

Illinois
R.E.N.
RURAL ELECTRIC NEWS
February, 1971



They're concerned about Illinois' environment

National News Notes

Utilities set production marks

■ The electric utility industry last year set records in generating power and in revenues. But in many parts of the nation it was not a good year for power producers or their consumers. There was a return of blackouts, brownouts and dangerously small reserves. For example, the Northeast Public Power Association has cited a Federal Power Commission report indicating that New England had total reserves of only 9.7 per cent. The national average was 21.8 per cent.

In Illinois, William E. Dean, director of the Association of Illinois Electric Cooperatives' Power Supply Department, is cautiously optimistic—for this area. Needs of electric cooperative members are being taken care of and suppliers are expanding their facilities.

Co-ops helping in Nebraska

■ Would you believe that rugged Nebraska is changing from a predominantly rural to an industrial state? And that the availability of cheaper electric power, because it is cooperatively owned, is a big factor in the change?

Nearly all the electric power in the state is produced by publically owned cooperatives—and rates are lower than in areas served by investor-owned utilities, says the Cooperative News Service.

And the New York Times reports that in the past decade 50 new factories have sprung up in "rural" Nebraska. Industry employment in the state is now reported at 84,000, compared with 104,000 on farms.

Pollution termed 'major problem'

■ Different polls at different times produce different results . . . but one recent poll by Louis Harris and Associates indicated that "Americans rate pollution as the 'most serious problem' facing their communities—nine points ahead of crime." Most of those responding said government should "become involved in efforts to solve pollution problems . . ." This apparently is happening with increasing intensity.

Utility seeks low-cost loan

■ Consolidated Edison Co. in New York plans a 1,200-apartment cooperative housing development to be located in New York City. It will cost about \$45-million. The giant utility seeks financing under the Mitchell-Lama program which provides for long-term, low-cost loans from the New York state government.

Partridge asks curb on boosts

■ Robert D. Partridge, general manager of the National Rural Electric Cooperative Association, is urging President Nixon to curb inflationary trends in the power industry which, he says, threaten the well-being of rural electric cooperative consumers across the country.

An adequate supply of power is essential. But so, too, is a price that is as low as possible. And prices charged electric cooperatives for the power they buy at wholesale from commercial utilities have been going up substantially. This makes it difficult, and not infrequently impossible, for cooperatives, even with the best possible management and with the splendid cooperation of their members, to hold their own line on prices.

No swift change at Farm Bureau

■ William J. Kuhfuss, newly named president of the American Farm Bureau, expects no major changes in the nation's largest farm organization as a result of his election to the presidency, succeeding Charles B. Shuman, long-time president, who retired.

In Winchester, Illinois, for an address before the Scott County Farm Bureau, he told Wayne Leeman of the St. Louis Post-Dispatch, "Any adjustment to new conditions will be evolutionary and not revolutionary."

In his speech he reported, "We now have 1,943,181 member-families, which . . . If we do as well next year, and I see no

Published by
 Association of Illinois Electric
 Cooperatives

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COVER—From left, at Illinois Rural Development Workshop: Clement Ikins, Milford; Governor Richard B. Ogilvie; Joseph F. Hanson, Decatur; G. V. Beer, Bloomington, and Gordon L. Ropp, director, Illinois Department of Agriculture. Hanson is Illinois REA field representative, electric. Ikins and Beer are electric cooperative representatives. Story on page 4 and 5.

ILLINOIS R.E.N. RURAL ELECTRIC NEWS is the official monthly publication of the Association of Illinois Electric Cooperatives, U.S. Route 66 & Hoecheater Road, Springfield, Illinois 62707.

Subscription price, \$2.00 per year. Advertising and editorial inquiries should be directed to the Illinois Rural Electric News, P.O. Box 3738, Springfield, Illinois 62708. National advertising representative: Southwest Doilies, 360 N. Michigan Ave., Chicago, Illinois. Member, Illinois Press Association.

POSTMASTER: in using Form 3579, address to Illinois Rural Electric News, P.O. Box 3787, Springfield, Illinois 62708.

Second Class postage paid at Springfield, Illinois and at additional mailing offices.

Power: Today and in the Future

This month Illinois and the nation observe National Electric Week . . . and it's a good time to take a look at some of the facts about electricity and its service to mankind that normally are overlooked.

We're all painfully aware of the shortcomings of this major industry . . . the pollution problems of its generating plants, the failures in some areas to provide adequate low-cost power which has become essential in this modern age, and others. We even are becoming increasingly dissatisfied with the unattractiveness of some overhead transmission and distribution lines. In some others we find beauty.

Partial solutions to some of these problems already have been found and more will be forthcoming. On some problems, a compromise may be reached. Some experts, for example, say a perfect solution to the problem of generation pollution may be years away, while the need for more generating capacity is now.

BUT LET'S LOOK at some other facets of the electric industry.

Electric heat grows in popularity, not only in homes but in major business structures, in schools, churches and in factories.

Only a few years ago a survey found that one in every five families would prefer an electric heating system if they bought a home. Today, more than one family in three lists electric heat as their first choice. Among the under-29 age group, 44 per cent expressed a preference for electric heat. And among Illinois electric cooperative members, the desire—and adoption— of electric heat is growing with startling rapidity.

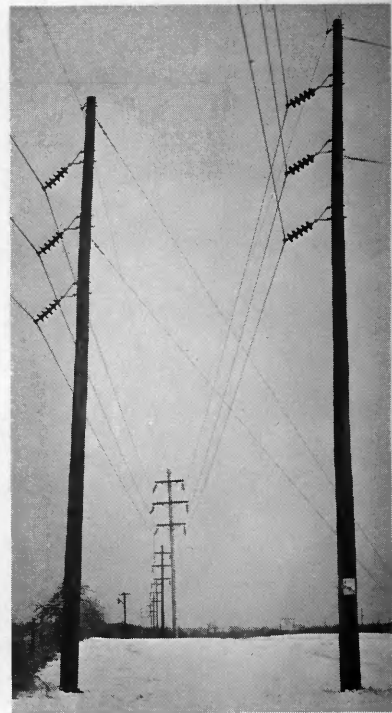
American farmers surpass those of any other nation in productivity, and electricity is one essential tool. Electricity performs at least 400 agricultural tasks which formerly were done by manual labor. At the start of this century, a U.S. farmer produced enough for himself and six other persons. Today, he produces enough for himself and 42 others!

ADDITIONAL training during their careers is common for people in the electrical industry as they keep up with advances so they can be of greater service. Electric cooperative linemen study regularly and attend special training courses. They work hard at them. Cooperative managers, directors and other key personnel frequently attend work-packed training sessions so they may perform even more efficiently for their members.

Electricity gives the average factory worker in the U. S. the energy equivalent of 535 men helping him on the job all year long.

And planned expansion of the electric utility industry is at record levels. During the next few years alone, the new generating capacity installed in the United States may exceed the total capacity which was in service at the end of 1960!

In the year 2,000, less than 30 years from now, the United States will have a population that may approach 300-million. The availability of dependable electric service certainly will, to a great extent, determine the quality of life in that not-so-far distant future.



Can We Save Rural Areas

By
John F. Temple

We can destroy our nation as we know it today if we continue our present rate of pollution, contamination and self-destruction.

Dr. Henry L. Ahlgren, tall, impressive and deadly serious, didn't put it in those exact words, but that seemed to be the sense of what he was saying recently to the first Illinois Rural Development Workshop at Starved Rock State Park.

A former prestigious university professor, he now is deputy under-secretary of agriculture for rural development, United States Department of Agriculture.

HE HAD COME to Illinois from Washington to deliver the workshop keynote address, and more than 50 key individuals, including cooperative representatives, listened in attentive silence.

urban areas tightly together. They are interdependent. Solution to one depends upon the successful solution of the other.

DR. AHLGREN went on:

"If we continue moving into metropolitan areas, some statisticians say, by the year 2,000, not far away, perhaps 90 per cent of all our people will be in vast urban lands.

"Then we will be on a collision course with disaster."

Dr. Ahlgren said storm flags fly everywhere . . . the housing blight . . . the sprawling urban blight . . . contamination, pollution . . .

"Cities," he asserted, "are becoming socially intolerable, politically unmanageable, economically inefficient.

"This MUST not continue."

"That is not true now.

"We believe we are at a point of crisis, and action is imperative."

Such action, such united efforts on the part of many individuals and groups, both in and out of government, will mean vast changes for the rural areas of Illinois and the electric cooperatives that serve so much of this area.

THAT IS ONE of the reasons G. V. Beer, manager of Corn Belt Electric Cooperative, Bloomington, and Clement Ikins, a director of Eastern Illinois Power Cooperative, Paxton, were present.

Beer is chairman and Ikins is a member of the Area Economic and Community Development Com-



From Farmers Home Administration (l. to r.) Ernest W. Walker, Kenneth A. Stark and Bernard J. Kaufmann. Stark is FFA state director. More than 50 persons attended a Rural area development workshop.



Paul R. Willey, left, receives congratulations from Gordon L. Ropp. With them, another speaker, Donald R. Pacey.

Referring to pollution and environmental control. Dr. Ahlgren declared:

"Our course, our actions, in the next 15 to 20 years will determine in large measure what kind of nation we are to have in the future. Some say we must effect major changes in the next two or three years if our present way of life is to survive."

No wonder his knowledgeable listeners seemed as serious as he.

He linked the welfare, the prosperity and the problems of rural

ONE SOMBER listener muttered to a companion, "Yes, but we only talk; we don't act. And without action we can achieve nothing.

The speaker might have read the man's mind. He said:

"Top levels of government, including President Nixon, are dead serious about doing something effective concerning this whole problem. This includes the achieving of better distribution of our population. In the past we have talked much and too frequently we have, along with countless others, sat on our hands.

mittee of the Association of Illinois Electric Cooperatives. Ikins also is an AIEC director.

DR. AHLGREN agreed that there is some business and industry moving to rural Illinois and rural America. But there is not enough. Many rural resources are underdeveloped, and that, Dr. Ahlgren said, is where many new jobs will come from.

"RURAL DEVELOPMENT is a concept, a project that must involve all agencies of government," he declared. "It must involve private groups—and most of all it must in-

and Win Pollution Battle?

volve people in communities. It must become a coordinated series of programs based on the needs of the people themselves. It must involve all our resources."

And so, Dr. Ahlgren, recognizing the magnitude and the difficulty of the problem, was cautiously, determinedly optimistic.

So, apparently, is Governor Richard B. Ogilvie, J. B. Claar, director, Illinois Cooperative Extension Service and chairman of the Illinois Rural Development Committee that put the workshop together, Kenneth A. Stark, state director, Farmers Home Administration, the Rev. C. E. F. Howe of the Illinois Council of Churches, Harvey J. Schweitzer of the University of Illinois Department of Agricultural Economics, Paul R. Willey, mayor of Hammond, Illinois, Gordon L. Ropp, director, Illinois Department of Agriculture—and a great many others.

GOVERNOR OGILVIE in his address termed the workshop "A

ties of urban life to our non-metropolitan areas," he said.

"It is a bold strategy, for it marks a total reversal of our time-honored policy of encouraging the movement of people to new opportunities through migration. . . .

"There must be incentives which relate to the well-defined advantages of rural life rather than cater to the escapist's desire to flee the problems of the city. We must begin now to formulate a comprehensive state growth policy for both metropolitan and non-metropolitan Illinois."

GOVERNOR OGILVIE said he is now analyzing the feasibility of establishing a permanent rural development cabinet in state government. This, he said, would serve as a "coordinating mechanism to cut across departmental lines while assuring the governor's direct personal involvement. Such a mechanism already has served us well in the health field."

rural development will lag unless its leaders encourage the training of more professional leadership at the local level. Too many part-time rural officials lack the experience necessary to implement the innovative programs required by such a sweeping effort, he said.

And Governor Ogilvie agreed wholeheartedly with Dr. Ahlgren in defining "probably the most important factor" of success:

"An effective program of rural development will never become a reality without the strong involvement of the private sector. Government can provide the framework for this effort, but the real muscle—most of the brains and resources, and the dedication—must come from business firms, civic organizations, and citizens who deeply care about the future of Illinois."

THERE WAS experienced maturity and exceptionally vigorous youth represented among the more than 17 speakers during the two-day



Among workshop participants, from left: The Rev. C. E. F. Howe, Mercer Turner and Harvey J. Schweitzer.



Dean Orville Bentley, Dr. John B. Claar and Dr. Howard G. Roepke, all of the University of Illinois. Dr. Claar is chairman of the Illinois Rural Development Committee which planned a recent workshop on this subject.

trail-blazing effort to develop a coherent policy relating to rural development.

He made it clear that he is aware of the crisis of rural development. He outlined many of the significant steps the state government already has initiated. But he pointed out that this is only a beginning, the initial attack on a monstrous problem with which all of Illinois must come to grips.

"The only strategy with any hope of success is one which seeks to bring the advantages and opportuni-

The governor said he is convinced that no rural development strategy can succeed "unless we proceed from a few fundamental realities."

First, he observed, "we must face the fact that many rural people are not really concerned about rural development.

"They are satisfied with their lives, and they often view such efforts as threats to the stability of their communities. It will require a broad-based and ambitious sales effort if we are to succeed."

Second, the governor continued,

workshop. One of the latter was 18-year-old Mercer Turner, Wapella, Illinois state president, Future Farmers of America.

Speaking quietly but with poised determination, he said, "Today's youth doesn't want to be a part of America's problem; we hope we are a part of solving America's problems." The Future Farmers of America is a prime example of the strong desire of young people to help. We want to, and are, becoming involved in America's future."

(Continued on page 17)

Lincoln Trail Draws Millions of Visitors

By Richard D. Haney

Imagine young Abe Lincoln, tall, lean, story-telling Abe, wearing his famous stovepipe hat, traveling by horseback with other attorneys through the sparsely settled 12,000 square mile Eighth Circuit of Illinois.

Or picture Lincoln during childhood, and later as a young man, roaming over hill and through wood, marveling at nature's majestic countryside stretching splendidly about him.

Millions of tourists from Illinois, other states, and even foreign countries, will have similar thoughts in mind as they plan vacations taking them over the famed Lincoln Heritage Trail.

THE TRAIL, marked and established in 1963, meanders through Indiana, Kentucky, and much of the Illinois area served by Illinois electric cooperatives.

Northern trail tourists will discover northeast of Peoria in Woodford county's Metamora an old Greek-styled building which is a state memorial to Lincoln. The building contains a restored courtroom and houses a museum. And don't forget to see in front of the court house what local tradition proclaims to be the "old metal hitching rail" to which Lincoln would secure his trusty steed.

Tourists on the extreme southern trail in Kentucky can stop at Hodgenville to see the cabin marking Lincoln's birthplace—a cabin which sheltered one of America's greatest presidents.

IN INDIANA, tourists can stop at Vincennes where young Abraham visited many times Elihu Stout's pioneer printshop, which stands today as it did then. At Fort Wayne, Indiana, is one of the largest Lincoln museum collections with items that can be seen no other place in the world.

Many families find the 2,200-mile Lincoln Heritage Trail ideal not only for vacations, but also for weekend trips as they see and learn about the area which gave rise to Lincoln's progress.

A major purpose of the trail is to encourage travelers to pass through several small towns throughout In-

diana, Kentucky, and Illinois, while at the same time increasing their historical knowledge of Lincolnland.

An advantage of the trail is that many state parks, motels, and restaurants along the way add to the comfort and convenience of the trip.

THE LINCOLN Heritage Trail is an array of almost endless attractions as it transports travelers back to the place from which they started. Once getting on the trail, all one has to do is to continue following the many historical roadside Lincoln Heritage Trail emblems "through the states which gave him to the ages," the motto of the Lincoln Heritage Trail Foundation.

The Foundation was created in 1965 under the auspices of the states of Kentucky, Indiana, and Illinois with the cooperation of the American Petroleum Institution. The group is dedicated to the preservation and perpetuation of Lincoln shrines found along the trail.

Additional information about the Trail, including a free map outlining things to see and do, may be obtained by writing the Foundation, 216 South First Street, Champaign, Illinois 61810.

IN ILLINOIS, New Salem State Park, the area where Lincoln came at the age of 22 and lived and worked for six years has been reconstructed with historical accuracy.

Much can be said for Lincoln as his words of wisdom have been cemented to the pages of history. His power and influence remain strong yet today as Illinois on each automobile license plate proclaims "Illinois—Land of Lincoln."

As Lincoln developed into manhood in Illinois, he believed in the matter of law and human rights. It was at the court house square in Shelbyville that Lincoln held his first debate for civil liberties. This landmark incident took place on June 15, 1856 and launched Lincoln's rise to the famous debates with Stephen A. Douglas.

Charleston, the home of Eastern Illinois University, was also the homesteads of Lincoln's father and stepmother and is the final resting place of Thomas Lincoln and honest Abe's beloved stepmother, Sarah Bush Lincoln. Charleston's public square was the scene of the 1864

(Continued on page 16)



The stately House of Representatives chamber in the beautifully restored Old State Capitol building in Springfield draws visitors from all over the nation and from any foreign lands.

There may be some 210-million people living in the United States, in cities, towns and country. (There will be more before you read this paragraph.)

Twenty-five million depend on the nation's nearly 1,000 electric cooperatives for their power.

In Illinois, more than a half-million depend on 27 distribution cooperatives for power, and, of course, the number is growing as the state becomes more crowded and more families and businesses respond to the lure of our "open country."

ELECTRIC cooperative people tend to be special kinds of people. Every one of them is a direct owner of the cooperative that serves them. The cooperative headquarters themselves are located in the midst of the cooperative territory and "hometown" people—frequently your neighbors—work for them and "keep the power flowing."

Because electricity is so essential to our daily lives, because it so deeply affects every one of us from even before "the cradle to the grave," Illinois and the nation join February 7-13 in observance of National Electrical Week.

ROBERT F. ZOOK of Athens, president of the Association of Illinois Electric Cooperatives, has said he observes a particular pride on the part of cooperative members in the electric organizations they own and control. And this is well.

Too often, Zook says, in this increasingly complex world people have little voice in the huge business and governmental units upon which they must depend for vital services.

But if you travel from one end of Illinois to the other, from the sensationally beautiful area served by Jo-Carroll Electric Cooperative at Elizabeth, near the Wisconsin-Iowa line, to Southern Illinois Electric Cooperative that serves members just outside Cairo, you'll be impressed by the great pride members have in their own cooperatives.

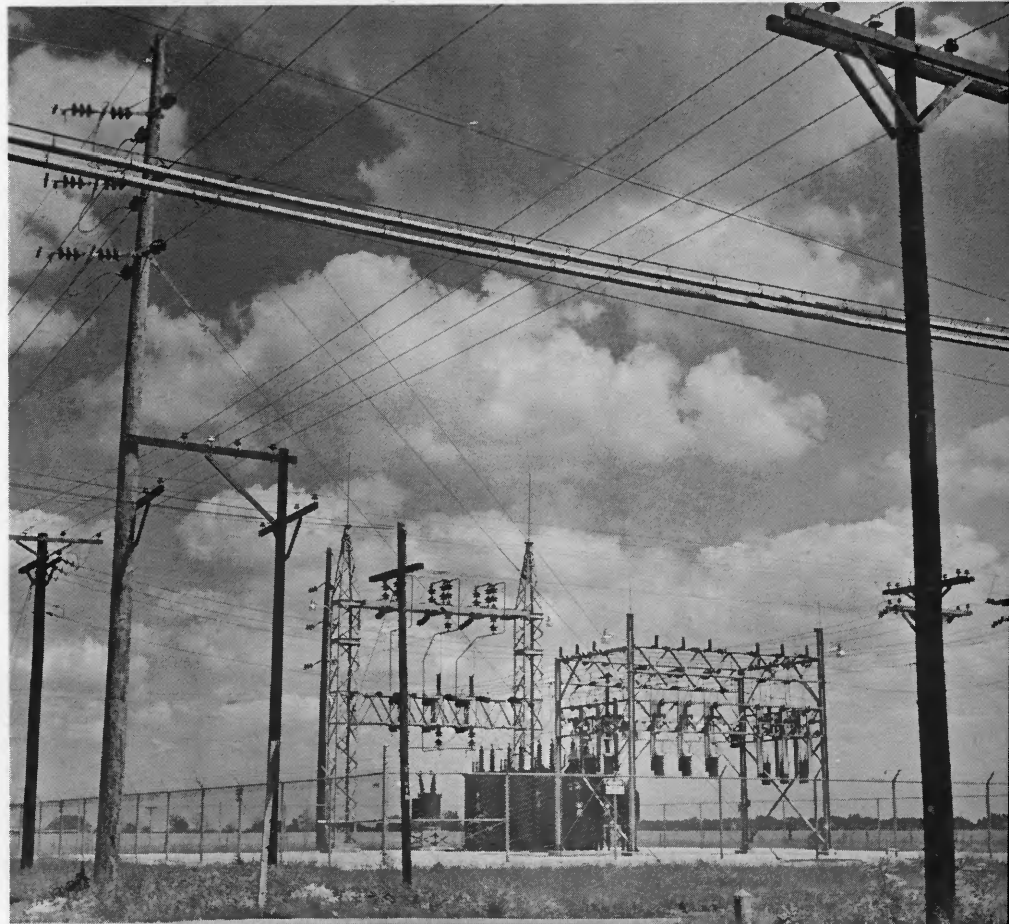
THIS IS A FEELING that unites all the cooperatives and helps them serve not only their own members but also helps them strengthen their neighboring cooperative systems.

"Outsiders" marvel at this sense of friendly cooperation, and well they might. It is seen far too infrequently in this fast-paced modern—and sometimes callous—age.

Nation Pays Tribute to Power of Electricity

government to build it and we still have to borrow sometimes for major capital improvements. But we repay every dollar of this money. With interest. Not a vast percentage of interest. But these are loans, not grants, and the interest the Illinois electric cooperatives pay amounts of many millions of dollars.

"We're proud of our cooperatives. Some day we hope to borrow most of our growth capital funds from our own cooperative institution. But we are the owners of cooperatives."



This reporter has asked literally hundreds of cooperative members, "Who owns your cooperative?" Only a few years ago some would hesitate, then answer doubtfully, "Well, I suppose the government does."

No longer.

Today, almost without exception, members answer with pride, something like this:

"We own our own cooperative. We've borrowed money from the

All over Illinois and the nation . . . power lines, substations, fine people, combine to bring outstanding service to consumers wherever they may be. During Electrical Week we salute them all.

New Independent Farm Group Is Organized

A group of midwestern farmers, determined to increase the income and enhance the welfare of farmers, formally organized the Independent Farmers Alliance at their first annual meeting in Springfield.

Several had been leaders in the National Farmers Organization.

They said they sought "profitable marketing for agriculture through bargaining power.

Among objectives listed in the by-laws were these:

1—To unite the producers of agricultural commodities.

2—To bring together the production of the membership in product banks or blocks for the purpose of collective bargaining, in an effort to gain parity at the market-place.

3—To educate the membership in world trade and bring about the direct involvement of agricultural producers in world trade.

4—To upgrade and enhance the image of agricultural produce's in the United States through the shipment of quality products."

Officers elected included Edgar Hall, Mt. Vernon, president; Paul Love, Saint Johns, Michigan, vice president; Dale Gage, Hubbardstone, Michigan, secretary; Merle Willard, Pittsfield, board chairman,



Michael J. Howlett

and Paul Schmucker, Nappanee, Indiana, vice chairman of the board.

Others elected to the board included Chuck O'Reilly, Red Wing, Minnesota; Hursel Mier, Prescott, Michigan; John Wagner, Jordan, Minnesota; Orrin James, Luzerne, Iowa; Albin Rust, Hillsdale, Wisconsin; Raymond Greiner, Agency, Iowa, and Arthur Michels, Wheeler, Illinois.

Among the speakers were Michael J. Howlett, state auditor of public accounts, Secretary of State John W. Lewis, Sister Thomas More of Holy Family College, Manitowoc, Wisconsin, and Mercer Turner, Wapella, Illinois president, Future Farmers of America.

Howlett in his address declared that "The American farmer is the rock on which our whole economy is built. Our strength, our prosperity and our health depend on you."

But Howlett urged that farmers educate the city dwellers and city legislators on the measures that must be taken to keep agriculture strong.

He also urged that farmers devote more time and study to the techniques of merchandising so that they might keep pace with business and industry in this field, and maintain their economic strength.

Secretary Lewis, obviously happy "to be back among farmer friends," said too many young people are leaving the farm out of necessity. He said it was necessary for farmers as a whole to speak up, to take a stand, to unite and make their problems known.

Too often, the secretary continued, farm parents have tried hard to make life better for their children—but have lost them to the cities because the economy of farms has not kept pace with the mainstream of today's economy.

"It's time farmers get together and do something about obtaining

(Continued on page 14)

Edgar Hall, Mt. Vernon, president of the Independent Farmers Alliance, congratulates John W. Lewis, secretary of state, after Lewis' address. Merle Willard, Pittsfield, applauds. The Alliance held its first annual meeting in Springfield recently. It elected officers, adopted by-laws, and mapped programs.

IFA officers named recently in Springfield, from left: Dale Gage, Hubbardstone, Michigan, secretary-treasurer; Edgar Hall, president; Paul Love, Saint Johns, Michigan, vice chairman; Paul Schmucker, Nappanee, Indiana, vice chairman, and Merle Willard, Pittsfield, board chairman.



Thousands to Attend Farm, Home Exhibit

Given reasonable weather, more than 4,000 persons are expected to attend the 10th annual Southern Illinois Farm Materials Handling Show March 23 through 25.

The show has been breaking attendance records virtually every year since it was established. It will be held at the Washington County Fairgrounds at Nashville (Highway 127, south).

Hours will be Tuesday, March 23, 11 a.m. until 9 p.m.; Wednesday, March 24, 9 a.m. until 9 p.m., and Thursday, March 25, 9 a.m. until 3 p.m.

LAST YEAR'S record crowd of some 4,000 came from all over Southern Illinois and from some points in Kentucky and Indiana.

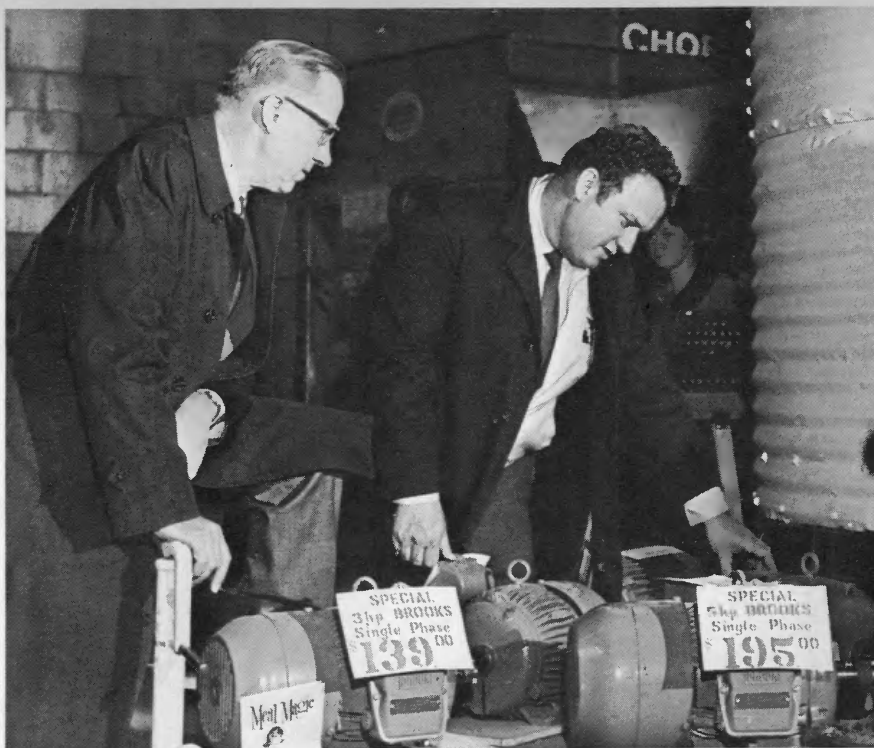
Literally hundreds of vocational agriculture students, with their teachers, descended on the show to ask a "million" questions, take copious notes and then return to their classrooms for further discussion.

They saw the very latest in farm materials handling equipment. They saw how manufacturers, recognizing that electricity is the farmer's special "hired hand" who never complains and who has unending strength and endurance, have been putting electricity to work in more varied and ingenious ways than ever before.

AND THIS YEAR there will be new products, new uses, new ways to save the farmer—and the homemaker—time and money.

The annual show is sponsored by the Illinois Farm Electrification Council, the Cooperative Extension Service, University of Illinois, the School of Agriculture, Southern Illinois University, Central Illinois Public Service Company and the Illinois Power Company, and by these Illinois Electric Cooperatives:

Wayne-White Counties Electric Cooperative, Fairfield; Tri-County Electric Cooperative, Inc., Mt. Vernon; Southwestern Electric Cooperative, Inc., Greenville; Southeastern Illinois Electric Cooperative, Inc., Eldorado; Clay Electric Cooperative, Inc., Flora; Clinton County Electric Cooperative, Inc., Breese; Egyptian Electric Cooperative As-



F. G. Downey, left, manager of Tri-County Electric Cooperative, Inc., and Andy Bird, member service supervisor for the cooperative, are among the many cooperative representatives who will attend the 10th annual Farm Materials Handling Show at Nashville. Bird will be the show's general manager next year.

sociation, Steeleville; Southern Illinois Electric Cooperative, Dongola; Monroe County Electric Cooperative, Inc., Waterloo, and Coles-Moultrie Electric Cooperative, Mattoon.

ALL THESE organizations will send key personnel to the three-day show.

There will be free admission, all-weather exhibit halls, and lunch will be available on the grounds.

General chairman of the show this year is Ivan Holler of Wayne-White Electric. Darrell Decker of Tri-County is exhibits chairman and Tom Willions of Southern Illinois Electric is assistant exhibits chairman. Others on the committee from electric cooperatives are Victor G. Ketton of Southwestern and Lyle E. Dunham of the Association of Illinois Electric Cooperatives.

The general committee also includes representatives of Illinois Power Company and Central Illinois Public Service Company as well as from Southern Illinois University.

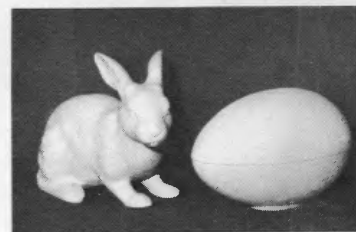
Decker said this year there will be more exhibits than ever before.

AND HOLLER pointed out that electric heat exhibits and information will be featured as never before, with skilled specialists from manufacturers and power suppliers, including the cooperative, on hand to answer specific questions.

For countless women—and many men—a highlight of the show will

be the home economics and home appliance exhibits. Home economists will be present to discuss latest developments in this field. Technical advances in appliances constantly are being made, Holler said.

Visitors can get new ideas, ask questions . . . and some will decide that the old electric range that has served so faithfully for 20 years should be replaced . . . sometime soon. Who can tell?



Bunnies and Candy Dishes!

Bunnies: 8 x 6 inches, porcelain bisque. Pink, blue, or yellow, \$4.00; White ceramic, \$3.00

Decoupage your own 6 x 4 inch white bisque candy dish egg, glazed on the inside: \$2.50

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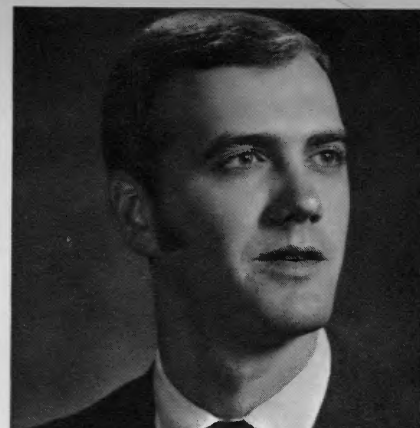
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News Specialists Join AIEC Staff

Two young men, both highly skilled in journalism, have recently joined the staff of the Association of Illinois Electric Cooperatives in Springfield.

Richard D. Haney, 28, former managing editor of the Minonk News-Dispatch, is the new associate editor of Illinois Rural Electric News. He replaces Charles E. Albright who resigned to become vice president of a Springfield mortgage investment firm.

Robert W. (Bob) Patton, 23, a graduate of the Southern Illinois University School of Journalism, is the Association's editor, Information Department staff. This is a new position. He will work under the supervision of Don Hecke, director, Information and Printing Department.

PATTON HAS HAD intensive training in the field of writing and editing. At Southern Illinois University he worked on the university newspaper, the Daily Egyptian. He started in the production department, working on the university's offset newspaper press. He also served as a cameraman in charge of offset photographic reproduction. Later he worked extensively on the university newspaper as a writer and an editor.

He began his university training in 1965 and was graduated in 1970. He worked his way through the university with the aid of a scholarship and his newspaper employment. And so Patton comes to the Association with an unusually broad background both in editorial work and the technical phases of printing production.

He will handle the editing of co-

operative newsletters at Association headquarters, will write news releases and assist in the preparation of annual meeting programs as well as other public relations functions.

He is a member of Sigma Delta Chi, professional journalism society and at Carbondale was an active member of the SIU Press Club. He is unmarried.

HANEY COMES from Elizabethtown in Southern Illinois, as does Patton. The parents of both are members of Southeastern Illinois Electric Cooperative, Inc., of Eldorado.

Haney received his college training at Southern Illinois University and at the University of Illinois College of Agriculture. His major was agricultural communications.

At Champaign he worked on the staff of Agronomy News and on the Student News and Information Bureau. He was a charter member of BYMAC (Bright Young Men in Agricultural Communications).

As a farm youth he was active in 4-H and Future Farmers of America programs. He served one year as District 5 director of the Illinois FFA Association.

Haney served in the U. S. Army in Vietnam and elsewhere as a military intelligence specialist.

Prior to his military service he was associate editor, the High Plains Journal, Dodge City, Kansas, "The Farmers' Paper" of Kansas and Colorado. He has a private pilot's license.

Haney is married to the former Leyla Franco of Bogota, Colombia, South America. They have two children, Angela Michelle, 2, and Richard Douglas, 2 months.

Find Out Now If You're Eligible To Win Trip to Nation's Capital!

High school students, what on earth are you doing sitting there reading Illinois Rural Electric News when at least a lot of you may be eligible to win an expense-paid trip to Washington, D. C.?

That's right. Some 50 high school students who write winning essays or otherwise are selected by their electric cooperatives will leave Springfield June 12 for a week-long, expense-paid trip to the nation's capital.

There they'll join 800 to 1,000 other contest winners for a series of experiences they'll never forget. They'll visit the White House, Con-

gress, the Supreme Court Building and dozens of other points of interest to which visitors come from all over the world.

MOST ILLINOIS electric cooperatives are participating in this year's program. Most limit contestants to juniors in the high schools serving their areas. But in some cooperatives, one or more other classes are eligible.

The best thing to do is to inquire of your own cooperative. Then, if you're eligible find out the simple rules and prepare your entry.

You'll get plenty of help and suggestions from your own cooperative and you'll have fun.

IN MOST CASES your cooperative will ask that you write an essay on a specific subject dealing with electric cooperatives, perhaps your own. You may be able to do this in one afternoon, but no matter how much time you spend, it will be worth while. You'll learn a great deal about your cooperative and how it serves its members and adds to the prosperity of all the people living in its general area.

For instance, the mayor of one thriving Illinois town who also was an appliance dealer, once told a contestant, "I simply couldn't be in business today if it were not for the purchases of electrical products the cooperative members make in my store. Most of my sales come from them."

The contestant used this and other information in her essay—and won a Washington trip worth several hundred dollars.

OTHER CONTESTANTS have been told by community leaders how their cooperative helps substantially in every important community project, how its members play key roles in the betterment of their areas, and how the cooperatives are truly "good citizens."

So . . . it's Washington trip contest time again. You still have plenty of time to enter. But there's no time to waste. Your entries have to be studied and judged and winners selected.

And the best advice your "friendly editor" can give is to get started right away. Call your cooperative, or write, without delay. Find out whether you're eligible and how you can start your entry.

Country Records—Pop Records
— Tape Cartridges — Fiddle
Tunes — Blue Grass — Etc.
Free Circular.
Uncle Jim O'Neal Box A-AREC
Arcadia, California 91006

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 102 313 E. 53rd St., N.Y. 10022

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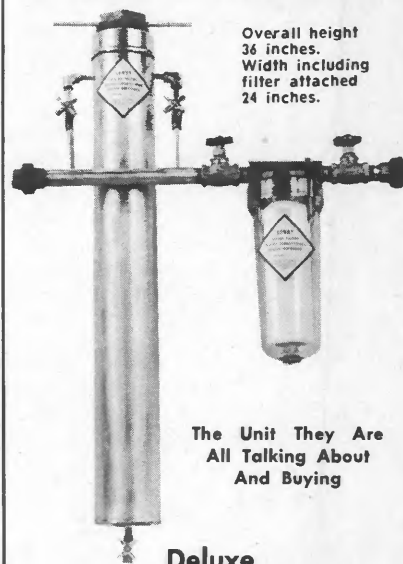
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Rural Development Is Slowly Expanding

By Jay Richter
Rural Electric News Service

The people who live with statistics and other tools used to diagnose the nation's complex economy are getting excited: Rural America is coming alive.

They are as yet cautious about predicting the future. But the signs from the 1960's pointed to an accelerated growth in industrialization, employment and larger incomes.

Since 1960, the following factors have been expressed by Department of Agriculture economists:

Nonfarm employment in counties outside of big city areas rose about 5 per cent a year, compared with 4 per cent for metropolitan jobs;

New plants or expansions of old ones in rural or partly rural communities accounted for one-fifth of the national gain in manufacturing employment.

Nearly half of the new manufacturing jobs have been in non-metropolitan areas, although these account for only about one-fourth of the jobs.

CLAUDE C. HAREN, a specialist with the Economic Development division in USDA, cited the following factors for the job surge in rural America during the past decade:

Progress made in building the vast interstate highway system. Improvements in processing, marketing and transportation technologies. The increasing attraction of today's small cities and towns as places in which to work and live.

Haren stated that improved water and sewer systems and the availability of low-cost electric service in rural areas and communities have become increasingly important in the selection of plant sites.

Where have most of the new industrial jobs gone?

The south accounted for about 60 per cent of the annual growth outside of the 193 big city markets during the 1960's, according to government studies.

Counties in the Great Lakes' industrial belt and in the area from Lake Superior southwest through Minnesota, Iowa and Missouri, showed substantial growth. Scattered counties in the northeast gained, mainly in manufacturing. . .

AN ENCOURAGING sign is the wide variety of products involved in rural industrial growth. Consumer items range widely from wearing ap-

parel, foods and home-building materials to all types of furniture, household fixtures, appliances, radios, TV sets, mobile homes, and jewelry.

Industrial products run the gamut from chemicals, aircraft parts and machine tools to the heavy products like steel and aluminum.

The National Geographic Society recently reported that tourists from the city are surprised by what they see in the country today—a medical instrument factory growing amid cornfields, an electronics plant bracketed by silos and barns, a manufacturer of engine valves sharing range land with beef cattle . . .

Reasons for the dramatic rural industrial gains include the fact that land values are lower in the country. Industrial sections of many cities have not kept pace with technology and redevelopment costs are high.

THE CURRENT PICTURE shapes up like this:

The massive migrations from farms to cities are over. There simply are not enough people left on farms to bring another tidal wave from country to city such as that of the 1950's. Today, by Bureau of Census definition, there are fewer than three million farms and only ten million people living on them—barely 5 per cent of the country's population.

But this is not the entire story of rural areas, the small towns and the nonfarm scene. In many parts of the country the migration tide lately has been reverses. Many rural counties . . . which lost population in the 1950's, gained during the last decade. . .

Even so, rural America still has many difficult problems to solve. As economists for the Chase Manhattan Bank, New York, put it:

“. . . rural America with one-third of the national population, has one-half of the nation's poor and 60 per cent of the substandard housing. The sparse population in some areas makes the provision of adequate public services—particularly quality education and health care—both difficult and expensive.”

THERE IS NO one-shot, sure-fire remedy for rural problems and the damage has been severe, according to Don Paarlberg, director of economics for USDA.

“Most of those who migrate from the rural areas leave in their teens and twenties, when on the verge of their productive years and carry with them the investment in their up-

bringing and education,” says Paarlberg.

“Conservatively estimated at \$15,000 per person, this human investment is a contribution from the rural areas that runs about \$12-billion a year, several times the total of all subsidies provided to agriculture,” Paarlberg said.

Paarlberg believes much more must be done and gives the following proposals:

1. Locate more new factories in rural areas with local, state and national tax policies to provide realistic economic incentives. Guaranteed loans at favorable interest rates are needed.

2. Better education for rural people, including equal educational opportunities for all races. (About one-fourth of the rural poor are non-white.)

3. Improved facilities, public services, and private housing are required. Public needs include sewer, water, electric power, communications and recreational facilities.

RURAL SUCCESS stories, meanwhile, are building up in government files with statistics and evidence showing how combined efforts by private industry and local, state and federal governments have brought more jobs and wealth to specific areas. . .

Not all local projects have been successful. New industry may cost a community more than it may be worth, warns economists. A recent report by the Economic Research Service in USDA involving the impact of new industry on local government finances in five small towns had this to say:

“The establishment of a manufacturing plant in a rural town is often through to bring about an accompanying increase in tax revenue for the community.

“What many persons overlook, however, is that a new plant may also bring about increased demands for services that may increase the cost to local government by an amount equal to or greater than the increase in tax revenue . . .”

All in all, the times appear bright for rural development. Most people in the cities, according to surveys, say that they would rather live some place else. The incentive they usually need to make such a move is a good living wage.

That's what rural development is about.

ELECTRICITY



IS FOR PEOPLE

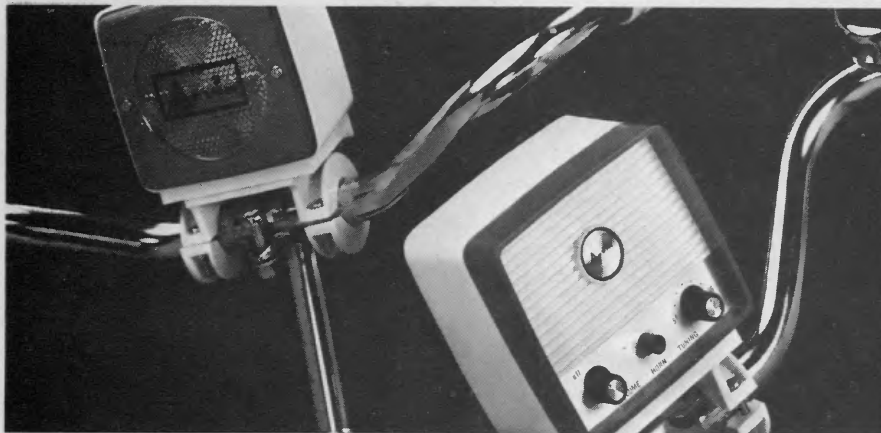
Indeed it is. Switch on a radio, turn on a washer, start a power saw, and electricity is at work for people. With electric energy, people have the opportunity to live and work better than ever before. During National Electrical Week, February 7-13, the values of electricity are being told. By providing adequate electric service at reasonable rates, the Illinois Electric Cooperatives play a vital role in the electrical industry. We join in pointing with pride to the industry's role in providing this most basic and essential service.



ELECTRIC COOPERATIVES OF ILLINOIS
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What's New?



● Bike Radio

Cyclists of all ages will like Arvin's new solid state bike/table/portable radio. This ruggedly-built AM radio can be used anywhere as a portable: on a bicycle, in the home, at ball games or at the beach. It features direct drive tuning and operates on three standard 'C' size batteries. A ferrite rod antenna is built into the case. Suggested retail price is \$14.95.



● Space Tray

This is a prototype of Whirlpool Corporation's proposed skylab heating-serving tray. The tray has built-in compartments which are compatible to food package containers. Four switches located on the front of the tray activate heat elements which keep the food at serving temperature within the compartments. The skylab program is a series of three manned earth orbital flights ranging from 28 to 56 days in length.

The skylab food system must meet the many rigors of space travel. Food package containers must withstand the tremendous pressures of launching and at the same time be easily opened, and provide optimum utilization of storage.

● Refrigerator-Freezer

Tappan's new 1971 refrigerator-freezer line provides the homemaker with an assortment of functional as well as optional features, all designed to make time spent in the kitchen as pleasant as possible.

Tappan's Side-by-Side models include perimeter trim kits that let the homemaker blend the refrigerator and freezer doors with kitchen decor or create a built-in appearance. All side-by-side models are available in copper, white, avocado or harvest gold finishes.



Farm Group Organized

(Continued from page 8)

fair prices for what they produce," Lewis said. "There is great need for such a group of strong-minded individuals as are here tonight. Something must be done to increase farm income."

Sister Thomas More, a teacher and a practical student of farm problems, and a frequent speaker before farm groups, frequently had urged farmers to get behind specific programs on which all can agree—and not worry excessively about those matters on which they cannot agree.

Repeatedly she has urged intelligent, cooperative action along a united front in serious efforts to solve vitally important farm problems.



Mercer Turner

Mercer Turner, 18, Illinois President of the Future Farmers of America, spoke briefly. He said today's young people are anxious to have a part in helping solve pressing problems. Farm young people especially, he said, are deeply concerned.

New! From Mutual of Omaha!

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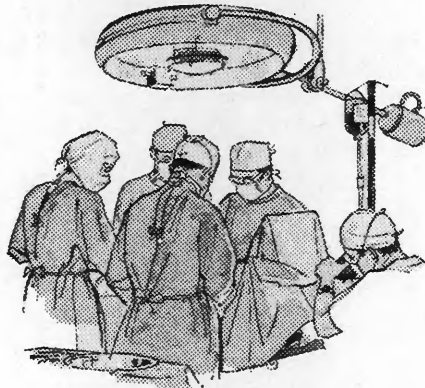
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IF UNDER 18 HAVE PARENT SIGN HERE



Lincoln Heritage Trail

(Continued from page 6)

Charleston Riot against Union soldiers of the 54th Illinois Infantry.

ALONG THE LINCOLN Heritage Trail area in downstate Illinois are various places of interest.

Mt. Pulaski Court House, another court house where Lincoln practiced law;

The Moore Home near Mattoon where Lincoln visited his stepmother for the last time a few days before he left Illinois to assume the Presidency;

The Vandalia State House at Vandalia when Lincoln served in the legislature;

Shawneetown, once an important entryway into Illinois, where Illinois owns the First Territorial and First State Bank building in the state;

Fort Edwards monument, a tall shaft on a promontory above the Mississippi River between Quincy and Nauvoo, at the site of a War of 1812 frontier built by Zackary Taylor;

Kaskaskia State Memorial, located near Chester where the "Liberty Bell of the West" was rung lustily the night of July 4, 1778 when George Rogers Clark captured Kaskaskia;

The old Nauvoo House, built by Mormon Prophet Joseph Smith

when Nauvoo was Illinois' largest city from 1839-1846;

Cave-in-Rock, just south of Old Shawneetown, a cave used by Ohio river pirates;

Oakland, where Lincoln earned dubious distinction by losing a case, the famed Matson slave case in which Abe attempted to recover a runaway slave for his owner;

Arcola and Arthur, communities in which the rustic era from the "old folk" Amish settlement prevail with famous Rockome Gardens.

Many additional highlights are found along the trail and especially the capital city of Illinois, Springfield, where Lincoln finally settled as he prepared himself in such a manner which led him to the presidency of the United States of America.

In Springfield, one can tour the only house Lincoln ever owned, located at Eighth and Jackson streets and see the Old State Capitol, fully restored and looming awe-inspiring from the center section of the city.

And finally, one finds standing tall with a sort of majestic, invisible strength—Lincoln's tomb where people of all ages, creeds and races stand in humble silence before the last resting place of so great a man.

QUITE A CHANGE

A cranky old man invested in one of the new hearing aids that are almost invisible. A few days later he returned to the store to express his delight.

"I'll bet your family likes it, too," said the salesman.

"Oh, they don't know I've got it," said the old fellow. "And am I having a ball! In the past week I've changed my will three times."

* * *

SLOW DISCOVERY

"For months," said the gad-about, "I couldn't discover where my husband spent his evenings."

"And then what happened?" asked a friend.

"Well, one evening I went home and there he was."

* * *

CLOSE TABS

A rather stout woman consulted her attorney about suing over an accident in which she had lost a thumb.

"But," asked the lawyer, "what makes you think your thumb is worth \$50,000?"

"Because," said the woman firmly, "it was the one I kept my husband under."

* * *

WHAT A BARGAIN!

In outfitting her son for his first year of prep school, a mother hoped to cut costs by shopping in a big store's bargain basement. After carefully studying a heap of shirts on a table, she turned to her shopping companion and said, "These shirts are a bargain, but they're all monogrammed and I can't find one with a "J" for Johnny!"

"Listen," said her friend, "For 89 cents you can give him a nickname for the school term!"

* * *

TECHNICAL PROCEDURE

A civil servant who received a memo and obeyed instructions to initial it and pass it on got it back three days later. Attached was a note: "Since you were not meant to read the memo please erase your initials and initial the erasure."

COMMON PROBLEM

Two men were discussing the fact that they both had sons away at college.

"What does your boy plan to be when he graduates?" asked one.

"I'm not really sure," replied the other. "But judging from his letters he'll end up a professional fund raiser."

* * *

QUOTABLE QUIPS

Do you suppose this is the beginning of the end of the world? We've come full circle, all the way from Man's Rib to Women's Lib!

* * *

Aha, with the upcoming fashions, no longer can a store sell you short!

* * *

Telephone gossips: People who Tel and Tel!

* * *

A good wife is one who believes the husband who does all the work should get at least half the credit.

One senator to another: "You spend a billion here, a billion there, and the first thing you know, it adds up."

* * *

CONVENIENT OPENING

"Miss Wilson has gone completely deaf," said the buyer to the department store personnel manager. "She'll have to go."

"No," he said, "I have a vacancy in the complaints department."

* * *

WRONG BOOK

The preacher paid a duty call at the home of a sick member of his flock. After a little while he decided to fulfill his purpose by reading aloud a few verses of scripture and asked for the family Bible.

The sick woman called to her little daughter in the next room. "Darling," she said in a syrupy voice, "would you get that old book your mother loves so well?"

The little girl promptly entered with the mail-order catalog.

Can We Win Battle Against Pollution . . . And Speed Rural Area Development Also?

(Continued from page 7)

Turner pointed out that young people such as FFA members have a dedication to help their fellow man. They have the desire. They are eager to help.

His remarks drew strong applause.

LEADERS attending the workshop listened with concerned interest as John Chaplin, assistant chief of the office of comprehensive health planning spoke on behalf of Dr. Franklin D. Yoder, director, Illinois Department of Public Health, who could not be present.

He pointed out that as jobs in rural areas have diminished or disappeared, people have migrated to those communities where job opportunities exist, "leaving only a hard core of self-employed or elderly in the rural areas."

There is a shortage of doctors in those areas. Why?

Chaplin observed:

"As doctors, dentists and nurses retire or die, it has been almost impossible to entice young replacements into the area.

"It seems that young professionals are not attracted to rural communities. Those few who do try it often depart after a few years."

CHAPLIN SAID that their earnings there can be "very high" but it appears that "rural areas are going to have to offer more than earnings if they are to attract professional health personnel in the future."

He observed that among reasons given for the departure of health professionals—or for their not arriving in the first place frequently are an overwhelming volume of work and insufficient professional contact and stimulation with peers.

"It is the belief of the office of health planning that the whole system of delivering health and medical services in rural areas must be restructured if adequate health services are to be made available to that population," Chaplin asserted.

But what does "restructuring" mean?

Chaplin said: "If quality health services are to be made available in rural areas there must be a large enough population to support such service and an atmosphere must be created which will be conducive to professionals to want to practice in that area . . ."

HE SPOKE of establishment of

"regionalization" in Illinois and said:

"It is our belief that a region should consist of not less than 250,000 people. Each region should be served by a central medical complex staffed by a complete well-trained group of professionals.

Outlying communities would be served through satellite centers tied into the central complex by direct television and a transportation network of ambulances and helicopters. These satellite centers would be manned by physicians but preferably by physician assistants who would be specially trained for this role.

"When medical records are completely computerized the satellite centers would also have direct access to patient records and of course would produce input into the records and of course would produce input into the records as information developer," Chaplin said.

"Such a system can function under either capitation or fee for service types of payment."

Existing medical facilities would be phased out or downgraded as they became obsolete. Hospitals could become extended care facilities.

"The creation of a sophisticated medical complex would solve the problem of peer association and stimulation," he said. The addition of satellites would solve the problem of bringing primary health care to the people and permit follow-up care with convenience to the patient."

Chaplin conceded that today this is a dream. "But out of dreams come progress," he added.

For the immediate future he offered a whole series of suggestions, chiefly based on "a more efficient and economical use of those health services and facilities which are located or planned for location in areas described as non-metropolitan Illinois."

Chaplin said hospitals should be the "primary focus of the total health system. High priority for the construction of health facilities other than hospital should be given to those facilities which will be located adjacent to or connected with the major hospital serving the area.

DONALD R. PACEY, manager, Economic Development, Illinois State Chamber of Commerce, told the workshop that many industries now are much more concerned with towns.

Pen Pals

Here are some boys and girls anxious to become pen pals.

Send any letters for publication to:
Junior Rural Electric News, Box 3787,
Springfield, Ill. 62708.

GLORI JENNINGS, 11. r.r. 3,
Hooperston, Ill. 60942

TIZZY WHITE, 10. Dahlgren, Ill
62828

GLENDA MOORE, 12. r.r. 2, Jerseyville, Ill. 62052

ANITA REDDING, 10. r.r. 1, Canttrall, Ill. 62625

TINA FERRELL, 10. r.r. 1, Jonesboro, Ill. 62952

GREG HERDES, 9. r.r. 2, Louisville, Ill. 62858

MARY LOUISE AUD, 14. 211 S. Skaggs St., Harrisburg, Ill. 62946

SUSAN BRINKMAN, 10. Meppen, Ill. 62064

KIM KARR, 13. Box 464, Herculaneum, Mo. 63048

ELLEN HONAKER, 11. Box 207, Moro, Ill. 62067

CHRISTINE COLGAN, 10. r.r. 1, Glasford, Ill. 61533

KEVIN ROSS, 10. r.r. 1, Greenfield, Ill. 62044

"This movement, from the big cities' jungles to the great American countryside, is beginning to take place on faster, broader scale," he said. "We are today at a vital turning point in our society."

Pacey told his listeners that people now are much more concerned with the quality of life and that the attraction of major industries to rural America should be one of the major aims of an essential development program.

THOMAS H. MOORE, general manager of the Association of Illinois Electric Cooperatives, was unable to attend the Starved Rock workshop. But he said AIEC and electric cooperatives throughout the state and nation have a vital stake in rural areas development. They are concerned. They are interested in helping. They are area leaders and they have many of the skills necessary for the success of rural areas development.

Moore predicted that cooperatives in the future will play increasingly important roles in effecting more extensive development of their areas, thus contributing even more substantially to the economic improvement of their territories.



Coffee
compliments
food



Lemon Nut Bread—something good to serve with coffee. The next day serve it with cream cheese

Choice combination—Coconut coffee mousse and coconut coffee ribbon load—tempting and tasty



For a dessert that requires a minimum of effort and time, we suggest Mocha Chiffon Pie

Coffee butter, suggested in our recipe, adds distinction to the already fine flavor of halibut

THE FLAVOR IS COFFEE

BROILED HALIBUT STEAKS WITH COFFEE BUTTER

2 pounds halibut steaks, fresh or frozen
1 tablespoon instant coffee
1 tablespoon lemon juice
1/4 cup melted butter
1/4 teaspoon onion salt

If steaks are frozen, let them thaw on refrigerator shelf or at room temperature. Combine lemon juice with instant coffee powder; add to melted butter with onion salt and parsley. Brush liberally on fish steaks. Broil, 3 inches from heat, 5 minutes. Turn fish; brush with butter mixture. Broil 5 minutes, or until fish flakes easily when tested with a fork. Brush again with butter mixture; sprinkle with more parsley if desired and serve. Makes 6 servings.

COFFEE COOKIES

1 1/2 cups brown sugar
1 cup shortening
3 eggs
1 teaspoon soda
1/4 cup hot coffee
2 1/4 cups flour
1 teaspoon cinnamon
1/2 teaspoon cloves
1/2 teaspoon allspice
1/2 teaspoon salt
1 cup chopped nuts
1 cup raisins

Cream sugar and shortening, add eggs one at a time beating well. Dissolve soda in hot coffee (1 tablespoon instant coffee to 1/4 cup hot water). Add to first mixture. Beat well. Sift dry ingredients together. Add to other mixture. Add nuts and raisins. Drop by teaspoon on greased baking sheet 2" apart. Bake at 375 degrees for about 10 minutes. Frost with Mocha Icing when cool if you wish.

BARBECUED SPARERIBS

- 5 to 6 lbs. spareribs, cut in serving-size pieces
- 1 cup strong coffee
- 1/2 cup molasses

- 1/4 cup prepared mustard
- 1 tablespoon Worcestershire sauce
- 1/2 cup cider vinegar
- Few drops Tabasco

Arrange spareribs one layer deep in large, shallow roasting pans. Combine remaining ingredients. Heat and stir until blended. Brush lavishly over ribs. Place in 350° oven, and bake, uncovered, 2 1/2 hours, basting frequently with remaining sauce. Makes 8 servings. (Spareribs may be barbecued over a charcoal fire and basted with this sauce, if preferred).

COFFEE SPONGE CAKE

- 1 tablespoon instant coffee
- 1 cup boiling water
- 2 cups sifted flour
- 3 teaspoons baking powder
- 1/2 teaspoon salt
- 6 eggs, separated
- 1/2 teaspoon cream of tartar
- 2 cups sugar
- 1 teaspoon vanilla
- 1 cup pecans

Dissolve coffee in hot water. Sift flour, baking powder and salt together. Beat egg whites with cream of tartar in large bowl until soft mounds begin to form. Add 1/2 cup of the sugar, continue beating until stiff peaks are formed. Do not underbeat. Set aside. Beat egg yolks until blended, add rest of sugar and vanilla. Beat at high speed until thick and lemon-colored. Add dry ingredients alternately with cooled coffee to egg yolk mixture using electric mixer at low speed. Fold in nuts (finely ground) until evenly blended. Fold egg yolk mixture into egg whites, a little at the time. Use a light hand. Fold gently until evenly blended. Pour into ungreased tube pan. Bake at 350 degrees 60-70 minutes. Invert immediately; cool in pan 1 hour. Frost with Mocha Icing and sprinkle top with nuts if desired. (1 cup strongly brewed coffee may be substituted for instant coffee and water.)

MOCHA ICING: Cream 2 tablespoons butter. Blend in 2 cups confectioners' sugar and 1 1/2 teaspoons instant coffee, creaming well. Add gradually 2 to 3 tablespoons milk until spreading consistency.

COFFEE SUNDAE SAUCE

- 1 1/2 tablespoons instant coffee
- 1 1/2 teaspoons cornstarch
- Dash salt
- 1 cup light corn syrup
- 1 6-ounce can (2/3 cup) evaporated milk
- 2 tablespoons butter
- 1/2 cup chopped pecans

Combine first 3 ingredients; stir in corn syrup, then milk. Simmer, stirring constantly till mixture thickens, about 10 minutes. Remove from heat; stir in butter and cool. Just before serving stir in nuts. **For banana splits:** In oblong dish, arrange scoops of chocolate, coffee, or vanilla ice cream on a banana, split lengthwise. Top with **Coffee Sundae Sauce**, whipped cream, and pecans.

COFFEE ICE CREAM

- 2 1/2 cups rich milk
- 1 1/2 cups sugar
- 1/2 cup strong coffee
- 2 beaten eggs
- 1/2 teaspoon salt
- 1 cup heavy cream
- 1 teaspoon vanilla

Scald milk over low heat but do not boil. Stir in sugar until dissolved. Pour milk over eggs. Beat until well blended. Stir and cook over low heat until thick and smooth. Do not permit to boil. Chill. Then add coffee and salt. Whip cream until stiff, fold in vanilla. Fold it into other ingredients. Freeze in ice cream freezer.

COFFEE PIE

- 1 tablespoon butter
- 1 cup strong hot coffee
- 30 marshmallows, quartered
- 1 cup cream, whipped
- 1/2 cup chopped nuts
- 9-inch baked pie shell

Add butter to coffee, fold in marshmallows, cool until quite stiff, fold in whipped cream. Pour into shell, top with crushed nuts. Chill. (2 sliced bananas may be folded in with whipped cream.)

MOCHA

- 1/3 cup cocoa
- 1/3 cup sugar
- Pinch salt
- 1 cup hot water
- 1 tall can evaporated milk
- 2 cups hot strong coffee

Mix cocoa, sugar and salt in pan. Add water, stir until smooth. Cook slowly 2 minutes, stirring. Add milk and coffee, heat just to boiling. Beat and serve.

FRUITED BOILED TOPPING

- 3/4 cup jam or preserves—apricot, peach, blueberry, raspberry, cherry, pineapple, etc.
- 2 tablespoons lemon juice
- 2 teaspoons grated lemon rind
- 1/4 cup melted butter or margarine
- 1 cup flaked coconut
- 1/3 cup finely chopped nuts
- 1/4 teaspoon cinnamon
- Toast or cake layers

Mix jam, lemon juice, rind and half of the butter. Spread mixture on cake or toast. Mix remaining ingredients with remaining butter. Sprinkle coconut mixture over jam. Place on broiler pan as far from source of heat as possible. Broil until coconut becomes golden. Cut into wedges and serve warm.

MINTED NUTS

- 3 cups walnut halves or blanched whole almonds
- 1 cup granulated sugar
- 1/2 cup water
- 1/4 teaspoon salt
- 1 teaspoon peppermint extract

Heat nuts for 5 minutes in 350° oven. Combine sugar, water and salt in a small saucepan with buttered sides. Cook at a boil until temperature is 236° F. on a candy thermometer or a small amount dripped into cold water forms a soft ball. Remove from heat. Stir in peppermint and warm nuts. Stir quickly until nuts are well coated and syrup turns white. Turn out mixture on a buttered cookie sheet. Use two forks to separate pieces. Let dry.

COCONUT COFFEE RIBBON LOAF

- 1 envelope (1 tablespoon) gelatin
- 1/4 cup cold coffee
- 1 cup hot strong coffee
- 1/4 cup granulated sugar
- 1/8 teaspoon salt
- 1 3/4 cups whipping cream*
- 1/4 cup granulated sugar
- 8x4x2-inch piece of sponge or white cake
- 1/2 cup Baker's Fine-Grated Coconut, plain or toasted

(* Or prepare 2 envelopes dessert topping mix as directed on package. Fold 1 1/2 cups into gelatin mixture. Use remainder for frosting, omitting 1/4 cup sugar.) Combine gelatin and cold coffee; mix well. Add hot coffee, sugar, and salt to softened gelatin and stir until gelatin is dissolved. Chill until slightly thickened. Whip 3/4 cup of the cream and fold into gelatin mixture. Chill until almost firm. Meanwhile, trim cake as needed to fit 8x4-inch loaf pan and split into three layers. Line pan with waxed paper. Place first layer of cake in bottom of pan; spread with half the gelatin mixture. Add second layer of cake; spread with remaining gelatin mixture. Top with third layer of cake. Chill 3 hours. Unmold loaf on platter. Whip remaining cream with 1/4 cup sugar. Spread over top and sides of loaf. Sprinkle with coconut. Chill another hour before serving. Makes 8 servings.

COCONUT COFFEE MOUSSE

- 1 envelope (1 tablespoon) gelatin
- 1/4 cup cold water
- 3/4 cup milk, scalded
- 3/2 cup granulated sugar
- 2 tablespoons instant coffee
- 1/4 teaspoon salt
- 4 cups whipped cream or prepared dessert topping mix
- 2 1/2 teaspoons vanilla
- 1 tablespoon butter
- 1/2 cup grated coconut
- Dash of salt

Combine gelatin and cold water in mixing bowl; mix well. Add milk and stir until gelatin is dissolved. Dissolve sugar, instant coffee and salt in the hot mixture. Pour into freezing tray of refrigerator, setting control for coldest freezing temperature. Melt butter in skillet. Add coconut and dash of salt and saute until coconut is delicately browned. When mousse is partially frozen, remove from tray and beat with egg beater until fluffy and smooth. Fold in sauteed coconut. Return to tray and freeze until firm. Freezing time: 3 to 4 hours. Scoop into dessert dishes and garnish with mint leaves, if desired. Makes about 1 1/2 quarts.

MOCHA CHIFFON PIE

- CRUMB CRUST:
- 1 2/3 cups graham crackers, crushed
- 1/4 cup softened butter
- 1/4 cup sugar

Blend together graham cracker crumbs, butter and sugar. Firmly press into an even layer against bottom and sides of 9-inch pie plate. Bake at 375 degrees for 8 minutes. Cool.

- FILLING:
- 1 envelope unflavored gelatine
- 3/4 cup cold strong coffee
- 1 1/2 squares unsweetened chocolate
- 3 cup sugar
- 3 eggs, separated
- 1/4 teaspoon salt

Soften gelatine in 1/4 cup of coffee. Combine remaining coffee, chocolate and 1/3 cup sugar. Cook over low heat until chocolate melts. Beat egg yolks slightly; slowly stir in chocolate mixture and softened gelatine. Stir until gelatine dissolves. Chill until mixture mounds when dropped from a spoon. Beat egg whites with salt until frothy. Gradually beat in sugar until mixture is stiff, but not dry. Fold into chocolate mixture. Pile into crumb crust. Chill several hours or until set. If desired garnish with whipped cream and chocolate curls. Sprinkle with nuts if you wish.

COFFEE FUDGE

- 2 cups sugar
- 1 cup strong coffee
- 1 tablespoon cream
- 1 tablespoon butter
- 1/8 teaspoon salt
- 1/4 teaspoon cream of tartar
- 1/2 teaspoon cinnamon
- 1 cup chopped pecans

Stir first 6 ingredients over low heat until sugar is dissolved. Boil quickly, stirring constantly until soft ball stage (278 degrees). Remove from heat, cool slightly. Add cinnamon. Beat until it begins to harden, add nuts. Pour into oiled pan. Let cool before cutting into squares.

LEMON NUT BREAD

- 3 tablespoons soft butter or margarine
- 1 cup sugar
- 2 eggs
- 3 1/2 cups sifted flour
- 3 1/2 teaspoons baking powder
- 1 teaspoon salt
- 1 cup chopped nuts
- Grated rind of 1 lemon
- 1 1/2 cups of milk

Combine butter, sugar and eggs. Beat until smooth. Mix flour, baking powder, salt, nuts and lemon rind. Add dry ingredients alternately with the milk, beginning and ending with the dry ingredients. Mix well. Pour batter into greased and floured 9"x5"x3" pan. Bake at 350 degrees for 1 hour or until bread tests done. Unmold, cool and wrap until ready to use.

BROWNIE PIZZA

- 1 package pie crust mix
- 1 package brownie mix
- 1/2 cup coarsely chopped nuts
- 1 tablespoon instant coffee
- 1 cup (1/2 pint) heavy cream
- 1/4 cup confectioners' sugar
- 1 teaspoon vanilla, orange or rum extract

Prepare pie crust according to package directions. Roll out pie crust on a lightly floured board to fit bottom and sides of ungreased 12-inch pizza pan. Prepare brownie mix according to package directions, adding instant coffee powder. Spread batter thinly and carefully over unbaked crust. Sprinkle with nuts. Bake at 350 degrees for 20 to 25 minutes or until edges of crust are golden brown. Cool. Whip cream with sugar and vanilla until stiff. Cut pizza into wedges and top with whipped cream. Serves 10 to 12.

The pant dress (right) looked great as a mini—fantastic as a midi. A lemon colored liny bodice, accented with licorice buttons and a white kid belt that starts off a flash of black.

By Junior Sophisticates. Laced up boots by Golo . . . hat by Betmar

(center) Swiss cotton plaid skillfully worked for Davidow. The raised waistline coat looks great in brown and white, punctuated with a winged collar and oversized bias cut patch pockets. Boots by Latinas

For Marion Digney, a polyester crepe wrinkle-free tunic and pant costume (far right) is just what she'd like to live in. The tunic zips up the back leaving the front free for waist, hem and knee length ribbon accent



FASHION STILL HAS A LEG TO STAND ON

■ Two innovations will brighten the spring scene. One is short shorts for wear even on city streets. The other is a leg fashion by Burlington that will turn any shoe into a boot. It's a sort of knee-sock with a look-alike for crinkle leather used as the top portion and a boot of stretch nylon. As for the rest of fashion, you can breathe a sigh of relief. There's nothing to outdate the start you have made on the new look. The hemline is settling down below the knee but is still floating around a bit trying to decide how far down is down. Your choice is right if it falls anywhere from just below the knee to

just above the ankle. Chances are it will be an inch or two below the knee for daytime. For those with mixed mind on the subject, it's even possible to choose a dress with two hemlines, short in front, long in back or split-level with the longer skirt opening over the shorter one. The silhouettes for spring are longer and newly proportioned classic styles—shirtwaists, coattresses, A-shapes, separates—plus the costume that's fast becoming classic. Fabrics are lighter in weight and more often have easy-care properties. There's nothing left to write about the pantsuit only there's nothing new about it anymore. It's here to stay. It's worn

virtually everywhere by everyone. Not one of the new wardrobe components will, by its type, give you the time of day. Pantsuits and knickers are as much a part of the evening picture as dresses. As with dresses, fabrics and accessories are what add the time element. Fabrics have much to do with their fresh appeal. They are soft and pretty, colorful and feminine, and mold to the body. For 1971 there is no lack of direction from designers, but their direction goes in all directions. Women have to do their own choosing from this smorgasbord of styles. Self expression is still part of fashion.



(Far left) Watch white, you'll see lots of it with contrast colors. A navy crepe hi-neck shirt is used for accent under a white slit-front jumper for the Larry Aldrich collection

(Center) Dresses seemed to be the hardest to get used to in the new length. Well, Carlye seems to have solved the problem—a charming navy and white printed dress features a raised waistline and full shirt sleeves

(Right) The crocodile laces its belt and wraps it around. The solid bodice, the perfect backdrop for the classic striped doubleknit of Dacron that everyone loves—David Crystal

Photos courtesy New York Couture

dodge drudgery with a dishwasher

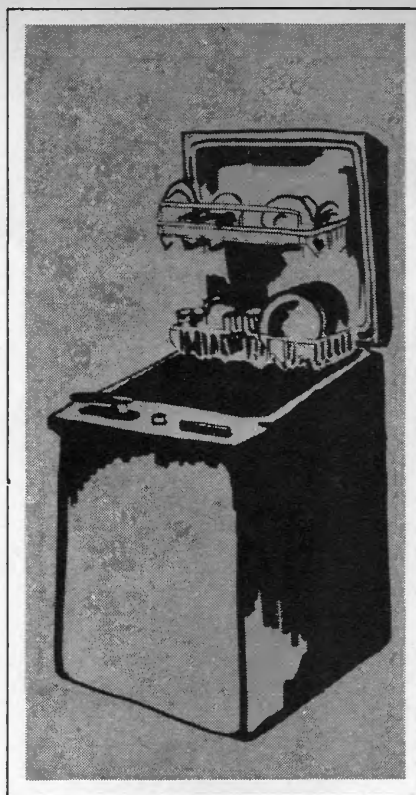
Studies show that electric dishwashers free the average homemaker of about 90 minutes of messy cleanups daily—more if she has a large family or entertains.

Tableware that would ordinarily be stacked on the counters or sink, or washed after each meal, can be placed right in the dishwasher and washed all at once at the end of the day. New models handle large capacities, require no pre-rinsing of dishes and deliver them ready to be stacked away.

The new dishwashers are easier than ever to operate and load and are equipped with a host of automatic features. Newest models accommodate dishes of just about every size and shape, with folding, revolving or adjustable racks. A variety of special cycles on many models offers selection of correct washing action for pots and pans, daily dishes and a gentle cycle for china and crystal. A rinse and hold cycle can be used to rinse a partial load then hold it until a full load has accumulated.

There are free-standing, built-in and portable models to choose from. There are portables which can be converted to built-ins (called convertibles) when a family moves or remodels. Kits are available for this purpose. Some portables that connect to the sink faucet have connectors which allow water to be drawn for other purposes when the dishwasher is operating. Portables are available in front and top-loading models.

Dishwashers come in a wide variety of colors and designs, some with interchangeable panel trims to match or contrast with other appliances or cabinets.

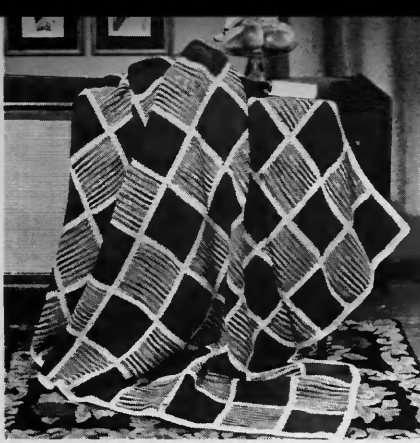


Convertible dishwashers are front loading portables ready to be built-in later. This Hotpoint model (above) is loaded with extras. If you live in an apartment, are subject to moving, or plan to remodel, this is probably a good choice for you to consider.

If you're remodeling your kitchen, replacing an old dishwasher, or substituting your choice in a builder-built new home, you'll want an under-counter model with permanent plumbing (left). There are pushbuttons for automatic programming for all types of load.

This new front load portable by General Electric (right) gives you two adjustable upper racks that can be moved up or down for loading flexibility. It has a mini-wash cycle for lightly soiled dishes (14 minute cycle). Rolls around on wheels, needs no plumbing. Removable top.





1. Ideal Beginner's Afghan



2. Nifty Knitted Skirt

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Beginner's Luck

1. Try your hand at knitting and a bit of crochet. If you are a beginner, this lucky afghan will get you off to a winning start. It's done square by square in basic garter stitch and is finished off with a simple crocheted border before the blocks are sewn together. Finished afghan is 51 x 73".

2. Every blouse needs a skirt and vice versa. This great little knit can manage a whole blouse collection. It's made in four separate panels and sewn together with a flare. Baby cables create textured design. Waistband and pocket flaps are plain. Sizes 10-16.

3. A striped beret plunges headfirst into spring. The hat of the year has endless variations. It's crocheted to rug yarn and has a pompon. This hat is in the mood for your lighter and brighter clothes.

4. Tweed has broken the season barrier and blossomed into spring dressing. Light pink and bright pink make a balmy mix. This wisp of a dress is knitted in stockinette stitch. A white stripe is added to midriff, neck and armholes. The style is perfect for jumpering. The sizes are misses' 8-14.

5. Be a busy bee and make this honey of a pillow cover. The face is knitted in a honeycomb pattern and the back is in basic stockinette. It's done in a golden shade. Completed pillow cover will fit 14" pillow.

6. Looking for a new sweater approach? Try texture. This raglan sleeve pullover is all nubby and nice. It has ribbed borders for misses' sizes 8-16.

7. In the year of the rib, add a twist to your knit stitch. It zips up the texture of this man-powered pullover. From the bottom of hipband to top of the turtle, the sweater is 100 percent ribbing. Any warm earthy shade will do. Comes in men's sizes 38-44.

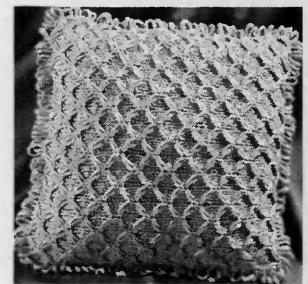
8. Tweed up a turtleneck for the "Ford" in your sweater collection. This tweedy pullover is a classy classic to wear with rough-and-ready sportswear. It's knitted in stockinette stitch—misses' sizes 8-16.



3. Striped Spring Beret



4. Tweed Dress



5. Honeycomb Pillow



6. Raglan Pullover



7. Men's Pullover



8. Turtle Pullover

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Prices on Rose Bushes: 79c each, 6 for \$4.29—12 for \$7.98, your choice of varieties

<p>REDS</p> <p>Red Radiance Better Times Crimson Glory Poinsettia Mirandy</p> <p>TWO TONES</p> <p>Crepe Myrtle—Red, Purple, Pink White, 1 to 2 ft. \$6.69 ea. Spirea Van Houttei—White, 1-2 ft. 29 ea. Spirea Reeniana, 1 to 2 ft. 29 ea. Weigela—Red or Yellow, 1 to 2 ft. 29 ea. Weigela—Var. or Pink, 1-2 ft. 29 ea. Althea—Red or Purple, 1 to 2 ft. 29 ea. Althea—Pink or White, 1 to 2 ft. 29 ea. Forsythia—Yellow, 1 to 2 ft. 29 ea. Pink Spirea, 1 to 2 ft. 29 ea. Pink Flowering Almond, 1 to 2 ft. 59 ea. Tamarisk—Pink, 1 to 2 ft. 29 ea. Bush Honeysuckle—Red, Pink, White, 1 to 2 ft. 29 ea. Red Flowering Quince, 1 to 2 ft. 29 ea. White Flowering Quince, 1 to 2 ft. 29 ea. Persian Lilac—Purple, 1 to 2 ft. 39 ea. Did Fashion Lilac—1 to 2 ft. 49 ea. Bridal Wreath Spirea, 1 to 2 ft. 49 ea. Hydrangea P.G., 1 to 2 ft. 49 ea. Dak Leaf Hydrangea, 1 to 2 ft. 49 ea. Deutzia—White, 1 to 2 ft. 29 ea. Deutzia—Pink, 1 to 2 ft. 29 ea. Mockorange—White, 1 to 2 ft. 29 ea. Sweet Shrub, 1 to 2 ft. 29 ea. Rose of Sharon, 1 to 2 ft. 29 ea. Red Dzior Dogwood, 1 to 2 ft. 29 ea. Pussy Willow, 1 to 2 ft. 29 ea. Pussy Willow, 4 to 6 ft. 69 ea. Russian Olive, 2 to 3 ft. 89 ea. Russian Olive, 4 to 6 ft. 89 ea. Red Barberry, 1 to 2 ft. 49 ea. Jap Snowball, 1 to 2 ft. 49 ea. Red Snowberry, 1 to 2 ft. 29 ea. White Snowberry, 1 to 2 ft. 39 ea. Spirea, Anthony Waterer—Red, 1 ft. French Lilac—Red, White, Purple, 1 to 2 ft. 98 ea. Scotch Broom, 1 to 2 ft. 29 ea. Hypericum, 1 ft. 19 ea. Spice Bush, 1 to 2 ft. 29 ea. Butterfly Bush—Purple, 1 to 2 ft. 49 ea. Butterfly Bush—Pink, 1 to 2 ft. 49 ea. Vitex—Purple, 1/2 to 1 ft. 39 ea. Green Barberry, 1 to 2 ft. 29 ea. Azalea—White, Purple, Red or Pink, 1/2 to 1 ft. 59 ea. *Rose Acacia, 1 ft. 39 ea. *Red Chokeberry, 1 to 2 ft. 29 ea. *Black Chokeberry, 1 to 2 ft. 29 ea. *Hydrangea Arborvitae—1 to 2 ft. 29 ea. Spirea Thunbergi, 1 to 2 ft. 29 ea. Winter Honeysuckle, 1 to 2 ft. 29 ea. Arrowwood Viburnum, 1/2 to 1 ft. 39 ea. *Beauty Berry, 1 to 2 ft. 29 ea. Caryopteris—Blue Mist, 2 years— 98 ea. Witchhazel, 1 to 2 ft. 39 ea. *American Elder, 1 to 2 ft. 39 ea. *Dopssum Haw, 1 to 2 ft. 69 ea. False Indigo—Purple, 1 to 2 ft. 29 ea.</p> <p>FLOWERING TREES—1 or 2 Years Old</p> <p>Magnolia Grandiflora, 1/2 to 1 ft. 5.49 ea. Magnolia Grandiflora, 2 to 3 ft. 1.98 ea. Magnolia Niagara, 1 to 2 ft. 1.98 ea. Magnolia Rustica Rubra, 1 to 2 ft. 1.49 ea. Mimosa—Pink, 2 to 4 ft. 29 ea. Mimosa—Pink, 3 to 4 ft. 49 ea. Mimosa—Pink, 4 to 6 ft. 89 ea. American Red Bud, 2 to 3 ft. 29 ea. American Red Bud, 4 to 6 ft. 79 ea. White Flowering Dogwood, 2-3 ft. 29 ea. White Flowering Dogwood, 4-6 ft. 1.29 ea. Pink Flowering Dogwood, 1 to 2 ft. 1.29 ea. Pink Flowering Dogwood, 2 ft. 1.98 ea. Pink Flowering Dogwood, 3 to 5 ft. 3.98 ea. Golden Raintree, 1 to 2 ft. 79 ea. Golden Raintree, 3 to 4 ft. 2.49 ea. Golden Chain Tree, 1 to 2 ft. 79 ea. Smoke Tree, 1 to 2 ft. 1.49 ea. Purple Leaf Plum, 1 to 2 ft. 59 ea. Purple Leaf Plum, 2 1/2 to 4 ft. 89 ea. Purple Leaf Plum, 4 to 6 ft. 1.98 ea. Flowering Peach—Red or Pink, 1 to 2 ft. 59 ea.—2 1/2 to 4 ft. 89 ea. Peppermint Flower, Peach, 2 1/2-4 ft. 89 ea. Dbl. Pink Flowering Cherry, 3-5 ft. 3.98 ea. Flowering Crab—Red or Pink, 2 to 3 ft. 98 ea.—4 to 6 ft. 1.98 ea. Chinese Red Bud, 1 to 2 ft. 49 ea. *Tree of Heaven, 3 to 5 ft. 69 ea. Dwarf Red Buckeye, 1/2 to 1 ft. 69 ea. Magnolia Soulangiana, 1 to 2 ft. 1.39 ea. Weeping Peach—Red or Pink, 1 ft. 69 ea. Weeping Peach, Red or Pink, 2-3 ft. 89 ea. White Flowering Peach, 2 to 3 ft. 1.29 ea. *White Fringe, 2 to 3 ft. 98 ea. Japanese Flower Cherry, 3 to 5 ft. 3.98 ea. European Mountain Ash, 3 to 4 ft. 2.49 ea. Paul's Scarlet Hawthorn— Red Blooms, 3 to 5 ft. 4.49 ea. *Big Leaf Cucumber, 3 to 5 ft. 1.69 ea.</p>	<p>President Hoover Betty Uphrighd Edith N. Perkins Contrast Condessa de Sastago</p> <p>CLIMBERS</p> <p>*Paw Paw, 3 to 5 ft. 1.29 ea. *Sourwood, 2 to 3 ft. 69 ea. Yellow Buckeye, 1 to 2 ft. 59 ea. Downy Hawthorn, 1/2 to 1 ft. 59 ea. Dwarf White Buckeye, 1/2 to 1 ft. 69 ea. Red Flowering Dogwood, 1 ft. 1.29 ea. Red Flowering Dogwood, 2 ft. 2.49 ea. Red Flowering Dogwood, 3 to 4 ft. 3.98 ea. 5-N-1 Flowering Crab, 3 ft. 3.98 ea. Red Leaf Peach, 2 to 3 ft. 89 ea.</p> <p>SHADE TREES—1 or 2 Years Old</p> <p>Silver Maple, 3 to 4 ft. 5.39 ea. Silver Maple, 4 to 6 ft. 79 ea. Chinese Elm, 2 ft. 19 ea.; 3-4 ft. 39 ea. Chinese Elm, 4 to 6 ft. 79 ea. Green Weeping Willow, 2 to 3 ft. 39 ea. Green Weeping Willow, 4 to 6 ft. 69 ea. Catalpa Tree, 2 to 3 ft. 29 ea. Ginkgo Tree, 1 to 2 ft. 79 ea. Ginkgo Tree, 3 to 5 ft. 2.98 ea. Pin Oak or Red Oak, 2 ft. 79 ea. Pin Oak or Red Oak, 3 to 5 ft. 1.29 ea. Willow Dak or Scarlet Dak, 2 ft. 79 ea. Willow Dak or Scarlet Dak, 3-5 ft. 1.29 ea. Lombardy Poplar, 1 to 2 ft.06 ea. Lombardy Poplar, 2 to 3 ft. 10 ea. Lombardy Poplar, 3 to 4 ft. 19 ea. Lombardy Poplar, 4 to 6 ft. 29 ea. Faassen Red Leaf Maple, 3-5 ft. 4.49 ea. Sycamore, 3 to 4 ft. 49 ea. Sycamore, 4 to 6 ft. 89 ea. *Sugar Maple, 2 ft. 29 ea. *Sugar Maple, 3 to 5 ft. 59 ea. Sweet Gum, 2 to 3 ft. 49 ea. Sweet Gum, 4 to 6 ft. 79 ea. White Birch, 2 to 3 ft. 89 ea. White Birch, 4 to 6 ft. 1.98 ea. *Tulip Tree, 3 to 4 ft. 49 ea. Crimson King Maple (Pat. No. 735), 3 to 5 ft. 4.49 ea. Sumburst Locust (Pat. No. 1313), 3 to 5 ft. 4.95 ea. Cut Leaf Weeping Birch, 3 to 5 ft. 4.49 ea. Silver Variegated Maple, 3 to 5 ft. 4.49 ea. Schwedler Maple, 3 to 5 ft. 4.49 ea. *Yellow Wood, 2 to 3 ft. 98 ea. Cano Birch, 3 to 4 ft. 4.49 ea. White Ash, 3 to 4 ft. 29 ea. Green Ash, 3 to 4 ft. 29 ea. Persimmon, 1 to 2 ft. 69 ea. Dawns Redwood, 1 to 2 ft. 2.49 ea. Honey Locust, 3 to 4 ft. 69 ea. Morain Locust, 4 to 5 ft. 4.98 ea. Kentucky Coffee Tree, 1/2 to 1 ft. 49 ea. *American Linden Tree, 2 ft. 79 ea. *American Linden Tree, 3 to 5 ft. 1.29 ea. Skyline Locust (Pat. No. 1619), 3 to 4 ft. 4.98 ea. *Sassafras, 2 to 3 ft. 49 ea. *Scarlet Maple, 4 to 5 ft. 89 ea. Russian Mulberry, 2 to 3 ft. 69 ea. Sycamore Maple, 1/2 to 1 ft. 49 ea. *Black Gum, 2 to 3 ft. 79 ea. Japanese Red Leaf Maple, 1 ft. 1.98 ea. Norway Maple, 1 to 2 ft. 49 ea. Golden Weeping Willow, 2 to 3 ft. 29 ea. Golden Weeping Willow, 4 to 6 ft. 69 ea. Amur Corktree, 1 to 2 ft. 39 ea. Black Locust, 2 to 3 ft. 29 ea. Bald Cypress, 1 to 2 ft. 29 ea. *Little Leaf Cucumber, 2 to 3 ft. 69 ea.</p> <p>FRUIT TREES—1 or 2 Years Old</p> <p>Belle of Georgia Peach, 1 to 2 ft. 5.49 ea. Belle of Georgia Peach, 2 to 3 ft. 79 ea. Belle of Georgia Peach, 3 to 5 ft. 1.19 ea. Elietta Peach, 1 to 2 ft. 49 ea. Elietta Peach, 2 to 3 ft. 79 ea. Elietta Peach, 3 to 5 ft. 1.19 ea. J. H. Hale Peach, 1 to 2 ft. 49 ea. J. H. Hale Peach, 2 to 3 ft. 79 ea. J. H. Hale Peach, 3 to 5 ft. 1.19 ea. Hale Haven Peach, 1 to 2 ft. 49 ea. Hale Haven Peach, 2 to 3 ft. 79 ea. Hale Haven Peach, 3 to 5 ft. 1.19 ea. Dixie Red Peach, 1 to 2 ft. 49 ea. Dixie Red Peach, 2 to 3 ft. 79 ea. Dixie Red Peach, 3 to 5 ft. 1.19 ea. Golden Jubilee Peach, 1 to 2 ft. 49 ea. Golden Jubilee Peach, 2 to 3 ft. 79 ea. Golden Jubilee Peach, 3 to 5 ft. 1.19 ea. Champion Peach, 1 to 2 ft. 49 ea. Champion Peach, 2 to 3 ft. 79 ea. Champion Peach, 3 to 5 ft. 1.19 ea. Maygold Peach, 1 to 2 ft. 49 ea. Maygold Peach, 2 to 3 ft. 79 ea. Maygold Peach, 3 to 5 ft. 1.19 ea. Blake Peach, 1 to 2 ft. 49 ea. Blake Peach, 2 to 3 ft. 79 ea. Blake Peach, 3 to 5 ft. 1.19 ea. Stayman Winesap Apple, 2 to 3 ft. 89 ea. Stayman Winesap Apple, 4 to 6 ft. 1.49 ea. Red Delicious Apple, 2 to 3 ft. 89 ea. Red Delicious Apple, 4 to 6 ft. 1.49 ea.</p>	<p>Cl. Blaze Red Cl. Red Telisman Cl. Golden Charm Cl. Pink Radiance Cl. White Am. Beauty</p> <p>YELLOWS</p> <p>Early Harvest Apple, 2 to 3 ft. 89 ea. Early Harvest Apple, 4 to 6 ft. 1.49 ea. Red Rome Beauty Apple, 2 to 3 ft. 89 ea. Red Rome Beauty Apple, 4 to 6 ft. 1.49 ea. Red Jonathan Apple, 2 to 3 ft. 89 ea. Red Jonathan Apple, 4 to 6 ft. 1.49 ea. Lodi Apple, 2 to 3 ft. 89 ea. Lodi Apple, 4 to 6 ft. 1.49 ea. Grimes Golden Apple, 2 to 3 ft. 89 ea. Grimes Golden Apple, 4 to 6 ft. 1.49 ea. Yellow Transparent Apple, 2-3 ft. 89 ea. Yellow Transparent Apple, 4-6 ft. 1.49 ea. Yellow Delicious Apple, 2 to 3 ft. 89 ea. Yellow Delicious Apple, 4 to 6 ft. 1.49 ea. Early McIntosh Apple, 2 to 3 ft. 89 ea. Early McIntosh Apple, 4 to 6 ft. 1.49 ea. 5-N-1 Apple—5 Varieties on each tree, 3 ft. 3.98 ea. Montmorency Cherry, 2 to 3 ft. 1.49 ea. Montmorency Cherry, 4 to 5 ft. 2.98 ea. Black Tartarian Cherry, 2 to 3 ft. 1.69 ea. Black Tartarian Cherry, 4 to 5 ft. 2.98 ea. Early Richmond Cherry, 2 to 3 ft. 1.69 ea. Kieffer Pear, 2 to 3 ft. 1.49 ea. Kieffer Pear, 3 1/2 to 5 ft. 1.98 ea. Orient Pear, 2 to 3 ft. 1.49 ea. Orient Pear, 3 1/2 to 5 ft. 1.98 ea. Bartlett Pear, 2 to 3 ft. 1.49 ea. Bartlett Pear, 3 1/2 to 5 ft. 1.98 ea. Moopart Apricot, 1 to 2 ft. 69 ea. Moopart Apricot, 2 to 3 ft. 98 ea. Early Golden Apricot, 1 to 2 ft. 69 ea. Early Golden Apricot, 2 to 3 ft. 98 ea. Nectarine, 1 to 2 ft. 98 ea. Nectarine, 2 1/2 to 4 ft. 98 ea. Sweet Plum, 1 to 2 ft. 98 ea. Damson Plum, 2 1/2 to 4 ft. 98 ea. Red June Plum, 1 to 2 ft. 59 ea. Red June Plum, 2 1/2 to 4 ft. 98 ea. Bruce Plum, 1 to 2 ft. 59 ea. Bruce Plum, 2 1/2 to 4 ft. 98 ea. Methley Plum, 1 to 2 ft. 59 ea. Methley Plum, 2 1/2 to 4 ft. 98 ea. Burbank Plum, 1 to 2 ft. 59 ea. Burbank Plum, 2 1/2 to 4 ft. 98 ea.</p> <p>NUT TREES—1 or 2 Years Old</p> <p>Hazel Nut, 1 to 2 ft. 5.79 ea. Hazel Nut, 3 to 5 ft. 1.98 ea. Butternut, 1 to 2 ft. 39 ea. Butternut, 3 to 4 ft. 98 ea. Chinese Chestnut, 1 to 2 ft. 69 ea. Chinese Chestnut, 3 to 5 ft. 1.49 ea. Hardy Pecan Seedlings, 1 to 2 ft. 69 ea. Stuart Pecan—Papershell, 2 ft. 2.98 ea. Stuart Pecan—Papershell, 3 1/2-5 ft. 4.49 ea. Maham Pecan—Papershell, 2 ft. 2.98 ea. Maham Pecan—Papershell, 3 1/2-5 ft. 4.49 ea. Black Walnut, 1 to 2 ft. 39 ea. Black Walnut, 3 to 5 ft. 89 ea. English Walnut, 2 to 3 ft. 3.98 ea. Shell Bark Hickory, 1 to 2 ft. 69 ea. American Beech—Collected, 3-4 ft. 49 ea. Japanese Walnut, 3 to 4 ft. 98 ea.</p> <p>EVERGREENS—1 or 2 Years Old</p> <p>Glossy Abelia, 1/2 to 1 ft. 5.29 ea. *American Holly, 1/2 to 1 ft. 29 ea. *Rhododendron, 1/2 to 1 ft. 49 ea. *Pfitzer Juniper, 1/2 to 1 ft. 69 ea. Cherry Laurel, 1/2 to 1 ft. 49 ea. Nandina, 1/2 to 1 ft. 49 ea. Boxwood, 1/2 ft. 39 ea. Irish Juniper, 1/2 to 1 ft. 59 ea. Savin Juniper, 1/2 to 1 ft. 59 ea. Red Berry Pyracantha, 1/2 to 1 ft. 49 ea. Yellow Berry Pyracantha, 1/2 to 1 ft. 49 ea. Burford Holly, 1/2 to 1 ft. 49 ea. Dwarf Burford Holly, 1/2 to 1 ft. 69 ea. Wax Leaf Ligustrum, 1/2 to 1 ft. 39 ea. Colorado Blue Spruce, 1/2 to 1 ft. 39 ea. *Mountain Laurel, 1/2 to 1 ft. 29 ea. *Canadian Hemlock, 1/2 to 1 ft. 19 ea. *Short Leaf Pine, 1 ft. 19 ea. Slash Pine, 1/2 to 1 ft. 19 ea. *Red Cedar, 1/2 to 1 ft. 19 ea. Hetzl Holly, 1/2 to 1 ft. 59 ea. Japanese Holly, 1/2 to 1 ft. 59 ea. Foster Holly, 1/2 to 1 ft. 49 ea. Helleri Holly, 1/2 to 1 ft. 59 ea. East Palatka Holly, 1/2 to 1 ft. 59 ea. Chinese Holly, 1/2 to 1 ft. 69 ea. Andorra Juniper, 1/2 to 1 ft. 59 ea. Cedrus Deodara, 1/2 to 1 ft. 59 ea. Jap Yew, 1/2 to 1 ft. 79 ea. Baker Arborvitae, 1/2 to 1 ft. 59 ea. Berkmans Arborvitae, 1/2 to 1 ft. 59 ea. Globe Arborvitae, 1/2 to 1 ft. 59 ea. Greek Juniper, 1/2 to 1 ft. 1.19 ea. Gardenia—White, 1/2 to 1 ft. 59 ea. Camellia—Red, 1/2 to 1 ft. 79 ea. Norway Spruce—1/2 to 1 ft. 29 ea. Euonymus Radican, 1/2 to 1 ft. 29 ea. Euonymus Manhattan, 1/2 to 1 ft. 29 ea. Euonymus Pulchellus, 1/2 to 1 ft. 39 ea. Euonymus Dupont, 1/2 to 1 ft. 39 ea. *White Pine, 1 ft. to 1 ft. 29 ea. Austrian Pine, 1/2 to 1 ft. 29 ea. Mugo Pine, 3 to 5 inch— 39 ea. Scotch Pine, 3 to 5 inch— 19 ea. Western Yellow Pine, 3 to 5 inch— 19 ea. White Spruce, 1/2 to 1 ft. 29 ea. Serbian Spruce, 1/2 to 1 ft. 29 ea. Douglas Fir, 1/2 to 1 ft. 39 ea. Cleyera Japonica, 1/2 to 1 ft. 49 ea. Elaeagnus Frutlandi, 1/2 to 1 ft. 49 ea. Thorny Elaeagnus, 1/2 to 1 ft. 49 ea. Hetzl Juniper, 1/2 to 1 ft. 59 ea. Sargent Juniper, 1/2 to 1 ft. 69 ea. Shore Juniper, 1/2 to 1 ft. 49 ea. Yupon Holly, 1/2 to 1 ft. 59 ea.</p>	<p>K. A. Victoria Celedonia K. Louise Rex Anderson White Am. Beauty</p> <p>PINKS</p> <p>Pink Radiance The Doctor Columbia Picture K. T. Marshall</p> <p>WHITES</p> <p>8 Candytuft (Iberis), Semp. White 1.19 8 Babysbreath, White 1.19 6 Galliardia, Red 1.19 8 Blue Flax (Linum) 1.19 8 Shasta Daisy, Alaska 1.19 6 Delphinium, Dark Blue 1.19 6 Delphinium, Light Blue 1.19 6 B. Tritoma, Mixed 1.19 6 Dianthus, Pinks 1.19 6 Lupines, Mixed Colors 1.19 5 Sedum, Dragon Blood 1.19 4 Clematis, Yellow 1.19 8 Fall Asters, Red or White 1.19 8 Fall Asters, Pink or Lavender 1.19 6 Yucca, Candle of Heaven 1.19 5 Oriental Poppy, Scarlet 1.19 2 Peonies, Red, Pink, or White 1.19 5 Mums, Red or Yellow 1.19 4 Dahlias, Red or Pink 1.19 4 Dahlias, Purple or Yellow 1.19 3 Liriope, Big Blue 1.19 3 Liriope, Variegated 1.19</p> <p>BERRIES, FRUITS AND HEDGE—1 or 2 Years Old</p> <p>10 Rhubarb, 1 year Roots \$1.50 10 Asparagus, 1 year Roots 1.00 25 Strawberry—Blakemore 1.00 25 Strawberry—Beauty 1.00 25 Gem Everbearing Strawberry 1.50 100 South Privet, 1 to 2 ft. 2.49 20 North Privet, 1 to 2 ft. 2.49 25 California Privet, 1 to 2 ft. 2.49 25 Multiflora Rose, 1 to 2 ft. 2.49</p> <p>NATIVE WILD FLOWERS—1 or 2 Years Old Collected from the Mountains</p> <p>5 Lady's Slipper, Pink \$1.19 6 Blood Root, White Flowers 1.19 6 Dutchman Breeches, White 1.19 4 Jack-in-the-Pulpit, Purple 1.19 3 Dogtooth Violet, Yellow 1.19 20 Hardy Garden Violet, Blue 1.19 3 Partridge Berry 1.19 3 Passionflower 1.19 6 Bird's Foot Violet, Blue 1.19 6 Trilliums, Mixed Colors 1.19 6 Blue Belles 1.19 6 Maiden Hair Fern 1.19 6 Hayscented Fern 1.19 10 Christmas Fern 1.19 4 Cinnamon Fern 1.19 3 Royal Fern 1.19 6 White Violets 1.19 6 Hepatica, Mixed Colors 1.19 4 Solomon Seal, White 1.19 3 Trailing Arbutus, Pink 1.19 4 Sweet Williams 1.19 4 Star Grass, White 1.19 4 Golden Seal, White 1.19 6 May Apple 1.19 6 Cardinal Flower, Red 1.19</p> <p>FLORIBUNDA ROSES—2 Year Field Grown</p> <p>Floradora, Orange \$.89 ea. Red Pinocchio, Red 89 ea. Goldilocks, Yellow 89 ea. Summer Snow, White 89 ea. Pinocchio, Pink 89 ea.</p> <p>PATENTED ROSES—2 Year Field Grown Number 1</p> <p>REOS</p> <p>Americana, Pat. No. 2058 \$3.50 ea. Big Red, Pat. No. 2693 3.50 ea. Grand Slam, Pat. No. 2187 3.50 ea. Hawaii, Pat. No. 1833 3.50 ea. War Dance, Pat. No. 2017 3.50 ea.</p> <p>PINKS</p> <p>Dr. Debat, Pat. No. 961 3.00 ea. First Love, Pat. No. 921 3.00 ea. Invitation, Pat. No. 2018 3.00 ea. Pink Masterpiece, Pat. No. 2294 3.50 ea.</p> <p>WHITE</p> <p>Sincera, Pat. No. 2055 3.00 ea. White Beauty, Pat. No. 1825 3.00 ea.</p> <p>YELLOW</p> <p>Golden Masterpiece, Pat. No. 1284 3.00 ea. Golden Scepter, Pat. No. 910 00 ea. Lady Elgin, Pat. No. 1469 3.00 ea. Summer Sunshine, Pat. No. 2078 3.50 ea.</p> <p>LAVENDER</p> <p>Song of Paris, Pat. No. 2669 3.50 ea. Sterling Silver, Pat. No. 1433 3.50 ea.</p> <p>CLIMBERS</p> <p>Don Juan—Red, Pat. No. 1864 3.00 ea. Golden Showers—Yellow, Pat. No. 1557 3.50 ea. Queen Elizabeth—Pink, Pat. No. 1615 3.00 ea.</p>
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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. NOTICE FREE—Orders in the amount of \$4.00 or more you get 2 flowering shrubs FREE, our choice. Orders in the amount of \$6.00 or more you get 4 flowering shrubs FREE, our choice. ORDER NOW.