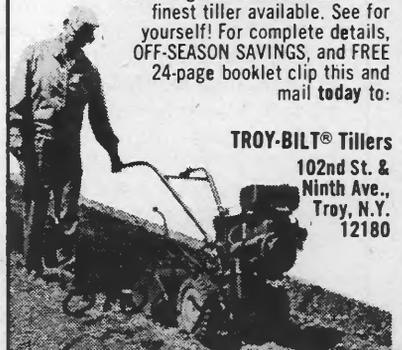
NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
Glads will be shipped at proper planting time

TILLER USERS...

Can your machine do all of this?

- ★ Handle with just ONE HAND.
- ★ EVENLY break, turn & till soil.
- ★ Shred vegetation without tangling.
- ★ Leave NO WHEELMARKS or FOOTPRINTS.

The TROY-BILT® ROTO TILLER-POWER COMPOSTER can do all this and more! That's why serious gardeners consider it the finest tiller available. See for yourself! For complete details, OFF-SEASON SAVINGS, and FREE 24-page booklet clip this and mail today to:



TROY-BILT® Tillers
102nd St. & Ninth Ave.,
Troy, N.Y. 12180

TROY-BILT® Roto Tiller-Power Composters
Dept. A-604
102nd St. & 9th Ave., Troy, N.Y. 12180

Please send the whole wonderful story of TROY-BILT® Roto Tillers including prices and OFF-SEASON-SAVINGS now in effect for a limited time. (Please Print Clearly)

Mr. _____
Mrs. _____
Ms. _____
Address _____
City _____
State _____ Zip _____

Almost Like Growing "INSTANT SHADE"...
Once Established, Amazing
Super-Soaring Hybrid

ZOOMS ROOF-HIGH IN JUST ONE SINGLE YEAR!

—and keeps on skyrocketing 30—40—50—EVEN UP
TO 60 FEET HIGH, OR MORE, in less time than most
trees nudge themselves a few feet off the ground.

Actually Soars Up To A Tower Of ROOF-HIGH Beauty IN JUST ONE YEAR!

Yes! Based on amazing average weekly and yearly growth rates reported by plant scientists —It grows **SO FAST**... arches out **SO WIDE**... you can actually take a ruler and measure the incredible difference in height **every 2 to 3 days!** OR, to really leave your neighbors gasping in awe and wonder, give them a yardstick and let them measure the difference **IN FEET, every 2 to 3 weeks!**

GROWS MORE IN JUST ONE MONTH THAN MOST TREES GROW IN AN ENTIRE YEAR!

Because according to plant experts, Gov't scientists and Botanical Gardens who researched this wonder-hybrid... once established, you merely water it once-a-week, and be absolutely floored as it **GROWS** up to an average of **A FULL 1/2 FOOT WEEKLY!** during its **SUPER-SOARING** growing season!

That's right! Grows higher than even a full grown Flowering Dogwood **IN JUST ONE SINGLE SEASON!** Grows higher than even a full-grown Star Magnolia **IN JUST ONE SINGLE YEAR!** Yes, thrusts itself so high, so fast that it actually towers over even a Japanese Red Maple, Cherry Tree or even the most graceful silky Willow, in such a ridiculously short time you will simply refuse to believe your eyes!

PLANT NOW—REACH OUT AND TOUCH ITS LUSH, THICK BRANCHES FROM YOUR SECOND STORY BEDROOM WINDOW BY NEXT SUMMER!

Think of it—just 12 months or less! No doubt about it. There's just not another "Instant" Shade Tree like it on this planet! Because—this year, thanks to this miracle of plant science, instead of spending a small fortune on a tree and then waiting half a lifetime for it to grow... get set for the garden-wonder of your life as this super-soaring hybrid rockets forth from a tiny sapling to a tower of roof-high beauty **IN JUST ONE SINGLE YEAR!**

GROWS IN VIRTUALLY ANY SOIL —REQUIRES NO SPECIAL CARE— SOARS INTO A MASTERPIECE OF BEAUTY IN JUST A MATTER OF MONTHS!

Best of all, unlike most trees that demand constant care, constant pampering... about the only thing you do when you plant this super-growing wonder-hybrid is water it and enjoy it! That's why leading botanical gardens... landscape artists... garden editors... can't stop raving about its indescribable beauty... its trouble-free care... its surging, towering growth. Small wonder that leading experts hail it in the most glowing terms... recommended it again and again for homeowners who want a stunning display of beauty, both a wind and privacy screen, and deep, cool shade... and with practically no more work than a thorough watering each week!

VITAL STATISTICS FROM LEADING EXPERTS MATURE GROWTH SIZE:

as much as 50 to 70 feet.

MATURE GROWTH SPREAD: as much as 30 to 35 feet.

ZONE OF HARDINESS: Hardy from deepest South to as far North as Vermont, Minn., Quebec, British Columbia, Winter hardy in areas where temp. drops as low as 50 degrees below zero!

LIGHT NEEDS: Grows best in sunny location.

DECORATIVE MERITS: Highly recommended by landscape architects as beautiful, decorative specimens for homes, parks, highways etc., where exceptional fast growth and beauty are required. Perfect for fast screening and privacy.

RAPID RATE OF GROWTH: Experts report growth rates of up to 9 FEET THE VERY FIRST YEAR ALONE on specimen trees. That's more than most shade trees grow in 3... 4... 5... even 7 years. Once established, will grow ranch-house-roof high **IN JUST ONE SINGLE YEAR.**

CARE: No special care required, just normal garden care. Water Fully once weekly. No spraying, no dusting, no special feeding. Naturally resistant to most diseases, pest or insects.

TO RANCH-HOUSE
ROOF HIGH
by next
year



TO TWICE
HOUSE TOP
TALL in
just a
few
short
years!



**WE HAVE AT THIS MOMENT
ONLY A LIMITED SUPPLY AVAILABLE FOR
RELEASE TO THE PUBLIC—FULL SUPPLY
WON'T BE READY UNTIL 1982.
SO ACT NOW!**

Now the price of this super growing shade tree is not \$20 or \$30 you might expect, but a mere \$3.95.

That's right, only \$3.95 for this magnificent Beauty that rewards you with such a glorious display of growth in **JUST ONE SINGLE YEAR.** However our supply is limited! Full supplies from the growing fields will not be ready mid to late 1981 or early 1982. Therefore, all orders must be shipped on a first-come, first shipped basis. To make sure you don't miss out... **ACT NOW!**

— SATISFACTION GUARANTEED OR MONEY BACK!

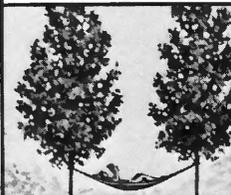
Remember: Satisfaction is fully guaranteed. You must be thrilled in every way with this spectacular fast-growing shade tree or **RETURN AT ANYTIME** within 90 days for a full refund of purchase price... **ANYTIME** within 1 year for free replacement. Could anything be fairer? Now is the time to order and plant—so send the no-risk coupon today!

NOTHING ELSE CAN MATCH IT
IN ALL OF NATURE!

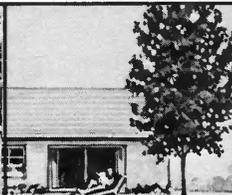


Grows More In One Month Than Most Other Shade Trees Grow In AN ENTIRE YEAR—More In One Season Than Ordinary Shade Trees Grow In 2 Years, 3 Years or Even 5 Years! (Illustration shows magnificent size, spread and beauty of mature Populus Canadensis Eugenei.)

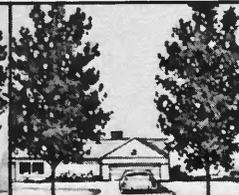
JUST MINUTES TO PLANT — SOARS UP TO ROOF-HIGH IN A SINGLE YEAR!



Here's a luxury sight you don't have to wait half a life-time growing — a matched pair of these towering show-pieces.



Picture your patio bathed in the cool, fragrant beauty of this show-stopping miracle tree from early spring to the first snows of winter.



Just a few minutes planting time, a few seasons' growing time, rewards you with twin towers of beauty.

© 1981, Willow River Nursery Sales, Inc.

— MAIL NO-RISK COUPON TODAY —

**WILLOW RIVER NURSERY SALES, INC., Dept. RHT-36
346 Maple Ave., Westbury, N.Y. 11590**

Yes, please rush me the SUPER GROWING SHADE TREE(S) indicated below:

- (#001) 1 for only \$3.95 plus 75¢ post. & hand.
- (#002) 2 for only \$6.95 (SAVE over \$1.00) plus \$1.00 post. & hand.
- (#004) 4 for only \$10.00 (SAVE over \$7.00) plus \$1.50 post. & hand.
- (#010) 10 for only \$20.00 (SAVE over \$20.00) plus \$3.00 post. and hand.
- (#020) 20 for only \$30.00 (SAVE over \$55.00) plus \$5.00 post. & hand.

If after receiving my order I am not fully delighted, I may return anytime within 90 days and you will refund my purchase price in full (less only postage and handling costs).

Total amount enclosed \$ _____ (N.Y. Residents add sales tax).
No COD's please.

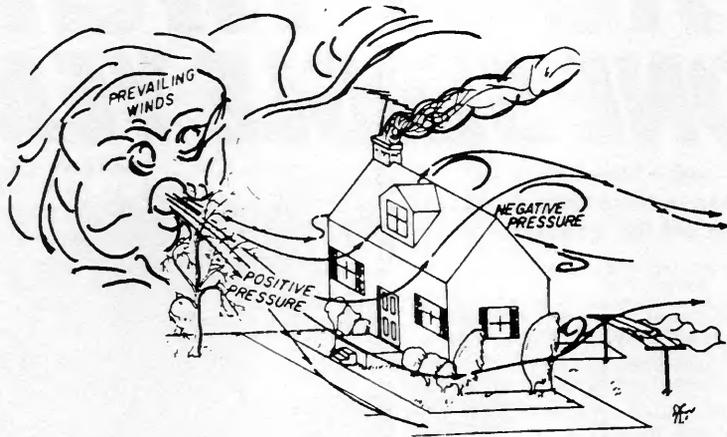
Name _____

Address _____

City _____ State _____ Zip _____

Weather conditions will determine date of shipment. Your trees will be shipped in early spring for proper planting time in your area.

How the wind affects your heating bill



There is good news and bad news about cold weather air infiltration in your house. The good news is that you have it and need it. The bad news is that you probably have far more than you need.

The problem is most prevalent during February, March and April, the windiest months of the year, and wind-induced infiltration of outside air into your home can be a special problem during those months.

Airflow over your house creates an intricate pattern of forces all around it, and while they are invisible, you can see drapes move, feel drafts and hear wind noises around the house.

As mentioned earlier, a certain amount of infiltration is good. It replenishes oxygen in the house, and most homes have at least one air exchange an hour under average wind conditions. A tightly built, well insulated, weather-stripped home with all-electric heating and appliances should have a complete change of air every two hours.

Homes with fossil-fueled cookstoves, furnaces, water heater or clothes dryers will need more air changes because they need more air. Every cubic foot of gas burned uses ten cubic feet of air to support combustion.

While some air exchange is necessary, most houses lose far too much heat during the windy season.

As the wind speed increases, air changes take place more often. You may have noticed that on a windy day you need to raise the setting on your thermostat a little higher and, even then, you may feel somewhat chilly. This is because the wind is pushing cold air in and pulling warm air out at a faster rate than normal.

The wind exerts a positive force on the windward side of a house and pushes cold air in through the cracks around doors and windows, through floors and walls, and into chimneys and exhaust fan ducts. Chimneys have dampers which should be closed when they are not in use, but there is not much you can do about the back-draft damper on an exhaust fan.

As the wind moves over and around your house, it creates a vacuum, or a negative pressure on the leeward side, actually sucking warm air out.

Many houses are sited so that prevailing winds will have less effect. Others are protected by other nearby buildings, evergreen trees, natural coves or other surrounding objects that obstruct wind flow. The exposed location of a large open area, or on the windward side of a hill, or atop a hill, will naturally cause increased problems with infiltration.

Now that you know the problem, the solutions become obvious. If you are planning to build, one of the first things you should consider is your location and what effect the prevailing

winds will have on a house placed there. Second, you should give close attention to insulating around window and door frames, and around house corner posts while the house is being built. Third, you should select windows of good quality construction with weather stripping and tight sashes. You should also make sure that you insulate between floors if you are building a multi-story house.

For a house that is already built, you can still make some of the necessary corrections you would need to make to cut down on infiltration. The window and door frames can be caulked and storm windows and doors can be installed. You can add weather stripping, too. You can reduce the air infiltration that normally comes through the doors and windows by nearly one-third. Keep windows locked where possible. Be sure storm sashes are in their right tracks and lined up.

Adequate insulation in the ceiling, under floors and in all outside walls will fill the spaces that are normally vulnerable to air infiltration. Underpinning of crawl areas — with the windward vents closed — will help with infiltration through floors. Be sure insulation is tight against the floor from the underside. In the attic, see that the insulation covers all the ceiling and that there are no cracks between batts or next to ceiling joists.

Be sure to keep insulation at least three inches away from the sides of light fixtures that recess into the attic and two feet away from their tops.

For the house built in an exposed location, triple glazing (insulated double glass windows with storm sash) would be most helpful. Planting a grove of evergreens in the windward side yard could eventually form a windbreak and, if properly arranged, would enhance the beauty and value of your property.

If the above construction details are utilized, the problem of infiltration of outside air due to wind forces will be minimized and your house should be more comfortable at the normal thermostat setting. You will use less energy and conserve valuable energy resources. And, you will be more comfortable.

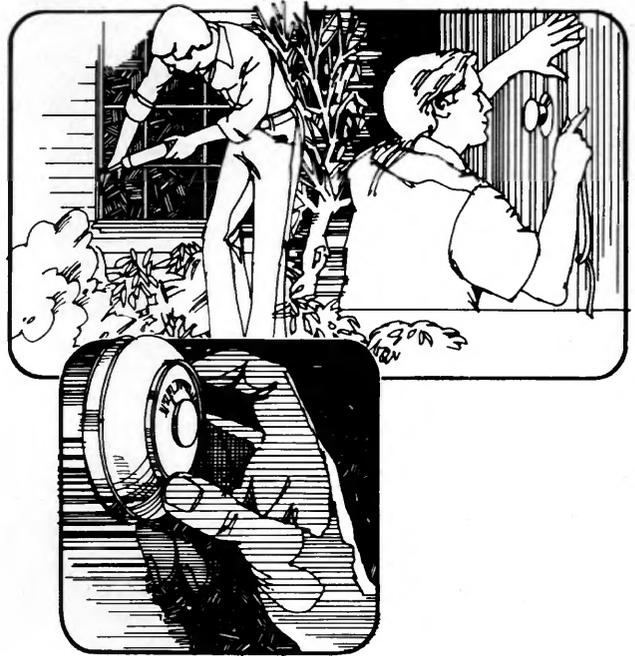
Be aware of home electric consumption

Everything seems to cost too much these days, but it seems that we must adjust to these inflationary times. One big change you can make in your living expenses is through energy conservation. We are in a time where conservation practices can really save money.

Now that we know where our bigger energy users are in the home, let's look at some conservation practices that may help reduce the amount of energy used in these critical areas.

The first area to be investigated will be electric heating. Listed below are several areas that we can look at when trying to conserve electric heat.

1. Check your attic, floors, and walls to see if they are adequately insulated. Our insulation recommendations are: Ceiling - R-38; Wall - R-18; and Floor - R-19. If you are uncertain whether additional insulation is needed or not, call your local electric cooperative office for additional information.
2. Caulk and weatherstrip around all doors and windows.
3. If you have a central heating system, make sure that all joints in your duct system are properly fastened together with screws and all the joints taped. Then notice if the entire duct system is properly insulated.
4. If you have a central heating system, the unit should be checked and serviced annually as indicated by the service manual. The filter should be checked monthly and changed as regularly as need indicates.
5. Set the thermostat as low as comfort will allow.
6. Lower the thermostat setting at least 10 degrees during the night sleeping hours.
7. Use electric blankets and lower the night thermostat even more than 10 degrees. Studies indicate that setting the electric blanket thermostat on the mid-point setting and reducing the household temperature by as much as 10 degrees will produce a significant reduction in energy consumption.
8. Wear more and warmer clothes around the house, allowing the comfortable temperature in the house to be lower.
9. Maintain a proper humidity level in the house because humidity has a direct effect upon the comfortable temperature setting in the home. The relative humidity level should be maintained between 35 and 40 percent.
10. Turn off heat in any rooms that are not needed and keep these rooms closed off to prevent the cooler air from getting to the heated area. This practice applies to all heating systems except central systems, which can be damaged by shutting



off too many registers.

11. Lower the thermostat setting when you will be away from home for an extended period.
12. Do not use a fireplace and your electric heat at the same time, unless the fireplace has a tight-fitting glass door to prevent costly electric heat from going up the chimney.
13. Monitor your meter daily during the months of high energy consumption - this makes you more aware of where the energy is going and makes you realize just how much your efforts to conserve are paying off.

The second most critical area of energy consumption in the average home is the water heater. Listed below are a few ways we recommend conserving energy used to heat water.

1. If the water heater is in an unheated area, it should be wrapped with insulation to cut down on standby heat loss. You can purchase commercially made water heater insulation kits or just make your own out of regular insulation.
2. Check the thermostat settings on the water heater. We recommend thermostat settings of 120 degrees without dishwasher and 140 degrees with a dishwasher.
3. Insulate all hot water pipes to reduce standby heat loss.
4. Locate the water heater in the central area of use to eliminate long runs of pipe.
5. Fix all leaky faucets and only use hot water when actually needed in the amounts needed.

These two areas of energy consumption in the home should receive your priorities when considering ways to conserve energy and/or ways to reduce your utility costs. If you will make it a habit to follow these suggested conservation ideas, you may save money while making your home a little more comfortable.

If Ruptured TRY THIS OUT

**Modern Protection Provides Great
Comfort and Holding Security**

An "eye-opening" revelation in sensible and comfortable reducible rupture protection may be yours for the asking, without cost or obligation. Full details of the new and different Rice Support will be sent you Free. Here's a Support that has brought joy and comfort to thousands—by releasing them from Trusses that bind and cut. Designed to securely hold a rupture up and in where it belongs and yet give freedom of body and genuine comfort. For full information—write today! WILLIAM S. RICE, Inc., ADAMS, N. Y., 13605 DEPT. 9P

DID YOU KNOW?

That old stock tank, water reservoirs, etc., coated with Virden Tank Coat, are better than new ones! Fix it and forget it! Let us send you complete information. This is our 29th year. VIRDEN PERMA-BILT CO., 2821 Mays St., P. O. Box 7160IN, Phone: 806/352-2761, Amarillo, TX 79109

Kelly Bros. FREE!

Spring Planting Nursery Catalog

Your new FREE Kelly Catalog has helpful gardening tips. Grow your own strawberries, raspberries, grapes, asparagus, dwarf fruit trees, roses, perennials, flowering shrubs, trees. Send for your Kelly Spring Garden Guide & Nursery Catalog today.

KELLY BROS. NURSERIES, INC.

984 Maple St., Dansville, NY 14437

Yes, rush my FREE Kelly Fall Catalog to:

Name _____

Address _____

Zip _____

(Sorry, no catalogs to AZ, CA, OR, WA)

Fireplace Owners, Solve Your Home-Heating Costs... NOW! **FREE HEAT MACHINE®**

Warm Home SAVE MONEY!

THE FREE HEAT MACHINE® can be used independent of, or in conjunction with, your existing heating system and can substantially reduce your heating bill.

For instance, if you build a typical fire with three logs, your FREE HEAT MACHINE® will produce 38,000 BTU's of usable heat. That's enough to heat 1,800 to 2,000 square feet of living area.

Any solid fuel (wood, coal, paper logs, etc.) can be used. Since the machine is so efficient, you will use less fuel than you use now.

The only other cost to operate the unit is for electrical power to run the two blowers. That's less than 150 watts, or the same as one light bulb!



**5 Year Warranty
On Heat Exchanger!**



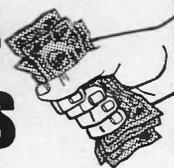
U.S. Patent 3938496

- Two 2-speed air blowers of efficiency and quiet operation.
- Air filters protect blowers from dust, extend blower life.
- Glass doors prevent heated room air from escaping up chimney.
- Competitively tested and recommended by a major utility.
- Quality construction, built to last.
- Easy to install without any alterations to existing masonry fireplaces.
- Just six models fit 95% of all home fireplaces.

We know of no other unit that puts out as much heat as the FREE HEAT MACHINE®!

PUT THE CHAMP™ TO WORK FOR YOU!

Curtis Homes Assistance Money Plan



Curtis does the heavy difficult framing on your lot and foundation. You complete it with Curtis quality materials and simple, step-by-step instructions.

THE "CHAMP" WORKS TEN WAYS FOR YOU!

- Easy credit during construction.
- No big down payment, no deposit.
- No bank qualification at the start.
- Low monthly payments.
- Below market interest rates.
- Build without a fully paid for lot.
- 6 month price guarantee.
- No installments 'til Fall 1981.
- Complete-it-yourself and save.
- Long term mortgage money.

*Finance charge accrues on date of first delivery.

Send coupon or call. No obligation. Allow three weeks for delivery or send \$1.00 for priority handling.

There's a representative near you!

Phone 1-800-358-9150

Complete It Yourself

Curtis Homes™

If you have desire... We have the trust!

Send me your FREE Homes Catalog.
CURTIS HOMES, DEPT. IL-1
327 5th Street - W.D.P. - Perrysburg, OH 43551

Name _____

Address _____

City _____ State _____ Zip _____

County _____ Phone () _____

- I own or can get a lot.
- Enclosed is \$1.00 for priority handling.

Clip and Mail Today:

NAME _____ HOME PHONE _____
ADDRESS _____ BUS PHONE _____
CITY _____ STATE _____ ZIP _____

We would like to have free and without obligation, more information on your Free Heat Machine® for our home. In order to better help you estimate what size Free Heat Machine® would best fit our fireplace and how much we could save on our winter utility bills, we have filled in the following information:

Size of Home _____ Sq. Ft. Central Duct-work Yes _____ No _____
Clean Out Trap Yes _____ No _____

Approximate winter utility bill:
Electric: \$ _____ per mo. LP Gas: \$ _____ per mo.
Fuel Oil: \$ _____ per mo. Natural Gas: \$ _____ per mo.
Wood Use Per Year _____ Cord _____ Rick _____

Fireplace:
Rock: _____ Brick: _____
Other: _____

Fireplace Dimensions:
Height _____ inches
Rear Width _____ inches
Front Width _____ inches
Depth _____ inches
(From front of opening to back of fire box.)

See The Amazing

FREE HEAT MACHINE®

Can Pay for Itself In LESS than 2 Years!

FREE HEAT DISTRIBUTORS, INC.

Some areas still open for Dealerships.

8744 East 46th • Tulsa, Oklahoma 74145 • (918) 663-3590

Senator Dixon, left, testified in favor of Block's appointment during confirmation hearings in Washington. At the far right is Senator Charles Percy, and Congressman Paul Findley of Pittsfield is immediately behind Percy. Block was confirmed, 98-0, by the Senate.



Block

(continued from page 9)

the AIEC annual meeting. Edgar also has worked closely with electric cooperative leaders on matters of importance for electric cooperative consumer-members.

Block, a member of President Reagan's Agricultural Task Force, received bipartisan praise from two Senators who serve on the Senate Agriculture Committee, which unanimously recommended Block for full Senate confirmation.

Senator Jesse Helms of North Carolina, a Republican, and Chairman of the Committee, said, "I am most impressed with the way Jack Block has presented himself to this Committee. He has the makings for one of the nation's greatest Secretaries of Agriculture."

Democrat Senator Walter Huddleston of Kentucky, minority leader on the Committee, said, "I congratulate President Reagan on attracting Mr. Block to serve in government." He added that he was impressed with answers Block had given the Committee and said he felt Block would make an outstanding Secretary of Agriculture.

Block's support was widespread, but Kansas Senator Robert Dole surfaced as one of his strongest backers. Dole, Chairman of the Senate Finance Committee and second-ranking Republican on the Senate Agriculture Committee, said, "We needed a Midwesterner in there. Block is a hands-on farmer, the geography is right and he just impresses me."

FREE BOOKLET ! HOW TO GROW BERRIES FOR FUN & PROFIT



Free Strawberry Booklet tells how to grow your own Strawberries, Raspberries, Blackberries, Blueberries, Gooseberries, Grapes, Asparagus, Rhubarb, Currants and more, **all for fun and profit!** Guaranteed to grow. Lists best varieties for your area. Recipes included. **Free Plant offer!** Send for your Free Booklet today!

Ahrens Strawberry Nursery  

FREE BERRY BOOKLET!

AHRENS NURSERY
R.R. 1 Dept. IL-81
Huntingburg, Indiana 47542

Yes, rush my new Berry Book and Catalog Free today.

Name _____
Address _____
P.O. _____ State _____

Farm materials handling show set for March 3-5 in Nashville

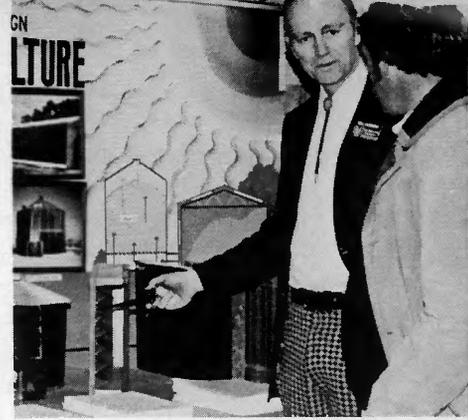
The 20th annual Farm Materials Handling Show is set for March 3-5 at the Washington County Fairgrounds in Nashville, notes Willard Wiggers, general chairman.

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

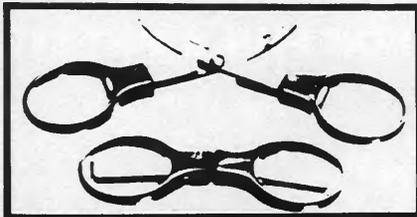
Co-operative, Clinton County Electric Cooperative, Egyptian Electric Cooperative Association, Monroe County Electric Co-Operative, Southeastern Illinois Electric Cooperative, Southern Illinois Electric Cooperative, Southwestern Electric Cooperative, Tri-County Electric Cooperative and Wayne-White Counties Electric Cooperative. The Nashville Chamber of Commerce assists with local arrangements.

Cooperative personnel on committees include: Wiggers of Monroe, Andy Bird and Helen Mullins of Tri-County, Harry Buller of Clinton, Vic Ketten of Southwestern, Ray



Bill Peterson, left, University of Illinois Extension Agricultural Engineer, discusses various methods of solar grain drying at last year's Farm Materials Handling Show. Energy efficiency will be highlighted again this year.

Harbison of Southeastern, Larry Lovell of Southern, D. Royce Carter of Wayne-White and John Kober of Egyptian.



DELUXE FOLDING SCISSORS \$1

An open & shut case of convenience. Quality steel blades, cushioned plastic handles, ingeniously engineered to fold to absolutely safe 3" size to slip easily into pocket, purse, sewing kit, first aid kit, glove compartment, tackle box, etc. Great for in-store coupon clipping. Vinyl case included. A great value at only \$1 Pr., 2 Pr. \$1.79, 6 Pr. \$4.75, 1 Dz. \$8.75 ppd. Fund Raisers write for quantity prices. Money-back guarantee. Pts. allow up to 6 wks. for delivery.

TWO BROTHERS, INC. Dept. FS-554
808 Washington St. Louis, Mo. 63101



NOW PLANT Husky Young TREES AT Wholesale Prices

Colorado Blue Spruce plus 26 other evergreen varieties; Black Walnut plus 28 other deciduous trees including many hardwoods. Ideal for forestation, windbreaks, wildlife shelter and food, soil conservation...increase property value. Low quantity prices.

Also New Hybrid Poplars
Send for Free Catalog
Low Quantity Prices

VANS PINES INC.

Box 765 West Olive, Mich. 49460
Phone 616 399-1620

WE BUILD OLD-FASHIONED CRAFTSMANSHIP INTO YOUR NEW HOME.

Over 30 years of quality building and knowledge goes into each stick-built NORDAAS AMERICAN HOME.

No pre-fab or pre-cut with Nordaas American Homes. We build your home the old fashioned way, board-by-board, with expert crews to do the construction. What's more we'll build to your plan or any of the 1001 plans you select from our files. Free plan service, free delivery of materials within 1000 miles. Send coupon or phone collect for color brochure and list of quality standards. Model home open daily 8-5 & Sunday 1-5

You're always welcome at our office and plant.

NORDAAS AMERICAN HOMES

Minnesota Lake, MN 56068, Dept. 2-L
Phone: (507) 462-3331



Name _____
(Please Print)
Address _____
City _____ State _____ Zip _____
Phone _____

Now when you purchase a Nordaas American Home you'll receive a \$1000 credit towards light fixtures, NuTone electrical products, carpet, draperies, and furniture. Limited time offer!!!

Save this ad for future discount!

NURSERY STOCK SALE

OVER 200 VARIETIES TO CHOOSE FROM

PLANTING INSTRUCTIONS INCLUDED IN EACH ORDER, EVERY PLANT WILL BE LABELED.

Notice: Orders of \$25.00 or more—take 10% discount off price of order. Does not apply to \$2.00 postage and handling charge.



RED MAPLE (*Acre 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 up to 60 feet.
1 Tree ... 1.29 4 Trees ... 4.99
8 Trees ... 8.49 16 Trees ... 15.99



WHITE DOGWOOD (3 to 4 ft.) Large, white, single blossoms are conspicuous early in spring. The foliage is attractive all summer, and the fall colors beautiful. Red berries hang on most of the winter. Use as a specimen, or in groups as a background for borders. Grows up to 30 feet high.
1 Tree ... 1.49 4 Trees ... 5.49
8 Trees ... 10.49 16 Trees ... 19.99



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 ... 1.29 4 Trees ... 4.99
8 Trees ... 8.49 16 Trees ... 15.99



PINK DOGWOOD (3 to 4 ft.) A most valuable low growing and colorful tree for the lawn. Before the leaves appear, the tree is literally covered with rose-pink flowers suffused with bright red. Grows up to 20 feet high. A gorgeous spectacle.
1 Tree ... 7.95 4 Trees ... 29.99
8 Trees ... 58.99 16 Trees ... 115.99



SUGAR MAPLE (3 to 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.
1 Tree ... 1.29 4 Trees ... 4.99
8 Trees ... 8.49 16 Trees ... 15.99

FLOWERING SHRUBS—1-2 Years Old

- Crepe Myrtle, Red, Pnk, Purple—1-2 ft. 99 ea.
- Spirea Van Houttei, White, 1-2 ft. 1.25 ea.
- Weigela, Red, 1-2 ft. 95 ea.
- Forsythia, Yellow, 1-2 ft. 65 ea.
- Pink Spirea, 1-2 ft. 45 ea.
- Tamarix, Pnk, 1-2 ft. 65 ea.
- Bush Honeysuckle, Red, 1-2 ft. 65 ea.
- Red Flowering Quince, 1-2 ft. 95 ea.
- Persian Lilac, Purple, 1-2 ft. 95 ea.
- Old Fashion Lilac, 1-2 ft. 1.25 ea.
- Bridal Wreath Spirea, 1-2 ft. 1.25 ea.
- Hydrangea P.G., 1-2 ft. 65 ea.
- Mockorange, White, 1-2 ft. 45 ea.
- Sweet Shrub, 1-2 ft. 65 ea.
- Rose of Sharon, 1-2 ft. 45 ea.
- Pussy Willow, 1-2 ft. 45 ea.
- Russian Olive, 1-2 ft. 75 ea.
- Red Barberry, 1-2 ft. 95 ea.
- Jap. Snowball, 1-2 ft. 95 ea.
- French Lilac, Red, Purple, 1-2 ft. 1.95 ea.
- Butterfly Bush, Purple, 1-2 ft. 1.25 ea.
- Azalea, White, Purple, Red or Pink, 4-8 inches 99 ea.
- Glossy Abelia, 1/2-1 ft. 69 ea.
- Burning Bush, 4-8 inches 95 ea.

FLOWERING TREES—1-2 Years Old

- Magnolia Grandiflora, 1/2-1 ft. 1.45 ea.
- Mimosa, Pnk, 4-5 ft. 1.95 ea.
- American Red Bud, 4-5 ft. 1.95 ea.
- Pink Flow, Dogwood, 2 ft. 4.95 ea.
- Golden Rain Tree, 1-2 ft. 1.25 ea.
- Golden Chain Tree, 1-2 ft. 1.45 ea.
- Smoke Tree, 1-2 ft. 1.95 ea.
- Double Pink Flow, Cherry, 1/2-1 ft. 98 ea.
- Double Pink Flow, Cherry, 3-5 ft. 5.95 ea.
- Flow. Crab, Red, 3-5 ft. 2.98 ea.
- Magnolia Soulangiana, 1-2 ft. 2.95 ea.
- European Mt. Ash, 3-4 ft. 3.95 ea.
- Red Flow, Dogwood, 2 ft. 4.95 ea.

SHADE TREES—1-2 Years Old

- Silver Maple, 4-6 ft. 1.98 ea.
- Green Weeping Willow, 4-5 ft. 1.98 ea.
- Ginko Tree, 1-2 ft. 1.45 ea.
- Pin Oak or Red Oak, 3-5 ft. 2.95 ea.
- Lombardy Poplar, 3-4 ft. .79 ea.
- Sycamore, 4-5 ft. 1.95 ea.
- Sweet Gum, 4-5 ft. 1.95 ea.
- White Birch, 4-6 ft. 2.95 ea.
- Crimson King Maple, 3-5 ft. 9.95 ea.
- Persimmon, 1-2 ft. 95 ea.
- Dawns Redwood, 1-2 ft. 2.95 ea.
- Jap. Red Leaf Maple, 1 ft. 2.95 ea.

FRUIT TREES—1-2 Years Old

- PEACHES**, Varieties: Belle of Ga., Elberta J. H. Hale, Hale Haven, Dixie Red, Golden Jubilee, 1-2 ft. 99 ea.
2-3 ft. 1.95 ea.
3-5 ft. 2.79 ea.

- APPLES**, Varieties: Stayman, Winesap, Red Delicious, Early Harvest, Red Rome Beauty, Red Jonathan, Lodi, Grimes Golden, Yellow Trans., Yellow Del., Early McIntosh.
2-3 ft. 1.95 ea.
3-5 ft. 2.95 ea.

- CHERRIES**, Varieties: Montmorency, Black Tartarian, 2-3 ft. 4.49 ea.
3-5 ft. 3.95 ea.

- PEAR**, Varieties: Kieffer, Orient, Bartlett, 2-3 ft. 2.95 ea.
3-5 ft. 3.95 ea.

- APRICOTS**, Varieties: Moorpark, Early Golden, 1-2 ft. 1.25 ea. 2-3 ft. 1.95 ea.
3-5 ft. 2.95 ea.

- NECTARINE**, 1-2 ft. 1.25 ea.
2-3 ft. 1.95 ea.
3-5 ft. 2.95 ea.

- PLUMS**, Varieties: Damson, Red, June, Methley, Burbank, 1-2 ft. 1.25 ea.
2-3 ft. 1.95 ea.
3-5 ft. 2.95 ea.

DWARF FRUIT TREES—2-3 Years Old

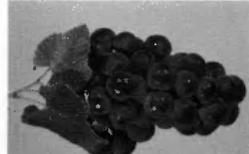
- DWARF PEACHES**, Varieties: Elberta, Red Haven, Belle of Ga., Golden Jubilee.
2-3 ft. 2.95 ea.
3-5 ft. 4.95 ea.

- DWARF APPLES**, Varieties: Red Delicious, Yellow Delicious, Winesap, Early McIntosh, Jonathan, Lodi, Yellow Transparent.
2-3 ft. 2.95 ea.
3-5 ft. 4.95 ea.

- DWARF CHERRIES**, Varieties: Montmorency or North Star, 2-3 ft. 4.95 ea.
DWARF PEAR, Varieties: Bartlett or Kieffer, 2-3 ft. 4.95 ea.

- DWARF PLUM**, Varieties: Burbank, 2-3 ft. 3.95 ea.

VINES—1-2 Years Old



- Grape Varieties**: Concord, Niagara, Luttie, Fredonia, Delaware, Catawba, 1 ft. 99 ea.
Red Scarlet Honeysuckle, 1 ft. 95 ea.
Wisteria, Purple, 1/2-1 ft. 1.25 ea.
Bittersweet, 1 ft. 65 ea.

- * Clematis, White, 1/2-1 ft. 45 ea.
Yellow Jasmine, 1/2-1 ft. 1.25 ea.

- * Vinca Minor Clumps 25 ea.
English Ivy, 4-8 inches 35 ea.
Euonymus Coloratus, 1/2-1 ft. 29 ea.
Ajuga Bronze Ground Cov. 1 yr. 35 ea.

NUT TREES—1-2 Years Old

- Hazel Nut, 3-5 ft. 3.95 ea.
- Butternut, 3-4 ft. 3.95 ea.
- Chinese Chestnut, 3-5 ft. 2.45 ea.
- Hardy Pecan Seedlings, 1-2 ft. 1.50 ea.
- Stuart Pecan, Papershell, 2-3 ft. 7.95 ea.
- Black Walnut, 1-2 ft. 75 ea.
- English Walnut, 2-3 ft. 7.95 ea.

EVERGREENS—1-2 Years Old

- * American Holly, 1/2-1 ft. 65 ea.
- * Rhododendron, 1/2-1 ft. 1.25 ea.
- Pfitzer, Juniper, 1/2-1 ft. 95 ea.
- Boxwood, 1/2-1 ft. 79 ea.
- Red Berry Pyracantha, 1 ft. 1.25 ea.
- Yellow Berry Pyracantha, 1 ft. 1.25 ea.
- Burfordi Holly, 1/2-1 ft. 95 ea.
- Dwarf Burfordi Holly, 1/2-1 ft. 95 ea.
- Wax Leaf Ligustrum, 1/2-1 ft. 45 ea.
- Colorado Blue Spruce, 1/2-1 ft. 75 ea.
- Mountain Laurel, 1/2-1 ft. 65 ea.
- * Canadian Hemlock, 1-2 ft. 65 ea.
- Hetzli Holly, 1/2-1 ft. 79 ea.
- Japanese Holly, 1/2-1 ft. 79 ea.
- Helleri Holly, 1/2-1 ft. 1.25 ea.
- Andora Juniper, 1/2-1 ft. 95 ea.
- Jap. Yew, 1/2-1 ft. 1.25 ea.
- Globe Arborvitae, 1/2-1 ft. 95 ea.
- Globe Arborvitae, 1/2-1 ft. 95 ea.
- Gardenia, White, 1/2-1 ft. 95 ea.
- Camellia, Red, 4-8 inches 95 ea.
- Norway Spruce, 1/2-1 ft. 75 ea.
- Euonymus Manhattan, 1/2-1 ft. 39 ea.
- * White Pine, 1 ft. 75 ea.
- Austrian Pine, 1/2-1 ft. 75 ea.
- Mugho Pine, 4-6 inches 75 ea.
- Scotch Pine, 4-6 inches 65 ea.
- Sargent Juniper, 1/2-1 ft. 95 ea.
- Blue Rug, Ground Cover, 4-6 inches 95 ea.

BERRY PLANTS, ETC.—1-2 Years Old

- * Blackberry, 1 ft. 69 ea.
- * Black Raspberry, 1 ft. 99 ea.

- Blueberries, Rancocas, Rubel, Berkley and Blueray, 2 yr. 1 ft. 2.95 ea.
Red Everbearing Raspberry, 1 ft. 99 ea.
Dewberry, 1 ft. 99 ea.
Boysenberry, 1 ft. 99 ea.
Gooseberry, 2 yr. 1 ft. 1.50 ea.
Figs, 1-2 ft. 1.95 ea.

BULBS AND PERENNIALS—1-2 Years Old

- 4 Pampas Grass, White Plumes 2.50
- 10 Hibiscus, Mallow Marvel 2.50
- 10 Hollyhocks, Mixed Colors 2.95
- 6 Cannas, Red, Pnk, Yellow 2.95
- 10 Iris, Blue or Purple 2.50
- * 10 Day Lilies, Roots, Orange Flow 2.50
- 10 Crown Vetch 2.95
- 10 Candytut, White 2.95
- 10 Babybreath, White 2.95
- 10 Shasta Daisy, Alaska 2.95
- 10 Lupines, Mixed Colors 2.95
- 10 Sedum, Dragon Blood 2.95
- 10 Fall Asters, Mixed Colors 2.95
- * 10 Yucca, Candle of Heaven 2.95
- 10 Mums, Mixed Colors 2.95
- 4 Dahlias, Mixed Colors 2.95

BERRIES, FRUITS, AND HEDGE—1-2 Years Old

- 10 Rhubarb, 1 yr. Roots 1.95
- 20 Asparagus, 1 yr. Roots 2.25
- 25 Strawberry, Blakemore or Tenn. Beauty 2.95
- 25 Gem. Everbearing Strawberry 2.95
- 50 South Privet, 1 to 2 ft. 6.95
- 25 North Privet, 1 to 2 ft. 6.95
- 25 Multiflora Rose, 1 to 2 ft. 6.95

NATIVE WILD FLOWERS—1-2 Years Old

- 6 Lady's Slipper, Pnk 2.50
- 8 Dutchman Breeches, White 2.50
- 6 Jack-in-Pulpit, Purple 2.50
- * 10 Trilliums, Mixed Colors 2.50
- * 10 Blue Bells 2.50
- * 10 Maiden Hair Fern 2.50
- * 10 Christmas Fern 2.50
- * 4 Royal Fern 2.50
- * 10 Cardinal Flowers, Red 2.50

"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 till April 30—Fall Oct. 1 till Dec. 1. All other states—Spring March 1 till May 20—Fall Sept. 15 till Nov. 1. These are the best suggested planting dates. However, you can plant any time during these dates if 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. Send \$2.00 extra with order 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 necessary. 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 125 IL • McMINNVILLE, TENNESSEE 37110

February fare...

CHICKEN SPAGHETTI

- | | |
|-----------------------------|----------------------|
| 1 cup celery, chopped | 1 teaspoon paprika |
| 1 cup green pepper, chopped | 1 can tomato soup |
| 1 cup onions, chopped | 1 can mushrooms |
| 1 clove garlic | 1 can mushroom soup |
| 2 tablespoons chicken fat | 1 package spaghetti |
| 1 tablespoon chili powder | Chicken broth |
| 2 teaspoons salt | 2 cups grated cheese |
| 1 teaspoon pepper | |

Saute celery, pepper, onion and garlic in fat. Add seasonings, soups and mushrooms. Simmer 20 minutes. Cook spaghetti in chicken broth until tender. Place layers of chicken, spaghetti, sauce and cheese in a greased casserole. Repeat layers. Bake at 350 degrees for 45 minutes.

CORNERD BEEF CASSEROLE

- | | |
|-------------------------------------|-------------------------|
| 1 pkg. (6-oz.) macaroni | 1 cup milk |
| 1 can (12-oz.) corned beef | 1/2 cup chopped onions |
| 1/4 lb. sharp cheddar cheese, cubed | 3/4 cup buttered crumbs |
| 1 can cream of chicken soup | |

Cook macaroni according to directions, drain. Add other ingredients, save crumbs for top. Pour into a casserole, top with crumbs. Bake 1 hour at 350 degrees. Serves 8.

PEPPER STEAK

- | | |
|--------------------------|--|
| 3 cups cooked rice | 1 1/2 cups beef broth |
| 1 lb. lean beef round | 1 cup sliced green onions (tops, too) |
| 1 tablespoon paprika | 2 green peppers, cut in strips |
| 2 tablespoons butter | 1/4 cup each water and soy sauce |
| 2 cloves garlic, crushed | 2 large fresh tomatoes, cut in eighths |

While rice is cooking, pound steak to 1/4-inch thickness. Cut into 1/4-inch strips. Sprinkle meat with paprika and allow to stand while preparing other ingredients. Using a large skillet, brown meat in butter, add garlic and broth. Cover and simmer 30 minutes. Stir in onions and green peppers. Cover and cook 5 minutes. Blend 1 tablespoon cornstarch with water and soy sauce. Stir into meat mixture. Cook, stirring until clear and thickened (about 20 minutes). Add tomatoes and stir gently. Serve over rice to 6.

RICE & MEAT CASSEROLE

- | | |
|-----------------------------|-----------------------|
| 1 lb. ground beef | 3 to 6 cloves garlic |
| 3/4 cup chopped celery | 1 beef bouillon cube |
| 3/4 cup chopped onion | 1 cup raw rice |
| 3/4 cup chopped bell pepper | Salt and pepper |
| 1 can tomatoes | 1 can onion rings |
| 1 can tomato paste | Grated Cheddar cheese |
| 2 bay leaves | |

Cook rice in 2 cups water and bouillon cube. Brown meat with celery, onions and peppers. Add rice, tomatoes, tomato paste, 1 can water, bay leaves, garlic, salt and pepper to taste. Simmer. Add water when necessary. Place in baking dish, top with cheese. Heat in medium oven till bubbling stage. Add onion rings and brown.

EGGPLANT CASSEROLE

- | | |
|----------------------------|---------------------------------------|
| 1 medium to large eggplant | 1 can (#2 size) tomatoes |
| 1/2 cup oil | 1/2 pound mild cheddar cheese, grated |
| 2 medium onions | 1 cup buttered bread crumbs |
| 6 eggs | |

Peel and boil eggplant. Drain, mash and salt to taste. Saute onions in the oil. Mix with eggplant. Add eggs, cut up tomatoes and half the juice of tomatoes. Stir cheese into mixture and cook on top of stove until thick. Add bread crumbs (or cornbread) into mixture until thick as desired. Pour mixture into buttered casserole. Spread more bread crumbs on top. Bake at 350 degrees until brown.

BEETS ROYALE

- | | |
|---|----------------------|
| 1 #2 can pineapple chunks | 1 tablespoon vinegar |
| 2 tablespoons cornstarch | 3/4 teaspoon salt |
| 1 #3 can diced beets or can of very small beets | |

Blend cornstarch with 1/2 cup pineapple juice. Add beet juice and cook until thickened. Add vinegar, salt, and pineapple and beets. Heat thoroughly.

ONE HOUR ROLLS

- | | |
|---|----------------------------------|
| 2 cakes yeast | 1/2 cup melted shortening or oil |
| 1/4 cup warm water | 1 teaspoon salt |
| 1 1/2 cups buttermilk, heated to lukewarm | 4 1/2 cups flour |
| 1/4 cup sugar | 1/2 teaspoon soda |

Dissolve yeast in warm water. Combine buttermilk, sugar, melted shortening and salt. Sift flour and soda into large bowl. Mix yeast with milk and add to flour mixture. Mix well. Let stand 10 minutes, and roll out and cut in desired shape. Melt some butter in bottom of pan and place rolls in pan. Turn each roll over to butter top. Let stand 30 minutes and bake at 425 degrees for 10 to 12 minutes.

SOUR CREAM POUND CAKE

- | | |
|--------------------|----------------------------|
| 1/4 teaspoon soda | 2 cups sugar |
| 6 eggs, separated | 2 sticks whipped margarine |
| 1 teaspoon vanilla | 3 cups flour |
| 1 cup sugar | 1 cup sour cream |

Cream 2 cups sugar and margarine; add egg yolks that have been slightly beaten. Add sour cream and vanilla. Sift dry ingredients. Add to creamed mixture. Beat egg whites until stiff but not dry. Add 1 cup sugar to egg whites while beating. Fold into cake mixture very slowly. Bake in tube pan 1 hour at 300 degrees.

NO-FAIL PIE CRUST

SAVE time and MONEY by mixing this recipe and store in airtight container on cabinet shelf until needed but no longer than 6 weeks.

Sift 3 cups all-purpose flour and 1 teaspoon of salt together. Cut 1 cup shortening into flour until fat is the size of peas. For 1 crust, use 3/4 cup mixture combined with 3 tablespoons cold water. Roll out on floured board.

PRUNE CAKE

- | | |
|--------------------------------|--|
| 1 cup Wesson oil | 2 cups plain flour |
| 1 1/2 cups white sugar | 1 teaspoon soda |
| 1 cup buttermilk | 1 teaspoon salt |
| 3 eggs | 1/2 teaspoon each cinnamon, nutmeg, allspice |
| 1 cup prunes, cooked & chopped | |
| 1 cup broken nuts | |

Cream oil, sugar and buttermilk. Sift flour, soda, salt and spices together. If using mixer, use medium speed (or 1 bowl cake mix speed). Add flour mixture to oil mixture. Then add one egg at a time and blend. Blend in with spoon the prunes and nuts. Bake in greased and floured bundt pan at 350 degrees for 35-40 minutes. Remove from pan and spread this glaze on hot cake: Cook at low 7 minutes, stirring, 1/2 cup white sugar, 1/4 cup buttermilk, and 1/2 teaspoon soda. This burns easily.

APPLE DUMPLINGS

- | | |
|-----------------------------------|-----------------------|
| 2 cups sugar | 2 cups water |
| 1/4 teaspoon cloves | 1/4 teaspoon cinnamon |
| 1/2 cup margarine | 2 cups flour |
| 3/4 cup Crisco | 1 teaspoon salt |
| 2 teaspoons baking powder | 1/2 cup milk |
| 3 large or 5 small apples, grated | |

Mix together sugar, water, cloves and cinnamon in pan and bring to a boil. Boil exactly 5 minutes. Remove from heat, add margarine and let set while mixing dough. Mix flour, Crisco, salt, baking powder, and milk. Roll out 1/4 inch thick. Cover with apples and sprinkle with sugar and cinnamon. Make into roll and cut in one-inch slices. Pour syrup over dumplings and bake at 350 degrees until brown.

GERMAN PUDDING CAKE — Combine 1 pkg. yellow cake mix, 1 pkg. vanilla instant pudding mix, 1 (4-oz) pkg. German's sweet chocolate, melted, 4 eggs, 1 1/4 cups buttermilk and 1/4 cup oil in mixer bowl. Beat at medium speed 4 minutes. Pour into 3 greased and floured cake pans. Bake at 350 degrees 30 minutes. Cool, fill with Coconut-Pecan Sour Cream Filling: Combine 2 cups sour cream and 1/2 cup sugar. Add 2 2/3 cups angel flake coconut and 1 cup chopped pecans.



FREE With Every Order
Panthenol Shampoo Soap
 More Manageable hair for men & women

Now, thanks to an amazing scientific research discovery called PANTHENOL (vitamin B5), there is something NEW and possibly revolutionary for droopy and brittle hair. Unlike many hair products that merely coat the hair to soften it, PANTHENOL actually penetrates the hair shaft, so moisture is retained inside. This helps restore body, fill in damaged areas of brittle hair and thickens the hair to make it more manageable (and more beautiful)!

This offer expires Feb. 28, 1981



Bob Lee

If You and Your Family Take Vitamins
DON'T MISS MY BIG SALE!
VITAMINS BY MAIL FROM LEE NUTRITION

GUARANTEE
 We guarantee all products advertised to be of unsurpassed quality. Satisfaction guaranteed or prompt refund.

... This sensational event is being held for two reasons:—First, it's my way of saying "thank you" to my many, many loyal customers.

Second, it's my way of introducing Lee Nutrition to new vitamin, mineral users so they can discover how much they can save by ordering through the mail and with every order I'll send you a bar of my new Panthenol Shampoo Soap—FREE!

500 MG. BEE POLLEN tabs
 AMAZING CONTENT OF NATURAL LIFE—VITAL NUTRIENTS.
 WONDER FOOD OF THE BEE COLONY
 100 for 2.19 500 for 7.50

VITAMINS A & D (5000 A; 400 D) 100 TABLETS 500 for 1.95	Neutramins (ANTI-ACID) TABLETS 100 TABLETS 1.25 500 for 5.49	19 GR. 1200 MG. HI-POTENCY LECITHIN 100 CAPSULES 1.09 500 for 4.95
---	--	---

Herbal Diuretic
 100 Tablets **1.49**
 500 for 5.99

HI-POTENCY STRESS FORMULA
 High Potency B Complex & Vit. C
 250 TABS **3.89**
 100 for 1.95

SPECIAL OFFER from Bob Lee
400 UNIT VITAMIN E CAPSULES **E** **LIMIT ONE OF ANY SIZE TO A FAMILY**
 COMPARE ANYWHERE
 100 for 1.59 500 for 7.89
 1000 for 15.75 OFFER EXPIRES 2/28/81
 B512 MAIL COUPON WITH ORDER

FRUCTOSE
 2 gram tablets
 225 for **4.39**
 450 for 7.98

Granules
 8 OZ. **1.79**
 3 gram. Packets Box of 50 **1.29**

"KEY 4" Tabs
 KELP, VITAMIN B6, LECITHIN & CIDER VINEGAR
 Highest Quality—
 Only the low price is different
 100 for **79¢**
 500 for **2.99**

BONE MEAL TABLETS
 100 TABLETS **49¢**
 1000 for 3.69

ZINC
 10 MG. TABLETS
 100 TABLETS **37¢**
 1000 for 3.49

CHOLINE
 250 MG. TABLETS
 100 TABLETS **1.65**
 500 for 6.95

ALFALFA
 TABLETS
 100 TABLETS **38¢**
 500 for 1.55

DESICCATED LIVER
 TABLETS
 7½ Grain
 100 TABLETS **69¢**
 1000 for 3.50

COD LIVER OIL CAPS
 100 CAPSULES **88¢**
 500 for 3.99

BREWERS YEAST TABLETS 7½ GR. 250 TABLETS 79¢ 1000 for 1.99	VITAMIN A 25,000 UNITS 100 FOR 1.19 500 for 4.75	HIGH FIBER BRAN TABLETS 500 MG. 100 TABLETS 69¢ 500 for 2.99
---	---	--

"LEE NATURAL 12"
 Brewer's Yeast, Lecithin, Alfalfa, Kelp, Rose Hips, Whey, Papaya, Apple Pectin, Wheat Germ, Dolomite, Desiccated Liver, Bone Meal.
 A dozen Supplements in ONE tablet
 250 for 1.85
 500 for 2.98
 1,000 for 5.49

"B-15"
 ORIGINAL RUSSIAN FORMULA
 100 Tablet Bottle **6.95**
 3 Bottles for **18.50**

NATURAL VITAMIN C
 With Rose Hips Tablets
 AT FANTASTICALLY LOW PRICES

QUANTITY	100 MG	250 MG	500 MG	1000 MG
100	.69	.95	1.39	1.95
500	2.98	4.49	6.59	9.39
1000	5.49	7.99	12.49	17.95

KELP
 TABLETS
 100 TABLETS **35¢**
 1000 for 1.50

SUPER ORGANIC IRON TABS
 100 TABLETS **1.49**
 500 for 5.49

CHILDREN'S NATURAL CHEWABLE VITAMINS
 100 TABLETS **1.25**
 500 for 5.49

250 mg. CAPSULES THE MOST WANTED POTENCY
GINSENG 100 for 2.89
 500 for 12.95

Acidophilus CAPSULES
 100 CAPSULES **1.79**
 500 for 8.75

DOLomite & BONE MEAL
 The ideal combination
 100 Tablets **59¢**
 500 for 2.49

Therapeutic with Minerals
 — same potency and formula as Squibb's Theragra — M[®]
 100 Tablets **1.98**
 500 for 9.49

LOSE WEIGHT. GRAPEFRUIT DIET PILL
 Each Six Tablets Contain:
 Natural Grapefruit Extract ... 100 MG.
 Vitamin C ... 60 MG.
 Vitamin E ... 30 I.U.
 Phenylpropanolamine HCL ... 75 MG.
 Contains one of the strongest diet aids available without prescription. Includes modern, effective diet plan that lets you enjoy 3 delicious meals and snacks everyday as you lose weight.
 90 FOR **2.49** 500 FOR **9.85**

MULTI-MINERALS
 9 Vital Minerals
 100 Tablets **98¢**
 500 for \$4.50

Vitamin B12
 500 mcg
 100 Tablets **1.09**
 1000 for 7.99

Lysine
 312 mg
 100 Tablets **2.98**
 300 for 8.48

VITAMINS FOR HAIR CARE
 HIGHEST QUALITY—SAME FORMULA AS HIGH-PRICED NAME BRANDS
PENNIES-A-DAY PRICES
 100 DAY SUPPLY 3.75 200 DAY SUPPLY 6.98

"FORCE" 90 TABLETS
 Same formula as
"ZOOM" **8.95**
 3 Bottles for 23.50

Papaya Papain Digestant
 100 Tablets **65¢**
 500 for \$2.75

VITAMIN E
 Beauty Oil
 14,000 I.U.
 ½ fl oz—**\$1.49**

50 mcg Selenium
 TABLETS
 100 TABLETS **\$2.49**
 500 for \$9.95

VIT. B6
 50 MG.
 100 TABLETS **65¢**
 500 for 2.95

GARLIC OIL CAPSULES
 100 CAPSULES **79¢**
 500 for 3.19

DOLomite TABLETS
 100 TABLETS **43¢**
 1000 for 1.79

BALANCED 50 MG. B-COMPLEX
 HI-POTENCY "LEE-PLEX 50 MG."
 In 1 cap daily 50 mg. each of Vit B1, B2, B6, Niacinamide, Pantothenic Acid, Choline, Inositol, 30 mg. Para-Aminobenzoic Acid, 50 mcg. each of B12, d-Biotin, 100 mcg. Folic Acid.
 50 Caps **1.79** 100 Caps **2.69** 500 Caps **10.59**

VITAMIN E
 HIGHEST QUALITY CAPSULES
 MONEY BACK GUARANTEE

SIZE	100 I.U.	200 I.U.	400 I.U.	1,000 I.U.
100	89¢	1.59	2.76	5.79
500	4.39	7.77	13.59	28.45
1000	7.99	13.98	26.99	50.00

MAIL YOUR ORDER TO:
Lee Nutrition
 290 MAIN ST.
 CAMBRIDGE, MASS. 02142

Postpaid—
Money Back Guarantee

QUANTITY	SIZE	NAME OF PRODUCT	TOTAL PRICE

MASTER CARD and VISA accepted on orders over \$10.00. Give card number, expiration date and bank number if Master Card.

TOTAL ENCLOSED **B512**

If you check this box and mail your order before Feb. 28, 1981 we will include in your order a **PANTHENOL SHAMPOO SOAP FREE**

PRINT NAME _____
 ADDRESS _____ APT. _____
 CITY _____ STATE _____ ZIP _____

Grain cooperative wins clean-a-



Harvey Myers, manager of the Cooperative Grain Company's Stonington elevator, is shown with the Clean Air Award presented to the cooperative in recognition of its dust-control efforts. The cooperative was nominated for the award by state EPA officials. The award was given by the American Lung Association.

In 1977 Harvey Myers, manager of the Cooperative Grain Company's Stonington elevator was among the grain industry representatives who publicly criticized proposed federal Environmental Protection Agency (EPA) standards which would have required almost zero limits on dust at elevators.

A couple of months ago, he accepted a clean air award from the American Lung Association in recognition of antipollution measures taken by the company, which is served by Shelby Electric Cooperative. State EPA officials had recommended the cooperative for the award, one of only 11 given in Illinois.

Federal EPA officials had toured the plant in 1977 and, apparently as a result of seeing the impracticality of their original proposals, drew up more relaxed regulations and put them into effect. Then, the Stonington elevator, which had already installed some dust control equipment in 1971, '73 and '75, went to work to comply with the new regulations.

"They told us what needed to be done," Myers says, "but nobody forced us to do it. Still, we were about as shocked as anybody else to be nominated by the EPA for the award."

Trucks entering any of the three unloading sheds go through fast-operating bi-fold doors that close immediately behind them. These doors prevent drafts in the sheds and allow huge vacuum ducts in the unloading pits of pull away the dust and chaff.

"Before we put this system in" Myers says, "our workers would get really dirty unloading trucks, and there wasn't any way you could get away from the dust. Now, you can stand right next to the truck and not get a bit dirty."

The dust removal system also minimizes the chances of a dust explosion — an important factor in elevator operations.

"One of the big advantages is that cleanup is easier and faster, and therefore cheaper," Myers says, "and the people living in the area near the

LOW COST HEATER

Burns over 24 hrs. on low setting
No more middle-of-the-night stokings
Pays for itself in weeks
Engineered to prevent drum burn-out



Before you spend \$500 to \$600 on a wood heater, try the Sotz Heater Kit for under \$60... **at our risk.** If (within one year) you don't agree it outperforms any wood heater money can buy, or (within 10 years) if the kit cracks, warps, or burns up, your money will be refunded, including shipping charges.

Kit converts a 55 gallon drum (not supplied) into a high capacity wood burner. Features large 11 3/4" square door opening, cam-lock door catch, and spark-proof design. Patented internal draft channel, draft control, and airtight design allow controlled, efficient heat, while limiting metal temperatures of barrel, to prevent burn-up. Use of draft control allows you to heat large or small areas. Basement installation heats your entire home. Great for your garage, workshop, or cabin. Top drum squeezes 60% more BTU's from heat normally lost up the chimney. Heavy steel kit bolts together quick and easy.

Thousands in use by U.S. Army, Navy, Depts of Nat. Resources, Agriculture, Federal, state and local government agencies. Assembled heater tested to U.L. specs. Member BBB.

Price delivered to your door. Bottom Kit **\$38.95**
Top Kit **\$20.95**. Master card - Visa welcomed

Free info about 15-30 gal. drum kits, heating water, drying wood, fireplace to wood stove and much, much more.

OUR 24th YEAR

Sotz Corporation, 13668 Station Rd., Columbia Station, OH 44028

ward

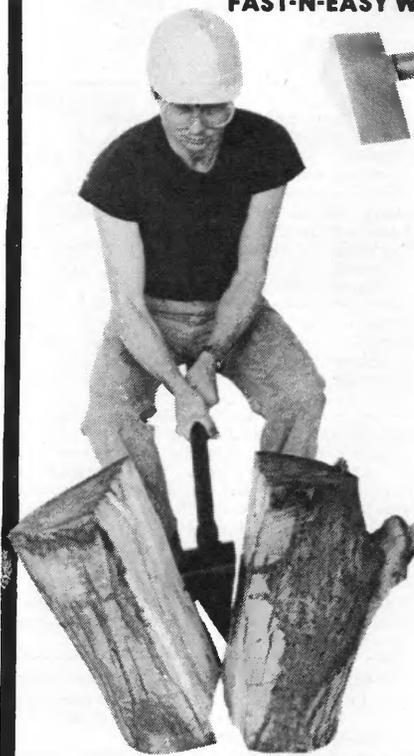
working conditions are better for our employees, too."

There are also disadvantages to the system. "One problem is that you buy the grain with the dust and chaff in it and sell it without them, so it costs you," Myers says. "Still, there is a market for it. The protein level's pretty good and it's used in feeds and dog foods. But we don't get as much for it as it costs us. We remove several trailer loads of it from the dust collection system every year," he adds.

"Aside from the \$225,000 in installation costs, maintenance is fairly expensive and so is operation," Myers notes, adding, "We have various electric motors totaling 180 horsepower that we have to buy electricity for, just for dust removal. Still, the improved safety and working conditions, and the award we received, make it a good investment."

MONSTER MAUL

FAST-N-EASY WOOD SPLITTING



- Splits most logs in one lick—won't stick.
- No struggling lifting heavy logs up to high priced power splitters.
- Drop 'em, saw 'em, stand 'em up, and split 'em!
- Forget about lost, stuck, or flying wedges.
- No gasoline, no set-up, no take-down.
- No wooden handles to replace.
- No gimmicks. Just simple physics!

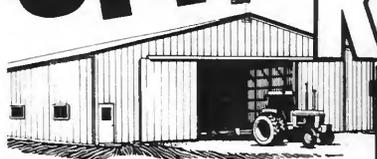
We at Sotz have been making the same quiet offer for years: Try a Monster Maul at our risk! Within one year, if you don't think it's the fastest, least tiring method of splitting firewood, let us know, and we will give you your money back, including shipping...Plus, it's guaranteed against failure for 10 years.

SPECIFICATIONS

Weight: Head—12 lb. (Total weight 15 lb.)
 Construction: High-carbon steel head, hardened edge. All-steel handle.
 Guarantee: 1-YEAR TRIAL OFFER + 10 years against failure
 Price: **\$24.98**, delivered to your door.

Sotz Corporation, 13668 Station Rd., Columbia Station, OH 44028

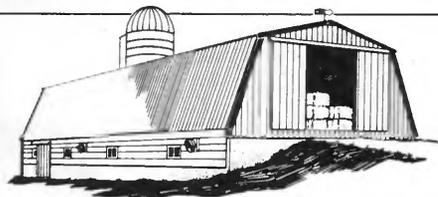
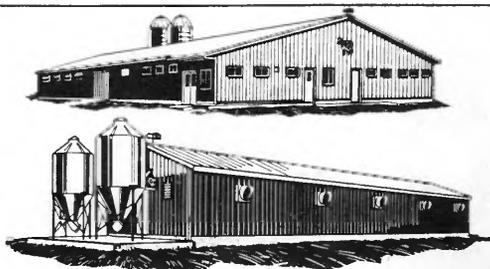
Opportunity knocks twice



Get
1978 PRICES during the Wick Winter Discount.

A Wick building—a fine investment as priced in 1978; a tremendous value in 1981 at '78 prices!

This second (and final) opportunity lets you select the Wick building which will best suit your farm or commercial needs. Specify erection during January, February or March '81 and we'll roll back the prices. Along with built-to-last strength, your new Wick building will contain all the design improvements made since 1978.



Wick Buildings®
A product of Wick Building Systems, Inc.

For the maximum discount, call us today. Phone: (217) 347-5850

TRADING POST

Miscellaneous

Used and new restaurant and concession equipment. Ice machines, grills, fryers, sinks, poppers, ice cream machines, etc. Erio Sales, 2615 So. 1st., Springfield (217) 522-3934.

HERBS — Your one stop herb center. Teas, books, seeds, medicinal, minerals, vitamins, "Herbs For Everything" Catalog only \$1.00 (refundable). Saint Jude Herb Center, Box 653-N Huntington Station, NY 11746.

WROK CLOTHES by Oshkosh. Send for free catalogue of Men's and Boys quality clothing. Strauss', Since 1863 N, 100 George Street, Alton, IL 62002

WHY DIE WITHOUT A WILL? Two Blank "Will Forms" and East Instructions. Only \$3. Order Today!! Guaranteed! TYPICO, Box 752, Dept. 2, Pryor, OK 74361

SALT GIVING YOU TROUBLE? Information recipes and menus Low Sodium Nutrition \$2 SASE C-2 Cloverleaf Enterprises, Box 13304, 3120 Preston, Louisville, Ky. 40213.

Used meat saws, slicers, grinders, tenderizers and other butchering equipment. 2615 South 1st., Springfield, Ill. Phone (217) 522-3934.

FREE: Five Free Chicks with any size order to new customers. 25 chicks as low as \$6.95; 50 for \$8.95; 100 for \$13.95. All good healthy chicks mixed together as available. No guarantee as to sex and breed. Also hatching 50,000 chicks weekly — now until October 15. White and Brown Leghorns, White and Barred Rock, Buff Orpington, Reds, Anconas and many others, including 5,000 Bantams and 25 varieties of State Fair Winning exotic breeds (some lay colored Easter Eggs). Send for FREE catalog. Low Prices. Remember, Five Free Chicks with your order. 100 1/2 live arrival to all 50 states. Clinton Hatchery, Inc., Box 548-R16, Clinton, Missouri 64735. Telephone 816 885-8500.

WINCO STANDBY GENERATORS
In stock PTO units and Automatic Standby Units. Brochure available. For information call: Tom Bauer, R. R. 2, Gillespie 62033 (618) 362-6441

Wanted: New Holland bale wagons, Heston 30 A Stockwagon, Sidewinder tillers, Lely Rotaroos. Price, Describe. Aif Roeder, Seneca, Kansas 66538.

TRENCHERS
New and Used — \$750 and up
OZARK TRENCHER SALES
107 Troy Road, Collinsville,
Ill. 62234. Phone 618 345-6262

FOR SALE Ashley wood stoves from a long time reliable dealer. Send 25 cents for brochure to Treva Durbin, R. R. 2, Ramsey, IL 62080 or call 618 423-2667 open on weekends if you call.

Many Breeds Fancy Bantams, Rare and Old-Fashioned Baby Chicks, Ducks, Turkeys, Guineas, Geese. Informative, Pictured Brochure 50 cents, Country Hatchery, Wewoka, Oklahoma 74884

Auto Title problems: One-Day license service. Also help with state agency problems. Illinois Title Service, Box 1117, Springfield, IL 62705 PH: 217-525-4827 Day or Night.

WALLCOVERINGS — SAVE HALF!
1981-82 Catalog, Regular wallpapers \$1.45 — \$1.85 single roll. 50 samples, 98 Selections including prepaste, strippables, vinyls, flocks. Send 25 cents. MUTUAL WALLPAPER, Dept. 62, 812 West Main, Louisville, Kentucky 40202.

ASHLEY WOOD BURNING STOVES
Automatic thermostats, Blowers, Ash pans. Favorite since 1905. Timber Campground, Cambridge, IL 309-837-2314.

"WILL HELP SOLVE PROBLEMS WITH STATE AGENCIES." Ten years experience. Write Bob Campbell, P. O. Box 2268, Springfield, IL 62705

BABY CHICKS — Available in March. Free price list on eight breeds. Shephard Hatchery, Route 1, Dept. IRE, Cannelton, Ind. 47520

HEAVY ASSORTED \$15.95 — 100. PULLETS \$28.95. GUARANTEED SAVINGS — FREE CATALOG. ATLAS CHICKS, 2651 CHOUTEAU, ST. LOUIS, MISSOURI 63103.

START YOUR OWN GAS WAR. Alcohol Fuel 40 cents Gallon. Tested and proven alcohol fuel distilling equipment. Dealerships available. Call 913-341-8333 or write International Fuels, Box 7232 — J Overland Park, Kansas 66207 (include phone number)

CLEARANCE SALE — New Winpower alternators, 30 percent off list. From 15 KW to 50 KW. Single-phase and three-phase machines in stock. Five-year warranty. Leasing available. Ken Heim Sales (217) 787-6340

New Holland Bale Wagons: 1034, used 2,000 bales, like new \$7,500. 1047 self-propelled good \$8,900. 1030 low agreage \$4,000. 1010 \$2,600. Roeder Impl. Seneca, Kansas 913-336-2800.

Of Interest to Women

HYMNS — play by ear. Add chords. New book — piano, organ. Anyone can learn \$5.98. Davidsons, 6727 RI Metcalf, Shawnee Mission, Kansas 66204.

SAUSAGE MAKERS, GREAT! GERMAN RECIPES, NO NITRATES! Frankfurters, Summer, Bologna, Headcheese, Venison & Porksausage! \$1.00 Hamiltons, Box 652-41 New Ulm, Minn. 56073.

NOW! FARM MEAT CUTTING GUIDE! Get quality cuts! Both beef, pork! Completely illustrated! \$1.00 Hamilton's Box 652-41, New Ulm, Minn. 56073

NOW! FROZEN TOMATO SLICES! Enjoy garden fresh flavor, year around! Complete, easy, instructions. \$1.00 Hamiltons, Box 652-41, New Ulm, Minn. 56073.

COLDWATER DILLPICKLES! Can in minutes! No hot brine. Delicious, Crisp. Factory Secrets! Recipe \$1.00 Hamiltons, Box 652-41, New Ulm, MN. 56073.

Auction Schools

"REISCH WORLD WIDE COLLEGE OF AUCTIONEERING, INC. World Largest — 46 years. Term soon. Free catalog. Approved for VA. Modern Auction Library "FREE" with enrollment, 515-423-5242. Col. Gordon E. Taylor; P. O. Box 949, Dept. C; Mason City, Iowa 50401.

Farms, Real Estate

BIG...FREE...SPRING CATALOG! Over 2,800 top values in FARMS, RANCHES, AGREAGES, RECREATIONAL PROPERTIES, BUSINESSES, TOWN and COUNTRY HOMES coast to coast! UNITED FARM AGENCY, 2012-RN Tribune Tower, 435 North Michigan, Chicago, Ill. 60611.

Farm Machinery, Equipment

1170 Case, cab, duals, new motor overhaul \$9,500. 1975 Case 1370 cab, dir, duals excellent. \$13,450. 1973 Case 1175 duals excellent \$7,800. 1973 John Deere 4430 roll guard (no cab) \$11,200. 1968 J.D. 5020 duals \$7,100. 1967 J.D. 4020 \$6,700. 1975 Ford 9600 cab, air, duals, excellent \$11,200. 1969 Farmall 856 \$6,600. 1971 Farmall 1456 duals, excellent \$8,00. Above tractors all diesel, W.F., 3 pt., P.T.O. field ready. Roeder Impl. Seneca, Kansas 913-336-2800.

ORDER FORM

Illinois Rural Electric News
P.O. Box 3787
Springfield, Illinois 62708

Please enter my name as a subscriber to IREN magazine. I am enclosing \$2 for each one-year subscription.

name _____

address _____

zip _____



buy a
subscription
to the IREN
for a friend!



XXXXXXXX XX XXXXXXXXXXXXXXXXXXXX XXXXXX XXXX XXXX
 XXX XX XXXXX XX
 XXXXX XXXXX XX XX XX XXXX XXXX XXXX XXXX
 XX
 XXXX XX XXX XXXX XXXX XXXX XXXX XXXX XXXX

No. 9077 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) top, pants 3 1/8 yards 60-inch fabric.
 No. 9013 is cut in Women's sizes 34, 36, 38, 40, 42, 44, 46, 48, 50. See pattern for yardages.
 No. 9345 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½. Size 14½ (bust 37) takes 2 7/8 yards 45-inch fabric.
 No. 9425 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 2 3/4 yards 60-inch fabric.
 No. 9253 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 3 yards 60-inch fabric.
 No. 9134 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) jacket 2 3/8 yards 45-inch; pants 2½.
 No. 9098 is cut in sizes 10½, 12½, 14½, 26½, 18½, 20½. Size 14½ (bust 37) takes 1 7/8 yards 60-inch fabric.
 No. 9060 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 2 7/8 yards 45-inch fabric.
 No. 9375 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½. Size 14½ (bust 37) takes 2 7/8 yards 45-inch.
 No. 9000 is cut in Children's sizes 2, 4, 6, 8. Size 6 takes 1¼ yards 45-inch fabric.
 No. 9427 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½. Size 14½ (bust 37) takes 2 5/8 yards 60-inch fabric.
 No. 9481 is cut in Women's sizes 34, 36, 38, 40, 42, 44, 46, 48. Yardages in pattern.

TO: PATTERNS
 Illinois Rural Electric News
 P.O. Box 3787
 Springfield, IL 62708

I have enclosed \$_____ (\$1.75 per pattern — cash, check or money order accepted) for the following patterns:

Pattern No.	Size	Pattern No.	Size
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Print Name _____
 Address _____
 City _____
 State _____ Zip _____

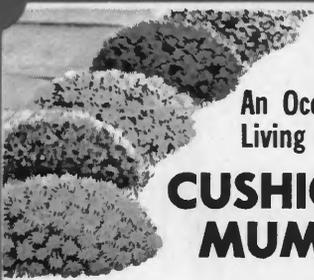
FREE!

AT NO EXTRA COST
See coupon for bonus items
you get with your order!

Your Garden Bursting With Color . . . **THIS VERY SEASON!**

FINAL MONEY-SAVING

OFFERS for Spring Planting!



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. 20 for only \$3.85, guaranteed to bloom this season.



HANGING STRAWBERRY BASKET — \$2.98

All-in-one . . . lustrous rich green foliage, delicate white blossoms, light red berries. You get 3 hardy, everbearing trailing strawberry plants, (*Fragaria chiloensis*, Kobe # 1). Complete with hanging basket!

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

CROWN VETCH — 6 for \$1.99

Transforms slopes, banks, troublesome weedy areas into a dense mat of lacy green foliage drenched with delicate pink and white blooms. Coronnella variety—hardy, maintenance free, disease and drought resistant. Blooms June til frost.



CREeping SEDUM

(Dragon's Blood)

8 for only \$2.98

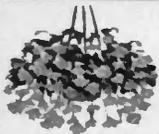
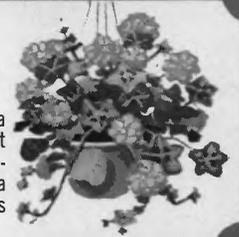
Spreads rapidly in sun or shade, erupts in masses of fiery-red blooms mid-summer to September. Hardy, Michigan nursery grown. Plant 6-12" apart for fast spreading in rock gardens, shady areas, or "trouble spots" where grass won't grow.



Trailing Ivy-Leafed GERANIUM — \$1.98

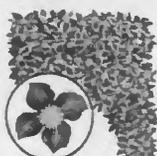
COMPLETE WITH HANGING BASKET

Transforms room, porch, or patio into a flowery haven. Already growing in 2" peat pots, these extra-double Geraniums tumble down and around the basket in a profusion of startling pink-reddish blooms on glistening ivy-leaved foliage.



BEGONIA BASKET — \$2.98

(Genuine Imported Belgium *Pendula Begonia*) Gay showpiece! Masses of intensely brilliant red-pink blooms cascade down in a rolling shower of gorgeous color! Complete with hanging basket.



CLEMATIS VINE — \$2.98

Sturdy, rapidly climbing vine explodes into thousands of clusters of lovely purple blooms mid-summer to frost. Jackmani variety in 2 1/2" pot.

CREeping PHLOX

12 for \$2.98

Hardy, Michigan nursery grown (*Phlox subulata*), flowers freely with clusters of colorful blooms. Ideal for rock gardens, bare spots.



GLADIOLUS

40 for \$1.98

Another tremendous bargain! Medium size Glads, 2 1/2-3" circ., all ready to burst into bloom this season in a dazzling display of mixed colors.

FAMOUS "NO FAULT" GUARANTEE—Send Today!

Send today for these amazing money-saving offers for spring planting. Each item we ship is 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). Not available in stores, you must order by mail for these low, low prices. Clip the coupon and mail today!

SPRING PLANTING GUIDE WITH EVERY ORDER

MICHIGAN BULB COMPANY

1950 Waldorf, Grand Rapids, Mich. 49550

---MAIL THIS MONEY-SAVING ORDER BLANK---

MICHIGAN BULB CO., DEPT. PM-144
1950 Waldorf, Grand Rapids, Mich. 49550

Please send order as marked below. Include all FREE bonus items to which I am entitled. All items are covered by your NO FAULT GUARANTEE.

PRINT NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

HOW MANY	CAT. NO.	ITEM	COST
	200	Cushion Mums (10 for \$1.98-20 for \$3.85)	
	727	Hanging Strawberry Basket, \$2.98 (2 for \$5.75)	
	208	Crownvetch (6 for \$1.99 - 12 for \$3.85)	
	100	Gladiolus (40 for \$1.98 - 80 for \$3.85)	
	205	Creeping Sedum (8 for \$2.98 - 16 for \$5.75)	
	507	Ivy-Leafed Geranium, \$1.98 (2 for \$3.85)	
	591	Trailing Begonia, \$2.98 (2 for \$5.75)	
	224	Clematis Vine, \$2.98 (2 for \$5.75)	
	204	Creeping Phlox (12 for \$2.98 - 24 for \$5.75)	
1	FREE	Giant Hibiscus if order mailed by April 25	0.00
6	FREE	Peacock Orchids if order totals \$5.00	0.00
6	FREE	Anemones (plus 6 Peacock Orchids) if order totals \$8.00	0.00
12	FREE	Oxalis (plus 6 Anemones and 6 Peacock Orchids) if order totals \$12.00	0.00

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 \$ _____

Visa Master Charge American Ex. CARD # _____

Exp. Date _____