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September 1984

Illinois Rural Electric News

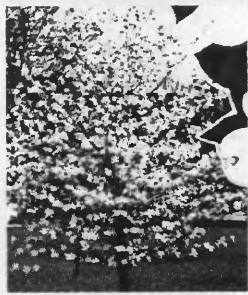
NURSERY STOCK SALE (ORDER BY MAIL) SAVE UP TO 30% FROM CATALOGUE PRICES

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

Notice: Orders of \$30.00 or more - take 10% discount off price of order. Does not apply to \$2.50 postage and handling charge.



RED MAPLE (*Acer Rubrum* 4-5 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 practically grow anywhere in the U.S.A. Grows up to 60 ft.
1 Tree ... 1.25 10 Trees ... 12.00



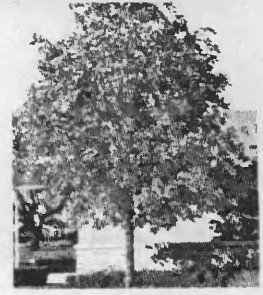
WHITE DOGWOOD (4-5 ft.)
Large white, single blossoms are conspicuous early in spring. The foliage is attractive all summer, and the tall colorful Red berries hang on most of the winter. Use as a specimen or in groups as a background for borders. Grows up to 30 ft. high.
1 tree ... 1.99 10 trees ... 15.00



TULIP TREE (4-5 ft.)
A large growing, hardy tree reaching heights at 80 feet or more. Its bright yellow leaves in the fall have tulip shaped flowers in the spring. Rapid grower.
1 Tree ... 1.25 10 Trees ... 12.00



WHITE BIRCH (4-5 ft.)
Many people know this eye catching native tree as White Birch or Canoe Birch. The white bark and clear yellow leaves in the fall provide showy colors. Height 60 feet, spread 30 feet.
1 Tree ... 1.75 10 Trees ... 15.00



SUGAR MAPLE (4-5 ft.)
The largest of all maples, 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 - will grow up to 60 feet.
1 Tree ... 1.25 10 Trees ... 12.00

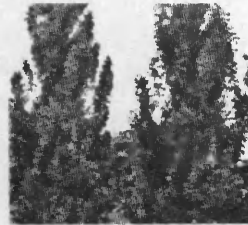


GREEN WEEPING WILLOW
4-5 ft. 1.25 ea. 10 for 12.00
This common Weeping Willow makes a large lacy tree with long branches weeping to the ground. Good for planting near water or as a planting accent alone or in groups of two or three in moist locations. Ultimate height 40 feet.

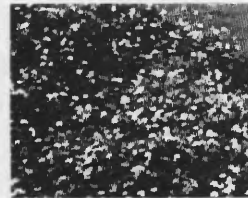
FLOWERING SHRUBS
1-2 Years Old
Crepe Myrtle, Red, Pink, 1 ft. .90 ea.
Spiraea Van Houttei, 1-2 ft. .125 ea.
Weigela, Red, 1-2 ft. .95 ea.
Forsythia Yellow .45 ea.
Bush Honeysuckle, Red, 1 ft. .75 ea.
Red Flowering Quince, 1-2 ft. .95 ea.
Persian Lilac, Purple, 1-2 ft. .95 ea.
Old Fashion Lilac, 1-2 ft. .95 ea.
Hydrangea P.G., 1-2 ft. .75 ea.
Mockorange, White, 1-2 ft. .60 ea.
Pussy Willow, 1-2 ft. .75 ea.
Red Barberry, 1-2 ft. .75 ea.
Jap. Snowball, 1-2 ft. .95 ea.
Butterfly Bush, Purple, 1-2 ft. 1.25 ea.
Azalea, White, Purple, Red or Pink 1/2-1 ft. .90 ea.

SHADE TREES - 1-2 Years Old
Scarlet Oak, 3-5 ft. .298 ea.
Ginkgo Tree, 3-4 ft. .398 ea.
Pin Oak, 3-5 ft. .295 ea.
Sweet Gum, 4-5 ft. 1.25 ea.
Crimson King Maple, 3-5 ft. .995 ea.
Persimmon, 1-2 ft. .95 ea.
Dawns Redwood, 1-2 ft. .395 ea.
Jap. Red Leaf Maple, 1 ft. .395 ea.
Hybrid Poplar, 3-5 ft. 1.75 ea.

BERRY PLANTS Etc. - 1-2 Yrs. Old
Blackberry, Thornless .175 ea.
Black Raspberry, 1 ft. .50 ea.
Red Everbearing Raspberry, 1 ft. .50 ea.
Dawberry, 1 ft. .95 ea.
Boysenberry, 1 ft. .95 ea.
Gooseberry, 1 ft. .175 ea.
Figs, 1-2 ft. .298 ea.
Candied Grape, 1 ft. .90 ea.
Fredonia Grape, 1 ft. .90 ea.
Niagara Grape, 1 ft. .90 ea.
10 Rhubarb, 1 yr. Roots .195
25 Strawberry, Blakemore or Tenn. Beauty .295
25 Gen Everbearing Strawberry 2.95
25 South Privet, 1-2 ft. .695
25 North Privet, 1-2 ft. .695
20 Multiflora Rose, 1-2 ft. 4.98
10 Asparagus, 1 yr. roots .175
10 English Ivy, 4-8 in. .300



LOMBARDY POPLAR
3-5 ft.79 ea.
10 for 7.50 100 for 70.00
Suitable as a background, along driveways, screening off outbuildings and other unsightly objects.



CROWNVETCH
20 for 2.98 100 for 14.00
Popular perennial ground cover that beautifies problem slopes and banks. Needs no maintenance or mowing. Thrives in any climate, in sun or semishade. Winter hardy, it provides effective erosion control, actually improves soil.

DELIVERY DATE
Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, New Mexico, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia.
SPRING: January 15 - May 1
FALL: October 1 - December 1
ALL OTHER STATES
SPRING: March 1 - May 1
FALL: Sept. 25 - December 1

STANDARD FRUIT TREES
1-2 Years Old

Elberta Peach, 3-5 ft. .275 ea.
Belle of Ga. Peach, 3-5 ft. .275 ea.
J. H. Hale Peach, 3-5 ft. .275 ea.
Hale Haven Peach, 3-5 ft. .275 ea.
Dixie Red Peach, 3-5 ft. .275 ea.
Golden Jubilee Peach, 3-5 ft. .275 ea.
Red Haven Peach, 3-5 ft. .275 ea.
Champion Peach, 3-5 ft. .275 ea.
Loring Peach, 3-5 ft. .275 ea.
Stayman Winesap Apl., 3-5 ft. 2.98 ea.
Red Delicious Apple, 3-5 ft. .298 ea.
Red Rame Apple, 3-5 ft. .298 ea.
Red Jonathan Apple, 3-5 ft. .298 ea.
Early McIntosh Apple, 3-5 ft. 2.98 ea.
Red June Apple, 3-5 ft. .298 ea.
Arkansas Black Apple, 3-5 ft. 3.98 ea.
Early Harvest Apple, 3-5 ft. .298 ea.
Lodi Apple, 3-5 ft. .298 ea.
Grimes Golden Apple, 3-5 ft. 2.98 ea.
Mutsu Apple, 3-5 ft. .298 ea.
Granny Smith Apple, 3-5 ft. .398 ea.
Yellow Trans. Apple, 3-5 ft. .298 ea.
Montmorency Chy., 2 1/2-4 ft. 5.98 ea.
Black Tartarian Chy., 2 1/2-4 ft. 5.98 ea.
Early Richmond Chy., 2 1/2-4 ft. 5.98 ea.
Bing Cherry, 2 1/2-4 ft. 5.98 ea.
Governor Wood Chy., 2 1/2-4 ft. 5.98 ea.
Kieffer Pear, 3-5 ft. .498 ea.
Orient Pear, 3-5 ft. .498 ea.
Bartlett Pear, 3-5 ft. .498 ea.
Moonglow Pear, 3-5 ft. .498 ea.
Maepark Apricot, 2 1/2-4 ft. .298 ea.
Early Golden Apricot, 2 1/2-4 ft. 2.98 ea.
Sure Crop Nectarine, 2 1/2-4 ft. 2.98 ea.
Garden State Nect., 2 1/2-4 ft. 2.98 ea.
Damon Plum, 3-5 ft. .375 ea.
Methley Plum, 3-5 ft. .275 ea.
Red June Plum, 3-5 ft. .275 ea.
Santa Rosa Plum, 3-5 ft. .275 ea.
Burbank Plum, 3-5 ft. .275 ea.
Stanley Prune Plum, 3-5 ft. .375 ea.

DWARF FRUIT TREES - 1-2 Yrs. Old

Dwf. Elberta Peach, 2 1/2-4 ft. .298 ea.
Dwf. Belle of Ga. Peach, 2 1/2-4 ft. 2.98 ea.
Dwf. J. H. Hale Peach, 2 1/2-4 ft. 2.98 ea.
Dwf. Hale Haven Peach, 2 1/2-4 ft. 2.98 ea.
Dwf. Dixie Red Peach, 2 1/2-4 ft. 2.98 ea.
Dwf. Golden Jub. Ph., 2 1/2-4 ft. 2.98 ea.
Dwf. Red Haven Peach, 2 1/2-4 ft. 2.98 ea.
Dwf. Champion Peach, 2 1/2-4 ft. 2.98 ea.
Dwf. Loring Peach, 2 1/2-4 ft. .298 ea.

DWARF FRUIT TREES Continued

Dwf. Stayman Winesap, 2 1/2-4 ft. 2.98 ea.
Dwf. Red Del. Apple, 2 1/2-4 ft. 2.98 ea.
Dwf. Red Rame Apple, 2 1/2-4 ft. 2.98 ea.
Dwf. Red Jonathan, 2 1/2-4 ft. .298 ea.
Dwf. Early McIntosh, 2 1/2-4 ft. 2.98 ea.
Dwf. Red June Apple, 2 1/2-4 ft. 2.98 ea.
Dwf. Early Harvest, 2 1/2-4 ft. .298 ea.
Dwf. Lodi Apple, 2 1/2-4 ft. .298 ea.
Dwf. Grimes Golden, 2 1/2-4 ft. 2.98 ea.
Dwf. Yellow Del. Apl., 2 1/2-4 ft. 2.98 ea.
Dwf. Granny Smith, 2 1/2-4 ft. .449 ea.
Dwf. Yellow Trans., 2 1/2-4 ft. .298 ea.
Dwf. North Star Chy., 2 1/2-4 ft. 6.49 ea.
Dwf. Montmorency Chy., 2 1/2-4 ft. 6.49 ea.
Dwf. Bartlett Pear, 2 1/2-4 ft. .598 ea.
Dwf. Kieffer Pear, 2 1/2-4 ft. .298 ea.
Dwf. Burbank Plum, 2 1/2-4 ft. .298 ea.
Dwf. Methley Plum, 2 1/2-4 ft. .298 ea.
Dwf. Red June Plum, 2 1/2-4 ft. .298 ea.

EVERGREENS - 1-2 Years Old

*White Pine, 1 ft. .60 ea.
Blue Rug, 4-6 inches .145 ea.
Wax Leaf Ligustrum, 1/2-1 ft. .45 ea.
Calarada Blue Spruce, 1/2-1 ft. .75 ea.
*Canadian Hemlock, 1-2 ft. .75 ea.
Andara Juniper, 1/2-1 ft. .95 ea.

NUT TREES - 1-2 Years Old

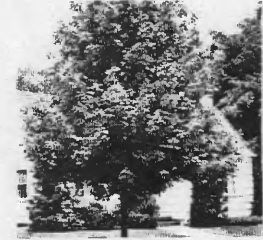
American Hazel Nut, 3-5 ft. 2.95 ea.
European Hazel Nut, 3-5 ft. 2.95 ea.
Butternut, 3-4 ft. .395 ea.
Chinese Chestnut, 3-5 ft. .295 ea.
Hardy Pecan Seedlings, 1-2 ft. 1.50 ea.
Shurt Pecan, Papershell, 2-3 ft. 7.95 ea.
Black Walnut, 3-5 ft. .345 ea.
English Walnut, 2-3 ft. .795 ea.
Hall's Hardy Almonds, 3-5 ft. 4.98 ea.

FLOWERING TREES - 1-2 Yrs. Old

Magnolia Grandiflora, 1/2-1 ft. 1.45 ea.
Mimosa, Pink, 4-5 ft. .125 ea.
Pink Flow. Dogwood, 2 ft. .695 ea.
Golden Rain Tree, 3-4 ft. .295 ea.
Dbl. Pink Flow. Cherry, 3-5 ft. 5.95 ea.
Flaw. Crab, Red, 3-5 ft. .298 ea.
Magnolia Soulangiana, 1-2 ft. 2.95 ea.
European Mt. Ash, 3-4 ft. .395 ea.
Red Flaw. Dogwood, 2 ft. .695 ea.



AMERICAN REDBUD
4-5 ft. 1.25 ea. 10 for 12.00
The Redbud is often used as a specimen or to provide a high point in a shrub border. Branches are covered with small, pea-like, purplish pink blossoms before the foliage comes out in spring. Ultimate height 15 feet.



SILVER MAPLE
4-5 ft. 1.00 ea. 10 for 9.00
A very fast growing, soft wooded tree reaching a height of 50 to 60 feet. Leaves deeply cut and very attractive, being a silvery white underneath.



BURNING BUSH
1/2-1 ft.65 ea. 10 for 6.00
20 for 11.00 100 for 50.00
In the fall leaves turn a brilliant mirror bright crimson. A 4-5 ft. showpiece with unusual corky bark. Hardy in sun or partial shade.

SEMI-DWARF APPLES

We offer you eight of the most popular varieties of Semi-Dwarf Apples. They are the most productive tree and grow 12 to 15 feet tall. They give you more fruit per limb, more fruit per tree.
S.D. Red Delicious, 3-5 ft. .375 ea.
S.D. Stayman Winesap, 3-5 ft. 3.75 ea.
S.D. Jonathan, 3-5 ft. .375 ea.
S.D. Red Rome Beauty, 3-5 ft. 3.75 ea.
S.D. Golden Nugget, 3-5 ft. .375 ea.
S.D. Golden Delicious, 3-5 ft. .375 ea.
S.D. Grimes Golden, 3-5 ft. .375 ea.
S.D. Lodi, 3-5 ft. .375 ea.

Our plants are nursery grown from cuttings, seeds or budded stock unless otherwise stated. These have never been transplanted. Those marked with (*) asterisks mean they 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 \$2.50 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.

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S. 1300 entitled to Senate debate and vote

As of the early part of this month, the U.S. Senate still had not taken floor action on legislation designed to bolster the rural electrification program. What happens to this bill, supported by rural electric cooperatives across the country, will have a marked effect on your electric and telephone costs and quality of future service.

In brief, the bill is intended to keep in balance interest income and interest expense in the Rural Electrification Administration Revolving Fund. It would result in a slight increase in the interest rates cooperatives pay for future loans, but would also keep the Revolving Fund solvent. Cooperatives borrow from the Revolving Fund in order to continue making investment in system improvements. Without the Fund, they would be hard put to find private market money, even at much higher interest rates.

Representatives and Senators of both parties support the bill. The U.S. House passed the legislation by a margin of more than 2½-to-1. The Senate version has 47 sponsors among the 100 Senators and 53 Senators have signed a letter to the Senate leadership urging a vote on the bill, known as S. 1300.

Yet the important legislation remains stalled under White House pressure while the rural electrification program is drawing not completely unexpected, but terribly inaccurate attacks. Not only are some of these attacks coming from columnists and commentators relying on White House misinformation, but also from the United States Chamber of Commerce.

The opposition from the Chamber has caused some ripples. At least two state chamber groups have disavowed or strongly criticized the national organization's anti-rural electrification stance and its offensive to discredit the program and prevent S. 1300 from getting Senate approval.

The Kansas and Virginia Chambers of Commerce

expressed concern that neither state group had reviewed or considered the issue and had taken no official position. The president of the Kansas chamber wrote to his state's Senators:

"The rural electric cooperatives are vital components of the economy of rural Kansas. We are concerned that the U.S. Chamber's position on S. 1300 as expressed before Congress and more recently in the national media may drive a wedge between rural and urban business communities, permanently damaging the mutual cooperation developed through years of close, frequent communication. These policies are not in the best interest of thousands of Kansas merchants, businessmen, farmers, ranchers and industrialists who rely on rural electric cooperatives for their primary source of energy."

The U.S. Chamber's opposition to the legislation surely has nothing to do with the electric and telephone cooperatives' contributions to the economy. The REA, basing its findings on information from a survey by President Reagan's Private Sector Initiatives and Voluntarism Program, recently reported that more than 64,000 new jobs were created in 1983 as direct and indirect results of assistance by REA borrowers. Areas such as agriculture, forestry, recreation, housing, community and health facilities and various commercial enterprises were helped by the job creations.

All of those jobs were not limited to rural America. The benefits of quality and affordable rural electric and telephone service do have a strong impact on rural areas, as they were meant to do. But they also mean much to the adjacent economy.

It will be a disservice if this grass roots legislation that so resoundingly passed the House is not allowed to reach the Senate floor for a fair shake.

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Interest and capital

High cost of money and adequate supply of funds concern cooperatives

Continued high interest costs and threats to availability of adequate sources of capital to finance future improvements in rural electric service were major concerns expressed during the 43rd annual meeting of the Association of Illinois Electric Cooperatives held during August in Springfield. More than 400 representatives of electric cooperatives serving in Illinois attended.

U. S. Sen. Alan J. Dixon was warmly welcomed to the opening session of the AIEC annual meeting where he received the Illinois Electric Cooperative Public Service Award for his contributions to the rural electrification program, both as a U. S. Senator and as a member of the Illinois General Assembly. Dixon is a cosponsor of legislation which will strengthen the Rural Electrification Administration (REA) loan programs on which electric cooperatives depend for funds for capital improvements.

The legislation, known as the Rural

Electrification and Telephone Revolving Fund Self-Sufficiency Act of 1983, is designed to keep the REA's loan fund solvent. The fund is the major source of financing for electric and telephone cooperatives and is threatened by high interest rates. Failure of the U. S. Senate to pass the act will leave two unacceptable options for future electric cooperative financing, Dixon said.

"One (option) would be to provide huge amounts of tax dollars each year to bail out the fund," Dixon said. "The other would be to greatly increase the cost of financing for many rural electric systems. Neither of these answers is acceptable."

The proposed legislation was passed in the House of Representatives on March 1 by a vote of 283-111. The Senate Agriculture Committee, of which Dixon is a member, passed the companion bill, S. 1300, on June 7, but sponsors have since faced opposition in getting the bill scheduled for

consideration by the full Senate.

One key provision of the proposed legislation would have the interest rate on REA insured loans, now set by law at five percent, periodically adjusted to a level high enough to keep the fund stable. Another major proposal in the legislation would keep the assets of the Revolving Fund as permanent capital in the fund, available for future loans to electric cooperatives.

The proposals in the legislation, cosponsored by Dixon and Sen. Charles H. Percy, do not affect the federal budget, because the REA loan program is an off-budget item. The assets of the Revolving Fund are comprised of all the outstanding loans made to rural electric systems by REA and those funds unadvanced to REA borrowers before 1973. As interest and principal on REA loans are paid to the fund, money becomes available for new loans.

"REA has a long history of outstanding success," Dixon said. "It is imperative that we continue to provide REA and the electric cooperatives with the resources needed to meet the future energy needs of rural America."

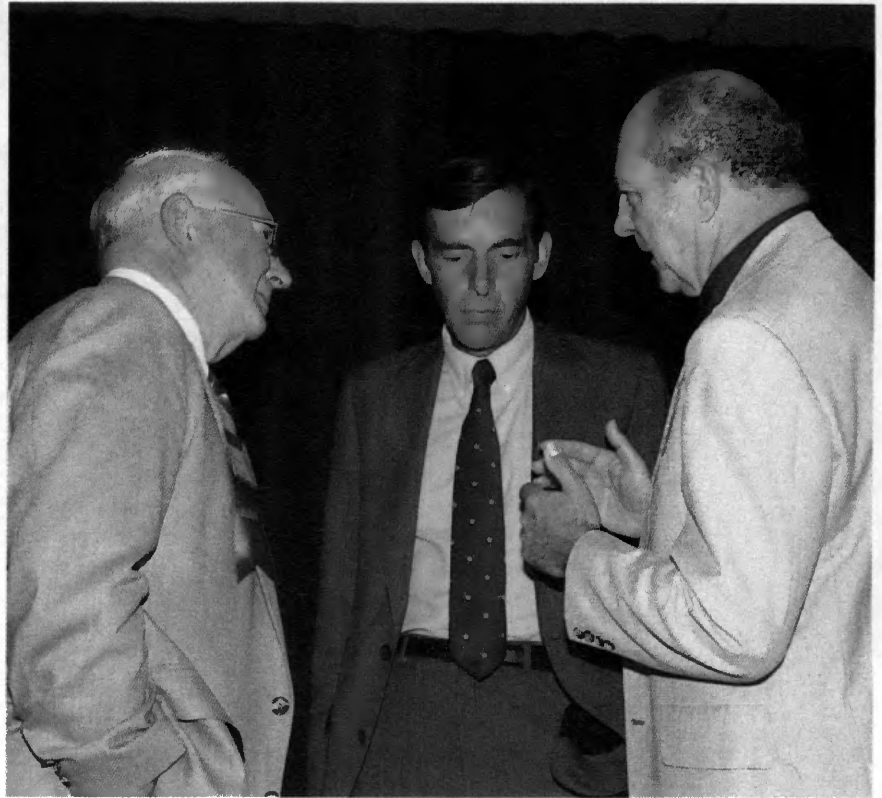
Bob Bergland, executive vice president of the National Rural Electric Cooperative Association (NRECA), criticized the Administration's "zealous opposition" to the key rural electric legislation now awaiting action by the U. S. Senate. He said that the "Administration should be doing what it can to help rural electric systems meet the needs of a changing countryside, and to help them hold the line on rates. Instead, we are witnessing zealous and unyielding opposition to legislation that is necessary to ensure a reliable source of financing



ICC chairman O'Connor (left) and Rep. Brummer



Bob Bergland (above) is general manager of NRECA. Right: From left are Robert R. Wagner of Burnside, Charles Gill, governor of CFC, and C. E. Ferguson of Mattoon. Wagner is a former director of CFC; Ferguson is a current director.



for rural electric systems in the years ahead."

Bergland reported that 53 of the 100 U. S. Senators had signed a letter, delivered to Majority Leader Howard Baker Aug. 8 asking that the bill, S. 1300, be brought to the Senate

floor for a vote.

The legislation is supported by the nation's 1,000 rural electric systems and was introduced in May 1983. "Months after the House vote, the Administration sent to Capitol Hill a proposal that would double the

interest rate on loans to co-ops, cut the REA loan program in half and add user fees," Bergland said.

Pointing out that rural electric consumers nationwide pay an average of 14.45 percent more for electric

(Continued on page 8)



Business session was final activity for delegates.

C. E. (Ed) Ferguson, left, of Mattoon has been reelected president of the Soyland Power Cooperative board of directors. Also reelected were, from left, Allen Sisk of Mt. Vernon, vice president; David A. Fricke of Paxton, secretary-treasurer, and Lyndall Pigg of Bushnell, assistant secretary.



Soyland selects Williams

Soyland Power Cooperative has selected E. H. (Ed) Williams to become permanent general manager on Jan. 1, according to C. E. Ferguson of Mattoon, Soyland board president. Ferguson announced the appointment during Soyland's annual meeting Aug. 9 in Decatur.

Williams has served as Soyland general manager in an interim capacity for slightly more than a year. Ferguson said, "His expert ability, both technical and administrative, combined with over 17 years of utility experience with an Iowa generation and transmission cooperative, has been a tremendous asset to Soyland."

Soyland, with headquarters in Decatur, is a federation of 15 Illinois distribution electric cooperatives organized in 1963. Six cooperatives made up the original membership; nine others joined the organization in 1975. Increasing cost of bulk electric power and uncertainty as to future supplies were primary reasons for organization of the federation.

Officers of Soyland's board were reelected for one-year terms: Ferguson, president; Allen Sisk, Mt. Vernon, vice president; David A. Fricke, Paxton, secretary-treasurer; and Lyndall



Shelby Electric directors (foreground) at Soyland meeting

Pigg, Bushnell, assistant secretary.

Guest speaker was Robert M. Powers, president and chief operating officer of the A. E. Staley Manufacturing Company, Decatur. Powers addressed the general topic of agriculture and the Illinois economy, with specific remarks regarding agriculture in the 58-county service area of Soyland's member-cooperatives.

He said, "Agriculture is the engine which drives America. Its tremendous economic power is no more evident than in the 58 counties served by your

cooperatives.

"In a typical year, the farms that you serve produce nearly one billion bushels of corn and over a quarter of a billion bushels of soybeans.

"If your service area were a country, it would rank third in the world in corn production and fourth in the world in soybean production.

"That's right. The service area of Soyland Power Cooperative produces more corn than any nation in the world with the exception of the U.S.

(Continued on page 26)

Serving Rural Electric Cooperative Members for over 15 Years

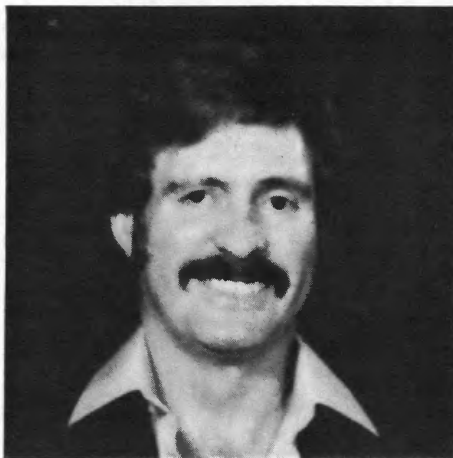
As these folks will tell you...

For many years, Co-op Insurance has provided reliable and dependable service to policyholders across the country. Some have taken the time to write and thank us.



Mrs. Joseph B. Smith
Lowland, North Carolina

"I was very pleased with the prompt response I received from C.I.F. last year after my stay in the hospital. Thank you very much. It really helped a lot."



Joe D. Dwyer
Reeds Spring, Missouri

"I have dealt with other insurance companies, but never have I received such good service. The \$3,250 you sent me came at a very needy time. I will be very happy to recommend your company to anyone."



Vera Lene Tickle
Bland, Virginia

"I want to thank you for the checks you sent me for the amount of \$1,350 for my hospital stays. I'm real proud to be a member of Co-op Insurance Fund. I don't know how I could do without it."

The Co-op Insurance Fund's HOSPITAL INCOME PLAN pays you cash for each and every day you're hospitalized.

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One out of three families will have a family member hospitalized this year* and will face expensive hospital bills. Learn how the Co-op Insurance Fund can help your family pay these bills. You will be under no obligation and no salesman will call.

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*Source: American Hospital Association

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U.S. Sen. Alan Dixon (left) receives the Illinois Electric Cooperative Public Service Award from Thomas H. Moore, AIEC general manager.

(Continued from page 5)

service than urban consumers, Bergland said, "The Administration proposal would only increase this disparity and place an additional burden on the backs of rural Americans. We can't sit still for that."

Charles B. Gill, governor of the Washington, D. C.-based National Rural Utilities Cooperative Finance Corporation (CFC), also reviewed the need for a sound REA loan program and stressed to his audience the importance of the cooperatives' commitment to rural development. Such development is necessary, Gill said, because it improves living conditions, increases job opportunities and helps maintain the family farm.

"Rural development, in a sense, is a harkening back, I think, to the old days of the social commitment of the rural electric cooperatives to do the job that needs to be done in your service areas," Gill said.

Cooperatives will be unable to develop their service areas significantly if living conditions are considerably below those in urban and suburban areas, Gill said. Water supplies and communications are going to be as critical to rural living conditions within the next 15 years as electricity was in the 1930s and '40s, he added.

Meanwhile State Rep. Richard H. Brummer of Effingham urged electric cooperative leaders to inform themselves of the needs and concerns of their memberships and to truly represent the needs and concerns of cooperative members in meetings of the cooperative boards of directors. "If you take nothing else from my comments this afternoon, please take away a belief in the significance of clear and regular communication with your members," Brummer said. "That communication, that fostering of a feeling of membership on the part of your members, is the single most important factor in keeping your cooperatives free from costly government regulation."

Speaking with Brummer at the meeting on "Utility Rates, Regula-



tions and Service Policies" was Philip R. O'Connor, chairman of the Illinois Commerce Commission. Noting that rural electrification brought a revolution to the rural countryside nearly 50 years ago, O'Connor said he sees a new revolution coming in the electric utility industry. "I think what we're beginning to see is that, much like in the telephone industry, the electric power industry is beginning to experience competition in at least some of its segments," O'Connor said. Co-generators and small power producers are providing some local competition now, he said, but in the future changes in regulations will allow producers and



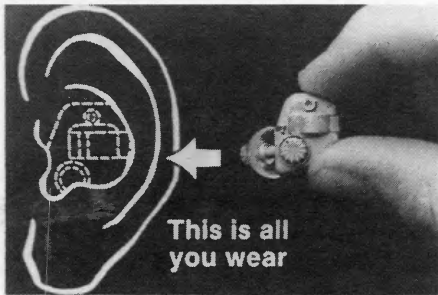
Sharon Goodwin of rural Broughton was an honored guest. She is the Illinois representative on the NRECA Youth Consulting Board.

consumers to move blocks of electricity over great distances.

"Whether it's telecommunications, natural gas or the kind of regulation you've had in the financial services areas," O'Connor said, "they're all changing rapidly and they're being blown apart in a revolutionary move away from monopoly toward competition. And in that revolution, I see co-ops as having an important role to play, a fairly unusual one as a combination consumer as well as a producer of electricity."

Robert W. Rippelmeyer, a director of Monroe County Electric Cooperative, Waterloo, said in his report as president of the AIEC board of directors that electric cooperatives must continually remind their members that rates in rural service areas are higher than in urban areas and they must explain why future energy costs will be higher. "We know no one can provide energy in rural America as cheaply as we can," Rippelmeyer said. "The investor-owned utilities know it, but the consumers do not. We need to tell them and convince them."

Commenting on the rural electric financing bill awaiting action in the U. S. Senate, Rippelmeyer criticized the Administration for trying to kill the bill by delaying tactics rather than allowing a vote. "I would hasten to point out to this Administration that no so-called economic recovery is complete without a healthy and prosperous rural environment," Rippelmeyer said. "Our program is an integral part of that environment."

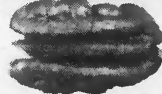


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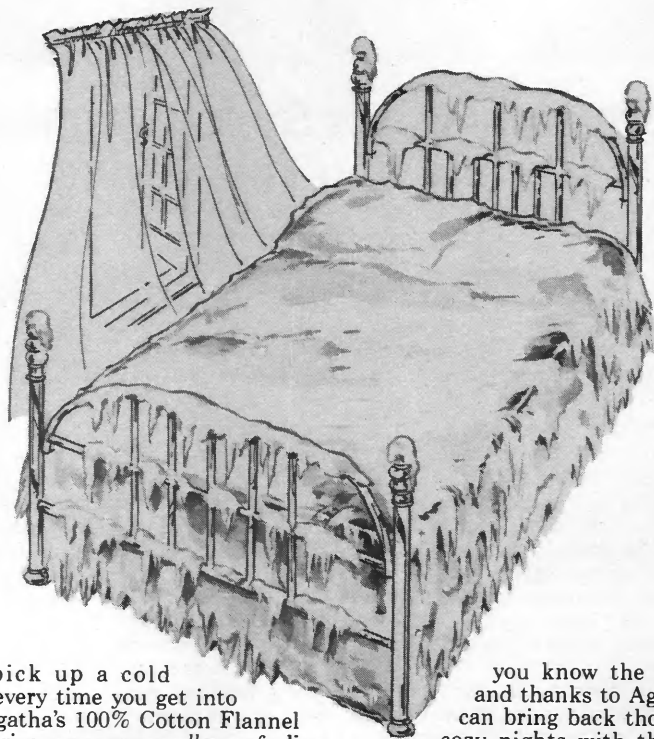
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FREE to Readers of This Publication All-Season Strawberries for Fall Planting



New 'Brighton' Bears Spring, Summer, Fall & Winter Starting This Spring

For Fall Planting

Cold-hardy *Brighton* strawberries planted in Fall make strong root growth, will start bearing big, luscious strawberries this coming spring and continue all summer, fall and winter, too!

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for decorative planters and hanging baskets. Imagine just two plants in a pot with beautiful white star-shaped flowers and cascades of delicious red fruit hanging all around the sides.

Plus, with each order of *Brighton* strawberry plants, we send you FREE complete planting instructions, including tips on planting in containers, growing indoors, ensuring heaviest yields, largest fruit and other helpful ideas.

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The best news of all is that Spring River Nurseries has secured almost all the available supplies of *Brighton* strawberry, allowing home gardeners to grow as few as two plants to test—or plant a whole patch of up to 100 plants. What's more, Spring River Nurseries is giving readers of this publication the opportunity to grow these incredible 'perpetual-bearing' strawberries FREE. If you want just two plants to test send only \$1.25 to cover postage and handling. *The plants are on us!* Spring River Nurseries supplies healthy rooted plants ready to start bearing fruit this coming spring.

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Damart underwear and gloves, he said, saved his life during the ordeal.

"Aconcagua has been called the 'killer mountain' because so many people die on it from the subnormal temperatures," said the mountain-climber priest. "I discovered later that while I was lost on the mountain the temperature had been around -30°. In the whole history of Aconcagua, only a few people have survived out in the open for even one night in such cold conditions but I remained alive for eight days and nights, which



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sional football players like the Pittsburgh Steelers, Buffalo Bills, New York Jets and Green Bay Packers. It's the official cold-weather underwear of the Ladies' Professional Golf Association.

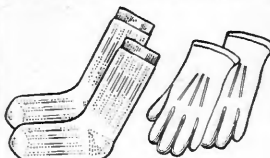
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Electricity does a lot for us. It lights, cooks, cleans, heats and entertains. Used properly, it is absolutely safe. But if you do not use it properly, electricity can be dangerous to you and your family.

TIPS YOU SHOULD TAKE TO HEART

Don't use extension cords to connect major appliances (stove, refrigerator, washer, dryer, freezer) to the wall plug. Extension cords are not designed to carry heavy electrical loads.

Turn appliances and lights off when you are not using them. This not only saves electricity, but also reduces risk.

If an appliance sparks or gives you the slightest shock, turn it off at once. Unplug it and have it repaired.

Don't postpone repairs to appliances you know are defective. It could mean someone's life.

Make sure your hands are dry, and don't stand in water whenever you touch or use an appliance. Water can make your body the path for electricity.

KEEP YOUR CORDS IN HARMONY

Use only electrical cords which are in good condition. Cords with frayed or cracked insulation should be destroyed.

Don't patch wire.

Use extension cords sparingly and don't connect several appliances to a multiple plug or extension cord. This can cause the electrical circuit to overheat, which may cause a fire.

Disconnect an appliance from a wall outlet by pulling the plug, not the cord.

Cords under carpets are a fire hazard. Do not run electric cords under rugs, through doorways or anywhere they will receive excessive wear.

SAFETY IS A POWERFUL TOOL

Power tools can be especially dangerous. Never leave one running unattended.

Make sure the switch is turned off before you plug in or unplug any power tool.

If the power tool is fitted with a three-prong plug, make sure it is plugged into a three-hole outlet so the equipment is properly grounded.

Never break off the third prong. If you have plugs with the third prong removed, replace the plug — this may save your life.

Keep your work area dry. Dampness could cause a severe electrical shock.

Combustible or flammable liquids should be kept well away from your work area.

GETTING INTO HOT WATER

In six seconds, tap water of 149 degrees F can cause third-degree burns, which can result in permanent disfigurement or death. Lower water heater temperatures reduce not only the risk of scalding accidents but also can result in energy savings. Home water heaters should be set at 122 degrees F or, if you have a dishwasher, at 140 degrees F.

Don't ever leave young children or disabled people alone in the bathtub. Scald burns from hot tap water are more extensive and severe than most other scald burns.

Turn off hot water before cold water. This cools the faucet and prevents hot water from dripping onto a child.

To reduce the cost of hot water, use flow restrictors on shower nozzles and sink faucets.

To reduce heat loss from the hot water tank and hot water piping, wrap them with insulation.

CHILDREN — PLAY IT SAFE

Protect little children at home. Put plastic safety caps in the wall sockets

to keep a child from sticking something in an outlet.

Teach youngsters that signs marked "danger — keep out" mean what they say.

Warn children of the danger of touching power lines. If kites or model airplanes come in contact with overhead lines, it can be fatal to touch the strings or control wires.

Climbing power poles, transmission towers or fences surrounding electrical equipment is extremely dangerous.

OUTSIDE THE HOME

When working outside, don't use electric tools in the rain or on wet surfaces. Using an electric lawn mower on wet grass is dangerous.

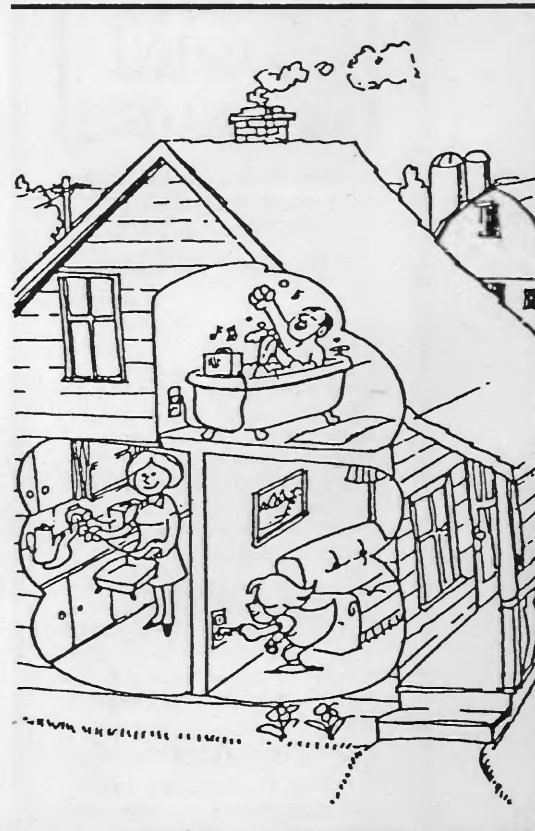
Use fixtures that are weatherproof and designed for outdoor use.

Use electric hand tools that have a ground or are double-insulated.

When putting up an antenna, locate it where it cannot touch or fall on power lines.

Outdoor wiring should have its own circuit breaker or fuse, and be designed to keep out moisture. A ground fault circuit interrupter is required on all new installations.

Cords should be kept out of water and hung only over wooden pegs, never metal ones.



A responsible solution will keep rural America strong

Concerned with constantly changing economic conditions, member-owned electric cooperatives have proposed a responsible solution to maintain long-term stability in the Rural Electrification Administration loan program.

One key proposal, incorporated into legislation now in Congress, is periodic revision of the interest rate charged by REA to electric cooperatives – now set by law at five percent – to a level high enough to ensure REA loan fund stability.

Another key proposal in the legislation is that notes due to the Treasury from REA beginning in

1993 be converted into permanent REA capital that will remain available for lending to electric cooperatives. Retaining these assets – which would still be owned by the federal government – would *not* reduce or forgive the principal and interest to be repaid REA by its borrowers.

A healthy REA financing system will allow nonprofit electric cooperatives to continue meeting their responsibility of providing high-quality, affordably priced electricity to twenty-five million Americans . . . ensuring a strong, productive rural America.



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LIVESTOCK BUILDINGS

Moisture and dust protection important consideration for the service entrance

Locate the service entrance equipment, the conduit, fittings, service disconnect box, and the electrical distribution panels in a dry and preferably dust-free location outside the area where the livestock is confined. Use an entry way, office or separate room for this equipment. If the service entrance equipment is located inside the livestock confinement area, then the service panel must have a weather-proof enclosure.

Mount fire-resistant material such as cement-asbestos board behind the service entrance panel. In addition, use spacers to provide a one-inch air space between the service panel and the building wall. This prevents condensation on the walls from running into

(This article is the second of two parts reprinted from an Illinois Farm Electrification Council fact sheet and was written by Roland Espenschied, Professor of Agricultural-Engineering at the University of Illinois. The first article appeared in August.)

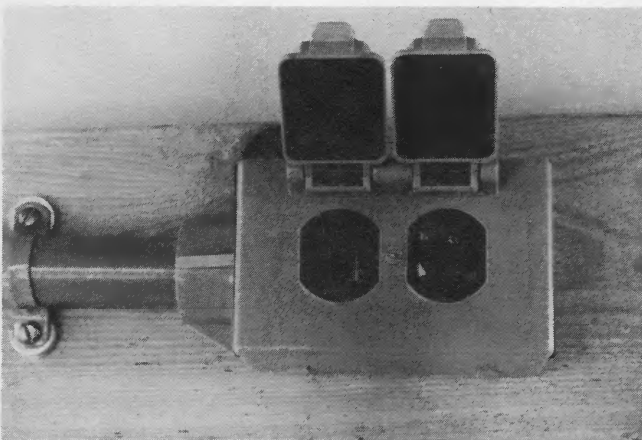
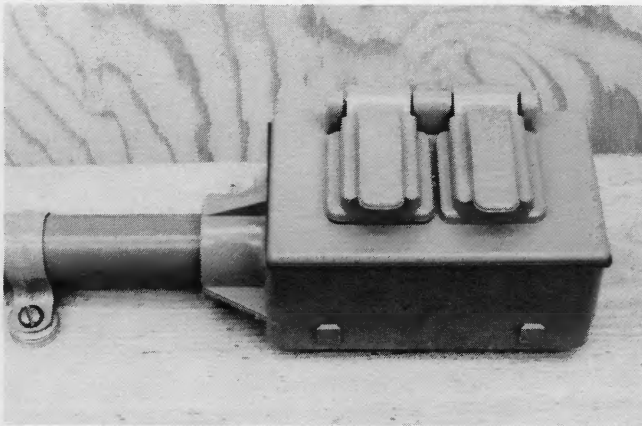
the box. The air space also keeps the panel nearer to the room temperature, reducing the possibility of condensing water inside the panel.

When metal raceways are used to enclose the service entrance conductors, pack both ends with a sealing compound to fill all of the voids

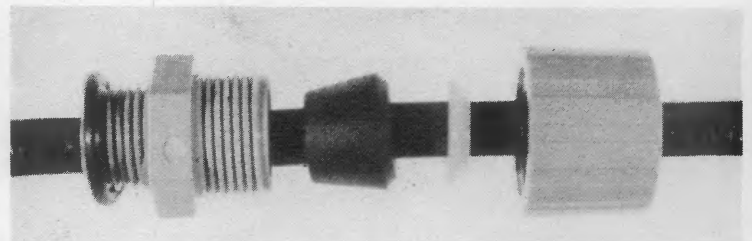
between the conductors and the sides of the metal raceways. This prevents condensation caused by circulation of warm moist air to a cold area.

Protect each circuit with its own fuse or circuit breaker. Select the size of the devices so that they are in accordance with the size of the conductors used in the circuit and do not load the circuits to more than 80 percent of the circuit rating listed in Table II. This sort of load control is especially important for applications in which electrical loads continue for long periods of time, as is the case with the use of heat lamps and exhaust fans.

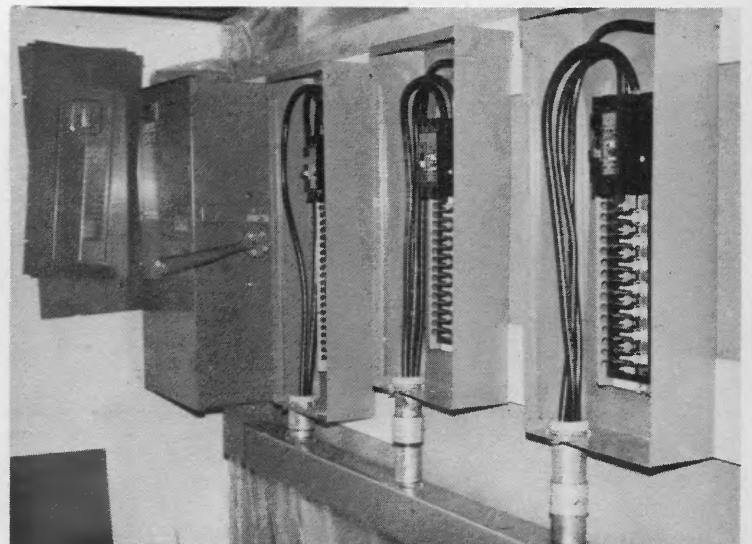
Install type UF cable for all electric circuits in these buildings, and mount



Switches and/or receptacles mounted in dust- and water-tight, gasketed enclosures should be positioned with hinge at top when possible. Keep covers closed when not in use.



Nonmetallic cable connectors assure dust- and watertight fit of UF cable into nonmetallic enclosures.



When standard metal service equipment is used, locate it in a clean, dry room adjacent to livestock rearing area. Conduit should enter side or bottom with ends sealed.

feeder conductors (from an overcurrent protective device to another branch panel) on the surface so that they are visible at all times.

Before using nonmetallic conduit, check with your insurance company representatives to see if they will permit its use. Some authorities feel that it is dangerous because it creates toxic vapors in a hot fire and will not

Table II. Current-Carrying Capacity of Insulated Copper Conductors

Size	Capacity (Amps)
14	15
12	20
10	30
8	40
6	55
4	70
3	80

approve its use.

Condensation occurs when a conduit extends from a warm area to a cold area. In such cases, seal each end of the conduit with electrician's putty or silicone caulk to prevent internal air circulation that increases condensation.

Use dust- and watertight, nonmetallic boxes for all receptacles, switches and junction boxes. Two types of boxes are currently used for these applications. One type of molded nonmetallic box has drilled and tapped openings to receive tapered hub cable or conduit connectors. The other type of molded nonmetallic box has smooth hubs to receive strain relief connectors that are glued into the hubs.

If vapor from the atmosphere in a confinement building enters these electrical boxes, it condenses to form a corrosive liquid that etches conductors and deteriorates the connections. For this reason, it is important to use covers for these boxes that have gasketed, spring-loaded caps that return to the closed position. The covers should be hinged at the top. Of course, be sure to locate switch and receptacle boxes in locations where they will not be damaged by equipment or livestock.

Use UF cable-to-box connectors that have tapered hub threads that match the threaded openings in the

nonmetallic boxes. Choose plastic, corrosion resistant connectors that have neoprene, rubber or plastic bushings that fit tightly around the UF cable. Tighten the retaining collar to compress the bushing around the cable.

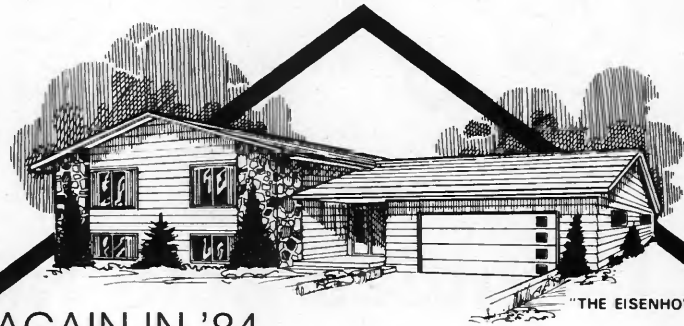
1. **Lighting Fixtures.** Choose dust- and watertight, corrosion-resistant lighting fixtures. Incandescent fixtures must have a 150-watt rating. Protect the incandescent bulb with a heat-resistant globe. When using fluorescent fixtures, select a nonmetallic type with an enclosed, gasketed cover suitable for wet locations.

2. **Electric Motors.** Select totally enclosed motors for use in the area where the livestock is confined. If a motor is placed in the air stream of a ventilation fan, the motor may be classified as "totally enclosed air over." The flow of air will help prevent overheating.

Control the motor with an on-off switch and protect it with a fuse or circuit breaker located at or near the motor. Use a weatherproof, single-throw, fusible safety switch or a combination on-off switch and protective device located in a dust- and moisture-tight enclosure.

Permanently connect all fixed electric motors and appliances to the circuit. Use continuous cords (Type S, SO) or type UF cable between the motor and its disconnect switch.

3. **Appliances.** Portable electrical appliances such as heaters, heat lamps, power washers and power tools should be connected to the electric supply through receptacles only when in use. Disconnect them and allow the receptacle cover to close when they are not in use. If the equipment is to be used in only one location, then it should be permanently connected to the power supply.



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mental Protection Agency and the USDA, is the largest undertaking of its kind in the U.S., and is unique in part because of its use of rain exclusion shelters. A mobile greenhouse, the shelter is made of galvanized pipe framing covered with plastic. It is rail-mounted and moves by automated winch motors. The motors are activated by a rain switch that responds immediately to rainfall. Once natural rain hits the rain switch, the shelter moves along the rails to cover the research plots. In this way, the crops are grown in a natural environment but still are protected from natural rainfall.

Water tanks in a separate facility mix water so that pH levels of simulated rain range from 3.0 to 5.6, Banwart says. The simulated acid rain is applied to the plots in each rain exclusion shelter through spray nozzles at a rate of about four-tenths of an inch in 70 minutes. This amount of rain is the average at Urbana from May through September.

The portion of the U.S. that receives acid rain consists of much of

ranging from 0 to 14. Seven is the neutral point, where a substance is neither acid nor alkaline. Below 7, a substance is considered acid; above 7, it is considered alkaline.

Rain has a pH of 5.6 when it is in equilibrium with carbon dioxide in the atmosphere, Banwart says. Rain is defined as acid rain when it has a pH less than 5.6. While rain in the eastern U.S. is considered acidic, rain west of the Mississippi is considerably higher in pH. This geographical difference often is attributed to soil differences and increased industrial emissions in the East.

Banwart says the research group (U of I agronomists John Hassett and Bruce Vasilas round out the team) intends to determine the effect of acid rain on yield and growth factors such as emergence, growth rate, leaf area, soils and photosynthesis.

Acid rain is a controversial subject among scientists, Banwart says, because it hasn't been determined conclusively if, indeed, the rain is harmful to crops. Results of some studies are contradictory. For instance, he notes that some researchers have found soybeans treated with acid rain showed decreases while other researchers have found increases in plant size and rates of growth.

Other studies have shown that simulated acid rain can cause lesions on plant foliage and can slow the rate of microbiological processes in the soil. On the other hand, simulated acid rain has been proven to be a good fertilizer that can add nutrients to plants and the soil.

"Last year's results would seem to indicate a minimal effect on crop growth, but we're not completely sure yet," Banwart says. "We need more study, more complete data that we should get this year and next."

U of I studies acid rain effect on corn, soybeans

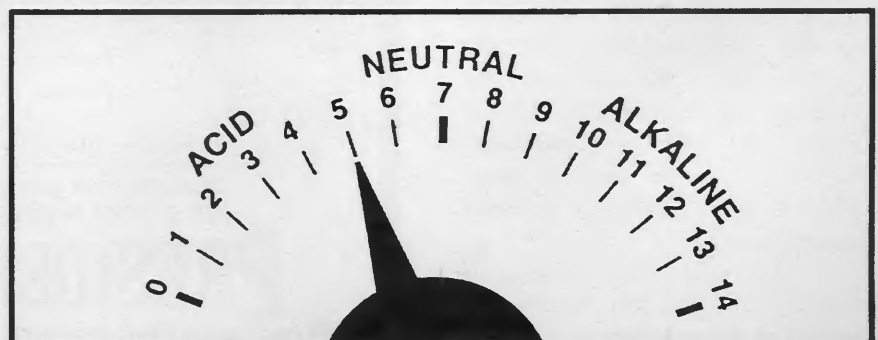
While the national debate over acid rain goes on, University of Illinois researchers continue to study the effects of acid rain on corn and soybean production. Results from 1983 indicate minimal impact overall, although one variety of beans yielded six bushels less per acre at high acid levels than at low acid levels.

"Two corn varieties grown in 1983 showed no significant response to acid rain and one soybean variety showed little effect either," according to Wayne L. Banwart, U of I agronomist and head of the Illinois research team. "This year we've added more corn and soybean varieties and an extra rain exclusion shelter to screen 20 different soybean varieties to sensitivity to acid rain."

The study, funded by the Environ-

the area east of the Mississippi River, including Illinois and major portions of the Corn Belt. Acid rain is believed by some to have damaging effects on the environment. It has been blamed for killing fish and wildlife, inhibiting agricultural growth and even eroding buildings and statues.

Scientists measure the acidity of a substance on a pH scale, with values



With the flavor of fall

SAUSAGE-EGG CASSEROLE

- 6 hard-cooked eggs
- 1/4 cup butter or margarine
- 1/4 cup all-purpose flour
- 2 cups milk

Slice 3 of the eggs into 1 1/2-quart casserole. In saucepan, melt butter; blend in flour, 1/2 teaspoon salt, and dash pepper. Add milk all at once. Cook, stirring constantly, till mixture thickens and bubbles. Cook sausage; drain. Stir sausage and corn into sauce; pour over eggs. Slice remaining eggs; arrange atop mixture. Sprinkle with crumbs; bake at 375 degrees for 20-25 minutes or till heated through. Serves 6.

CHILI FOR 5 PEOPLE

- 1 lb. hamburger
- 1 qt. tomatoes or juice
- 1 can kidney beans

- 1 lb. bulk pork sausage
- 1 1-lb. can (2 cups) whole kernel corn, drained
- 1 cup soft bread crumbs

Brown onion and celery with hamburger. Add kidney beans and tomatoes and salt, pepper and chili powder and cook for 1/2 hour, approximately.

CROCK-POT ROUND STEAK

Generously cover meat with flour and pound flour into meat. Brown meat on both sides in hot fat. Transfer to crock pot and cover with 1/2 to 3/4 cup hot water. Cook on low for 5-6 hours or on high for 2 1/2 to 3 1/2 hours. Season as desired.

TUNA CROQUETTES

- 2 tablespoons butter or margarine
- 2 tablespoons flour
- 1/4 teaspoon salt
- Dash pepper
- 1/4 cup milk

- 3 tablespoons grated onion
- 1 can white flaked tuna, drained
- 2 cups soda cracker crumbs
- 4 eggs, slightly beaten

Slowly melt butter, remove from heat. Stir in flour, salt and pepper. Mix well and slowly add milk, stirring constantly. Return to heat. Cook until thick, stirring constantly. Set aside to cool. Add grated onion to tuna. Add cooled white sauce. Shape into oblong croquettes, using one tablespoonful tuna mixture for each croquette. Roll in cracker crumbs, dip into eggs, then roll again in crumbs. Place on tray or platter. Chill thoroughly. Fry at 375 degrees until brown. Drain on absorber paper and serve immediately. Makes six servings.

DIVINE CHICKEN DIVAN (for Microwave Oven)

- 2 (10 oz.) pkgs. frozen broccoli spears
- 2 chicken breasts (cut in half)
- 2 cans cream of chicken soup
- 1 cup mayonnaise
- 1 teaspoon lemon juice
- 1/2 teaspoon curry powder
- 1/2 cup shredded sharp cheddar cheese
- 1/2 cup bread crumbs
- 1 tablespoon butter or margarine

Open one end of broccoli—place in microwave oven on a paper towel. Cook 3 minutes. Place chicken breasts in baking dish and bake in microwave for 5 to 6 minutes. Cool enough to handle. Skin, bone and slice chicken. Arrange broccoli spears in baking dish. Layer sliced chicken. Combine soup, mayonnaise, lemon juice and pour over all. Top with cheese, bread crumbs and melted butter. Cover and cook by microwave oven for 6 minutes.



STUFFED BELL PEPPERS

- 1 lb. hamburger meat
- 1 medium onion, chopped
- 1 6 oz. can tomato paste
- 1 teaspoon salt
- 1/4 cup water
- 1 teaspoon black pepper
- 6 bell peppers

Mix hamburger meat, water, salt, pepper, onion and tomato paste. Stuff peppers with mixed ingredients. Wrap peppers in aluminum foil and bake at 350 degrees for about 1 hour and 15 minutes.

ENGLISH PEA CASSEROLE

- 1 cup chopped onion
- 1 cup chopped celery
- 1/2 cup chopped green pepper
- 2 cans extra small peas, drained
- 1/4 cup chopped fresh parsley

- 1 can mushroom soup
- 1 large can pimientos, sliced
- 1 can water chestnuts, sliced thin
- Salt and pepper to taste

Mix all ingredients. Top with cracker crumbs. Bake at 350 degrees or until bubbly and brown on top. (About 30 minutes.) Can also add a few slivered almonds on top.

BLUEBERRY SALAD

- 2 small boxes grape Jello
- 2 cups water (1 cup boiling water to dissolve Jello—1 cup cold water)
- 1 can blueberry pie filling
- 1 large can crushed pineapple, drained
- 1 pkg. (8 oz.) cream cheese, softened
- 1 cup powdered sugar
- 1 medium box Cool Whip

Dissolve Jello in boiling water. Add cold water, blueberry filling and pineapple. Refrigerate until set. Mix cream cheese, powdered sugar and Cool Whip with mixer until creamy. Spread on top of filling. Sprinkle with nuts.

OLD-FASHIONED RICE PUDDING

- 1 cup cooked rice
- 2 cups milk
- 2 eggs, separated
- 1/2 cup sugar

- 1/4 teaspoon salt
- 1/2 teaspoon vanilla
- Fruit or raisins if desired

Add cooked rice to milk, salt and vanilla, heat to scalding point in top of double boiler. Beat yolks with sugar. Add rice and milk mixture slowly to yolks and sugar, beating vigorously. Pour all back into top of double boiler, cook till thick. Fold in raisins or chopped fruit if desired. Place in buttered casserole, cover with meringue, brown. (For meringue: beat egg white till stiff. Slowly add 4 tablespoons sugar, beating until meringue stands in peaks.)

BROWN SUGAR POUND CAKE

- 1 cup butter
- 1/2 cup shortening
- 1 lb. light brown sugar
- 1 cup sugar
- 5 eggs
- 3 cups sifted flour

- 1/2 teaspoon salt
- 1 teaspoon baking powder
- 1 cup milk
- 1 teaspoon vanilla
- 1 cup chopped walnuts

Beat butter and shortening together; gradually add the sugars, creaming until mixture is light and fluffy. Beat in eggs one at a time. Sift together dry ingredients and add alternately with milk and vanilla to the creamed mixture. Stir in nuts. Pour batter into greased and floured 10" tube pan. Bake at 350 degrees for 1 hour and 15 minutes, or until done when tested with a straw. Cool 10 minutes, then remove from pan. Pour walnut glaze over hot cake.

WALNUT GLAZE:

- 1 cup sifted confectioners sugar
- 2 tablespoons butter
- 6 tablespoons cream

- 1/2 teaspoon vanilla
- 1/2 cup chopped walnuts

Blend together well and pour over hot pound cake.

MILLION DOLLAR POUND CAKE

- 3 cups sugar
- 1 lb. butter, softened
- 6 eggs (at room temperature)
- 4 cups all-purpose flour

- 3/4 cup milk
- 1 teaspoon almond extract
- 1 teaspoon vanilla extract

Combine sugar and butter; cream until light and fluffy. Add eggs, one at a time, beating well after each addition. Add flour to creamed mixture alternately with milk, beating well after each addition. Stir in flavorings. Pour batter into a well-greased and floured 10-inch tube pan. Bake at 300 degrees for 1 hour and 40 minutes or until cake tests done.

GRAND CHAMPION SPONGE CAKE

- 1 1/4 cups sifted flour
- 1 cup sugar
- 1/2 teaspoon baking powder
- 1/2 teaspoon salt
- 6 egg whites

- 1 teaspoon cream of tartar
- 1/2 cup sugar
- 6 egg yolks
- 3/4 cup water
- 1 teaspoon vanilla

Sift together flour, 1 cup sugar, baking powder and salt. In a large mixing bowl, beat egg whites until frothy. Add cream of tartar. Gradually beat in 1/2 cup sugar, a little at a time; beat until whites form stiff, not dry peaks. In a small bowl, combine egg yolks, water, vanilla and sifted dry ingredients. Beat at medium high speed for 4 minutes or until mixture is light and fluffy. Fold yolk mixture gently, but thoroughly, into the beaten egg whites. Turn into an ungreased 10" tube pan. Bake at 350 degrees for about 45 minutes. Invert pan to cool.

APPLE CAKE

- 1 pkg. Spice cake mix
- 1 can Apple pie filling

- 1/2 cup nuts
- 3 tablespoons water
- 3 eggs

Combine mix, pie filling, eggs, water and nuts. Blend at low speed till fully moistened. Beat at least 2 minutes at medium speed. Spread in greased floured pan (13 x 9 x 2 or use bundt). Mix topping till crumbly. Sprinkle evenly over batter. Bake at 350 degrees for 40 to 45 minutes.

TOPPING:

- 1/2 cup sugar
- 1/2 cup flour

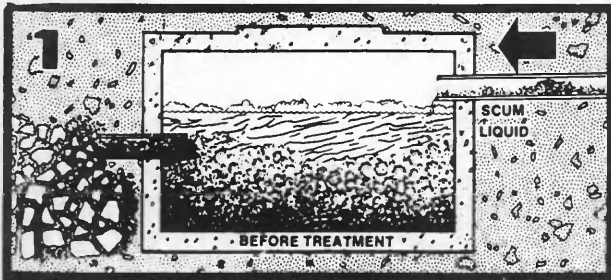
- 1/2 teaspoon cinnamon
- 1/2 stick oleo

Mix together until crumbly.

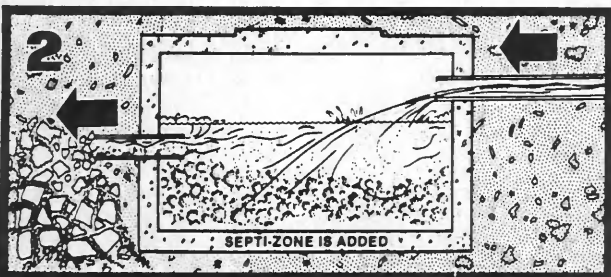
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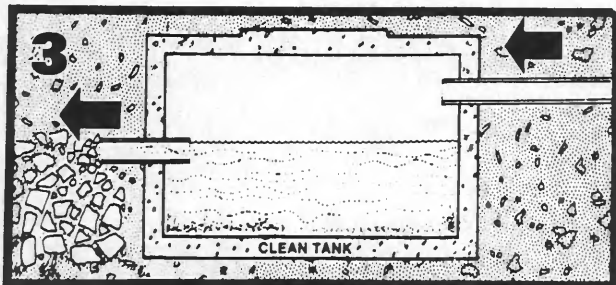
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TELEPHONE COOPERATIVES

Present year marked by rapid change

Subscriber-owned telephone cooperatives face some uncertain times brought on by rapid changes since the first of 1984.

"More changes have happened in the industry in the past seven months since the divestiture bombshell than in the last 20 years," Clyde Bollinger, manager of Egyptian Telephone Cooperative, Steeleville, said during the annual meeting in July of the Illinois Telephone Cooperative Association (ITCA) in Springfield.

Court-ordered divestiture of the Bell system companies, Bollinger said, had a shattering effect on long distance charges and the orderly process by which independent local telephone companies, such as telephone cooperatives, utilize toll revenues to subsidize the cost of providing local service. The settlement process, he added, has been complicated by the multiplication of toll revenue handling agencies such as the Illinois Exchange Carrier Association, National Exchange Carrier Association, Illinois Bell, American Telephone and Telegraph (AT&T), plus a growing number of independent carriers.

The net result of all this, Bollinger said, is that local companies receive



less of the toll revenue and have to look to local subscribers for the additional revenue in the form of increased monthly service costs.

Changes affecting local service lead not only to higher costs but also toward replacement of the traditional flat local service fees with local measured service charges, a means by which the user is billed based on time of use for local calls. Jack Tharp, executive vice president of the ITCA, also said that proposal is under consideration by the Illinois Commerce Commission (ICC), along with another that would consider regulations to cover the incursion of competing long distance services into the local service markets.

"The good days are gone forever," R. B. Duquenne, AT&T, told the representatives of the state's six telephone cooperatives. He added that the "good neighbor" policy of one telephone company helping another had been buried under floods of paperwork.

Deregulation's effects have been equally dramatic, Bollinger said. Now anyone can sell a telephone and anyone can purchase one, meaning another source of revenue support for local service costs is fading away.

To replace lost subsidies for local services, state and national regulators have devised a two-tier surcharge program. The ICC established a provision for a \$2.61 increase in local rates. And the Federal Communications Commission (FCC) ordered a \$6 per line charge for multiline business telephones access to the interstate toll system. Under the new regulations, revenue is pooled and then redistributed according to formulas developed by the regulatory agencies. Extension of the interstate access fees to residential users has been withheld by the FCC while Congress ponders other means of making up the local revenue losses.



Newly elected directors of the Illinois Telephone Cooperative Association include, from left: Kenneth Diers of Smithshire, McDonough Telephone; Charles Atteberry of Cisne, Wabash Telephone; Leland Luthy of Marissa, Egyptian Telephone; Marvin Scott of Belle Rive, Hamilton Telephone; Dennis Cornwell of Quincy, Adams Telephone; and Dale Chenoweth of Table Grove, Mid Century Telephone. Cornwell was elected president of the board; Luthy, vice president; and Diers, secretary-treasurer.



At left, the Wabash Valley Soaring Association's sailplane sits ready to soar. Inset, Bud Brown, a Lawrenceville art teacher and member of Norris Electric Cooperative, flies the plane often.

awful lot of other traffic, either. Interestingly, they called it 'George Field' then, and trained cargo glider pilots here, along with multi-engine fliers."

The Wabash Valley Soaring Association, which actually owns the plane Bud flies, has about 40 members scattered throughout the Lawrenceville area and owns another sailplane and a towplane used to get them off the ground.

Soaring enthusiasts, Bud says, try for mileage in a given time, as in an auto race, while others may go for altitude gain. "I went to Colorado once to try for altitude," he says, and I got to 31,000 feet. It was about minus-60 degrees outside. I was lucky because I had an aircraft with a large cockpit canopy, and it had something of a greenhouse effect, keeping me fairly warm. Another guy who went up in a different airplane at about the same time had to be helped out of his plane."

A soaring enthusiast since 1954, Bud actually got into flying — in powered aircraft — eight years earlier, in Vandalia. In the nearly 30 years he's been soaring, he has piled up about 3,000 hours of soaring time, and instructed budding enthusiasts for 15 years.

At one time, he was into soaring competition, but no more. "It's become much too expensive," he says, "and a good competition-class sailplane will cost about \$25,000 now. That's a bit much for a school teacher's salary. I built the best competition plane I ever had, and foolishly sold it," he adds.

While competition holds an attraction for many, soaring offers a fascination to those who just want to go aloft and quietly watch the scenery, while occasionally taking time out to sniff out a "thermal," or upward current, to keep them in the air, where it's peaceful and quiet.

Flying high!

The old saying "What goes up must come down" still holds true for the most part, but Wallace "Bud" Brown, a Lawrenceville art teacher, might argue that point a little.

When he climbs into his graceful Schleicher ASK-13 16.5-meter sailplane, he expects to stay airborne for some time. Soaring enthusiasts, he notes, used to head straight out from their takeoff point, with a ground crew following along with a long trailer. When the plane landed, they would remove the wings, load the sailplane in the trailer and go home.

"That's not practical any more," Bud says, "because soaring has become

much more sophisticated than it used to be. A really good pilot in a really good sailplane can go several hundred miles, so a chase crew isn't all that practical. Now, you try to lay out a triangular course, perhaps covering many miles, but landing at the same place you took off from."

Lawrenceville, he adds, is a fine place to leave and return to because of its enormous airport. "It was a training base during World War II," he says, "and it has four 5,200-foot runways and many, many acres of concrete ramp. And it has nice, open approaches, with no big trees or factories nearby, and there's not an

Soyland

(Continued from page 6)

as a whole and China. The U.S., Brazil and China produce more soybeans and China by only a slim margin.

"Little wonder that Illinois ranks No. 1 among all the states in soybean and feed grain exports. These exports added more than \$3 billion to the state's economy last year. Nearly three-fourths of the state's soybean exports and two-thirds of the corn exports were produced in Soyland territory."

Representatives of the 15 member-cooperatives include:



Williams

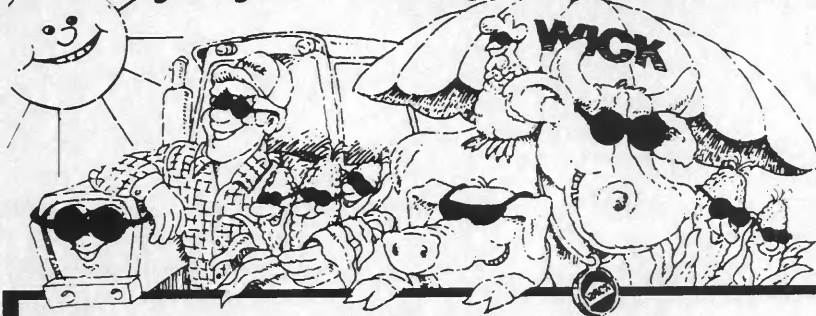


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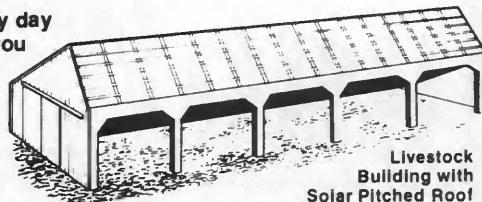
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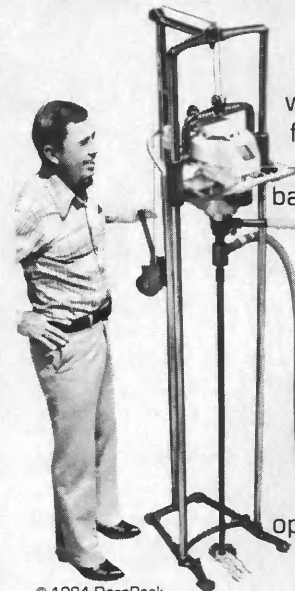
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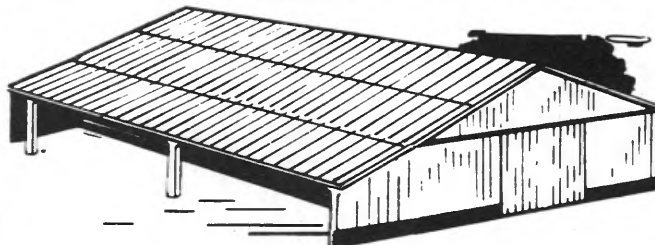
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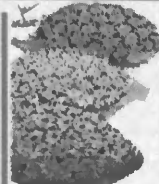
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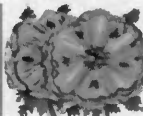
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