

Illinois
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RURAL ELECTRIC NEWS

April, 1972



Rural areas can expect vast changes

■ "The National Rural Electric Cooperative Association is warmly to be congratulated for the actions its members have taken to make their local rural electric system equal to the challenges of growth and change in our society," President Nixon said in a special message to the NRECA annual meeting in Las Vegas.

President Nixon told cooperative members that "The practical steps you have taken toward the revitalization of rural America are particularly gratifying; and the leadership you are providing through local programs to develop community facilities, create job opportunities, and build and improve housing and advance the quality of rural living have earned you the admiration and gratitude of countless fellow citizens.

"I know I speak for all the members of my Administration when I say how greatly we value your cooperation and your experienced good counsel."

President Nixon praises co-ops for services

■ Unprecedented changes in the next five to ten years face agriculture and rural areas, and the cooperatives that serve them, said E. A. Jaenke, governor of the Farm Credit Administration, at a recent meeting in Columbus, Ohio.

"Double or triple the changes in the past few years and you'll have an idea of what's coming," Jaenke asserted. He urged farmers to take short courses or find other ways to catch up with—and keep abreast of—technical changes in agriculture.

Jaenke said upcoming changes will place new stress on cooperatives—and open new opportunities for service.

"Cooperatives face many opportunities because there is no better way toward improving returns than through such an organization," he continued. "A successful cooperative deals well with member control—and has member control. It has good management and a good board of directors. It is not 'penny wise and pound foolish' in its operations, especially in the selection of a good manager. It is responsive to the needs of its members."

Jaenke suggested that cooperative members encourage their organizations to provide additional services, to avoid duplication of services and to diversify so as to do an even better job.

Melvin E. Sims honored by national group

■ Melvin E. Sims, president of FS Services, Inc., and Illinois Grain Corporation (IGC)—and a member of Adams Electrical Co-operative at Camp Point, has been named to a six-year term on the Federal Farm Credit Board at Washington, D.C. His appointment was confirmed recently by President Nixon. Sims operates a grain and livestock farm near Liberty with his son, Randy, and his brother, Dean. He has been widely recognized for his contributions to agriculture.

The Farm Credit Administration supervises 12 district banks and associations in the nation. Sims will represent the 6th Farm Credit District which serves Illinois, Missouri and Arkansas. The Farm Credit System provides credit to farmers and their cooperatives who in turn own the system.

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JOHN F. TEMPLE
Editor

RICHARD D. HANEY
Associate Editor

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COVER—Serenity gentle April
is here fleecy clouds drift by
. courageous tulips poke from
the sun-warmed ground kids
fly kites girls moon over boys
. boys blush Ah, Spring
. you're SO welcome

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MARCH, 1972

Self-help for Co-ops

Electric cooperatives, like most of us, live in a troubled world. And like most of us they're struggling to resolve their problems.

One of the most serious of these hinges on financing of expansion programs.

At first blush you might think that because cooperatives, for the most part, are not extending their service territory they've no real need for expansion capital. But of course they do.

Use of electricity continues to grow by leaps and bounds. In fact it's doubling about every seven to ten years along co-operative lines. That means more expensive substations, much additional equipment and a general "heavying up" of the system to carry increasing loads.

ALL THIS IS GOOD. It's good for cooperative members who use more electricity because it's the least expensive "hired hand" available now—or likely to be available in the future. And it's good for the whole area in and around cooperative territory because increased prosperity for cooperative members means increased prosperity for merchants and for everyone.

You might be interested in how one Illinois electric cooperative, Eastern Illinois Power Cooperative of Paxton, is solving, for the present, its capital improvement problem. Howard Taylor, president, and Dennis L. Tachick, manager, report recent authorization of a joint \$435,000 Rural Electrification Administration-Cooperative Finance Corporation loan. This will finance \$665,000 in improvements during the next two years. The additional \$230,000 will come from cooperative revenues and reserves. (The cooperative will spend another \$518,000 of its own funds during that period in system maintenance and plant operation.)

YOU'LL NOTE that this \$435,000 is a joint loan. Eighty percent will come from REA, a government agency. Eastern will pay 2 percent for this money. Congressman Mark Andrews said recently the present average cost of money to the government is around 4 percent.

Twenty percent of the total loan will come from CFC, a non-government agency owned by electric cooperatives. Eastern will pay CFC 7-1/2 percent for this money, resulting in a blended rate of 3.1 percent.

Perhaps, somewhere, some cooperative could pay 7-1/2 percent for all its borrowed funds. Most could not. Perhaps the day will come when most could. We hope so. The new self-help CFC program is growing.

BUT COOPERATIVES, of course, have built-in handicaps. Eastern, for example, must operate some 2,800 miles of expensive lines to serve only 2.7 consumers per mile. Most commercial utilities enjoy perhaps 14 times that density.

'Priorities for Progress'

By Richard D. Haney

Approximately 425 members of Illinois electric cooperatives were among 10,212 persons recently attending the 30th annual meeting of the National Rural Electric Cooperative Association (NRECA) in Las Vegas.

Discussing items pertinent to the meeting's theme, "Priorities for Progress," speakers lauded past achievements of electric cooperatives and told of future matters in which the electric cooperative movement must become involved.

Rural and community development, marketing, the Occupational Safety and Health Act, foreign affairs, boards and management, bipartisan political action, financial management, legal affairs, Phase II and elements of a national energy policy were just some of the many items discussed.

NRECA'S PRESIDENT Louis Strong and General Manager Robert D. Partridge presented a combined report and told of the his-

tory of the NRECA, related today's problems with those of the past and pointed out essential goals to serve future needs.

"This generation does not understand what it is like to be without electricity," said Strong. "This new generation sees a mature and respected business organization—an organization they expect to provide reliable, low-cost electric power at the flip of a switch."

"Public opinion today and in the future," Partridge said, will not be interested in your past accomplishments in making life better for rural America. It will insist that you be a leader in building your community Now, more than ever, our vigorous involvement in efforts which will contribute to the progress of our communities, our states and our nation, is the key to our survival."

FOUR POINTS in planning future NRECA programs, the leaders said, will be factors which: Stimu-

late greater economic and social development and growth with the communities in which electric cooperatives serve; encourage the wise and prudent use of electricity; provide electric power at the lowest possible cost as a source of competitive energy; and continue to build the image of rural electric cooperatives as an important segment of the energy industry of this country and a vital part of the life of rural America.

During the forum, "Elements of a National Energy Policy," Charles J. Fain, commissioner, Missouri Public Service Commission, told of the challenges of the electric industry. He said that the first challenge was to meet the demand for electric energy which grows at a rate of seven per cent on a constantly expanding base. This demand, he pointed out, will require the industry to build as much generating capacity in the next 10 years as has been built in its entire history.

FAIN STRESSED the importance of pooling and integrating generating stations and praised the Missouri electric cooperatives for their efforts at being the forerunners toward electric systems integration.

"If this can be done on the state level," Fain said, "there is no reason, technological or otherwise, why it cannot be done on the national level, and when it is done on the national level the current cooperatives' state and regional systems should be and must be an integral part of the nationwide system or grid"

C. Howard Hardesty, senior vice president of Continental Oil Company, told of resources and the balance of supply. He pointed out that in 1985 it is expected that energy will be derived from the following sources: coal, 19 percent; gas, 18 percent; nuclear power, 17 percent; miscellaneous, three percent, and oil 43 percent. Of the oil's 43 percent, domestic sources, he said, will supply only 18 percent with the other 25 percent having to come from imports of foreign oil.

Delegations packed the giant auditorium.



"... It is a national imperative that we get down to basic issues, Hardesty said. "Determine what energy we need. Determine where and how to balance environmental requirements. Adapt a plan to do all this and let's get on with the job. To continue to delay this process is pure folly..."

WILLIAM O. DOUB, member of the U.S. Atomic Energy Commission and former chairman of Maryland Public Service Commission, said that the nation must shape a positive, workable national energy policy and keep all available energy options viable and in perspective to the total energy and environmental requirement. "Only the naive or ignorant," he said, "fail to see that we can no longer take our energy supply for granted... our nation, and the world as well, will need to tap, in the most efficient ways, all of our available energy resources..."

CONGRESSMAN Mark Andrews of North Dakota, addressing a general session, said that there is a crying need for the Federal government to re-assess and re-examine the national policy regarding power supply cooperatives. He pointed out that adequate financing through two percent REA loans was essential for distribution cooperatives, especially in low populated areas.

Electric cooperatives were lauded for their efforts to acquire adequate financing through their self-help financial institution, the Rural Utilities Cooperative Finance Corporation (CFC). Praise came from Secretary of Agriculture Earl Butz and David A. Hamil, administrator of the Rural Electrification Administration.

"You recognized one top priority—adequate financing—when you moved to create the CFC," Butz said, "and then underwrote it with \$120 million of your own funds—self-help at its best."

SECRETARY BUTZ pointed out that electric cooperatives have been working effectively for rural improvement and are taking a positive part in community development efforts.

Hamil said, "The development of CFC is an outstanding example of voluntary cooperation for progress... supplemental financing into the electric program meant

breaking with tradition and habit, and establishing new policies and procedures.

The REA administrator pointed out that growth rate for electric cooperatives for the past two years has been about double that of the electric power industry as a whole.

"Some of this growth," he said, "is due to your efforts at rural development... you have used REA loan funds to make electric service available where people now want to live and work. Your rural America is where the action..."

(Continued on page 14)



Vicki Toland of Chandlerville represented Illinois at the national beauty pageant. Her parents, Mr. and Mrs. Floyd Toland, are members of Menard Electric Cooperative, Petersburg.

Provides Service To Farmers

A showcase of service. That's how the Agricultural Stabilization and Conservation Service (ASCS) was described by its administrator, Kenneth E. Frick as he spoke at the 1972 biennial Illinois ASCS conference recently in Springfield. Approximately 650 elected county committeemen and workers attended the conference which was designated "The Seventies—A Decisive Decade for Agriculture."

Administrator Frick pointed out that farmers must have more income than they are getting and that is what farm programs are all about. He described farm programs as a means of using governmental power to protect producers as they adjust to social and economic situations.

"SET-ASIDE programs," the ASCS Administrator said, "allow farmers to adjust their farming operations to fit market needs. In the same way that a steel mill or a manufacturing firm adjust plant capacity so the total output matches market demand, farmers (using set-aside programs) now withhold some of their productive capacity so they don't grow more . . . than they can sell at a profit."

Frick lauded the American farmers for providing savings for consumers. He said that if consumers were spending the same percentage of their take-home pay for food as they did 20 years ago food costs would be more than \$40 billion higher than they actually are today.

"What other industry anywhere in the nation makes that kind of savings for consumers?" he asked. "What other industry is making so great a contribution to the control of inflation? On the other hand, what other industry would settle for that kind of deal? Farmers deserve and must have more income than they're getting."

Frick said that farmers don't



Kenneth T. Benjamin, left, chairman of the Illinois ASC Committee, with Orville G. Bentley, center, dean of the University of Illinois College of Agriculture and Kenneth E. Frick, ASCS administrator.

really like rigid controls which lock them into production patterns without a chance to decide for themselves how to adjust to new or expanding markets. "Farmers are practical," he said. "They're more interested in dollars and cents than in economic models."

In his prepared text, Frick pointed out that 134,000 Illinois farms were included in last year's feed grain program. This was a surprise, he said, as Illinois farmers had a reputation of not being greatly impressed by price support programs because Illinois' highly-productive fields appear to make it less desirable for farmers to withhold productive capacity. But when farmers look at today's program, Frick said, the set-aside concept is appealing because it does away with the outmoded concept of acreage controls.

DEAN ORVILLE G. BENTLEY of the College of Agriculture, University of Illinois, said that knowledge gained from agricultural research had doubled production of farms through a cooperative effort in disseminating information to farmers.

"Scientific and technical knowledge," Bentley said, "has the capability of solving our pollution prob-

lems in the same manner as agricultural knowledge has doubled production. Man has the capability to adjust to different ways of doing things. We have shown how this has been done through proper land use in farming. Now let's take this capability and direct it toward solutions of other problems which affect our environment . . . the time has come to solve pollution problems, not through rhetoric and emotions, but through solid, sound work."

WILLIAM L. BLASER, director of the Environmental Protection Agency (EPA), State of Illinois, shared similar thoughts. He told the ASCS delegation that EPA is designed to reduce pollution and that public hearings, under oath and with the right of cross examination, are the best means of arriving at reasonable standards for environmental protection and pollution control.

"Decisions and reasoning for establishing certain standards," Blaser said, "should be in writing . . . Illinois has an outstanding act which protects all parties. Decisions are based on facts, not prejudices . . . through public hearings we can have both environmental protection and prosperity in Illinois."

Western Illinois Power Cooperative will spend some \$5,345,000 on major system improvements during the next three years, officers announced recently at the cooperative's 12th annual meeting in Jacksonville.

General Manager Donald B. Bringman said the improvements will greatly increase the cooperative's ability to provide even better service to the more than 36,000 members of seven distribution cooperatives who obtain power through WIPCO.

Improvements include a 20,000-kilowatt gas turbine generating unit at WIPCO's plant at Pearl on the Illinois River, plus a related 25,000-KVA substation; pollution control facilities at Pearl; 51 miles of 69-kilovolt transmission line and related facilities, and eight distribution substations, increased transformer capacity and additional facilities at two substations.

BRINGMAN SAID the new generating unit is to be in operation in 1973. It will increase the system's generating capacity to 54,000 kilowatts.

The new construction is being financed through loans from the Rural Electrification Administration (REA).

Henry F. Egelhoff, Jerseyville r.r.3, WIPCO president, said in his annual report, "I am confident that we will continue to have an adequate source of power to meet the growing needs of our members."

WIPCO, the president continued, faces its share of problems including pollution control, financing, adequate power supply, area development and increased power consumption by its member cooperatives.

But problems are nothing new to WIPCO and other electric cooperatives. Neither is success in solving them.

"WIPCO was born at Camp Point in 1960 facing a multitude of problems and obstacles," Egelhoff observed. "Through loyalty and cooperation we have overcome these, and have survived. WIPCO certainly will prove its mettle in the years ahead, continuing to bring increased prosperity to the 21 counties it serves through its member cooperatives."

One problem receiving special attention is that of pollution control. "We expect to devote increasing

Power Co-op Plans Big Construction Program

amounts of time, effort and money to control pollution," Bringman reported. "We are working diligently on this."

V. T. PARKS of Milton, secretary-treasurer of the cooperative, in his annual report said that WIPCO is in solid financial condition and that its future, based on area service, is bright.

Its total electric revenue during 1971 was \$4,602,913, a record, and is growing annually. But so are expenses. Tax payments alone amounted to \$100,062. Five years earlier they were \$67,956. Coal costs are skyrocketing and these are a

being of their fellow cooperative members and, indeed, to all of the people of Illinois."

In a brief talk, John Sargent of Rushville r.r.1, one of Illinois' veteran cooperative leaders, discussed problems facing WIPCO and other electric cooperatives, particularly the problem of power supply. He said this and other problems can be solved only by united effort. "Let's go forward," he urged.

AT THEIR business session all other WIPCO directors were re-elected. Named to succeed Brown and Faris were C. Kenneth Smith, Easton r.r.1, and William F. Han-



WIPCO officers and the cooperative's general manager, Donald B. Bringman, standing, are, from left, Henry F. Egelhoff, president; Ralph E. Erb, vice president, Virgil T. Parks, secretary-treasurer, and William H. McCamey, assistant secretary-treasurer.

major expense. Virtually all other expenses are rising.

Two long-time cooperative leaders, retiring from the board of directors, were honored at the annual meeting. They are Homer T. Brown of New Holland r.r.1, and S. R. Faris of Winchester. Both are widely known as leaders on a state and national level.

Each was presented with a watch and Bringman praised each for tireless, unselfish and dedicated service to the electric cooperative program.

They are, Bringman said, "outstanding men who have compiled tremendous records during long years of contributions to the well-

back of Winchester. Smith is a member of the Menard Electric Cooperative board at Petersburg. Hanback is manager of Illinois Rural Electric Co., Winchester.

Directors at their reorganization meeting re-elected Egelhoff president, Ralph E. Erb, Ipava r.r.1, vice-president, and Parks, secretary-treasurer. They named William H. McCamey, Canton, assistant secretary-treasurer.

Other directors are Walter H. Johnston, Girard r.r.2; Roy D. Goode, Virden; Harold S. Huey, Plymouth; Lee Leonard, Carthage; John E. Root, Petersburg; Dean Searls, Camp Point, and Charles W. Witt, Carlinville r.r.3.

Teachers Who Care For Others



Mrs. Aline Travelstead displays a "special" trophy presented to her by faculty and students at Marion Junior High School. She's Illinois "Teacher of the Year."



Mrs. Betty Choisser and her home library. She has been named "Adult Education Teacher of the Year."

By Bob Patton

"I'm proud for southern Illinois, not for myself," Mrs. Aline Travelstead commented when asked her reaction to being named the Illinois Teacher of the Year for 1972.

She is one of two southern Illinois teachers recently honored as outstanding teachers. Mrs. Betty J. Choisser of Eldorado was named first annual Adult Education Teacher of the Year by the Illinois Public Adult and Continuing Educators Association (PACE).

Both teachers are members of Southeastern Illinois Electric Cooperative, Inc., of Eldorado. The cooperative serves more than 13,000 member-owners in nine southern Illinois counties.

ROGER C. LENTZ, manager of the cooperative, said recently that "We at Southeastern all are proud of both Mrs. Travelstead and Mrs. Choisser, two of our members who have been recognized statewide for their fine teaching achievements and their outstanding service to their pupils.

"We feel each one is a prime example of the spirit of leadership displayed by so many cooperative members, both here and throughout the state and nation. There's a saying that 'Cooperatives Care'. They really do, and so do their members. They care about others and about helping to make their areas even better places in which to live and work."

Mrs. Travelstead of Marion r.r. 2 was selected for the highest honor awarded classroom teachers from among Illinois teachers nominated by superintendents of educational service regions from throughout the state.

MRS. TRAVELSTEAD was cited by the committee for her untiring efforts, both within and outside the classroom. She has been active in adult education work, student activities and professional organizations and heads the mathematics department at Marion Junior High School.

The youngest of eight children in a farm family, she was early encouraged by her mother to become a teacher. "As long as I can remember," she said, "I wanted to teach.

Mrs. Travelstead worked her way through college and earned a master's degree. Virtually her entire

39-year teaching career has been in Williamson county.

Of her students, Mrs. Travelstead says, "I must endeavor to be an inspiration, a hope, a source of happiness, an adviser and a companion to these individuals."

She shares their "fun things" and "gab sessions". She goes hunting and hiking with them. She encourages students to call her day or night with problems of any nature.

All this makes for a busy life, but Mrs. Travelstead has time for hobbies. "I enjoy working in the field and I drive the haybailer and tractor on our farm," she says with a smile.

MRS. CHOISSER, also leads an active professional and private life. She is a counselor at the Continuation Center for Adult Education in Eldorado. She was selected by a special PACE committee as Adult Teacher of the Year.

Her selection was based on her contributions to the teaching of adults, to education and adult education, her participation in adult education organizations and activities and other factors.

The Eldorado center, Mrs. Choisser said, provides opportunities for adults to continue their education and acquire a high school diploma while preparing themselves for better employment prospects.

Students come from a five-county area and study both vocational and academic subjects. Some previously have been able to obtain only limited formal education. But some of these have outstanding capabilities, needing only the opportunity, and encouragement, to start them on their way.

People who know the program best say it—and teachers such as Mrs. Choisser—have enabled countless young and older adults to upgrade significantly their knowledge and skills. Thus former students are, close observers say, contributing mightily to the economic growth and stability of the broad area the center serves.

Mrs. Choisser, wife of Shawneetown dentist and the mother of three children, is a student herself. She's working on a master's degree in adult education at Southern Illinois University, Carbondale.

Look Out For Phony Salesmen

As warmer weather approaches, it's time for Illinois electric cooperative members to be cautious of itinerate salesman with various home improvement schemes.

That's the advice of investigators of Attorney General William J. Scott's Consumer Protection Division (CPD). And they should know. They receive more than 300 consumer fraud complaints monthly. A recent rash of complaints involved thousands of dollars when rural residents, especially the elderly, were subjected to phony lightning rod "inspections."

"THE PROCEDURE is simple," explained Special Investigator Robert H. Meyers. "As one 'inspector' tells of an 'authorized maintenance inspection' by the manufacturer, his comrade-in-crime inspects the installation. The homeowner is then shown a piece of burnt wire which the 'inspector' had concealed on his person.

"Convincing the resident that new lightning rod equipment is needed, the men, for 'repairs', use aluminum wiring which costs about 20 cents per foot. They charge the victim as much as \$9.50 per foot, thus creating an exorbitant bill. They also keep the salvaged copper wiring for which the victim receives no reimbursement."

George M. Schafer, assistant attorney general and CPD chief, advised of two other popular schemes of which electric cooperative members should be aware.

"In one scheme, a man poses as a representative of an assumed bonding company," Schafer warned, "and tells homeowners they are entitled to a sizable refund on home improvements. Then under a vague pretext, he'll tell them that first he must have a check for approximately half of the amount to be refunded."

IN ANOTHER scheme the homeowner is told that an inspection of the chimney shows a violation of pollution laws and improvements

(Continued on page 17.)




Special Investigator Robert H. Meyers, left, reviews a case with George M. Schafer, chief of the Illinois Attorney General's Consumer Protection Division.

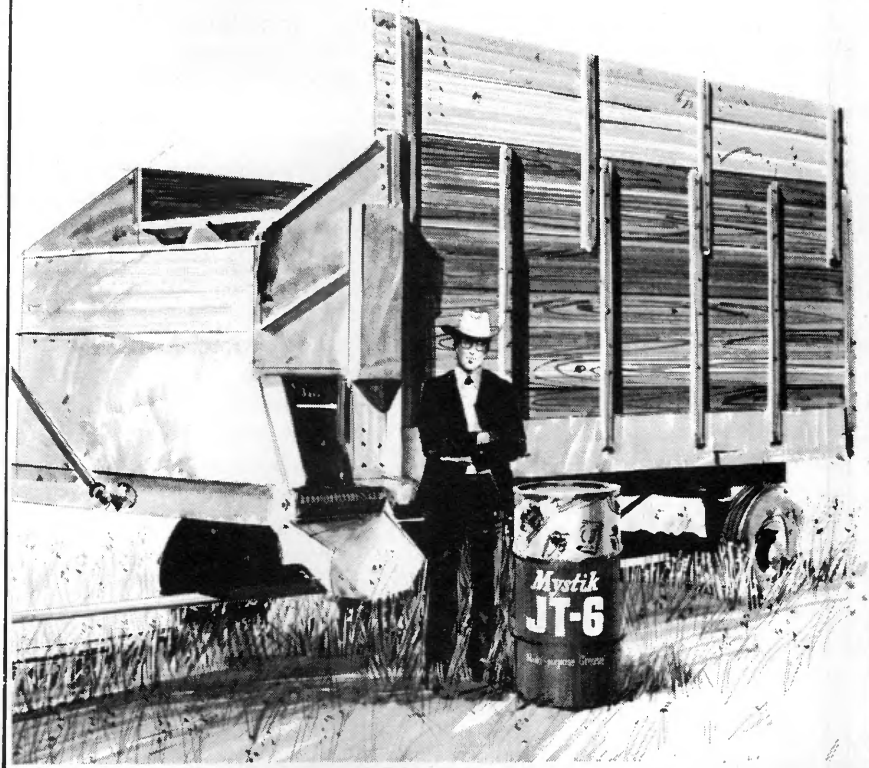
"We cannot afford costly and time-consuming breakdowns—we depend on Mystik JT-6"

Mr. Melvin Sasser, of Sasser and Sons Dairy Farm in Cheyenne, Oklahoma, says, "This harvester wagon is ten years old and is used 365 days every year to feed 150 to 200 head of dairy cows. Most of its life this wagon has had nothing but Mystik Grease used in it and it has needed very little repair. Oh, Mystik may cost a little more to buy, but with as much machinery as we have on the farm we cannot afford costly and time-consuming breakdowns so it's worth it . . . we depend on Mystik JT-6 Multi-Purpose Grease."

Mystik JT-6 is one of the family of Mystik Lubricants From . . .

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a subsidiary of Kerr-McGee Corporation 



Illinois OYF Believes in Associations

What's the modern American farmer like these days? How did he get there? And what's his outlook toward the future of farming?

To discover the answers, let's enter the life of an agribusinessman—a man who rented land for five years before buying his first acre, a man who farms profitably through modern technology and efficient management, a man who believes that farmers must promote their products through their own self-help, specialized marketing associations.

And the man? He's Russell J. Rosenboom, 33, recently named Illinois Jaycees' Outstanding Young Farmer of the Year. A member of Paxton-based Eastern Illinois Power Cooperative, Rosenboom and his wife, Marilyn, and their two sons, Randy, 10 and Ricky 6, live in their new, spacious home west of Clifton in Iroquois county. They own their homesite plus 160 acres and rent 778 acres. In addition to Rosenboom's 940-acre grain operation, he markets approximately 2,000 head of hogs annually.

"IN ORDER to farm successfully," Rosenboom said, "a farmer should be in the business on a large volume basis and full time. By full time, I mean having a grain-livestock farming operation. Livestock is the best way to get a greater return on the investment."

And judges for the OYF program must have similar thoughts. Of the 28 contestants the ten top winners in Illinois had both grain and livestock on acreage ranging from 495 to 2,050 acres. The Illinois contest, co-sponsored by the Illinois Jaycees and Farmland Industries, places 50 percent of the judging on growth of the farming program, yield and livestock; 25 percent on conservation practices, and 25 percent on community activities.

When Rosenboom says farming should be full time, he means just that. Enroute to the OYF contest



Mr. and Mrs. Russell J. Rosenboom and their new home. Sponsored by the Watseka Jaycees, he has been named the Illinois Outstanding Young Farmer of the Year.

at Litchfield, he and his wife stopped in Bloomington to buy equipment parts and stopped at Lincoln to call an auction barn in southern Illinois to buy 150 head of feeder pigs.

"For several months I've ordered 150 to 200 feeder pigs by phone because it saves time and money," he said. "It eliminates my having to drive 220 miles to the sale barn. I can listen to the auction right from my home or a phone booth if I happen to be on the road."

ROSENBOOM buys the pigs between 40 and 60 pounds and markets them between 210 and 220 pounds. His confinement house was built in his spare time over a two-year period, utilizing used lumber. An electric feed mixer and auger system provide ease in feeding. The hogs are self fed with a mixture of 1,520 pounds of corn, 380 pounds of soybean meal and 100 pounds of premix commercial supplement. When a new batch of hogs is brought to the confinement area they are fed corn for a few days before being given the mixed feed. The hogs are delivered straight to the meat packer from the farm in a semitruck.

"One tool in my hog operation," Rosenboom said, "is the futures market. It can serve as a guide to future prices or can be used to lock in a profit. There are times when it isn't

necessary to lock in a profit, but at other times I'm glad I did. Although a person doesn't always benefit from the commodities, it's a way of getting a set market price."

As an active hog producer, the Rosenbooms have seen the advantages of belonging to a specialized association—the Illinois Pork Producers Association.

"FARMERS are independent and self supporting," Rosenboom said, "so it's hard to get complete unity. That's why I think specialized associations are beneficial. They are people with a common interest, working toward the same goal. Such organizations can help bring a group better understanding in the promotion and marketing of products. We have to do the work ourselves. We can't sit in a coffee shop and complain about how things are."

"I also think attempts must be made to improve our farm image with urban citizens. We must make our farm homes more attractive and make farm living more appealing. We must let our city neighbors know how we feel about living on a farm and that it is a good life."

And the Rosenbooms through their community activities are doing just that. They believe in the future of American farming and are doing what they can to see that the future looks even brighter.

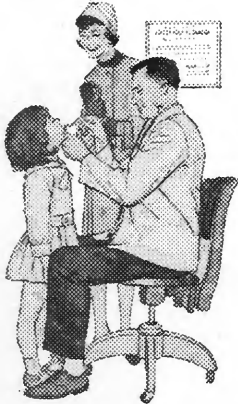
New! From Mutual of Omaha!

Three way protection

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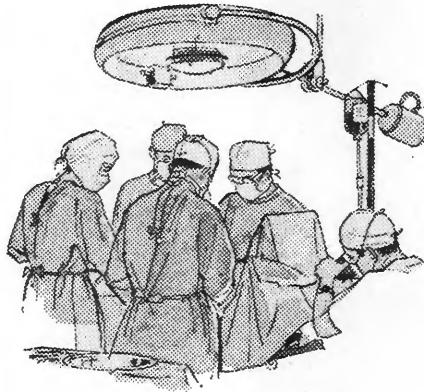
FOR DOCTOR CALLS AND
HOME CARE



Doctor Calls and Home Care—Pays up to \$5,000.00 on a scheduled basis for out-of-hospital doctor bills, drugs, medicines, X-rays and lab tests, private duty nursing care, plus much, much more. Even includes benefits for charges made by a hospital for a planned program of continued home care following hospital confinement. Covers the whole family.

PLUS UP TO
\$15,000.00

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Hospital-Surgical-Medical—Pays up to \$15,000.00 on a scheduled basis for in-hospital doctor calls, medicines, drugs, lab tests, operating room costs, surgical fees and much, much more. In addition, pays from \$10.00 to \$60.00 a day (depending on the plan you qualify for) for hospital room and board... pays **DOUBLE** the daily benefit selected when confined in an intensive care unit.

PLUS UP TO
\$800.00

A MONTH
FOR REGULAR
LIVING EXPENSES



Living Expenses—Pays from \$100.00 to \$800.00 a month (depending on the plan you qualify for) to help take care of regular living expenses when the family breadwinner is disabled and can't work. As explained in your policy, these *tax-free* benefits are payable for disabilities that start before retirement or age 65. Special benefits are payable for disabilities that start thereafter.

FOR MORE INFORMATION CONTACT THESE GENERAL AGENTS

L. Earl Cutler
7600 West Main Street
P.O. Box 965
Belleville, Illinois 62223
Phone AC618-398-1950

S. B. Statrup
111 East Decatur
Decatur, Illinois 62525
Phone AC217-429-5495

A. H. Harris
1119 South Sixth Street
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IF UNDER 18 HAVE PARENT SIGN HERE



Vicki Toland of Chandlerville, Miss Illinois Electric Cooperatives, represents Illinois members in the national beauty pageant.

John F. Temple, right, editor, Illinois Rural Electric News, presides at the 1972 meeting of the National Electric Cooperatives Editorial Association meeting. With him is Kirby Able, editor, Rural Electrification magazine.



Illinois Delegation, Active Participant At NRECA Meeting

More than 10,000 persons from all over the nation attended the recent National Rural Electric Cooperative Association annual meeting and Illinois leaders, relative few in number, seemed to be everywhere at day and night sessions.

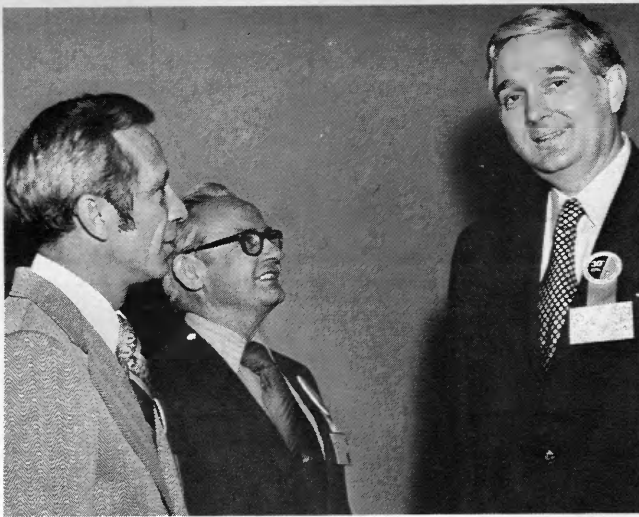
They came to learn, to share experiences, to discuss pressing problems, to hear the views of some of the nation's top leaders, to map long-range plans for the future—and they did.



Donald B. Bringman, left, general manager, Western Illinois Power Cooperative, Inc., Jacksonville, meets Wyoming Senator Gale W. McGee.

Jack Hodge, right, of Eastern Illinois Power Cooperative, Paxton, assists the emcee during beauty pageant entertainment.

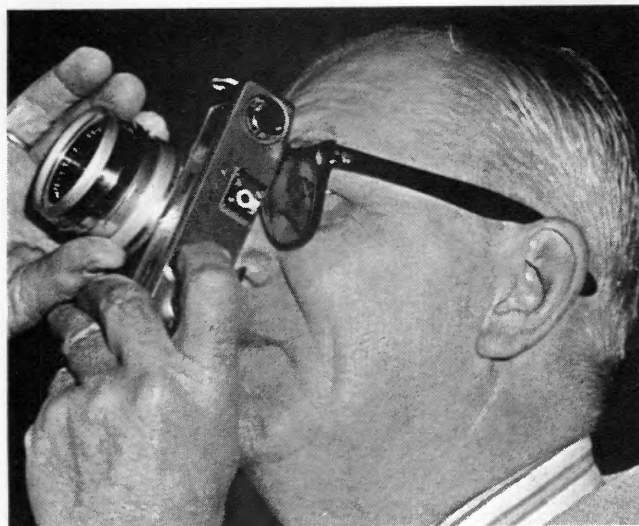




William E. LeCrone, of Shelby Electric Cooperative, Shelbyville, and Roy D. Goode, center, Rural Electric Convenience Cooperative Co., Auburn, with North Dakota Congressman Mark Andrews.

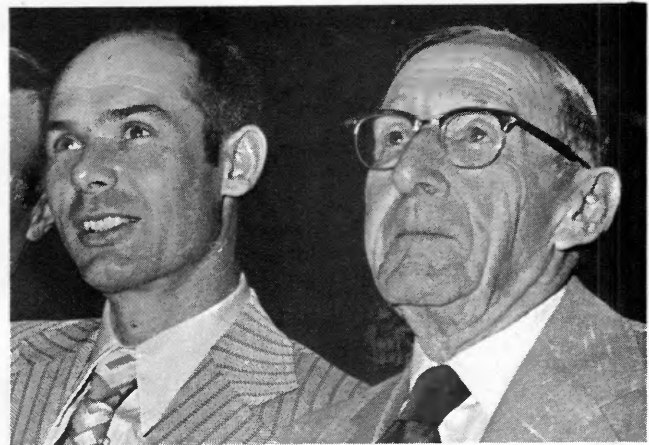


Attending a general session were representatives of Illinois Valley Electric Cooperative, Inc., Princeton: Roy Horton, president and M. M. Jontz, manager.



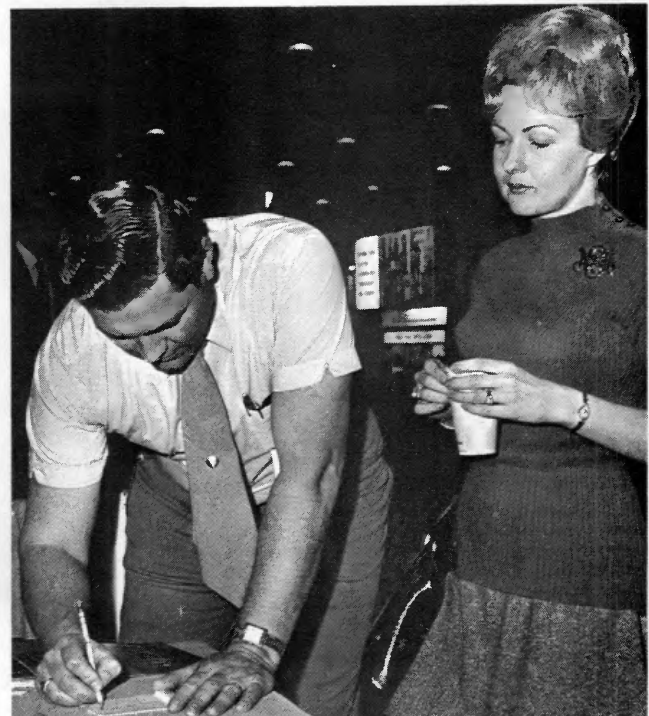
Keith Wilkey, farm editor, Quincy Herald-Whig, hard at work covering a general session.

John Sargent, president, Adams Electrical Co-operative, Camp Point, talks with Louis Strong, left, NRECA president.



Dale Lepper of Ashland and Homer T. Brown of New Holland, both directors of Menard Electric Cooperative, Petersburg, during a general session.

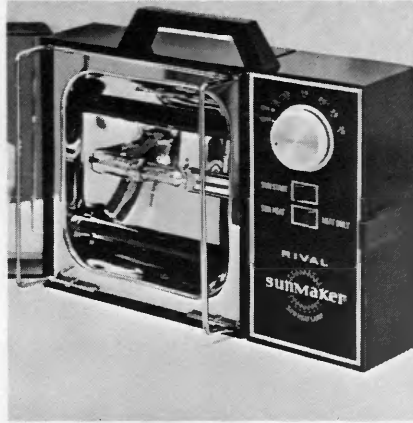
Mr. and Mrs. Robert D. Smith of Barry register at one of the exhibits. Smith is a director of Adams Electrical Co-operative, Camp Point.



What's New?

• The Sunmakers

The Sunmakers line of sun/heat lamps by Rival Manufacturing Company have two features—a built-in timer for automatic shutoff plus simultaneous suntanning and deep heat therapy. The deluxe travel case model has a built-in mirror. A chrome guard protects the precision-built high performance tubes. Snug-fitting protective goggles are provided. A professional-styled floor model with an adjustable stand that disassembles is ideal for tanning in bed, basking in a family room or relaxing by a sofa.



• Bun Warmer

An electric bun warmer with "see-thru" doors is marketed by West Bend. The unit keeps buns and dinner rolls hot right at the table and can be used for moisturizing stale, dried out rolls as well. The item, which has a 60 watt heating unit, is designed so that a teaspoon of water can be added for moisturizing purposes.



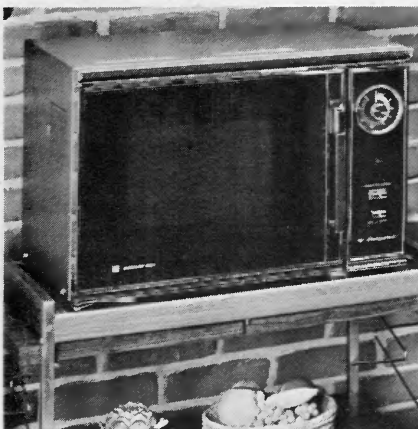
• Moisture Tester

The American moisture tester by American Farm Equipment gives a direct moisture reading for hay, soybeans, sorghum, barley, oats and corn. A built-in heat lamp vaporizes the moisture in the sample and a small electric motor-driven fan draws this moisture from the sample. An accurate built-in scale registers the moisture content of the sample direct on a beam scale. The unit sells for \$198.



• Portable Oven

A portable microwave oven has been introduced by Hotpoint. It'll work wherever a standard 115-volt electric outlet is available and requires no special installation or wiring. The food container and oven itself never gets hot because there is no absorption of microwave energy. A five pound roast can cook in 45 minutes and a chicken bakes in less than 25 minutes. No preheating is necessary and foods can be put in the oven directly from the freezer.



'Priorities For Progress'

(Continued from page 5)

J. K. SMITH, governor of CFC, told of the magnitude of a loan program for electric cooperatives: "It is estimated that we will need to invest from \$7 to \$8 billion in new plant facilities over the next ten years. This capital demand consists of approximately 40 percent distribution facilities and 60 percent power supply . . . a new plan of financing for power supply systems is now being developed . . . under this new method, REA and CFC will be able to provide the capital for a system's total cost . . ."

Kenneth C. Anderson, trial attorney, Antitrust Division, Department of Justice, discussed the application of federal antitrust laws to regulated utility enterprises.

At the ACRE (Action Committee for Rural Electrification) annual meeting and political action workshop, a symposium featured leaders of both political parties.

Senator Robert E. Dole, National Republican Committee chairman,

• Baby Chicks

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Allen Hatchery, Box 170-A, Windsor, Mo. 65360

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(More Ads on Page 23)

said that "the best estimates indicated that in all likelihood, rural uses of electricity will double again in the next seven years. And it is in that context that some of the recent developments affecting rural problems take on great significance. . . rural problems can be expected to develop with the same rapidity as the problems of the nation generally, unless they are met head-on with countermeasures from the Congress. . ."

Lawrence F. O'Brien, Democratic National Chairman, told the group:

"You and your government, as a working partnership, have developed a program that is the envy of the world. But your responsibilities have gone beyond merely the job of providing energy to meet the needs of modern agriculture. . . your members now include many non-farmers as well. As owners-managers you face the ever present problem of meeting rapidly expanding load demands and employing new technologies. . ."

During the forum, "Injecting Citizen Power into Foreign Affairs," Congressman Hale Boggs of Louisiana commended electric cooperatives for the work of the NRECA in attaining national goals, both domestic and foreign. He said that although electric cooperatives' work in rural America was not ended, the benefits of their experience and skill was being taken to the less developed countries of the world.

"Your organizations," Boggs said, "springing as they do from the great traditions of mutual self-help that have characterized this nation, involves a more inspiring image to peoples who are struggling to pull themselves up by their own boot straps. . ."

ROBERT F. ZOOK of Athens, president of the Association of Illinois Electric Cooperatives, commenting on the annual meeting, said: "It's fine that electric cooperative representatives join together in solving national issues which face us. The annual meeting provides information and inspires us to do a better job on our local and state level because we know that we are not working alone. Together, as one united force, we can establish programs which will help solve the problems facing the electric cooperatives, as well as the electric industry as a whole."

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| NEW BLACK MILITARY STRAP | | | |
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Nebo, Illinois 62355

NERVOUS

I described my distress to a noted consulting Doctor in New York. He explained that "taut nerves or anxiety, a jittery feeling or shaky stomach are symptoms of simple nervous distress. Others are sleeplessness, headache, digestive upset, loss of appetite, cold perspiring, nervous irritability." Then the Doctor told me about a tranquilizing medicine with a remarkable Safety Factor against side effects—for calming without drowsiness on the job, for refreshing sleep, for comfortable days and nights. I am so grateful, I will send full information to anyone who writes. Free. No obligation. John Winters, Apt. E-104, 13 E. 53rd St. N.Y. 10022

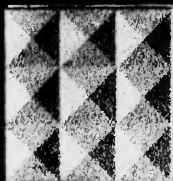


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WELL . . . HE TRIED

A tightwad was shopping for an inexpensive birthday gift, but the only cheap thing he could find was a badly broken vase. He bought it for almost nothing and asked the store to send it—figuring his friend would think it was broken in the mail.

A week later he received a note: Many thanks for the vase. It was nice of you to wrap each piece separately.

HOW'S THAT AGAIN?

Game Warden: "What's the idea of hunting with a last year's license? You know better than that, don't you?"

Hunter: "Nothing wrong in that as far as I can see. I'm only shooting at the birds I missed last year."

WE'RE WITH YOU, SON

The eight-year old boy tried to explain to his Dad the significance of poor grades on a final report card: "Don't forget—we studied all new stuff this year!"

LABOR SAVING DEVICE

The old mountaineer and his son were sitting in front of the fire smoking their pipes, crossing and uncrossing their legs.

After a long silence, the father said, "Son, step outside and see if it's raining."

Without looking up, the son replied, "Aw shucks, Paw, why don't we just call in the dog and see if he's wet."

SMART BIRD DOG

When John Jones took his hunting dog out in the fields to show him off to several strangers, to his amazement the dog pointed at one

of them.

"He's smarter than you think," said the man. "My name happens to be Partridge."

ONE MORE TIME

A golfer stepped up to the tee and drove off. The ball sailed down the fairway, leaped onto the green and rolled into the hole. The golfer threw his club into the air with excitement when he saw he had made a hole in one.

"What have you suddenly gone crazy about?" asked his wife, who was trying to learn something about the game.

"Why I just made a hole in one," yelled the golfer, a wild gleam of delight in his eyes.

"Did you?" asked his wife placidly. "Do it again, dear, I didn't see you."

ARTHRITIS

True Life Story

Paul McCoy was an arthritic during his lifetime. This condition also struck his two sisters and his son. They tried so many things. Then one day a friend in pharmaceutical circles told him about a wonderful medicine. He was so grateful he wanted to tell everyone about Norkon, the wonderful medicine for temporary relief in easing the minor pains and aches of arthritis, rheumatism, sciatica, neuralgia, neuritis, lumbago or bursitis.

Write for his remarkable experience and how thousands of others are now praising Norkon, too. It's free, costs nothing and you may win so much. Send name and address to: NORKON, Dept. R-104, 101 Park Ave., NY 10017.

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ILLINOIS RURAL ELECTRIC NEWS

Look Out For Phony Salesmen

(Continued from page 9.)

must be made. "This inspector," Schafer explained, "will give the name of a 'workman' qualified to do the job. Or course, there are no pollution laws for chimneys on dwellings. So it's just another hoax for which homeowners pay considerable sums of money."

The investigators pointed out that the imposters are experts in high pressure selling and collecting on-the-spot pay. If given a check they'll cash it before payment can be stopped and in some instances will leave a man at the residence while the partner goes to the bank to cash the check. After working an area they'll disappear to an area many miles away.

HOW CAN electric cooperative members protect themselves from such schemes?

"The best protection is doing business with an area firm," said Meyers. "For example, there's a legitimate lightning rod dealer within each 50 mile radius in Illi-

nois.

"When approached by an itinerate salesman, the cooperative member should find out where the salesman is from, record his address and if possible his vehicle license number, and ask plenty of questions. Then if still suspicious, contact the county sheriff or an office of the attorney general. Our offices are located at Peoria, Rantoul, Rock Island, Cairo, East St. Louis, Rockford, Chicago and Springfield."

"EACH COMPLAINT received," Meyers said, "is given the same immediate thorough attention whether it's the nondelivery of a prize for bubble gum wrappers or home improvements rackets amounting to thousands of dollars."

So if you're an electric cooperative member who believes you were exposed to, or have been a victim of fraudulent methods, don't hesitate to contact proper authorities. Not only will you find them helpful; you'll find them anxious to help. They care about your protection.

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Let Little Suzy help you test your talent. You may win one of five \$795.00 Commercial Art Scholarships or any one of one hundred \$10.00 cash prizes!

Draw her any size except like a tracing. Use pencil. Every qualified entrant receives a free professional estimate of his art talent.

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Try for an art scholarship in advertising art, illustrating, cartooning and painting. Your entry will be judged in the month received but not later than May 31, 1972. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One \$25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

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Address _____ Age _____

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LAST SUPPER PLATE

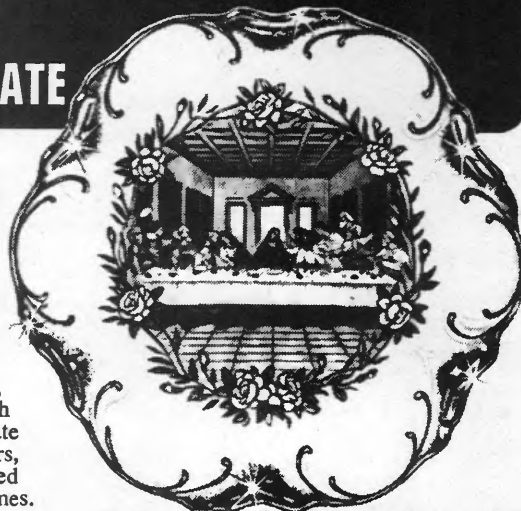
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18 KARAT GOLD

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You never spend 1¢ of your own money!

To start, Anna Wade will ship you 100 plates ON CREDIT. Simply have 10 members each sell 10 plates at \$1.25 each. Return \$75 of proceeds and keep \$50 for your treasury. Many groups sell out their supply in 3 or 4 days. Then reorder again and again . . . and raise \$200, \$500, even \$1,000. Your organization can do the same. Send coupon for complete FREE details. No obligation and nobody will call. Anna Wade, Lynchburg, Va.



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Please rush complete details FREE—no obligation—of your Plan for our group to raise \$50 and more without spending 1¢—with your Christ Knocking at the Door Picture Plate.

Name _____

Address _____

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Name of Organization _____



Sing a Song of Spring

HAM BUFFET MOLD

- | | |
|------------------------------------|--|
| 1 can (10¾ ozs.) cond. tomato soup | 2 tablespoons lemon juice |
| ¾ cup water | 1 tablespoon grated onion |
| 2 envelopes unflavored gelatin | ½ cup mayonnaise |
| ½ cup cold water | 2 tablespoons prepared mustard |
| 1 package (3 ozs.) cream cheese | 2 cups finely chopped boiled or smoked ham |

Combine soup and ¾ cup water and bring to a boil. Soak gelatin in ½ cup cold water for five minutes. Stir softened gelatin into hot soup. Add cream cheese and beat until smooth. Cool until slightly thickened. Stir in remaining ingredients. Pour mixture into 5-6 cup mold. (Individual molds may be used if desired.) Chill for 4 hours or until the mold is firm. To unmold, dip mold in lukewarm water for a few seconds, tap to loosen and invert on a platter. Garnish with a variety of salad greens, hard-cooked egg slices and stuffed olives. Serves 8 to 10.

BREAST OF CAPON KIEV

- | | |
|--|---|
| 4 large capon or chicken breasts, halved, skinned, and boned | ¼ teaspoon white pepper |
| Salt, pepper, MSG | 1 can (10½ ozs.) cond. cream of potato soup |
| ½ lb. sweet butter | ¼ cup cream |
| 1 or 2 cloves garlic, chopped | 2 tablespoons sherry |
| 1½ tablespoons chopped chives | Flour |
| ½ tablespoons chopped parsley | 1 egg, well beaten |
| 1 teaspoon salt | Deep fat or oil |
| 1 teaspoon crumbled rosemary | |

Sprinkle each half breast with salt, pepper, and MSG. Pound capon between 2 pieces of wax paper until very thin but in one piece. Combine the butter, garlic, chives, parsley, salt, rosemary, and pepper. Mash until smooth. Divide mixture into 8 portions. Center one portion on each breast. Roll capon breasts around butter mixture to enclose butter completely. Chill. Combine soup, cream, and sherry. Whirl in a blender or press through a sieve. Heat until bubbly. Dip capon rolls into flour, then into beaten egg, and then again into flour. Fry in deep fat heated to 350°F. until golden brown. Place rolls in pan, uncovered; cook in preheated 350°F. oven for 30 to 35 minutes or until tender. To serve, arrange rolls on wild rice and spoon hot sauce over, so that each roll is liberally coated. Serves 8.

SADDLE OF LAMB MARIE LOUISE

- | | |
|---|---|
| 1 saddle of lamb, 4 to 5 lbs. (7 to 8 lbs. untrimmed) | 2 pkgs. (9 ozs. each) frozen artichoke hearts |
| Salt, pepper, crumbled thyme, bay leaf, farragon | 1 cup button mushrooms, stems removed |
| 1 onion, chopped | 12 small new potatoes, cooked |
| 1 cup apple cider | ¾ cup butter or margarine |
| 1 can (10½ ozs.) cond. beef broth | 3 tomatoes, cut into halves |
| 1 can (10¾ ozs.) cond. tomato soup | ¼ cup grated Parmesan cheese |
| | 1 can (20 ozs.) celery hearts |

Trim saddle of lamb, removing skin, fat, and kidneys. Sprinkle meat with salt and pepper. Rub meat with crumbled herbs. Shape meat into a round piece and roast in a shallow pan on a rack in a preheated 450°F. oven for 35 to 40 minutes (lamb will be pink in the French manner). Remove lamb to a platter and keep warm. For sauce, drain excess fat from roasting pan; add onion, cider, and beef broth to pan. Cook on top of range, scraping all particles. Bring to a boil and boil gently until liquid is half its original volume. Stir in tomato soup. Simmer until sauce is thickened. Saute thawed artichoke hearts, mushrooms, potatoes in ½ cup of the butter until golden. Sprinkle tomatoes with salt and pepper. Dot with remaining butter and broil until tomatoes are easily pierced. In small pan, heat celery hearts in broth from can. Drain, sprinkle with grated Parmesan cheese. Serve lamb on a platter accompanied by sauce and surrounded by artichoke hearts, button mushrooms, potatoes, tomatoes, celery hearts. Garnish with parsley. Serves 6.

DUCKLING A L'ORANGE

- | | |
|-----------------------------------|--|
| 1 duckling, 4½ to 5 lbs. | 1 tablespoon honey |
| 1 can (10½ ozs.) cond. beef broth | 1 teaspoon lemon juice |
| 1 cup orange juice | 1 tablespoon orange rind, cut in thin strips |
| 2 tablespoons cornstarch | |

On rack in a shallow baking pan, roast duckling at 325°F. for 2 to 2½ hours (about 30 minutes per pound). Meanwhile, in saucepan, combine remaining ingredients except orange rind. Cook until thickened, stirring constantly. Remove duck; pour off fat. Stir sauce into drippings in pan. Add orange rind; heat. Cut duckling into serving-size pieces; arrange on serving platter. Pour part of sauce over duckling; serve remaining sauce. Garnish with orange sections and cherries. Serves 4.

CHICKEN CASSEROLE

Boil a large fryer until tender. Cool and dice. Saute 1 large onion in ½ stick margarine. Add 3 cans cream of chicken or cream of mushroom soup; 1 small can green chili pepper, diced; ½ can (small) tomato juice or about 1 cup. Add chicken, heat well. Cook rice in the broth where chicken was cooked. In a large casserole, mix rice and chicken mixture. Top with sliced cheese. Place under broiler until cheese melts and is light brown. Makes 12 to 15 servings.

CARRE OF LAMB SARLADAISE

- | | |
|---------------------------------|-----------------------------------|
| 1 rack of lamb, about 4 lbs. | ½ cup cider |
| Salt, pepper, crumbled rosemary | 1 can (10½ ozs.) cond. beef broth |
| 4 medium Idaho potatoes, peeled | 2 tablespoons flour mixed with |
| ¼ cup butter | ¼ cup water |
| 1 can (⅞ oz.) truffles | |

Sprinkle lamb with salt, pepper, and crumbled rosemary. Roast on a rack in a shallow pan in a preheated 350°F. oven for 1 hour or until lamb is just done. Slice potatoes very thinly and dry well. Melt butter in a large skillet. Arrange slices of potato in skillet in layers. Slice half of the truffles and add to the potatoes. Cook until brown on one side, turn and brown on other side. In another skillet combine remaining truffles which have been chopped, cider, and beef broth. Stir flour mixture into broth. Cook over low heat, stirring constantly, until sauce bubbles and thickens. Carve lamb into slices. Serve slices of lamb with hot sauce and potatoes. Serves 4.

CRAZY GRITS

- | | |
|----------------------|-----------------------------|
| 4 cups boiling water | ½ cup (1 stick) margarine |
| 1 teaspoon salt | 1 tablespoon Worcestershire |
| 1 cup grits | 2 eggs, separated |
| ½ roll garlic cheese | ½ cup grated cheese |

Cook together salt and grits in boiling water for 3 minutes. Add garlic cheese, margarine, Worcestershire and beaten egg yolks. Stir well. Fold in the stiffly-beaten egg whites. Pour into greased baking dish. Top with grated cheese. Sprinkle with paprika. Bake at 325 degrees for 20 to 25 minutes.

PINEAPPLE SUPREME PIE

- | | |
|--|-----------------------|
| 1 can sweetened condensed milk (not evaporated milk) | 1 cup chopped nuts |
| 1 large can crushed pineapple | ¼ cup lemon juice |
| | ½ pint whipping cream |

Combine milk, pineapple, nuts and lemon juice. Whip the cream very stiff, fold into mixture. Pour into graham cracker crust. Chill.

MALLOW-NUT FUDGE CAKE

- | | |
|---------------------------|-------------------------------------|
| 3 oz. chocolate, cut fine | ½ cup Spry or Crisco |
| ¾ cup boiling water | ½ cup thick sour milk or buttermilk |
| 1¾ cups sifted cake flour | 1 teaspoon vanilla |
| 1½ cups sugar | 2 eggs, unbeaten |
| ¾ teaspoon salt | 18 marshmallows, cut in half |
| ½ teaspoon baking powder | ½ cup nuts |
| ¾ teaspoon soda | |

Put chocolate in mixing bowl. Pour boiling water over chocolate, stir until melted. Cool. Sift flour, sugar, salt, baking powder, and soda into mixture. Add shortening and beat 2 minutes at low speed. Add sour milk, vanilla, and eggs. Beat as before. Bake in 2 greased 8x8x2 square pans at 350 degrees 30 to 40 minutes. While cake is warm, press marshmallows on one layer. Spread with Minute-Boil Frosting. I also put marshmallows on top of cake and put pecans on top of chocolate-covered mallows. (I double recipe of Fudge Frosting.)

MINUTE-BOIL FROSTING: Put in saucepan 2 oz. chocolate, finely cue; 1½ cups sugar, 7 tablespoons milk, 2 tablespoons Crisco, 2 tablespoons butter, 1 tablespoon corn syrup, and ¼ teaspoon salt. Bring to a full rolling boil, stirring constantly. Boil briskly 1 minute (1½ minutes on rainy or humid day). Cool to lukewarm. Add 1 teaspoon vanilla and beat until thick enough to spread.

COCONUT CREAM PIE

- | | |
|--------------------------|---------------------------|
| 1¾ cups milk | 2 tablespoons butter |
| ¾ cup sugar | ½ teaspoon vanilla |
| ½ teaspoon salt | ¼ teaspoon almond extract |
| 3½ tablespoons flour | 2 egg whites |
| 2 tablespoons cornstarch | ¾ cup flaked coconut |
| 1 egg plus 2 egg yolks | 1 cup whipping cream |

Scald half of milk, add ½ cup of the sugar and salt, bring to a boil. Mix flour, cornstarch and beaten egg and yolks with remaining milk, beat until smooth. Add a little of the hot milk, blend. Combine both mixtures and cook over low heat until thick, stirring frequently. Remove from heat, add butter and flavorings. Beat until smooth. Beat egg white until frothy, add rest of sugar, beat until stiff. Fold the custard into egg whites. Sprinkle half of coconut into mixture, pour into baked 9-inch pie shell. Whip cream, cover top. Sprinkle with remaining coconut.

SPICED FRESH RHUBARB PIE

- | | |
|----------------------------|-------------------------------------|
| Pastry for 2-crust, 9" pie | ½ teaspoon ground cinnamon |
| 5 cups diced fresh rhubarb | 2 tablespoons quick cooking tapioca |
| 1½ cups sugar | 2 tablespoons butter or margarine |
| ¼ teaspoon salt | 1 teaspoon grated fresh lemon peel |
| ½ teaspoon ground mace | |

Line 9" pie plate with pastry rolled to ⅛-inch thickness. Combine remaining ingredients. Turn into pastry-lined pie plate. Cut remaining pastry into ½" strips and arrange over top of pie in lattice fashion. Bake in preheated 450 degree oven 15 minutes. Reduce heat to 350 degrees and bake 30 minutes or until rhubarb is tender and the crust is brown. Makes 6 servings.



The material needed for starting seedlings is pictured. Use sterile containers and planting medium, either



sterilized soil or vermiculite. Press the moist planting medium firmly in the container.



Tap the seed packet with your forefinger to distribute the seed at the rate recommended on the label.

How to start and grow seedlings

It is not too early to start seedlings and hurry up gardening pleasures. The following instructions were prepared by USDA horticulturists:

The best soil for starting seeds is loose, well drained, fine textured, and low in nutrients. To prepare a soil having tense properties, mix equal parts of garden soil, sand and sphagnum peat moss.

You have a wide selection of containers—individual pots, trays or flats. (Flats are durable, shallow boxes, 2-1/2 or 3 inches deep.) Peat pots are popular with many gardeners, especially beginners, because they can cushion the shock to the seedlings at transplanting time. The rank beginner can even purchase starter sets, complete with optimum soil needs already there.

Fill soil containers about two-thirds full with this mixture. Level the soil and soak it thoroughly. Then sift more of the soil mixture through window screening to form a layer that fills one-fourth to one-half of the remaining depth of the container.

Make a furrow one-fourth to an inch deep in the fine soil. Sow large-seeded plants—cosmos, zinnia, marigold, nasturtium, cornflower, sweetpea, morning-glory, or four-o'clock—directly in the bottom of the furrow. Before sowing small seeded plants, fill the furrow with vermiculite; sow small seed on the surface of the vermiculite.

Sow seed in flats at the rate recommended on the seed packet. If you are growing large-seeded plants in

peat pots, sow two to four seeds in each pot.

After you have sowed the seeds, cover all furrows with a thin layer of vermiculite, then water with a fine mist.

Place a sheet of polyethylene plastic over the seeded containers, being careful that the plastic is held up so that plants will not touch it. Set the containers in the basement or some other location where they can be kept at a temperature between 60 and 75 degrees.

The containers need no further water until after the seeds have germinated. As soon as the seed has germinated, open the plastic cover the first day to expose the seedlings to the room air. Later, remove the plastic sheeting and place the seedlings in the light.

Many gardeners supply light to the seedlings by placing the containers on a window sill. This practice usually is unsatisfactory; light

on a window sill is usually diffused, it comes from only one direction, and the period of strong daylight varies from day to day. In addition, the air surrounding plants on a window sill is too dry and the temperature is too high.

For best results, seedlings should be raised under lighting conditions that can be closely controlled as to intensity and duration.

Use a fluorescent tube as the light source. For proper intensity, place the containers 6 inches below the tube. Control the duration of lighting by connecting the fluorescent fixture to a timer such as is used for controlling refrigerators or air conditioners.

Some plants develop best for transplanting if they are grown under short-day conditions—10 to 12 hours of light each day. Under these conditions they produce compact plants that flower only after they are set outside. These plants usually do best also if the temperature is kept between 60 and 65 degrees. Grow the following seedlings on short days:

| | |
|----------------|--------------|
| Calliopsis | Poppy |
| China-aster | Portulaca |
| Cornflower | Rudbeckia |
| Gaillardia | Salpiglossis |
| Globe-amaranth | Scabiosa |
| Petunia | Snapdragon |
| Phlox | Verbena |

Most plants need longer days—18 hours of light each day. If they are started on short days they soon begin to form flowers, and they never produce good bedding plants. Grow





Cover large seeds with a layer of fine vermiculite. Leave small seeds uncovered. Wet the seeded container until



water runs out of bottom. Place the seeded container in a polythylene bag and keep it in a warm place



until the seeds germinate. Then remove the bag and begin watering and fertilizing the seedlings.

the following seedlings with a day length of 18 hours and a temperature of 65 degrees:

| | |
|-----------|---------------|
| Cockscomb | Morning-glory |
| Cosmos | Scarlet sage |
| Dahlia | Sunflower |
| Marigold | Zinnia |

If your plants are on neither of these lists, grow them with a day length of 18 to 20 hours.

Day length is not important for plants grown at temperatures of 50 to 55 degrees. However, seedlings grown at these low temperatures develop more slowly than those grown at 60.

After the plastic is removed from the container, the new plants must be watered frequently, and they must be fertilized. You can do both of these jobs at one time by using a solution made by mixing 1 table-

spoon of soluble fertilizer in 1 gallon of water.

When you use this solution, moisten the soil thoroughly. And be careful not to wash out the seedlings when you water them. To avoid this, use a rubber-bulb syringe—available from garden stores—to apply the solution as a fine mist.

If you do not have syringe, you can place the solution in a container that is somewhat larger than the seed containers and submerge the pots or flats up to their rims in the solution. This waters the plants from the bottom. Remove pots or flats from solution as soon as soil is thoroughly moistened.

You also can water flats without disturbing the soil if you sink a small flower pot in the center of the flat and pour the water into the

pot.

When seedlings develop two true leaves, thin those in peat pots to one seedling per pot. Transplant those in flats to other flats.

Use a knife or spatula, dig deeply under the seedling in the flats, lifting a group of seedlings. Let the group of seedlings fall apart and pick out individual plants from the group. Handle seedlings as little as necessary. Don't squeeze them.

Set the seedlings in new flats that contain the same soil mixtures as was used for starting the seed. Space the seedlings about 1-1/2 inches apart in the flats.

Water thoroughly and replace the seedlings under the fluorescent lights. Continue watering and fertilizing the plants until time for setting them out.

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| | 2 ¹ / ₄ | 2 | 1 ³ / ₄ | 1 ³ / ₄ | 1 ⁵ / ₈ | 1 ¹ / ₂ | 1 ³ / ₈ | 1 ¹ / ₄ |
| | 2 ¹ / ₂ | 2 ¹ / ₄ | 2 | 2 | 1 ³ / ₄ | 1 ⁵ / ₈ | 1 ¹ / ₂ | 1 ³ / ₈ |
| | 2 ³ / ₄ | 2 ¹ / ₂ | 2 ¹ / ₄ | 2 ¹ / ₄ | 2 ¹ / ₈ | 1 ³ / ₄ | 1 ³ / ₄ | 1 ⁵ / ₈ |
| | 3 ¹ / ₈ | 2 ⁷ / ₈ | 2 ¹ / ₂ | 2 ¹ / ₂ | 2 ¹ / ₄ | 2 | 1 ⁷ / ₈ | 1 ³ / ₄ |
| | 3 ³ / ₈ | 3 ³ / ₈ | 2 ³ / ₄ | 2 ³ / ₄ | 2 ¹ / ₂ | 2 ¹ / ₄ | 2 | 1 ⁷ / ₈ |
| | 3 ³ / ₄ | 3 ³ / ₈ | 3 | 2 ⁷ / ₈ | 2 ³ / ₄ | 2 ³ / ₈ | 2 ¹ / ₄ | 2 |
| | 4 | 3 ³ / ₄ | 3 ¹ / ₄ | 3 ¹ / ₈ | 2 ⁷ / ₈ | 2 ⁵ / ₈ | 2 ³ / ₈ | 2 ¹ / ₄ |
| | 4 ³ / ₈ | 4 ¹ / ₄ | 3 ¹ / ₂ | 3 ³ / ₈ | 3 ¹ / ₈ | 2 ³ / ₄ | 2 ⁵ / ₈ | 2 ³ / ₈ |
| | 4 ⁵ / ₈ | 4 ¹ / ₂ | 3 ³ / ₄ | 3 ⁵ / ₈ | 3 ³ / ₈ | 3 | 2 ³ / ₄ | 2 ⁵ / ₈ |
| | 5 | 4 ³ / ₄ | 4 | 3 ⁷ / ₈ | 3 ⁵ / ₈ | 3 ¹ / ₄ | 2 ⁷ / ₈ | 2 ³ / ₄ |
| | 5 ¹ / ₄ | 5 | 4 ¹ / ₄ | 4 ¹ / ₈ | 3 ⁷ / ₈ | 3 ³ / ₈ | 3 ¹ / ₈ | 2 ⁷ / ₈ |

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| Spiraea, Anthony Waterer—Red, 1 ft. ----- | | .39 | 1.79 | | | | |
| French Lilac—Red, White, Purple, 1 to 2 ft. ----- | | .98 | 4.49 | | | | |
| Scotch Broom, 1 to 2 ft. ----- | | .29 | .99 | | | | |
| *Hypericum, 1 ft. ----- | | .19 | .89 | | | | |
| Spice Bush, 1 to 2 ft. ----- | | .29 | .99 | | | | |
| Butterfly Bush—Purple, 1 to 2 ft. ----- | | .49 | 2.29 | | | | |
| Butterfly Bush—Pink, 1 to 2 ft. ----- | | .49 | 2.29 | | | | |
| Vitis—Purple, 1 to 2 ft. ----- | | .39 | 1.79 | | | | |
| Green Barberry, 1 to 2 ft. ----- | | .29 | .99 | | | | |
| Azalea—White, Purple, Red or Pink, 1/2 to 3 ft. ----- | | .59 | 2.49 | | | | |
| *Hydrangea Arborescens— 1 to 2 ft. ----- | | .29 | .99 | | | | |
| Spiraea Thunbergii, 1 to 2 ft. ----- | | .29 | .99 | | | | |
| Witchhazel, 1 to 2 ft. ----- | | .39 | 1.79 | | | | |
| FLOWERING TREES—1 or 2 Years Old | | | | | | | |
| Magnolia Grandiflora, 1/2 to 1 ft. ----- | | \$.49 | \$1.98 | | | | |
| Magnolia Niagarensis, 1 to 2 ft. ----- | | 1.39 | 6.49 | | | | |
| Mimosa—Pink, 2 to 4 ft. ----- | | .29 | .99 | | | | |
| Mimosa—Pink, 3 to 4 ft. ----- | | .49 | 1.98 | | | | |
| Mimosa—Pink, 4 to 6 ft. ----- | | .89 | 3.98 | | | | |
| American Red Bud, 2 to 3 ft. ----- | | .79 | 3.49 | | | | |
| White Flowering Dogwood, 2 to 3 ft. ----- | | .29 | .99 | | | | |
| White Flowering Dogwood, 4 to 6 ft. ----- | | 1.29 | 5.98 | | | | |
| Pink Flowering Dogwood, 1 ft. ----- | | 1.29 | 5.98 | | | | |
| Pink Flowering Dogwood, 2 ft. ----- | | 1.98 | 8.98 | | | | |
| Pink Flowering Dogwood, 3 to 5 ft. ----- | | 3.98 | 18.98 | | | | |
| Golden Rain Tree, 1 to 2 ft. ----- | | .79 | 3.49 | | | | |
| Golden Rain Tree, 3 to 4 ft. ----- | | 2.49 | 11.98 | | | | |
| Smoke Tree, 1 to 2 ft. ----- | | .79 | 3.49 | | | | |
| Purple Leaf Plum, 1 to 2 ft. ----- | | .59 | 2.49 | | | | |
| Purple Leaf Plum, 2 1/2 to 4 ft. ----- | | .89 | 3.98 | | | | |
| Purple Leaf Plum, 4 to 6 ft. ----- | | 1.98 | 8.98 | | | | |
| Flowering Peach—Red or Pink, 2 to 3 ft. ----- | | .89 | 3.98 | | | | |
| Dbi. Pink Flowering Cherry, 3 to 5 ft. ----- | | 3.98 | 18.98 | | | | |
| Flowering Crab—Red or Pink, 2 to 3 ft. ----- | | .98 | 4.49 | | | | |
| Flowering Crab—Red or Pink, 4 to 6 ft. ----- | | 1.98 | 8.98 | | | | |
| Chinese Red Bud, 1 to 2 ft. ----- | | .49 | 1.98 | | | | |
| Dwarf Red Buckeye, 1/2 to 1 ft. ----- | | .69 | 2.98 | | | | |
| Magnolia Soulangiana, 1 to 2 ft. ----- | | 1.39 | 6.49 | | | | |
| Weeping Peach, Red or Pink, 2 to 3 ft. ----- | | 1.29 | 5.98 | | | | |
| White Flowering Peach, 2 to 3 ft. ----- | | .89 | 3.98 | | | | |
| Japanese Flowering Cherry, 3 to 5 ft. ----- | | 3.98 | 18.98 | | | | |
| European Mountain Ash, 3 to 4 ft. ----- | | 2.49 | 11.98 | | | | |
| Paul's Scarlet Hawthorn, 2 1/2 to 5 ft. ----- | | 4.49 | 19.98 | | | | |
| *Big Leaf Cucumber, 3 to 5 ft. ----- | | 1.69 | 7.95 | | | | |
| White Fringe, 2 to 3 ft. ----- | | 1.29 | 5.95 | | | | |
| Red Flowering Dogwood, 1 ft. ----- | | 1.29 | 5.95 | | | | |
| Red Flowering Dogwood, 2 ft. ----- | | 1.49 | 6.98 | | | | |
| Red Flowering Dogwood, 3 to 4 ft. ----- | | 3.98 | 18.98 | | | | |
| 5-N-1 Flowering Crab, 3 ft. ----- | | 3.98 | 18.98 | | | | |
| SHADE TREES—1 or 2 Years Old | | | | | | | |
| Silver Maple, 3 to 4 ft. ----- | | \$.39 | \$1.59 | | | | |
| Silver Maple, 4 to 6 ft. ----- | | .79 | 3.49 | | | | |
| Chinese Elm, 2 ft. ----- | | .39 | .89 | | | | |
| Chinese Elm, 3 to 4 ft. ----- | | .39 | 1.59 | | | | |
| Chinese Elm, 4 to 6 ft. ----- | | .79 | 3.49 | | | | |
| Green Weeping Willow, 2 to 3 ft. ----- | | .39 | 1.59 | | | | |
| Green Weeping Willow, 4 to 6 ft. ----- | | .69 | 2.98 | | | | |
| Catalpa Tree, 2 to 3 ft. ----- | | .29 | .99 | | | | |
| Ginkgo Tree, 1 to 2 ft. ----- | | .79 | 3.49 | | | | |
| Ginkgo Tree, 3 to 4 ft. ----- | | 2.98 | 13.95 | | | | |
| Pin Oak or Red Oak, 2 ft. ----- | | .79 | 3.49 | | | | |
| Pin Oak or Red Oak, 3 to 5 ft. ----- | | 1.29 | 5.99 | | | | |
| Willow Oak or Scarlet Oak, 2 ft. ----- | | .79 | 3.49 | | | | |
| Willow Oak or Scarlet Oak, 3 to 5 ft. ----- | | 1.29 | 5.99 | | | | |
| Our plants are Nursery grown from cuttings, seeds, or budded stock unless otherwise stated. These have never been transplanted except those marked with (*) asterisks; which means those are collected from the wild state. Inspected by the Tennessee Dept. of Agriculture. This gives you a chance to buy at lower grower prices. SATISFACTION GUARANTEED ON ARRIVAL OR WE WILL EITHER REPLACE OR REFUND YOUR MONEY. You may order as many or as few plants as you wish. Send 99 cents extra with order for postage and packing. | | | | | | | |
| SAVAGE FARM NURSERY | | | | | | | |
| P. O. Box 1251L McMinnville, Tennessee 37110 | | | | | | | |