

# ILLINOIS *REA* NEWS

The Voice of 105,000 Members

APRIL

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### SENATORS AMAZED

U. S. Senators frankly admitted they were amazed to learn that co-op representatives and attorneys worked so hard for co-ops for so little remuneration.

During the hearings on REA appropriations before the Senate committee, testifying co-op representatives were asked what they were paid to be in Washington on behalf of the rural electric systems.

Judge Leon W. Miller, attorney for a Michigan co-op, revealed he received \$95 a month and nothing for his appearance at the hearings. As far as he was concerned, he looked upon his work as a chance to perform a public service.

Sen. Homer Ferguson of Michigan commented, "we're accustomed here to retainer fees of thousands of dollars. You (Miller) kind of shock us with \$95 a month."

Clarence Reeds, president of the Oklahoma co-op state as-

(Continued on Page Six)



## Electricity For Churches

This Easter Sunday, thousands of farm families will gather for services in their country churches. Hundreds of these churches are on rural electric lines.

It would be presumptuous, of course, to credit rural electrification with affecting the moral and spiritual well-being of rural people. It can be said, however, that rural electricity has contributed wholesomely to the improvement of the physical church properties.

It is true that a person can be as religious in a kerosene-lighted church, as he can in one that has electric facilities. Still electricity has had a positive effect in assisting rural churches to better serve their congregations.

### Modern Facilities

Modern light, ventilation and heat are expected by farm people these days since they have grown

used to them in their own homes. And they see no reason why their churches should not have such accommodations. This is particularly helpful in their church Sunday schools, parsonages, and church halls.

In addition, since church group gatherings, social and otherwise, play such a vital role in encouraging brotherhood and congregational support for churches, electric equipment such as water systems and electric cookery, figure significantly in the success of rural church affairs nowadays.

So on this Easter, farmers will meet in worship in churches which, like schools, have been hooked on as the rural electric lines spread throughout the rural sections of our state and nation. This is another of the countless ways in which rural electrification has benefited the community life of country people.

William E. Murray, Editor

Kay Conlan, Assistant Editor

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## Editorial Page

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## Co-ops Show The Way

Though the private power companies imply that they own a patent on efficiency and skill and that rural electric co-ops are poorly managed organizations, the facts don't bear them out.

Rural electric co-ops have taught the private power companies many a lesson in efficiency and business-management which undoubtedly they would have never learned being noted particularly for their lack of vision.

Rural line construction, self-billing, and two-way radio are all phases where rural electric co-ops showed the way. Of course, the entire rural electrification program is a result of private power company shortsightedness. Co-ops therefore had to do their own pioneering and had to adopt more progressive, efficient methods of building and maintaining electric systems in order to make them pay, something the private power companies said could not be done.

One recent example of how co-ops have pioneered comes to us from William Planert of Southern Illinois Electric Cooperative.

During a severe sleet storm recently which hit both co-op and power company lines in the area, the co-op crews, equipped with two-way radio communications, restored service way ahead of the power company crews. The latter marvelled at the co-op's speed in repairing lines and when they learned the secret—two-way radio—they decided that their crews must have radio also. According to Mr. Planert the local power company manager commented: "Thanks to REA, we now are getting two-way radio."

All of which demonstrates that while private power companies have a monopoly on power, they don't have a monopoly on "business-management."

## Something Amiss

The L-P Gas Industry is conducting a million dollar national promotional program to popularize gas appliances. That in itself is all right since it's still a free country and competition is a good thing particularly for consumers.

In the L-P propaganda literature, designed to stir up members of the gas industry to a frenzy, it refers to rural electric co-ops as "government-subsidized REA cooperatives."

Since co-ops deeply resent such untruths as the charge of government subsidy makes and the apparent anti-co-op attitude of the L-P propagandists, it is just a trifle ironic that L-P dealers would want to do business with members of REA co-ops which they refer to so bitterly.

Something must be amiss with the concept of "fair play" when L-P gas people outwardly turn on their sweetest smiles to entice REA customers to buy gas appliances and then behind their backs disparage their cooperatives with malicious accusations.

## Are You Moving?

Many farm families are on the move from one farm to another. Many are by now settled in a new place. Have you notified your rural electric co-op that you've moved? If not, please make it a point to do so without delay.

It is extremely important that you get such information to your co-op office since it must have it to keep its records up-to-date.

You can also help by having the new person who moved to your former address, notify the co-op, since it may save an unnecessary trip to disconnect the premises.

Cooperatives do not operate on large margins of surplus because serving rural areas with electricity just doesn't bring in the large revenues that city utility companies enjoy in servicing highly concentrated population areas. Therefore cooperation of this sort on the part of members is highly important to your cooperative's efficient operations.

## What Our Readers Say

## Guilty Conscience

After reading the letters in the Illinois REA News on the question of gas ranges on co-op lines, I have come to the conclusion that many of the writers have a guilty conscience and they are giving excuses instead of reasons.

I think the good reasons for having them are rather scarce. The following true story is one good reason for not having a gas range:

While my neighbor, who has one, was away from the house for about 45 minutes, the valve on one of the gas drums blew off and when he came back, gas was all over the premises. He says the only thing that kept the pilot light from igniting the escaping gas and burning the house was the fact that the windows were closed because of winter weather.

It would not have taken a very good salesman to have sold him an

electric range right then. He also says that an electric range owned by a relative is just as fast as his gas range.

I believe that the manufacturers of electric ranges have been negligent in not stressing the increased efficiency of their burners in the last few years.

Our old range is not nearly as good as the recently purchased one that my son and daughter-in-law are using. And both of the electric ranges are made by the same company.

What if we do have an outage once in a great while. I never heard of anyone who bought a horse just because his automobile failed to run occasionally!

Hoping someday our co-op can furnish me electricity at 1 cent for my electric range, I remain,

Audace Herzberger  
Virginia

## Washington Report

This month the bitter struggle over disposition of energy generated at Federal hydro-electric dams swept through the House of Representatives into Senate Appropriation committees. Public forces won the first skirmishes of the struggle when the omnibus House appropriations bill was reported to the representatives without restrictions on Rural Electrification Administration loans for generating plants. That was the issue picked by private power company officials who appeared before House committees this year in their perennial effort to prevent REA-financed cooperative groups from obtaining direct benefits of river resource development.

However, this month's struggles between power companies attacking REA loans for power plants which will be integrated with Federal hydro energy in the Southwest reached the most bitter and unusual proportions. Kansas, Arkansas and Oklahoma utility officials obtained a special joint meeting of the Interior and Agriculture sub-committees of the Senate Appropriations committee on March 16. Rural leaders fought back immediately after their National meeting in Chicago, and appeared before a similar joint group of Senators March 20. On March 21, even the heads of the two Federal agencies which are involved—REA Administrator Claude R. Wickard and Southwestern Power Administrator Douglas Wright—

were summoned before the joint sub-committees.

Rep. Boyd Tackett, who has introduced special legislation to require Congressional approval of any REA loans for power plants which will be tied into Federal transmission systems—or even private power company systems—launched a personal attack on rural electric leaders, Clyde T. Ellis and Thomas Fitzhugh—both fellow Arkansans. Through implication but not venturing direct charges, Tackett represented Ellis and Fitzhugh as advocating nationalization of the electric power industry and involved in wartime power ventures for their personal benefit. Both Ellis and Fitzhugh flatly denied Tackett's implications and pointed out that the National Rural Electric Cooperative Association, of which Ellis is executive manager, has gone formally on record as directly opposed to Tackett's proposed legislation. Said Ellis: "Nationalization has nothing to do with this issue. The issue at stake is the welfare of rural people . . . and the implication amounts to irresponsible misrepresentation for the purposes of preserving the power company monopoly in the Southwest."

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# 22% of Co-ops Experiencing Inadequate Power Supply

Almost 100 rural electric leaders converged on Washington March 17 to appear before the Senate Appropriations Agriculture sub-committee in a denial of private utility charges that no power shortages exist in rural areas.

Representing consumer members in 24 states, the managers and farmer-directors testified that 22 per cent of the nation's rural electric systems are now experiencing an inadequate supply of wholesale power. Sources of these figures is the survey conducted by the National Rural Electric Cooperative Association early this year.

This grass roots testimony refuted the contention made last week before an unusual joint hearing by the Senate Appropriations Agriculture-Interior sub-committee by 16 power company officials from the Southwest. Representatives of the 16 private utilities declared that "There is no shortage of power down there in the territory served by all these companies."

### Loans Under Fire

Under private utility fire are loans made by REA to federated farm cooperatives for generating and transmitting electricity to supply points of the individual systems. Special target of the power companies are leasing agreements between REA-financed systems and the Interior Department's Southwestern Power Administration. Through their attack on these agreements, they are attacking all rural electric system generation and transmission by gathering support for bills entered in the House and Senate by Rep. Boyd Tackett (Ark.) and Sen. Elmer Thomas (Okla.) respectively. The Thomas-Tackett bills would in effect force REA to get Congressional approval of almost every generation or transmission loan.

In answer to the power companies, the rural electric leaders declared that the agreements made with agencies such as the Southwestern Power Administration would benefit both the farmer and the Federal government. The loans for steam plants made to the rural electric systems would make firm steam power available to the Federal agency to use when low water levels in rivers cut down the electrical output of dams. In return the farmer-owned rural electric systems would get low-cost Federally-generated electric power.

The SPA can sell its power, firmed by the steam plants, at much higher rates than the rates, as low as one-twentieth of a cent per kilowatt hour, it has been selling its power to the private utilities.

### Stress Need

Stressing power supply as their most stringent need, the rural electric system managers and directors

### House Bill Includes \$350 Million For REA

The House appropriations committee included \$350 million loan funds for the Rural Electrification Administration in an omnibus bill it reported out on March 21. The bill now goes to the House for consideration.

In addition to the \$350 million, the bill also provides for another \$150 million should REA need the extra amount during the next fiscal year (1951). This is the same as REA received last year.

REA administrative funds were cut from the \$9,525,000 requested in the budget to \$8,150,000. The money provides for the administration costs during the coming year of both the electrification and telephone programs. The telephone loans were cut from \$50 million requested to \$25 million on the grounds that the phone program was not yet sufficiently underway to justify more. Additional funds would be granted if need shows they are required.

told the sub-committee that their total requests for rural electrification loan funds amounts to \$100,000,000 less than was authorized last year.

Included in the group testifying before the sub-committee were Edward P. Ohren, president of the Illinois Statewide Power Cooperative, and A. E. Becker, coordinator of that cooperative.

### Thomas Craddock Named To Position With REA

Thomas E. Craddock, veteran REA cooperative manager of Seymour, Tex., has been appointed assistant chief of the Management Division of REA. The position, new in the REA staff organization, was created in order that REA may improve and expand its services to borrowers in the business management field.

Craddock is nationally known among rural electric cooperative leaders, having served as president of the NRECA in 1947 and 1948. Since 1945 he has been Texas director for NRECA and a member of its executive committee in Region 10.

The Texan has been manager of the B-K Electric Cooperative, Seymour, Texas since its organization in 1938. He also served as director of the Brazos River Transmission Electric Cooperative of Waco, Texas, and the Texas Power Reserve, the Texas state cooperative association.

### REA APPROVES LOAN

The Rural Electrification Administration has approved a loan of \$265,000 to Tri-County Electric Cooperative of Mt. Vernon. The funds will finance the construction of 97 miles of distribution lines to serve 249 new rural consumers, completion of previously approved construction, communication facilities and headquarters facilities.



PUREBRED BERKSHIRES KEEP Guy Karraker's hilly farm in the "high productive" class. Located in a highly erosional soil area, the Karraker farm has been producing for 120 years.

## Livestock Keeps 120-Year-Old Guy Karraker's Farm Productive

Since 1829 the Karraker farm near Dongola, though located in a highly erosional soil area, has yearly maintained an above average mark for acre productivity. "The 'secret,' if you want to call it that," says the present Karraker, Guy, "is that we try to make the most of what we have."

Karraker said that when his grandfather came to Illinois in 1818 from his home in North Carolina and homesteaded the hilly farm, the land was virgin soil. "He needed only to clear it to produce."

It was then that Guy mentioned that the family still had the original homestead deed for 160 acres which had the signature of President Andrew Jackson on it. "In those days, each homestead deed had to be signed by the president," Karraker explained.

### Added Livestock

Returning again to the topic of conversation, productivity, Karraker said, "When my father took over the farm something had to be done for

the soil had begun to lose its fertility. So he added livestock to his farm program because this hilly land is well suited for pasturing.

"Then when it came time for me to farm the homestead. I decided to try specializing in raising livestock for breeding purposes," Karraker said. He pointed out that since his return to the farm in 1938, after 25 years, he has raised purebred Berkshire hogs and Polled Hereford cattle.

The breeder said that he follows a planned breeding program, using a little relationship with an occasional complete outcross, in his hog-raising enterprise. As his aims he has; a fast grower, lot of weight for age, appealing to the eye, and growth instant. He doesn't do much inbreeding.

### Electricity Helps

Helping Karraker to maintain the farm's average acre productivity is power from Southern Illinois Electric Cooperative of Dongola. Immediate-  
(Continued on Page Seven)

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## 4,300 Rural Electric Co-op Leaders Meet In Chicago

The rural electric cooperative program was acclaimed by President Truman, March 7, "as an ideal demonstration of a way in which the government and the people can work together in solving pressing economic problems." The occasion was the annual convention of the National Rural Electric Cooperative Association held in Chicago, March 6-9.

In his message to the more than 4,300 convention delegates, representing co-ops in 42 states, the President said: "Through the local initiative of the rural people whom your delegates represent, supplemented with Federal, low-cost loans, this nation has succeeded in building a thousand new private business enterprises which provide a much needed service to several million farm families."

The meeting, largest in NRECA history, focused much attention on the right and need of farm families to generate and transmit electric power with the aid of REA loans, and to integrate their power facilities with expanded hydro-electric power development.

### Strong Resolution

In a strongly worded resolution, the delegates urged members of Congress to support the present REA loans for generation and transmission to eligible borrowers and "to be on guard against the malicious and vicious attacks of the (commercial) power companies on this phase of the rural electrification program, which has the overwhelming support of our three million farm families."

Principal speakers included Secretary of the Interior Oscar Chapman, REA Administrator Claude R. Wickard, NRECA Executive Manager Clyde T. Ellis, Senator Lister Hill, TVA Chairman Gordon Clapp and Cooperative League Secretary Jerry Voorhis.

Secretary Chapman called electricity, "the life-blood of our nation." He declared that the Department of Interior is developing the nation's water power at a record breaking pace and is constantly making efforts to cooperate with rural electric systems needing that power to fill the rapidly growing demands of American farmers for electricity.

### Other Speakers

Other speakers including TVA Chairman Clapp stressed that development of low-cost water power by the government could save American farmers millions of dollars annually on their electric bills.

NRECA Manager Ellis gave specific figures to document Clapp's statement. The utilities "overcharged the American people more than \$2 billion dollars by comparison with TVA rates" in 1948, Ellis said. "Right here in Illinois by the same comparison, the power companies overcharged the people \$147 million out of the \$295 million they charged them for power in 1948."

The new rural telephone program being undertaken with the assistance of REA loans received considerable attention. Speaking on this topic, Senator Hill, author of the Senate rural telephone bill, urged the delegates to remain united in

the "never-ending fight as we carry to the farm people of America the opportunity to share fully in the comforts and benefits of modern living."

### Emphasizes Service

REA Administrator Wickard emphasized that service from rural electric co-ops to their consumers should be better than service offered by other types of suppliers. "After all, REA cooperatives were established for service. There are many sound reasons why REA cooperative service is and should be better than the service offered by any other type of supplier." He listed as reasons for this, member ownership and control of co-ops and the goal of area-wide coverage.

Cooperative League Secretary Voorhis pledged his organization's support to the NRECA in its fight for adequate power at reasonable rates. "What we are fighting for is the right of the people to own, to operate, to be responsible for their own businesses. We are attacked together. We must stand together to fight back, and to tell our story of the co-ops as the middle way for a better America and a better world."

In resolutions, the convention asked Congress to authorize \$400 million loan funds, and \$7,425,000 administrative funds, for REA during the coming fiscal year (1951). Also \$50 million for rural telephone loans and \$2,100,000 for telephone fund administrative purposes.

### Delegates Score

The delegates rapped the "vicious propaganda charging co-ops as being tax-dodgers" and urged that Congress preserve the present income tax status of rural electric cooperatives.

Another resolution called for \$500,000 to be made available for farm electrification research. The delegates commended REA Administrator Wickard for his approval of loans for the construction of electric generating and transmission facilities, "thereby affording many rural areas electric service" which otherwise would have been unavailable, or inadequate and too expensive.

Delegates from Illinois played a prominent part in the convention at Chicago. Everett R. Read was chairman of the host committee and John Sargent, chief sergeant-at-arms. Host committee members included Edward P. Ohren and A. E. Becker.

### Illinois Sergeants

Illinois people serving as sergeants under Mr. Sargent included, Fred W. Harms, Raymond Pitchford, G. Wayne Welsh, Roy L. Sharrow, Norman D. McCoy, Carl Edwards, A. C. Barnes, T. H. Hafer, Joseph H. Heimann and V. C. Kallal.

Harold C. Whitman of Cameron, elected as state director at the fall Region V meeting, was installed as executive committeeman on the NRECA board of directors from Region V. Mrs. Edith Kays was named Region V representative of the NRECA woman's auxiliary.

The recently organized Statewide

Association section elected State Manager Becker vice-president. William E. Murray, editor and manager of the Illinois REA News, was elected president of the National Electric Cooperative Press Association made up of statewide publications reaching 1,250,000 REA co-op members in the country.

Re-elected president and vice-president, respectively, of NRECA,

were Clark T. McWhorter of Oklahoma and Clyde Seybold of Indiana.

### NAMED HEAD

Chriz L. Schultz, formerly REA regional construction engineer for Illinois, Iowa and Wisconsin, has been named chief of the newly created technical operations and maintenance section of REA.

## Schneider Retires From Edgar Co-op Presidency

As his last official act as president of Edgar Electric Cooperative of Paris, Charles Schneider called the co-op's annual meeting to order February 23 in the Paris Community High School Auditorium.

Schneider, who resigned from the co-op's board of directors in order to devote time to other pursuits, thanked the members for the privilege of being a director. He also expressed his thanks to the board of directors for making it possible for him to serve as president of the co-op.

In his report Schneider said that the cooperative purchased about three acres of ground north of Paris for the purpose of erecting a new office building. "As our present office has become inadequate due to the fact that your cooperative is now three times as large as it formerly was, we have had to consider constructing a new office."

### Co-op Reconverts

Schneider reported that the co-op is reconverts some present feeder lines in order to give members in outlying areas of Edgar and Douglas counties adequate power. He asked the members to bear in mind that in order to set new poles for these proposed lines, current in some areas will be cut off for a time. "A program is being worked out so that your current will not be off any longer than necessary," he added.

Schneider pointed out that during the past year board of directors voted to send the Illinois REA News to the members. "The Illinois REA News not only lets you know what is going on in Illinois, but it also gives you information concerning happenings in Washington," he said.

"If by chance you have not received your paper," Schneider added, "kindly notify the office as we have some extra copies."

### Schneider Honored

The past-president was presented with a pen and pencil set as a token of appreciation of his work while serving on the board. Manager J. E. Hardy made the presentation on behalf of the cooperative.

In the manager's report, Hardy reviewed the year's operations. He noted that the co-op now has 2,654 members who are receiving service over 965 miles of line. He pointed out that since 1939, first year of operation, average monthly consumption per member has almost doubled itself. "Today you members pay an average bill of \$6.63, whereas in 1939 you paid \$3.93."

Hardy said that during the past year the co-op received several com-

plaints about fast meters. "Some members have tried to check their meters with watches to see if they were fast. I assure you that if we could test meters with watches there would be no need for meter testing equipment. Watch testing is impossible."

He pointed out that the meter is one of the most accurate instruments being used today. "When it is installed the meter is set to run 98 per cent accurately."

### Introduces Employees

Manager Hardy complimented the members and the board for their cooperation last year. He also expressed his appreciation to the co-op's employees. He said that included in the success of any cooperative is good employees. "And we have them too," he declared. Hardy then introduced the employees to the members.

Following the manager's report was the report of Treasurer C. E. Winans, who explained how the "co-op" dollar was spent. Purchased power, 32 cents; billing and collecting, 4 cents; insurance and taxes, 5 cents; operations and maintenance, 10 cents; general office salaries and expenses, 13 cents; interest on loans, 15 cents; payment on loans, 12 cents; depreciation, 4 cents; and miscellaneous expenses, 5 cents.

Seven directors were elected. Those elected were: Vern English, Dean Watson, Max S. White, Clayton Perisho, C. E. Winans, Roy Dickerson, and Zollie Marrs, who replaces Schneider.

### Elect Watson President

In the organization meeting, which was held after the annual meeting had adjourned, Watson was elected president, Perisho, vice-president, and Winans, secretary-treasurer.

An electric stove, donated by the cooperative, plus numerous other electrical appliances, were awarded at the conclusion of the afternoon annual meeting program. Entertainment was also a part of the meeting.

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See RURAL EXCHANGE  
Page 24

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## Paxton Co-op Cited As 'Example of Leadership'

What is leadership? "It's that quality in man that enables him to get people to do what they should do, voluntarily without fear or thought of reward," is the way W. B. Peterson, director of distribution for the Illinois Farm Supply Company of Chicago, defined it.

Peterson, who gave the principal address at Eastern Illinois Electric co-op's annual meeting February 21 in the Paxton Community High School auditorium, said that the Paxton co-op has that quality of leadership.

"It is displayed in your directors, who worry more about others than themselves," he declared. He then pointed out to the members that the success of any organization depended upon what kind of leadership it had.

### Calls Attention

In his address Peterson called attention to the changes which the co-operative has undertaken since it began. "In the early days of the co-op, meetings were held at night. There were only men at those meetings and most of them came dressed in their work clothes.

"Today we meet in the daytime in large halls, all dressed up in our Sunday best," he said, "and the women are with us too. This speaks well for your organization." He said that this shows that the cooperative has become an important part of the community.

Throughout his speech, Peterson made sure he held the attention of the capacity crowd by injecting humorous quips into the serious side of his talk.

### Other Reports

Besides Peterson's address, reports of the president, manager and treasurer were given. President R. L. Stanford, who called the meeting to order and presided over it, gave a brief welcoming address.

Manager T. M. Brady discussed the co-op's progress during 1949. Said Brady, "the year of 1949 was the most progressive year in the history of the cooperative." He said that the co-op completed a large amount of construction and conversion work which will provide better service to the members and at the same time take care of any future demands.

To give the members an idea of the co-op's increased amount of business last year Brady gave the following figures. As of December 31, 1948 the cooperative had connected 5,444 members. For the 12 months in '49, the cooperative connected 1,061 more members making a total membership of 6,505.

For the year ending December 31, 1949 kilowatt hours purchased increased 4,728,100. He added that the co-op had a sound financial condition.

### Installed Breakers

Brady said that the co-op has already installed 85 per cent of the automatic oil circuit breakers on the lines. "The installation of these oil circuit breakers has cut down

the number of storm outages, and they have insured the members better continuity of service.

Work will be started in April on the construction of the new sub-station near Donovan to improve service conditions for members in that area, Brady said. "This will be the sixth and final sub-station your cooperative will have completed in the area served by it. We think you have a very fine electric system."

The manager asked the members to send in their meter reading cards as soon as they receive them. "In cases where we don't receive your card on time, we have to estimate your bill, then when we receive the next reading we have to adjust the bills. When you consider that we have several thousands bills to send out each month, if this happened on many of them, it would consume a great deal of time."

### Compliments Members

He complimented the members for their cooperation in cutting trees and removing brush along the lines. He also expressed his thanks to the directors and employees of the co-op. "Working together in harmony is the secret of getting things done the cooperative way," Brady declared.

All of the co-op's 11 directors were re-elected. They were: R. L. Stanford, Clarence Grosenbach, Albert Gove, Gerald Hodge, Carl Irving, W. B. Lyon, A. B. Hirstein, W. F. Ringler, Fred Bielfeldt, Holly Ludwig, and Ora Ross.

Two resolutions were passed which dealt with changes in the co-op's by-laws. They proposed that the membership fee be changed from \$5 to \$10 and that the present \$5 meter deposit charge be done away with. This \$10 membership fee can be refunded if service is discontinued or not received.

A large number of electrical appliances were presented to members at the close of the meeting. Entertainment had been provided by the WLS Rangers.

Get in the habit of "looking first" in the RURAL EXCHANGE of your statewide publication, the Illinois REA News, when you're in the market to buy or sell.

## Senators Amazed--

(From Page One)

sociation, revealed he had never received one cent of pay during his many years in co-op work.

Senator Lister Hill of Alabama, when NRECA Manager Clyde T. Ellis testified he received \$16,000 a year, said: "Compared to the power company salaries that is very small. I regret we didn't go into the salaries of the private power company officials when they appeared before our committee."



LITTLE BUNNIES now, but come Easter and these white rabbits may be found in some small girl or boy's Easter basket.

Hackler Dolphun, pictured with his two children, has raised rabbits since he was a youngster. He said that it has been more of a hobby than a business. He has six white angora does, one buck and 13 baby rabbits.

Dolphun is a hired hand on Joe Krejci's 300-acre farm near Hamel. The baby bunnies pictured are four-days-old. When it comes time to sell them at Easter, they will be four-weeks-old. The Krejci farm receives electric power from Southwestern Illinois Electric Cooperative of Greenville.

## Corn Belt Members Revise By-Laws At Annual Meeting

Members of Corn Belt Electric Cooperative of Bloomington authorized the board to join the Illinois Statewide Power Cooperative if the need should develop.

President Walter Risser explained that while the present wholesale supplier, Illinois Power Company, has up to now been able to meet the co-op's expanding needs, the problem of future power sources is becoming more important.

Other action voted by the members at their February 25 annual meeting in the Lutheran School, Bloomington, included adoption of the capital credits plan and membership in the Illinois Agricultural Auditing Association. Because of its financial progress, the co-op must furnish its own audit. Formerly, REA performed the service.

### Joint Use

The president informed the meeting that a joint-use of poles would be approved by the board when necessary to help extend farm telephone service. The telephone companies will be permitted to rent use of co-op poles when needed.

Mrs. Ruth Otto presented the secretary-treasurer's report. Gross income for 1949 amounted to \$534,495. Interest on REA loans—\$30,113—plus operating expenses left a net surplus of \$82,777. The co-op paid taxes amounting to \$23,000.

Manager T. H. Hafer revealed that wholesale power rates went up in 1949. He added that the wholesale rate will go down during 1950 due to the lower cost under a recently negotiated contract with the power supplier.

### Increased Demands

The manager said that increasing

demands for current by members will necessitate expanding the capacity of the lines. The line rephasing will permit a load of 4800 kilowatt hours per year to each member. Present consumption is 2,800 kwh annually per member for the co-op's 5,800 consumers. It has grown from 639 kwh in 1940.

Continuity of service was good during 1949, the manager reported. Tree and brush clearing is still going on. The co-op will pay half of the bulldozing cost for clearing. He urged members to check their wiring and make any changes or improvements required.

Members were urged to notify the co-op office promptly when they move. With 1,000 moving every year, this is essential, Mr. Hafer emphasized.

### Safety Award

A safety award was made to Corn Belt Electric by D. B. Bidle, Illinois safety and job training instructor. The plaque was accepted on behalf of the line employees by Don Allen, foreman. It represented 100,000 man-hours of work without a lost time accident.

Mr. Risser was re-elected president; Frank Simpson, vice-president and Mrs. Ruth Otto, secretary-treasurer. Other directors re-elected were, Franklin Allen, W. B. Ellis, H. O. Groves, Homer Jeckel, Edward S. Kearney, Harry Miller, Mrs. Ethel Moon, and Ivan Snow.

Name of manufacturer of appliances mentioned in articles in this issue may be obtained by writing the Illinois REA News, Box 1180, Springfield, Ill.

## Adverse Weather Fails To 'Dampen' Menard Meeting

Though discouraging weather conditions prevailed on the morning of February 25, there was nothing gloomy about the Menard Electric Cooperative's 13th annual meeting. A near capacity crowd turned out for the meeting held in the Petersburg Community High School gymnasium.

In the absence of President Homer T. Brown, Director C. Nelson Worner presided over the all-day meeting.

Manager Howard Bell said that the meeting meant more to him this year than merely just another meeting. "It means that I have completed one year as manager of your cooperative."

### Discusses Sleet Storm

Bell began his report by discussing the sleet storm of January, 1949. "That was one of the worst storms ever experienced by your cooperative," he said. "There are those of you who were without service from a few hours to five days.

"And even though our crews received help from four neighboring cooperatives, they worked an average of 18 hours a day." The manager said that because of the great amount of damage done to the lines by falling trees, it had been impossible to restore service faster.

"Fully 90 per cent of our trouble was caused by falling tree limbs," Bell declared. "This was the reason we began an extensive tree removal program. And the results have been most satisfactory."

The manager pointed out that though the tree cutting and hedge removal program cost the co-op \$11,000 last year, "each hedge and tree removed is one less hazard to the continuity of service you have the right to expect."

### Undertakes System Changes

Bell said that the co-op is undertaking system improvements now. These include rephasing lines, adding circuit breakers and voltage regulators. "These improvements were made necessary," said Bell, "by the fact that each day members are finding new methods for making electricity work for them. During 1949 the members used approximately 25 per cent more power than they did in 1948."

The Mason City substation, which was placed in operation on May 25, and the Virginia substation, energized on October 9, have helped decrease low voltage conditions in those areas. "However, it is not possible to receive full benefit of those stations until heavier feeder lines, leading out of them, can be constructed," Bell said.

### "Slow Process"

Manager Bell pointed out that re-converting an existing line into a heavier system is a slow, hazardous and costly procedure. At times it will be necessary to discontinue service on some lines, Bell noted, but he felt that this interruption would be overlooked by the members when they received better service in return.

Jeff Williams, a Chickasha-Okla-

homa lawyer, gave the principal address. He spoke in the afternoon portion of the all-day meeting.

Williams said that the trouble with America today is that the people worried more about triviality than about reality. He said that we should pay more attention to the important things of life, "education and religion." The lawyer said that what we needed in this country was a "healing faith."

Said Williams, "we're living in a highly competitive world and if we are to survive we have to get on the ball. If enough of us perk up the torch of life and hold it high, we will not see the shadows of destruction and will not die."

The present nine directors were re-elected by a voice vote from the floor. They were: Homer T. Brown, E. Clyde Lewis, C. Nelson Worner, W. H. Montgomery, Henry B. Colby, Ernst R. Hild, Archie Zook, Charles S. Smith, and Audace Herzberger.

At the conclusion of the meeting attendance awards were presented to members. Radio entertainers, Mac and Bob played various request numbers for the members.

## Livestock Keeps--

(From Page Three)

ly upon his return to the farm Karraker became an "active" member of the co-op. He said, "the years I spent in the city with electricity spoiled me and I wouldn't farm today unless I had it."

He said it was extremely helpful in raising his hogs. "As there is nothing so essential to raising hogs than an adequate water supply, I had a watering problem that needed solving." It was easy to solve too," he added, "when I let electricity do the job."

Karraker said that he had 1,600 feet of pipeline on the farm, which today is 404 acres, supplying water to the automatic waterers in the hog pens. "Those hogs just wouldn't do anything unless they had enough water," he declared.

### Lessens Work

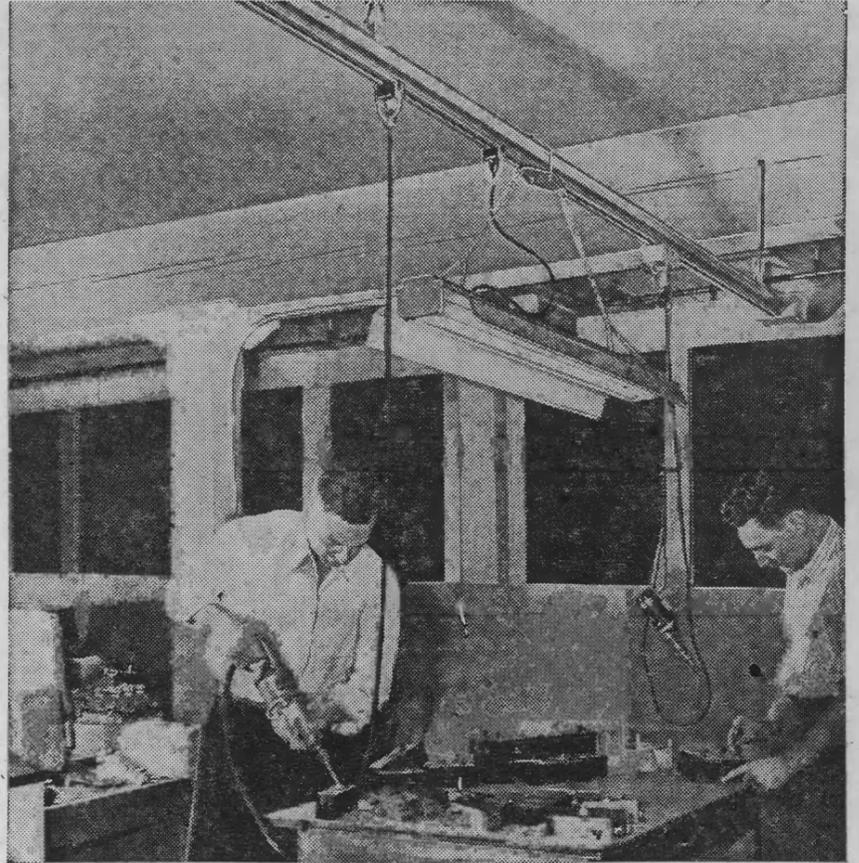
Furthermore his whole farm is electrified, from the farm house, built in 1884 by his father, to the old log barn, built by his grandfather around 1820.

"Maybe people lived just as long without electricity," he remarked, "but now they have less work to do and at the same time they live a much fuller life.

"I can remember when my mother would carry water 100 yards up the hill to the house from the stream. Or when she carried the milk to the stream in the summer to cool it off. Now we have electric refrigerators and water systems that have relieved the farm wife of that chore."

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INSTALLATION OF overhead electric power track permits tools to be moved with work and does away with the need for wall plugs and long extension cords. Both light and tools in this workshop are operated from overhead power line.

## Overhead 'Power Track' Eliminates Wall Plugs

Something new for farmers planning to build workshops is now available in the form of a overhead trolley-track supplying electrical power for lights, small machines, power tools and the like. This type of power supply overcomes the problem of having too short a cord or having the electrical outlet too far away.

The new power distribution system is a prefabricated trolley and plug-in busway designed to give a new flexibility and dependability into a wide variety of electrical operations. The sections can be installed along any length of building.

The "track" sections can be tapped by a plug or trolley which slides along the track to any desired point. There is no delay for disconnecting in one place and plugging in again at another. Every inch of the trolley is a potential outlet. This type of power enables a worker to move along with the job.

### Power Where Needed

In effect, the new power source is an overhead electric power highway which can span the length and breadth of a building, taking power where it's needed at any particular moment.

An additional feature is that the power track can be dismantled in one building and put up in another with little labor, delay, or expense, and with complete re-use of all parts.

The idea of the power trolley-track is a new one for farm buildings. To date, the system has been used in workshops, laboratories and garages. The system is well adapted, however, for use with power tools in the farm workshop or garage. It should be well suited for the lighting of barns or large poultry houses.

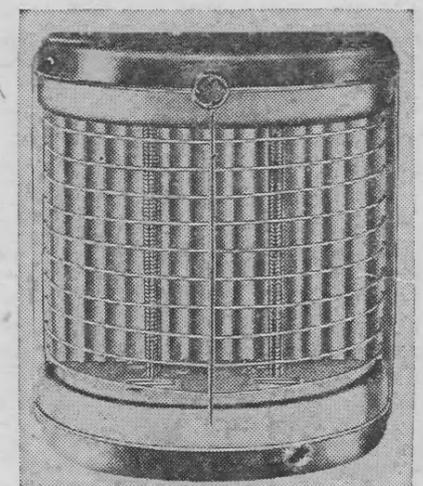
### Farm Application

And—better than the uses suggested—the new power source should find wide application in

barns as a source of power not only for lighting but for milking machines as well. In the latter case, a track hung down the center of the barn, would furnish electrical power that could be tapped by a slight overhead reach, thus eliminating the need for long extension cords which usually run from unhandy wall sockets.

Use of the overhead power source as described should show the way to greater efficiency, flexibility and safety in power distribution in farm buildings.

### WHAT'S NEW?

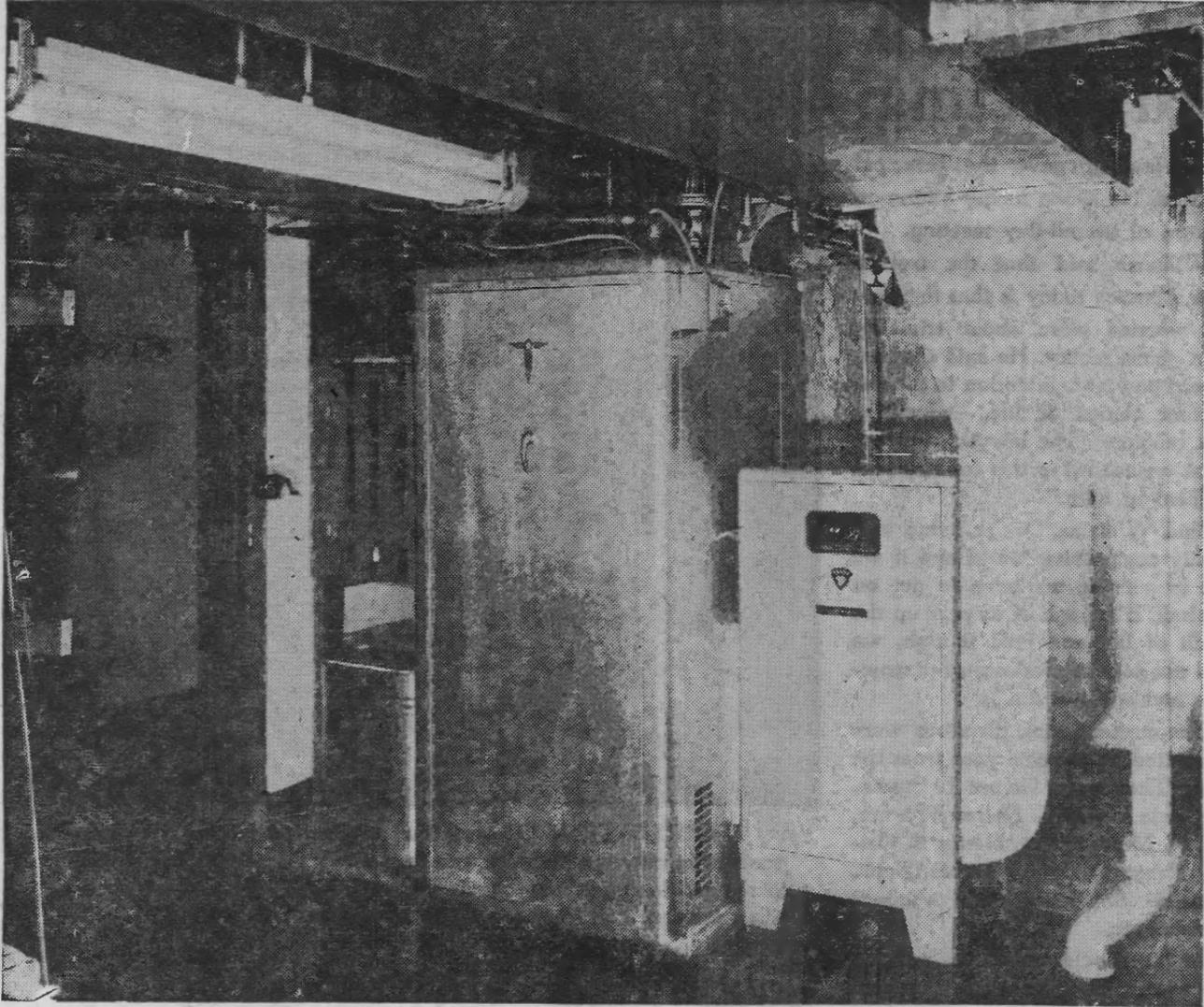


A new portable electric heater designed to provide quick clean heat over a wide room area is now in production and available for farm users.

The new heater is of upright, semi-circular shape and has an aluminum reflector that directs the heat of the two electric elements over a 180 degree area. It heats a room by both radiation and convection.

The heater is carried from place to place by a convenient handle and has a protective steel wire guard. It is attractively finished in ham-mertone gray.

The heater carries a fair trade price of \$13.95.



**EASILY INSTALLED** in the return air ducts of a warm air ventilating system, electric air filter (right) removes more than 90 per cent of dust and dirt from air before it circulates.

ing them clean in two minutes and flushing the dirt into the sewer system. Simple and convenient controls, mounted on a panel, operate the air filter. The filters are built for maximum life and minimum service. There are no moving parts to wear. The units are designed for safety and are available in a number of sizes.

#### 90% Removal

As determined by the U. S. Bureau of Standards "blackness" test, electric air filters will remove more than 90 per cent of the particles from air passed through them.

Electronic air filters are easily installed into the duct work of air circulating or air conditioning systems, with the cost of operation negligible. They have also been used successfully with other types of heating, at a slightly higher installation cost since air ducts and a blower are required to force the clean air through the building.

Researchers in the field of electric air filters have figures to show that the average human being inhales every 24 hours more than 2,000 gallons of air (its weight is about seven times greater than the food and water consumed in the same period).

#### Dirt In Air

It has also been substantiated that each cubic foot of air in the average American city contains from 500,000 to two million particles of dust, dirt, soot, lint and pollen. This figure would be reduced for the average farm home but would vary widely under different conditions.

Engineers have proved that these undesirable particles in the air (even those of sub-microscopic size) need not exact heavy tolls in maintenance or in health dollars. They even have figures to show how electric air filters more than pay for themselves.

As reported in the Wall Street Journal, home owners are installing the air filters at the rate of 2,000 per year at prices ranging from \$600 to \$1,500 installed. The smallest of the available units is about the size of a refrigerator.

#### Becoming Popular

In industry and business the installation of the precipitators is a growing activity. The growing list of users includes food processing concerns, steel and aluminum mills, department stores, hotels, restaurants, breweries, chemical plants, hospitals, banks and atomic energy plants. The increased use of television has necessitated the filters for keeping tobacco smoke away from the screens.

More and more people are quickly recognizing the fact that pure air is as necessary as is pure food and water. It is small wonder that considerable thought is being given the matter of conditioning air, both in public places and in homes, in order to make them healthier places in which to live.

# Scrubs Air Electrically!

## Electronic Device Attaches to Furnace—Removes Dust, Dirt, Pollen; Costs Little to Operate

You don't need to go to the mountains for clean, pure air in your home. An electronic air filter is now available which removes dust, dirt, soot, smoke and pollen from the air. This electric air scrubber costs no more to operate than a 50-watt bulb.

Clean air circulating about the home means pleasant relief from irritations of the mucous membrane and respiratory tract. If you suffer from dust or pollen allergies, the air filter operated by an electric current should be investigated.

For the housewife, the absolutely clean air circulated by the device naturally means that walls, woodwork, curtains, drapes and slip-covers stay clean for years. There's no need for constant dusting, scrubbing, yearly decorating, spring housecleaning, frequent cleaners' bills for home furnishings or replacement of often-cleaned items. The air filter gives more leisure time for family life.

#### Relatively New

Controlling temperature in homes is now a standard practice. Controlling humidity is no longer a problem of complex equipment. However, it was not until more recently when the electrostatic principle of removing foreign particles in the air was perfected that air cleaning on a large scale could be done with any degree of efficiency.

The use of high voltage electricity to remove undesirable solid particles from gases was discovered and first patented by Dr. Frederick Cottrell in 1909, and led to many industrial advances.

It was not until 1936, that Dr. Gaylord Penny perfected a means

of purifying ventilating air by the use of electrostatic precipitation. And, it remained until after World War II for active promotion in this field to arouse the interest of the general public to the benefits of this new scientific development.

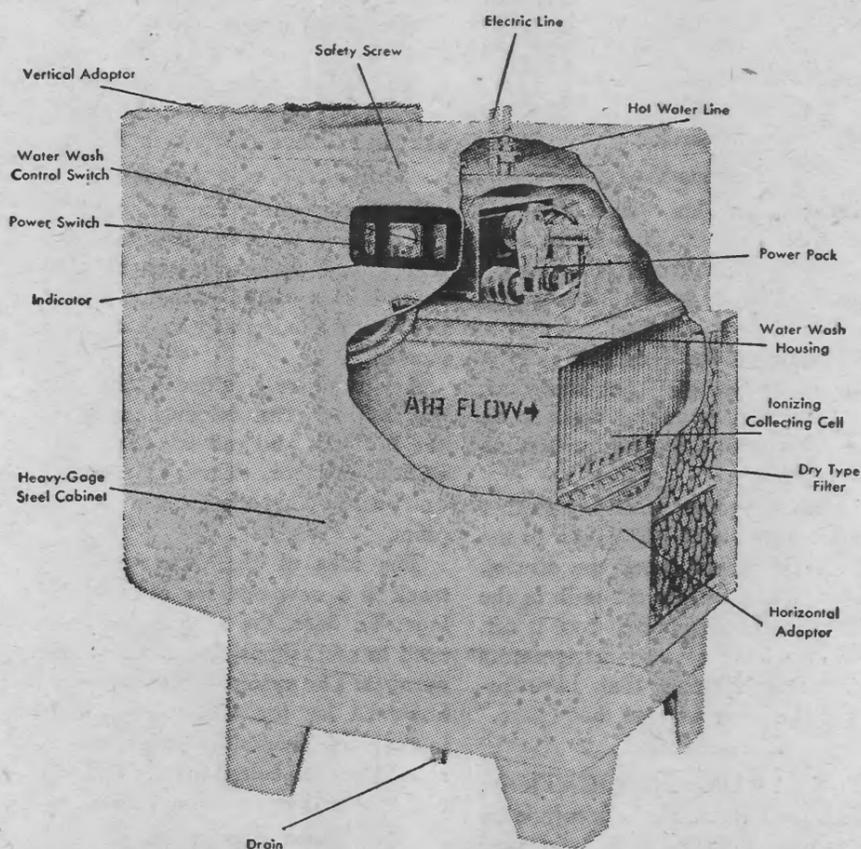
#### How It Works

In the present development of the electronic air filter for home use, the air filter is connected into the cold air return of a warm air heating or air conditioning system. The

air passes over a series of electrically charged wires where the particles are magnetized.

The air with its magnetized particles passes through the collecting chamber where the particles adhere and are collected on aluminum plates. The filter works just like a magnet attracting metal.

About once a month, depending on the dirt content of the air, the mere turn of a water valve showers these plates from a jet spray, wash-



**CUTAWAY VIEW** of electronic air scrubber shows details of how dust and other foreign particles are removed from the air. Naturally, this device in a home keeps rooms much cleaner.

## Farm Census To Get Data On Electricity

Starting in April farmers in the United States will be asked, either by mail questionnaire or personal interview, data concerning the use of electricity and other labor-saving facilities on their farms.

This is a part of the agriculture census, taken every five years since 1920, which will enumerate the Nation's six million farms by counties.

Farmers will be asked to report whether their farms have electricity, and if they do, the amount of their last month's power bill. They will also report on the various applications they make of the power on their farms.

### Other Questions

Other questions will include acreage; production of livestock and crops; income from crops, herd and field; inventory of livestock, machinery and equipment; and the value of land and buildings.

Truthful answers to all questions are required by law, and all information gathered will be held in strict confidence. None will be released except in the form of statistical tables in which the names of the farmers will not appear.

The law provides penalties for refusal to answer census questions or for unlawful release of census figures by enumerators or other census officials. The census is expected to be completed in April, however, it will take until 1952 to release the reports.

Name of manufacturer of appliances mentioned in articles in this issue may be obtained by writing the Illinois REA News, Box 1180, Springfield, Ill.

Soil classification and mapping based on soil surveys in the field were begun in the U. S. in 1899 by Milton Whitney of the U. S. Department of Agriculture.

## Free Pamphlets

The pamphlets listed below may be of value to you. Address your requests to Power Use Editor, Illinois REA News, Box 1180, Springfield, Ill., enclosing a three cent stamp for each pamphlet requested. You may order as many of the pamphlets as you wish.

\* \* \*  
How To Select Your Water System

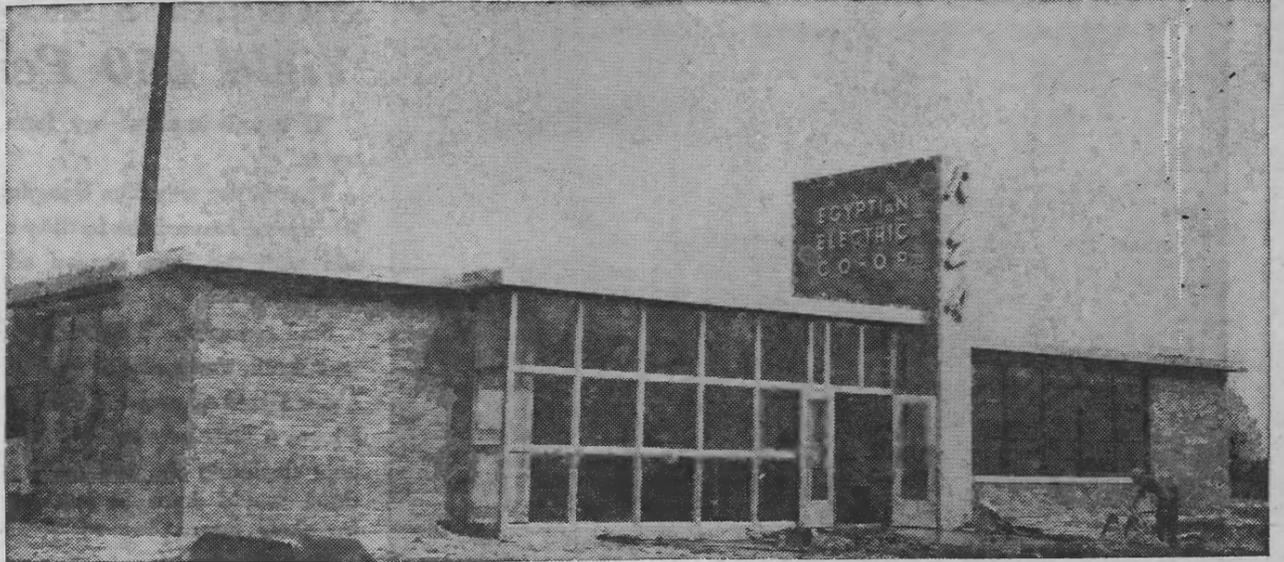
\* \* \*  
How to Apply Lighting On the Farm

\* \* \*  
How to Apply Motor and Controls to Farm Jobs

\* \* \*  
More Power to Your Poultry Raising

\* \* \*  
Care and Use of Your Small Electric Appliances

\* \* \*  
Electric Pig Brooders



EGYPTIAN ELECTRIC COOPERATIVE'S new modern office building nears completion. Workmen are finishing the final phases of construction and the dedication is expected to be held in April.

The office-building, located on the edge of Steeleville, has a large lobby which will be used as a display room. The lobby, also, can be converted into a small auditorium for the showing of movies.

One outstanding feature of the building is the

vast amount of window space it has. About two-thirds of the front is windows.

The manager's office, as well as the linemen's room, power-use adviser's room, and the general office room will be interconnected with intercom speaking systems. Glass building blocks separate the general office from the lobby. The office structure is attached to a new warehouse and garage completed last year.

# Only Solution for Overloaded Circuit Is—Add Another One

You can't keep on adding appliances and other electrical equipment to your present circuits without expecting trouble. You are perhaps being warned now that your present circuit is overloaded. Here are some good signals: lights dim when the refrigerator starts up, fuses blow out frequently or circuit breakers trip often.

There is only one remedy for overloaded circuits. It is: add another circuit.

If the original wiring in your home was properly planned and installed, the job of adding an additional circuit is an easy one. There will be plenty of room for such a circuit.

### Only Alternative

However, if your wiring was not adequately planned—as is the situation in most homes—there is nothing you can do except get it fixed. Overloaded circuits make it impossible for your appliances to provide proper service, they waste electricity, and may even constitute a fire hazard.

There are several steps in adding a new circuit to your present wiring system.

First, have a competent electrician look over your present wiring to tell you what is needed. On his advice you will learn the minimum essentials to correct your present trouble and perhaps other changes will be suggested to save you the same trouble in the future.

### Check Wiring

A check will be first made of the service entrance and feeder equipment. If this doesn't have enough capacity, nothing can be done with the rest of the wiring. Usually, co-op members do not have to pay for changes in this part of the system.

However — all other changes in the wiring system will have to be paid for by the farmer.

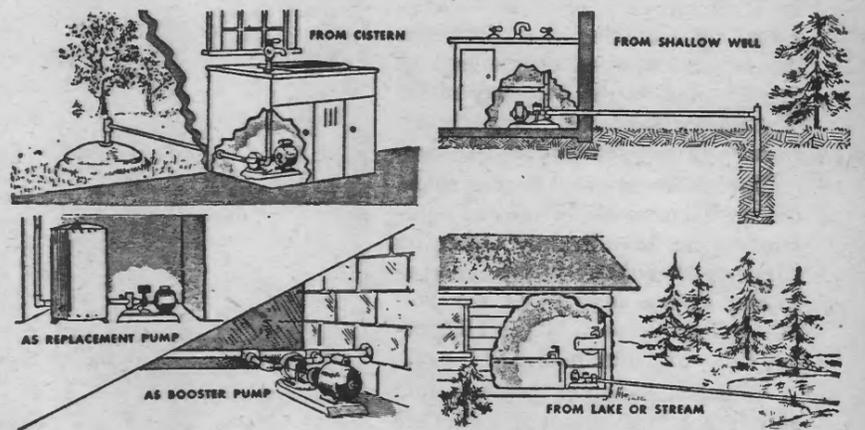
Second step in the process of adding a new circuit will be a check of the protective equipment, the fuse box or circuit breaker. If it has space for adding another circuit the job is easy. If not, another unit will need to be added or the present equipment replaced. It is altogether possible that the present small fuse box will need to be replaced with a larger, more convenient circuit breaker.

### Dividing Circuits

Finally, comes the installation of new wires. Existing circuits may be divided, with no new outlets. In

other instances new outlets may be desired for convenience or efficiency. Danger still exists in overloading if another appliance is substituted for the one replaced.

Co-op members will find that the management of their particular organization has available expert help and technical advisers who are willing and able to give them expert assistance on adding new circuits. Changes in the design of your present wiring system, according to their suggestions may enable your wiring to be adequate for years to come.



## Water System Without Tank; Pumps Directly From Well

A new water system is now available for farm homes which does not require a storage tank. The water is pumped directly from a well, cistern, spring or lake.

The system consists of a one-fourth H. P. heavy duty motor, rotary roller pump, mounted on a baked enamel aluminum base and pressure control dome. A built-in relief valve assures a steady flow of water without continuous starting and stopping. The pump delivers up to five gallons of water a minute. The pressure ranges from 20 to 40 pounds.

The system is entirely automatic. A turn of the faucet handle starts

the pumping action. The flow is steady, whether the faucet is open full force or just a trickle.

### Compact System

The system is compact. It fits conveniently under standard sinks or in other small areas. Weighing only 40 pounds, the unit can be easily carried from place to place.

Selling for \$59.50 f.o.b. factory, the unit can be used as a replacement or as a booster pump for a previously installed water system. Many rural uses will find the pump ideal for connecting to a cistern or as an occasional pump around the farm.



#### CHECKING A POLE-TYPE

voltage regulator is a lineman of the Tri-County Electric Cooperative of Mt. Vernon. This is one of three such regulators which the co-op installed on its lines in order to insure the members of adequate power during the peak-hour loads.

The step-voltage regulators were installed on the line at the point of load center. This point was determined by recording the voltage at the substation, then at the end of the line and at the half-way mark. The place where the voltage began to fall off was termed 'load center.'

Two different checks were made, one on February 27 before the regulators were installed, the other on March 6 after they had been in operation. Before installation the voltage ranged between 103 to 110 during the peak hours of 5 and 9 p.m.

After installation of the regulators on one line located in the northwest part of Marion county, the voltage was between 114 and 116. And in a 24-hour period it never exceeded 118 volts or went below 114 volts. Considering that 115 volts is considered average voltage, capable of powering any appliance, this is 'adequate' voltage.

#### MEETINGS

The annual safety conference for co-op managers and line foremen, will be held April 6 and 7 at the Abraham Lincoln hotel in Springfield.

The REA bookkeepers will meet at Springfield April 19, 20 and 21.

Get in the habit of "looking first" in the RURAL EXCHANGE of your statewide publication, the Illinois REA News, when you're in the market to buy or sell.



WALTER C. FISHER installed a ventilating fan in his recently remodelled milk barn in order to meet the Quincy market milk standards for grade A milk. Now at a daily cost of 8 cents for electricity, the fan helps Mr. Fisher get \$2.19 more for his milk.

Fisher's hired hand, Leonard Meyer, is pictured pointing to the electronic humidity controller, located near the center of the barn, which operates the one-fourth horsepower motor of the 24-inch fan. If the humidity in the barn should rise above

## Swagler's 4-Year Soil Plan May Yield \$50 Per Acre 'Dividends'

"If it will improve my farm, I'll try it."

That is the way Ben Swagler felt when he discussed the fertility of his soil with the farm bureau adviser in Breese.

Said Swagler, "I knew my farm was small, and because of that fact I was afraid of wearing the soil out. I have a little boy and girl and if I kept depleting the soil every year, there would soon be nothing left for their future."

The Clinton county farmer decided to investigate and found that his ground lacked limestone, raw rock, potash, and super phosphate. Also his fences would have to be moved to different locations.

#### Held Field Day

Last September a group of University of Illinois agriculturists held a field day on the Swagler farm. The acreage was divided into 20-acre plots. On one of them an experiment was held.

The ground, which had been disked about a week previous to the experiment, was disked, harrowed, limed, then disked and harrowed again to work in the fertilizer.

After this process, potash was applied with a drill at the rate of 350 pounds per acre. Next came the seed, three pounds of tall oat grass, two pounds of alta fescue, two

pounds of timothy, and two pounds of red top clover, which was mixed with superphosphate at the rate of 450 pounds to the acre.

Again the ground was disked, but lightly this time, followed by rolling. This Spring, the rest of the seeds, four pounds of lespedeza, one pound of ladino clover, three pounds of alfalfa, and three pounds of bird-foot trefoil, will be planted making a total of 21 pounds per acre at a cost of \$11.92.

#### 4-Year Plan

Swagler's plan, which is a four-year pasture rotation plan, is expected to increase the productivity of his ground \$50 per acre. It is estimated that it will provide enough food energy for one and one-half cow per acre per year.

At all times he will have 40 acres of pasture plus another 20 acres of coming pasture. He pastures a field for the first two years, then plows and plants corn, oats, then back to pasture again. Wheat, corn, oats, and clover are provided for in another rotation plan which Swagler will be carrying out at the same time as the pasture plan.

Swagler's 20-acre fields are arranged in such a way that his livestock can be turned into any one of the fields without passing through another field. This is made possible by the lanes spaced around the fields that provide a route for the livestock to follow.

#### Expects Dividends

"I haven't had time to figure the results of this farm plan," the farmer said, "but I feel sure that it will pay me dividends."

Also paying "dividends" to Swagler is the power he gets from the Clinton County Electric co-op of Breese. He uses electricity for milking, brooding chickens and hogs, and for his water system. Says Swagler, "If I had to do without electricity there would be a sale sign on the farm."

His livestock consists of 10 milk cows, 12 heifers, six brood sows, 26 shoats, and a team of horses. Of the latter he remarked, "I don't use them, I have them on pension."



Here's the chance you may have been looking for. Perhaps you have several articles stored away in the attic or basement which have lost their value to you but which someone else might value highly. Why not try to "swap" for something you want or need. For details—

See Page 24

**Rural Exchange**

50 per cent, the fan is turned on until the humidity falls to 45 per cent.

The fan runs between 12 and 14 hours daily and consumes from three to four kilowatts. Figured at the rate of the Adams County Electric Cooperative, which services the farm, the cost is 8 cents.

By producing grade A milk, Mr. Fisher realizes 79 cents more per hundred weight for his milk. This gives him a daily gross of around \$12.55 from the sale of 35 gallons of milk. This is \$2.19 more than he used to receive for non-Grade milk.

## Students Can Build Study Light Easily, Inexpensively

Creating a study center at home need not be expensive or elaborate. The important thing to keep in mind is that the study center should be located in the student's own room (or in another room not shared by the family during the study hours) and that it be lighted to afford the best possible seeing conditions to safeguard the student's eyesight.

The smart, compact shelf light sketched below is one very practical and effective homemade method for lighting a flat top desk. The lighting system, a long fluorescent lamp, is built right into the front edge of the shelf to provide a wide spread of light across the working area.

There are a few suggestions to follow in making the shelf light. First of all, determine the length of your shelf according to the width of your desk. Remember, fluorescent lamps vary in length according to wattage so a little advance planning

and measuring is necessary to assure proper lighting results.

### Choose Best Size

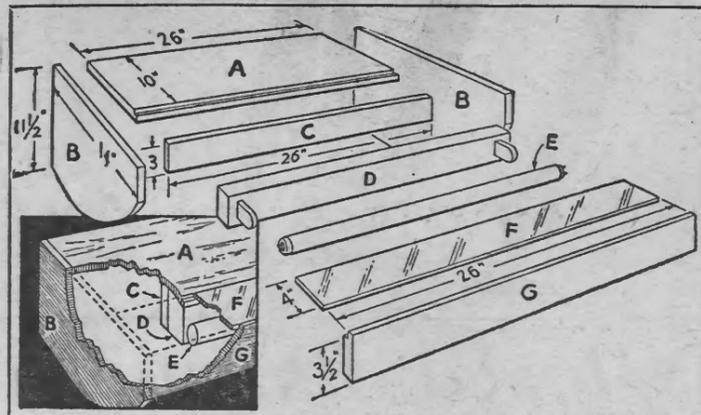
Choose the lamp from the following list which most nearly corresponds to the width of your desk: 40-watt fluorescent—48 inches long—use with large size desks.

25-watt fluorescent—33 inches long—use with medium size desks.

20-watt fluorescent—24 inches long—use with smaller size desks.

In addition to the lamp, you'll need a 40-watt, 25-watt or 20-watt channel which comes complete with sockets, switch, wiring and necessary auxiliary equipment needed to operate the fluorescent lamp. To give you some idea of the cost involved, a 40-watt channel sells for about \$6.50 and a 20-watt channel for approximately \$3.50.

It's well worth saving your allowance for a few weeks to buy the ready wired channel, for it not



EXPLODED VIEW of shelf and built-in lamp shows how to make one of your own. This plan, designed for a 20-watt, 24 inch fluorescent tube, may be easily adjusted to fit larger size lamp.

only saves time but also, you can rest assured that they are safely wired to avoid hazards. Many department, electrical, hardware and mail order stores carry these channels.

### Follow Plans

Follow the plans sketched in constructing a shelf light. You'll notice that both the plan and exploded drawing are designed for the 20-watt 24-inch fluorescent lamp for use in a shelf 26 inches long. Measurements can easily be increased for larger size shelves.

Notice in the drawing how simply this homemade shelf is constructed. Also, if you'll look at the plan closely, you'll notice that both the shelf and face plate have quarter inch grooves so that the panel of etched glass placed across the opening designed for upward light, is flush with the wood when it is in place.

In attaching the channel D to its backboard C, notice that the channel itself is recessed two inches under the shelf board A in order to bring the light source to the correct position for maximum light and com-

fort. Although it is not indicated on the drawing, the electrical cord which is located on either side of the channel is carried back along the under side of the shelf and down the wall to an outlet.

### Mounting

When mounting the 26-inch shelf over a small desk (22 or 24 inches wide) be sure that the lower edge is not mounted more than 18 inches above the top of the desk. If it is mounted too high, you'll be able to look into the tube when your eyes look up for rest periods and, if it's mounted too low, the amount of light on the working surface will be sharply decreased.

Remember, when you complete your study center, keep in mind that everything the eye sees, wall finish, desk top, the lamp shades (if lamps are used rather than the shelf for lighting) must be light in color to avoid eye fatigue.

Desks, too, are better placed flat against a wall, never in front of the window, and chairs should be the correct height to bring your eyes 14 inches above your work.



EVERY STUDENT will find a well-lighted study center of advantage. A built in fluorescent lamp and shelf provide good lighting as well as space for books.

## New Barn Cleaners Doing Away with Chains, Belts

With electricity now taking the place of muscle power, it is no wonder that continued improvements are reported in the construction of electric barn cleaners. Barn cleaners are becoming increasingly popular—and for good reasons too. They save time and hard work.

Newer developments in barn cleaner construction show the elimination of endless chains and V-belts. With the elimination of the endless chain idea, barn cleaners can now be used in barns with only one gutter.

In one type of cleaner, a conveyor chain pulls the litter down the gutter to the end of the barn where through an opening about 16 inches high and as wide as the machine, the litter is passed out of the barn and is conveyed on an incline to the spreader. This type has a big advantage in that during the winter there are no large doors to open or close.

### Returns Conveyor

A pull back mechanism returns the conveyor back into the gutter after the barn has been cleaned. The pull-backs are of floor and ceiling types.

In this type of cleaner, twisted cleats are used in the gutter. The cleats are riveted to a heavy chain. Further construction details makes

the chain-cleat arrangement trouble-free.

This machine can be made stationary for one gutter or moveable on tracks. It is designed for zero weather operation and does not disturb the stock while they are in the stalls.

### Another Type

Another type of electric barn cleaner operates on the "shuttle stroke" action. This type does not require any cross gutters.

In operation, the gutter bar (or draw bar) moves forward and backward in an eight-foot stroke. On the forward stroke, the paddles straighten out at right angles and move the litter toward the outlet opening. On the return stroke the paddles fold against the gutter, bypassing the litter.

The rate of cleaning is 14 feet per minute. Barn cleaning with this type mechanism is not necessary oftener than once in 24 hours.

A conveyor outside the barn elevates the litter for loading into a manure spreader. The entire mechanism is outside the barn, where space is less available. It is planned for protection against the weather.

Many users of electric barn cleaners are reporting good results. They are particularly pleased with the time and labor saving features of the cleaners.

## ELECTRICAL LESSON

### How A Fluorescent Lamp Works

The latest creation in the history of artificial light is the fluorescent lamp. This type of lamp transforms the energy of invisible ultraviolet rays into soft, cool, even light. Fluorescent lights rival daylight.

There are four distinct steps in the production of light in the fluorescent lamp. They are:

1. An electrode at the lamp tube, when heated by the electric current, gives off streams of electrons (negatively charged particles of electricity) which rush through the tubes, colliding with the atoms of mercury vapor. The tube of the fluorescent lamp is filled with this vapor.

#### Invisible Rays

In the collisions of the electrons and the atoms of mercury vapor, most of the electrical energy of the electrons is changed into invisible ultraviolet rays.

2. Since these ultraviolet rays are invisible to the human eye, they must be made visible to give useful light. Light scientists know that certain minerals glow when struck by ultraviolet rays; these minerals are called fluorescent.

3. Especially prepared fluorescent materials — chemicals — are used by light engineers to change the energy of the invisible ultraviolet rays into useful light. These chemicals, or phosphors as they are

called, shine brilliantly when exposed to the ultra-violet rays. Different colors are produced by using different phosphors or by blending phosphors.

4. Ground into dust-fine powders, the phosphors are used to coat the inside of the lamp tubes. By careful blending of several phosphors, engineers have been able to produce fine white light. Fluorescent lights now provide one of the most efficient sources of artificial light ever known.

#### Warning

Users of fluorescent lights are warned never to break lights that have worn out. Some phosphors when brought in contact with the blood stream by means of a cut are toxic and cause wounds difficult to heal.

Newer developments in fluorescent lamps include those that do not use toxic phosphors and also permit the escape of limited amounts of ultra-violet rays which are beneficial.

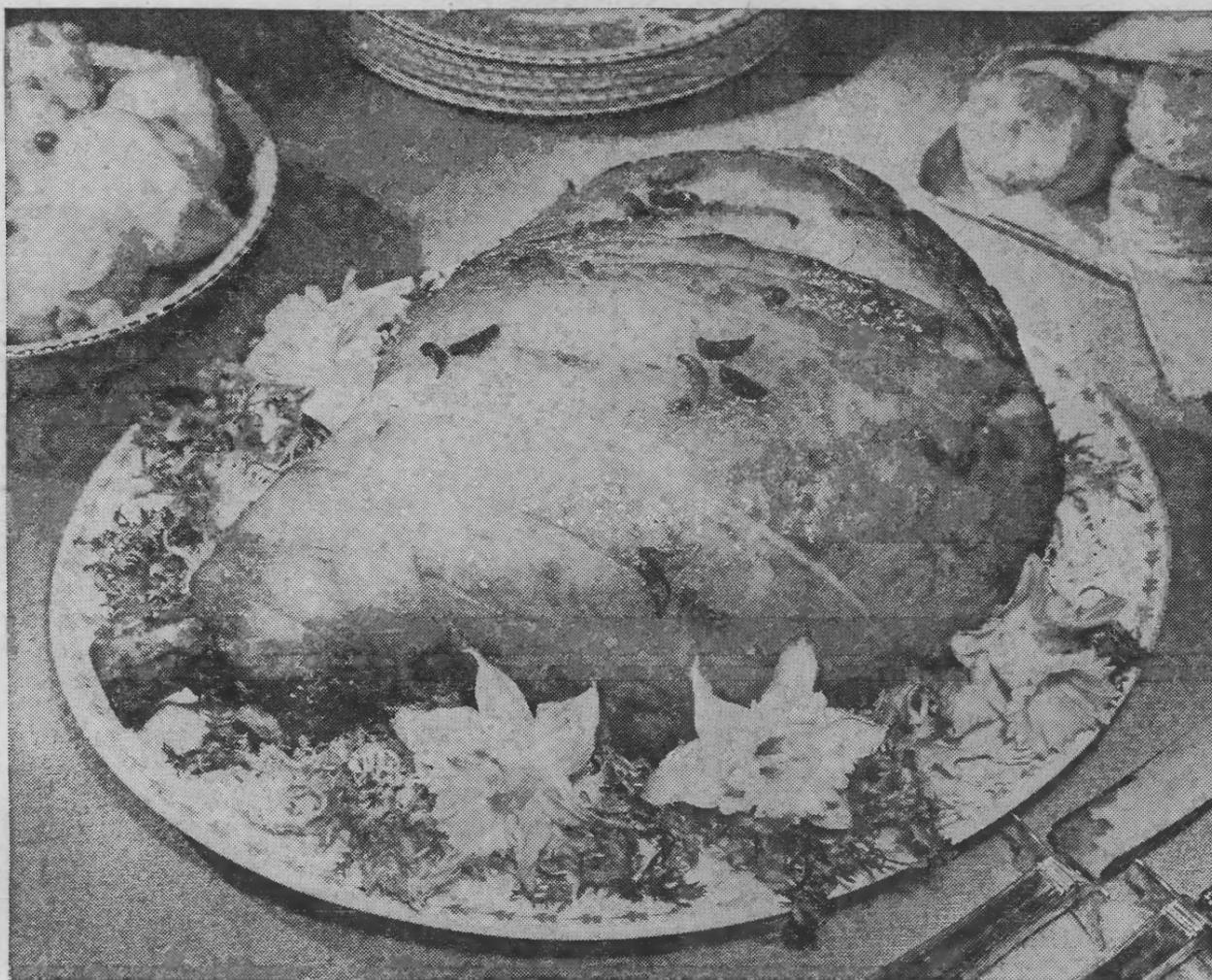
Modifications of the common ultraviolet light has long been used as germicidal or sterilizing lamps in hospitals and industry. The light from these lamps destroy bacteria and molds. Another type of ultraviolet lamp is used in the production of vitamin D irradiations. These lamps can be used to advantage in homes.



# Home-makers' Page

Edited by Kay Conlan

## Glazed Baked Ham Says 'Happy Easter'



### Leftover Ham Can Be Converted Into Several Tempting Dishes

The aroma of ham baking is the best way we know to say "Happy Easter." Home from church, with the Easter bonnet back in its box your next step will be to the kitchen to check on the holiday ham. You can rest assured this will be one of the family's favorite meals.

Here's our menu suggestion for Easter dinner — be it "just the family" or company, too.

Glazed Baked Ham  
Creamed New Potatoes and Peas  
Buttered Broccoli  
Perfection Salad  
Jelly — Hot biscuits  
Coconut Cake  
Coffee

There is a ham for every family need. When it is dinner for family plus several guests, you can buy a smoked ham which states on the wrapper "cook before eating" or a cooked ham which is "ready to eat" and has the directions for heating and glazing on the wrapper.

For the small family of four or less, the shank or butt half of ham is a good buy. The shank half costs a few cents less per pound than the butt half, yet carves more easily and can be used down to the last tasty tidbit.

#### The Glaze

Elegant looking and delicious to taste, ham requires no special tal-

ents from the cook to make it a huge success. The glaze applied 30 minutes before the ham is done, is the finishing touch which enhances its natural beauty. Add slivers of green maraschino cherry to make a flower design on the glaze.

There are many glazes for ham, but one of our favorites is an apricot-pineapple glaze. It is made by combining one cup of brown sugar, one-half cup apricot puree, one-half cup pineapple juice. Cook until thickened, then pour over ham. Baste often during last half hour for that ever-so pretty sheen.

#### Baking Schedule

To bake a whole or half ham, first remove wrappings from the ham, but do not remove rind. Wrap the ham loosely in the inner glassine wrapper or in heavy waxed paper. Place it fat side up on a rack in a shallow uncovered baking pan. Add no water and bake it in a moderately low oven, 325° F. according to this schedule for the required length of time.

Whole Ham, 14-16 pounds  
Uncooked ..... 18 min. per lb.  
Ready-to-eat .... 10 min. per lb.

Half Ham, 6-8 pounds  
Uncooked ..... 22 min. per lb.  
Ready-to-eat .... 10 min. per lb.

Times given are for ham at room temperature when started.

Since heat penetrates a thick piece of meat like a ham very slowly, five minutes per pound extra time should be allowed when meat has been taken from the refrigerator a short time before.

Before adding the glaze, remove the paper and rind with a sharp knife, score the fat in squares. Cover the ham with a glaze and bake 30 minutes longer at the same low temperature.

#### HAM LEFTOVERS

Even without the rich holiday aroma and intriguing garnishes, a ham can be converted into several tempting main course dishes. A casserole dish is suggested in the following recipe.

#### Post-Holiday Casserole

3 quarts boiling water  
1 tablespoon salt  
6 ounces spaghetti  
1 pound chopped cooked ham  
1 teaspoon salt  
dash pepper  
1 tablespoon prepared mustard  
2 eggs  
1½ cups condensed mushroom soup  
2½ cups leftover cooked peas (or 1 No. 2 can)

To actively boiling water add one tablespoon salt. Gradually add spaghetti and cook until tender (about ten minutes). Drain and rinse. While spaghetti is cooking, brown meat in skillet. Add one-half teaspoon salt, pepper, mustard and one egg. Cook a few minutes longer until meat tends to hold together. Form into ball and place in center of greased two-quart casserole. Combine mushroom soup, peas, egg

and spaghetti. Mix well. Arrange in circle around meat. Bake in moderate oven (350° F) 45 minutes. Turn out on round chop plate and serve hot. Serves four to six.

#### Cornmeal Tarts

One of the nicest type tarts, especially good with creamed ham dishes, is made with cornmeal.

1½ cups sifted enriched flour  
¼ cup cornmeal  
½ teaspoon salt  
½ cup lard and water

Sift together flour, cornmeal and salt. Cut in lard. Add just enough water to hold ingredients together. Turn onto a lightly floured surface and roll to about one-eighth inch in thickness. Cut in 12 five-inch circles. Fit each circle into a three-inch tart pan or individual casserole. Bake in a hot oven (425° F) for 12 minutes. Makes 12 tarts.

#### Creamed Ham and Mushrooms

To make a creamed mixture of ham and mushrooms, seasoned with grated onions and diced green pepper, try the following recipe.

1½ cups diced cooked ham  
½ cup lard or drippings  
½ cup enriched flour  
¼ teaspoon salt  
pepper  
1½ cups milk  
1 small can button mushrooms  
1 tablespoon grated onion  
2 tablespoons diced green pepper

Melt lard or drippings. Add flour salt and pepper, stirring until smooth. Add milk and cook until thick, stirring constantly. Add ham, mushrooms and juice, onion and green pepper. Heat thoroughly. Serve in cornmeal tarts or toast cups. Serves six to eight.

#### Jellied Ham Loaf

1 cup cooked ham  
½ diced celery  
¼ cup diced dill pickle  
¼ cup minced pimiento  
1½ tablespoons gelatin  
¼ cup cold water  
2 cups stock or bouillon  
½ cup mayonnaise  
1 hard-cooked egg

Dice leftover ham fine and combine with celery, pickle and pimiento. Soak gelatin five minutes in cold water. Heat stock. Add gelatin and stir until dissolved. Chill. When mixture begins to congeal add mayonnaise and meat mixture. Put sliced hard-cooked egg in bottom of eight-inch ring mold or loaf pan. Pour in meat mixture and chill until firm. Slice and serve.

#### Scalloped Cabbage and Ham

2 or 3 pounds fresh cabbage (green)  
2 cups medium cream sauce  
½ pound diced cooked ham  
½ cup cornflakes

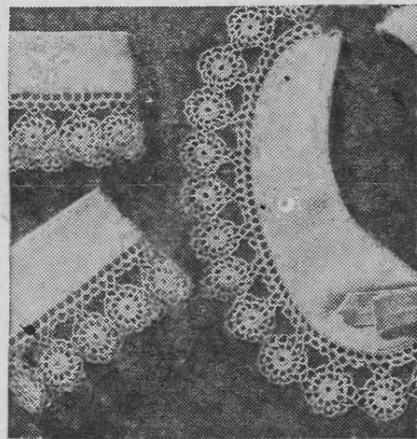
Shred cabbage. Cook covered in one-inch boiling water until tender, about 15 minutes. Drain thoroughly. Mix with cream sauce to which ham has been added. Put in greased casserole. Cover with cornflakes and bake in moderately hot oven (400° F) about 15 minutes. For eight servings.

## New Accessories Add A Bright Touch To Spring Wardrobes

One of the nicest things about spring is its color aspect. This coming spring will surpass all others in the lovely colors that will be worn by women: Above all, it will be a rosy spring. And that's good news because rosy tones are flattering to practically everyone and give a rosy glow to complexions.

Pink will be very important—from pale to shocking. Reds, usually a fall favorite, will become a spring leader. Rosy fruit shades such as peach, apricot, melon, orange and raspberry will be right up there among the favorites. This spring will also be a patriotic spring. Since navy is the number one dark shade and since red is so important, the combination of red-white-and-blue will be popular and fashion-right.

You'll see some changes in the tones of the traditional spring colors. For instance, yellows turn vivid: sharp lime, bright gold and a deep mustard that's usually a fall-tone. Greens turn away from Kelly and look new in lime (yellow-green) and jade (blue-green.) Blues feature two shades—sharp peacock and delicate true porcelain blue. Pale pastel blue will be seen in sheer fabrics. In neutrals, linen-beige leads and gray continues to be very good. The



Collar, Cuff Edging

lilac of last spring changes to a rosy-cast lavender and a fallish deep purple.

It is interesting to note how many colors which traditionally belong to the fall palette are now new for spring. Many solid colors this spring are "combination tones" such as bluey-greens, greeny-yellow, yellow-reds. These are particularly fresh and eye appealing.

White cuts a wide swath in the spring fashion picture. White collars, white cuffs, white hats, white sweaters, and gloves—all are important. Best of all you can make many of the accessories yourself.

**COLLAR AND HAT SET**, for instance, is made with a yard and a half of white pique. The hat has a slit sailor turned-up brim of double thickness. The crown of three shaped sections fits snugly to the



Half-Slip



Collar and Hat Set

head. The collar is four pointed like a square and opens in back. It buttons to the dress front and matching buttons decorate the hat.

**COLLAR, CUFF EDGING.** For variety, a narrow rick-rack braid is worked into the lace crocheted as a decorative edging on the collar and cuff set. Snowy white neckwear is always a bright signpost of spring and with this season's navy and red rage, white touches are a must.

**CROCHETED BLOUSE.** Here's a sparkling sweater-blouse to be crocheted of wool to add a bright touch to your spring suit. Underscoring



Crocheted Blouse

the tiny collar is a bow in your favorite color.

**HALF-SLIP.** The slip is cut on the bias from two yards of fabric, or you can cut a worn top from one of your full slips and finish the bottom as shown. Made of silk it can be trimmed with a frosting of lace—in cotton, edge it with eyelet embroidery.

Directions for making the accessories as illustrated may be obtained by sending a stamped, self-addressed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill., or include one or two of them with your regular pattern requests.

## Pattern List

We have always welcomed your letters and suggestions on different types of patterns you would like to see listed on the Pattern List. So, in answer to many, many requests we are happy to be able to add this month a knitted doily pattern, listed under "Items To Knit" as well as some embroidery patterns you have also asked for.

We invite you to order just as many pattern leaflets as you wish and just as often as you wish. All the leaflets are FREE, but for every FOUR patterns you order, please send a STAMPED, SELF-ADDRESSED envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield. If possible make the self-addressed envelope of the larger size.

### Ideas For Fun

How To Furnish Doll House

Gay Ninety Party

### Toys To Crochet

Pussy and Bunny

Swiss Doll

Monkey and Panda

Puppy

Doll

Saddle Horse

Black Cat and Pink Dog

Loopy Dog and Ball

### Helpful Hints

Fashions for Your Figure

Skirt Tailoring

ABC's of Good Grooming

Removing spots and stains

Making Bias Finishes

Tips On Making Buttonholes

### Items To Crochet

Shell Stitch Chair Set

Guest Towel Edgings

Fairy Shingles Runner

Linen and Lace Bedspread  
Daffodil Doily  
Popcorn Stitch Bedspread  
Snow Crystal Tablecloth  
Fragile Floweret Tablecloth  
Sweet Clover Tablecloth  
Pineapple Pincushion  
Hectagon Shaped Doily  
Pineapple Doily Set  
Indian Pattern Potholders  
Quartet of Potholders  
Pineapple Edged Linen Doily  
Handkerchief Edgings

### Items To Sew

Embroidered Place Mats  
Tucked Dickey  
Felt Bedroom Slippers  
Swedish Darning Towels  
Applique Bibs for Baby  
Organdy Apron  
Triangular Bib Apron  
Colorful Print Apron  
Covers For Toaster, Mixer, Silex  
Hot Place Set—Quilted  
Felt Tailored Handbag  
Bedroom Vanity Skirt

### 'Old Favorites'

Bridal Table Decorations  
Centerpiece with Pineapple Points  
Pineapple Edged Chair Set  
Sunburst Doily  
Two Tone Afghan  
Pineapple Buffet Set  
Flowered Scatter Rug  
How To Make Draperies

### Items To Knit

Five Knitted Doilies  
Men's Cable Mittens and Socks  
Boy's Suit, Size 1, 2, 3  
Men's Argyle Socks  
Baby Cap, Bootie Set

### Sweaters

Twin Sweater Set (Sizes 12, 14, 16)  
Men's Coat Sweater  
Boy, Girl School Sweaters  
Men's Sleeveless Slipon  
Dressy Sweater Blouse

## Use Excess Pieces Of Fabrics To Make Bedrooms Beautiful

The next time you plan to redecorate the bedroom, buy more material than necessary. The bulk of the cloth (a cretonne is nice) will be used to fashion both spread and bolster. Additional lengths will make a vanity skirt.

The excess fabric is what you'll have fun with. For it can be converted into a surprising list of extras—like pictures for the walls, a tray for cosmetics, window shades, and a small storage closet.

Anyone who can run up a pair of drapes can create that last item. Make them as long as the average door. Attach to draw-string type rods that have been fitted inside an extra wooden window valance. This ought to be erected wherever you'd like the clothes closet to be. Try to select a type that's at least 10 inches deep. Provide places for garments with ordinary coat hooks and sliding rods.

### Print Shades

Duplicate the same type of valance at all the casements. Now inspect the shades. If the rollers are good but the parchment worn, remove the latter. Use it as a pattern for cutting new shades from your gay cretonne. Stitch a wide hem for the bottom stock, and tack in place at the top. You might offset the print with prim white curtains. Or tinted ones that match one of the colors in the cloth's motif.

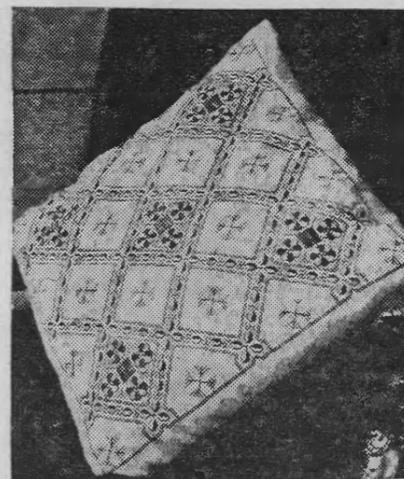
Now start examining the left-

over scraps. A complete design (which might be a bouquet of flowers, for example), ought to be cut out, like a paper doll. Place it against a square of solid colored cloth (the stuff used for your curtains would be perfect) and frame it. Presto! You've achieved the ideal picture for your bedroom wall! Three tiny ones in a row can be hung on each side of the doorway.

A large one will look well over the bed. Twins are nice above a mirrorless highboy. Just be sure to

(Continued On Page Twenty-two)

### Embroidered Pillow



JUST SEND a stamped, self-addressed envelope for your direction leaflet for EMBROIDERED PILLOW to Kay Conlan, Illinois REA News, Box 110, Springfield, Ill.



SLEEVES CAN be ironed single thickness on the roll. Smooth the sleeve so that the underarm comes directly under the shoe and iron around it to the button side of the placket.



TO IRON the yoke, center it and adjust the roll to start six or seven inches below the back of the collar. Iron to collar seam. Both hands are free to guide the shirt through the machine.



IRON THE left front from bottom to collar. Then, turn the shirt over and iron the button side of the front, wrong side out, with buttons cushioned against the roll.

## How to Iron a Shirt In 5 Minutes

### An Electric Ironer Does Shirt Better In Fraction Of Hand Ironing Time

A well-ironed shirt is the mark of a good homemaker today as it was in grandma's day.

Most homemakers agree that ironing is the most difficult household chore, and a shirt the most difficult ironing chore. But the modern homemaker need not spend hours standing at a steaming ironing board trying to turn out shirts that the men of the house will be proud to wear.

An electric ironer does shirts better in a fraction of the time and makes ironing a comfortable, "sit-down" job. The small diameter roll and shoe concentrate heat and pressure to turn out neatly finished shirts with the ease of ironing flat work. Even the sleeves are ironed single thickness on this convenient "sleeve-size" roll and there are no side creases.

#### Seven Easy Steps

All in all, it takes only about five minutes to iron a shirt on an electric ironer, less than one-third the time required to do the job by hand. And it can be done in seven easy steps.

1. Iron the right sleeve—all but the cuff—single thickness on the roll. Smooth the sleeve so that the underarm seam comes directly under the shoe. Iron around it to the button side of the placket.

2. Center the yoke and adjust the roll to start six or seven inches below back of collar. Iron to collar seam.

3. Slip the second sleeve on the roll and iron like the first one. Then, center the back of the shirt and iron from tail to yoke.

#### Bottom To Collar

4. Iron the left front from bottom to collar. Turn the shirt over and iron the button side of the front, wrong side out, with buttons cushioned against the roll.

5. Iron cuffs around the left side of the roll, first on the wrong side, then on the right to give a high finish.

6. Iron the collar either at the end of the

roll like the cuffs or lengthwise of the roll, pressing it first on the underside, then on the right side. "Shape" the collar with your fingers and iron in the crease over the end of the roll.

7. Center the buttonhole band on the roll—right side facing shoe. Stretch slightly and press for a few seconds to finish smartly.

#### Care of Ironer

Care of an electric ironer is important for the best performance.

One of the most important points is maintaining proper condition of the roll padding and cover. Ironing should be distributed over the entire ironing surface to keep pad from packing unevenly and the ironing shoe from getting too hot in unused spots and scorching cover and pad.

Proper ironing pressure is lost when the roll padding has packed. Clothes slip and fail to feed; the hardened surface of the roll threatens buttons and flattens the fullness of embroidered design.

#### Outside Cover

To avoid this, remove the outside cover and fluff the padding at least once a month under ordinary ironing conditions. Check the way it fits on roller or table, fluff it up, reverse it, air it and replace it. Make sure the button padding covers the ends of roll so that contact between roll and shoe will be maintained.

When you finish ironing, dry the padded roll or board by running the hot shoe over it a few times. A damp pad or roll may mildew.

#### Care of Shoe

Wipe the shoe dry to prevent rusting. Separate shoe and pad between using and cover the machine to keep out dust.

Keep shoe clean. Starch may be removed with a dampened cloth. Run waxed paper through ironer occasionally to wax the shoe.

It is well to have extra outside covers for laundering. A dark cover is useful when ironing dark materials or articles that may fade.



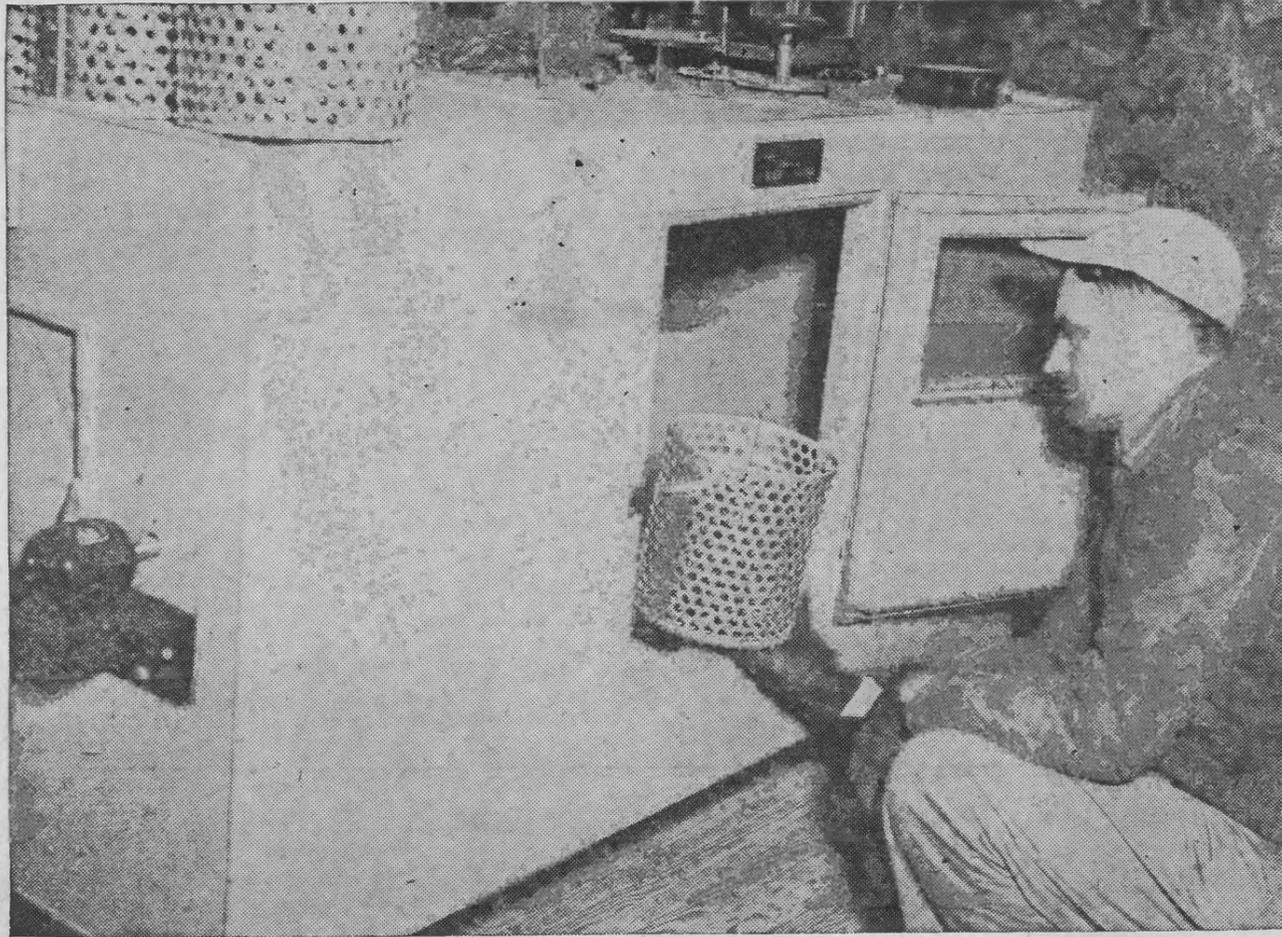
CUFFS ARE smoothly finished on the roll. They are placed on the left side of the roll, then ironed first on the wrong side, then on the right to give a high finish.



TO IRON the collar, place it lengthwise on the roll. Press it first on the underside, then on the right side. "Shape" the collar with your fingers and iron in the crease over the end of the roll.

# Soil Lives Again

*Dixon Springs Shows How Barren Land, With Proper Treatment, Can Produce Sizeable Yields*



Can erosive, low fertility soil be made productive?

Dixon Springs, the University of Illinois' experimental station, has proved that it can be done. By conducting various tests in soil fertility, soil conservation, pasture improvement and fertilization, the station has found that land which once produced from 60 to 65 pounds of meat per acre now produces from 300 to 350 pounds per acre.

Started in 1935 by the Federal government as a reclamation project, Dixon Springs was leased to the State of Illinois in 1940 and put under the supervision of the University.

The station, located in hilly, worn-out, highly erosive land, undertook the tremendous task of making this once rich soil produce again.

## Varied Experiments

Experiments were conducted in irrigation, soil conservation, soil loss and prevention, pasture management, beef management, soil fertility, sheep management, sheep improvement, pasture improvement, age to breed beef cattle, small grain varieties and forestry.

The following is an example of the findings of one experiment in pasture improvement:

A 60-acre tract was sub-divided into six 10-acre plots. Each tract was seeded in the Fall of 1947 and the Spring of 1948 with a basic mixture. This mixture consisted of one pound ladino, four pounds timothy, three pounds red top, four pounds alfalfa, and five pounds lespedeza.

In addition to this basic formula, each field had a different grass seeded in it. Field 1, none; field 2, four pounds alta-fescue; field 3, eight pounds brome grass; field 4, eight

pounds orchard grass; field 5, six pounds kentucky blue grass; field 6, eight pounds reed canary.

## Cost \$1,900

In 1947, prior to the seeding, all fields were treated with limestone, super phosphate and rock phosphate. The cost for the seed soil preparation and fertilizers came to between \$30 and \$35 per acre making the total 60-acre tract cost around \$1,900.

Ten yearlings and 10 two-year-olds were grazed on the land from the middle of April to the early weeks in November, when the animals were fed forage obtained from the fields. Fed strictly from grass, the animals had a total gain of

**DRYING SEED SAMPLES** is just one of the many applications of electricity which Dixon Springs makes of co-op power. The seeds are dried in this electric oven.

17,990 pounds or an average of 300 pounds per acre.

These animals, when sold on the market, returned \$24.55 per hundred weight, which when converted to dollars per acre amounted to \$73.65 or \$4,419 on the 60-acres. This was obtained from the initial cost of \$1,900.

## Irrigation Important

In another experiment, irrigation,

it was found that animal gain and forage gains are nearly tripled if the land is properly irrigated.

This experiment, conducted on two five-acre plots, was started in order to help save ladino during the hot summer months, Hurbert Cate, assistant to the agricultural extension man at the station pointed out.

Said Cate, "this irrigation project was started so that we could determine if it was profitable." The extension man said that on animal gains per acre in 1948 the irrigated plot yielded 86 pounds per acre. "And this was in the seeding year," he added. In 1949, the animal gain was 142 pounds per acre.

## Results

Here is how the experiment was conducted and the results obtained. The two five-acre plots were located on hilly land. One was irrigated with six inches of water, while the other wasn't irrigated.

Both of the plots were seeded with three pounds kentucky blue grass, two pounds red top, two pounds timothy, three pounds of fescue, three pounds orchard grass and two pounds ladino clover. This way a comparison could be obtained between the field irrigated and the field not irrigated.

The pond having a nine-acre-foot capacity, was located at the base of the irrigated plot. It was fed by drainage from the surrounding fields. Cost of irrigating the five-acre plot three-and-a-half times in '49 with tow inches of water each time, ran to around \$38.64 per acre.

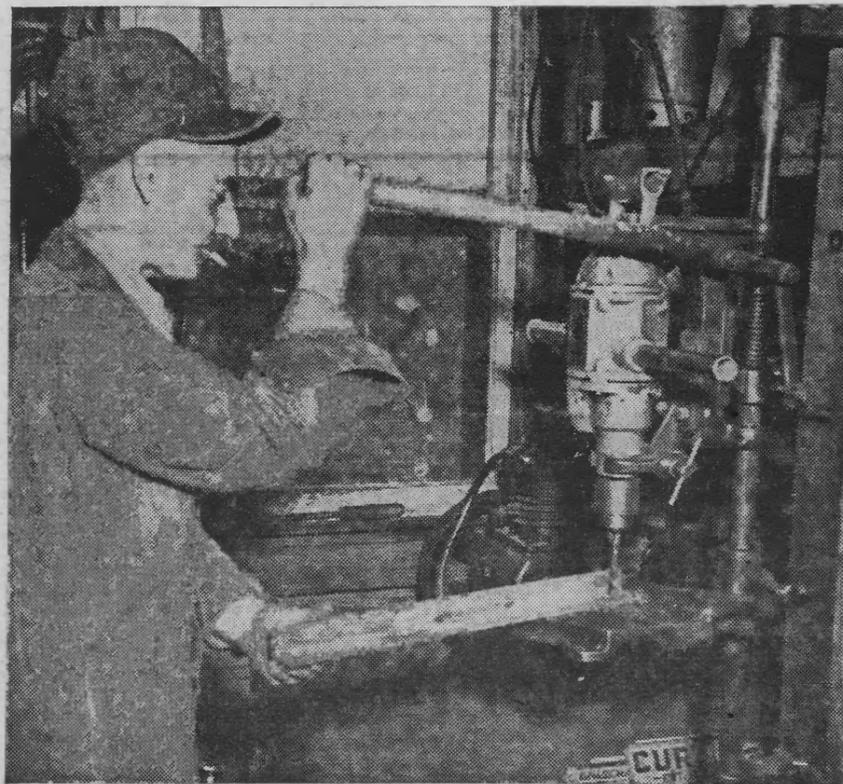
Still another experiment—relation of soil fertility to forage composition and animal nutrition — produced a negative answer to the question, "does the fertility of the soil influence the body structure of the animal grazed upon it?"

The test tract, set up on three soil levels ranging from low fertility to high fertility, was seeded and pastured by sheep. Besides grazing on the land, the sheep were fed hay obtained from it.

Cate said that when the test was concluded it was found, that as far as blood phosphorus and bone ash were concerned, there was no noticeable difference in the sheep, whether they grazed on low fertility soil or high fertility soil.

However, the extension man declared, they did find a difference between the sheep where the station considered the animal gain factor. Those sheep pastured on low fertility soil had low animal gain, while those sheep pastured on the high fertility soil had a much higher gain.

Helping the station, indirectly, with the various tests and experiments conducted at the station, is power from Southeastern Illinois Electric Cooperative of Harrisburg. It is used in the care of the livestock, in laboratory tests, and in the homes of the station employees. "Electricity is an important factor in the work we are carrying on," Cate commented.



**KEEPING THE STATION'S** machinery in good running condition is as important as carrying on the tests. Electric power tools help keep the machinery in good repair.



# Pen Pals

We've done it again! Another month with our Pen Pal mailbox bulging over with many, many interesting letters. We haven't been able to squeeze them all in this month, boys and girls, so if you don't find your letter in this issue continue to watch for it in future issues.

Write to the Pen Pals on this page, and send your letters for the paper to Kay Conlan, Junior REA News, Box 1180, Springfield.

## TAKES PICTURES

This is my first letter to the Junior REA News. I am 15 years old and I am in the second year of high school. I have light brown hair and blue eyes. I am five feet two inches tall. My hobbies are riding my father's horses and taking and collecting photos. I would like letters from girls and boys between the ages of 13 and 19. — Dorothy Parrish, R. R. 1, Cambridge, Ill.

## PET DUCK



I am a boy seven years old. I am in the second grade. I have a doggie named Poochie and a duck named, Little Quack. I go to Sunday School every Sunday. My hair is blond and my eyes are blue. I have freckles. I like to ride my bicycle. — Wesley Altenberger, Karnak, Ill.

## BLONDE HAIR

I am a girl 10 years old. I weigh 90 pounds. I am four feet eight inches tall. I have blonde hair and blue eyes. My hobbies are riding a bike and writing letters. So come on boys and girls and write to me. I will try to answer every letter which I receive. — Carol Huddleston, R. R. 1, Blandinsville, Ill.

## RADIO LISTENER

This is my first letter to the Junior REA News. I am nine years old and I am in the fifth grade. I go to Buchanan school. My hobbies are reading, listening to the radio, and horseback riding. Fill my mailbox Pen Pals.—Maggie Jane Moureau, Cora, Ill.

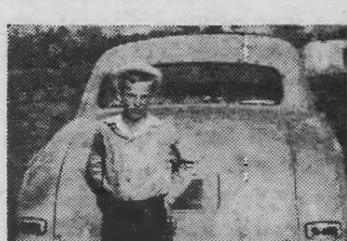
## WANTS PICTURES

I am a girl 10 years old. I have blue eyes and blonde hair. My hobbies are collecting movie stars' pictures, riding a bike and playing the piano. I live on a farm near Cantrall. We have two cats, one named Blonde and the other named Taby. I promise to write to everyone who will write. I would like pictures with the letters. Come on pen pals fill my mailbox.—Barbara Hollis, R. R. 1, Box 36, Cantrall, Ill.

## PLAYS SOFTBALL

I am a girl 13 years old and in the seventh grade. I have red hair, blue eyes, and a light complexion. This is my first letter to the Junior REA News. I have five sisters and two brothers. My birthday was February 2. I am five feet tall and weigh 95 pounds. My hobbies are bicycle riding and playing softball. I would like to have boys and girls 12 to 14 write to me.—Leona Woolsey, R. R. 1, Piasa, Ill.

## DRIVES TRACTOR



This is my first letter to the Junior REA News. I am five feet, six inches tall and have brown eyes and black hair. I am 10 years old. I would like to have boys and girls 10 to 13 write to me. I like to drive a tractor and ride a bicycle. I like to play cowboy. — John Larry Goza, Villa Ridge, Ill.

## LIKES CATS

I would like very much to have some pen pals to write to. I am a girl 12 years old. I am in the seventh grade and go to New Hope School near Galatia. I am four feet seven inches tall. My hobbies are riding a bike and playing with cats and dogs. I would like boys as well as girls between 12 and 16 write. I will answer all letters. So fill my mailbox full of them. — Linda Basham, R. R. 2, Galatia, Ill.

## COLLECTS RECIPES

This is my first letter to the Junior REA News. I hope I receive many letters. I am a girl 16 years old. I have red hair and hazel eyes. I am five feet four inches tall and weigh 117 pounds. I have three brothers and one sister. They are all older than I and they are all married. My hobbies are collecting recipes, play-

ing piano, singing, reading, and riding my bicycle. I will exchange pictures and write to boys and girls between the ages of 15 and 20. — Lela Mae Watkins, R. R. 1, Box 160, Dongola, Ill.

## JUNIOR HIGH SCHOOL

I am 13 years old, have blue eyes, brown hair and am five feet, five inches tall. This is my first letter to Junior REA News. I live on an 80 acre farm. I have a sister, Janice, 10 and two brothers. I have belonged to 4-H for four years. My hobbies are radio, dogs and collecting pictures. I am in the eighth grade at Niantic Junior High School. I want to hear from both boys and girls between the ages of 11 and 16. — Jenine Himstedt, R. R. No. 8, Box 380, Decatur, Ill.

## LIKES PETS

I am a girl 13 years old. My birthday was January 12. I am four feet eight inches tall. I have blue eyes and blonde hair. We live on a 160-acre farm. I have a brother, Donnie, who is 10 years old. We both go to the Meyer school. I have a black and white rat terrier dog called Nippie. I also have three kittens, Pluffy, Suffy, and Tuffy. I would like very much to have a horse. My hobbies are reading, riding horses, skating, and riding my bike. I would like to have boys and girls between the ages of 11 and 14 write to me. I will answer all letters, so fill my mailbox full.—Jean Marie Budach, R. R. 1, Marseilles, Ill.

## JULY BIRTHDAY

I am a girl 13 years old. My birthday is July 27. I am in the seventh grade. I have brown hair and gray-green eyes. I am five feet six inches tall. I have one brother. My hobbies are riding a bike and reading. I would like girls between 12 and 16 to write me. — Bonnie Brown, R. R. 1, Sutter, Ill.

## ENJOYS SINGING

I am a girl 18 years old. I have brown hair and eyes. I am five feet nine inches tall and weigh 130 pounds. I am a senior in Unity High School and my birthday is August 16. My hobbies are writing letters, singing, sewing, and horseback riding. I have three sisters and one brother. I would like to receive letters from both boys and girls about my age. I will answer all letters so come on Pen Pals write. — Opal Marie Owrey, R. R. 2, Lorraine, Ill.

## FEBRUARY BIRTHDAY

I am a girl of 12 and have light brown hair and blue eyes. My hobbies are riding a bicycle, listening to the radio and writing letters. I promise to write to everyone who writes to me. My birthday is February 16. I have one brother, Donald. — Rachel Sill, R. R. 3, Murphysboro, Illinois.

## ROLLER SKATER

This is my first letter I have sent to the Junior REA News. I am a girl 13 years old. I have brown hair, blue eyes, and light complexion. I am five feet four inches tall and weigh 123 pounds. I am a senior in Unity (Mendon) High School. My birthday is September 24. My favorite pastimes are: reading, writing, swimming, horseback riding, and roller skating. I have four brothers and two sisters. I would like to receive letters from both boys and girls. I will answer all letters.—Wilma Sparrow, R. R. 1, Mendon, Ill.

## HAS PET CAT

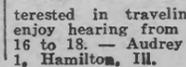
I am a girl 16 years old. I have brown hair and greenish-gray eyes. I weigh 113 pounds and am five feet, four inches tall. I live on a 30-acre farm with my Mother, Dad, one sister and one brother. I have one pet, a cat, whose name is "Stretch". My birthday is August 2. This is my first letter to Junior REA News. I would like to have letters from boys and girls between the ages of 14 and 20. — Louis Mitchell, R. R. No. 2, Box 149, Mukewago, Ill.

## LIKES FISHING

I am a sophomore in high school and 15 years old. I weigh 100 pounds and five feet five inches tall. I have black hair and brown eyes. This is my first letter to Junior REA News and I hope I get a lot of answers. My favorite hobbies are fishing, horseback riding, writing letters, and dancing. I hope to hear from boys and girls. I will answer all letters promptly.—Lucy Sparrow, R. R. 1, Mendon, Ill.

## A CHEERLEADER

I am 16 years old and have dark brown eyes, light brown hair and I'm five feet, one inch tall. I am a majorette, I sing, play piano, and tap. My favorite sport is swimming, along with basketball, roller and ice skating, dancing and bicycling. I am a junior in high school and have been a cheerleader for three years. I enjoy writing songs as well as to people. I am interested in traveling. I would greatly enjoy hearing from girls and boys from 16 to 18. — Audrey Heloise Shaw, R. R. 1, Hamilton, Ill.



## ENJOYS LETTER WRITING

This is my first letter to the Junior REA News, but I keep up on the Pen Pals page. I am 20 years old, tall, and my hobby is writing letters. I would like boys and girls between the ages of 18 and 29 to write. Come on pals and write. I will exchange snaps and I'll answer all letters. — Jane Brim, R. R. 1, Anna, Ill.

## RIDES BICYCLE

I am 12 years old and I have dark brown eyes and brown hair. I go to Philadelphia Public Grade School. My hobby is riding my bicycle. I am four feet tall and weigh about 84 pounds. This is my first letter to the Junior REA News. Please fill my mailbox. I would like to hear from both boys and girls and I will exchange pictures. — L. E. Lane, Sparks Hill, Ill.

## RIDES HORSEBACK

I am a girl 11 years old. My birthday is November 21. I weigh 83 pounds and I have blonde hair and blue eyes. My hobby is riding horseback. I will write to boys as well as girls between 10 and 13. — Marjorie Ann Nelson, R. R. 1, Cambridge, Ill.

## A MARCH BIRTHDAY

I am 17 years old and I go to Karnak High School. My hobby is writing letters. My birthday is March 29. I have dark brown hair and brown eyes. I have two married sisters and another sister. Two of my four brothers are also married. I will write to all boys and girls. — Mary L. Altenburger, P. O. Box 67, Karnak, Ill.

## BASKETBALL

I am a girl 13 years old and my birthday is June 18. I have black hair and brown eyes. I like to play basketball best of all of the sports. This is my first letter to the Junior REA News so come on boys and girls let's be Pen Pals. — Betty Hamp, Herod, Ill.

## SALT AND PEPPER SHAKERS

I am a 14 year old girl and my birthday is October 29. I have black hair, dark eyes and I'm five feet, 10 inches tall and weigh 109. I'm in the eighth grade at New Berlin Grade School. My hobbies are collecting pictures and riding a horse and collecting salt and pepper shakers. I have two brothers. I would like boys and girls between 13 and 16 to write and fill my mailbox. Include your picture, too. — Anna Margaret Cumby, New Berlin, Ill.

## PLAYS BASEBALL

I am a girl 11 years old and I am in the sixth grade. I have light brown hair and gray eyes. I go to Meadowbrook School and my teacher's name is Mrs. Rose. My hobbies are playing baseball and writing letters. This is my second letter to the Junior REA News. Come on, Pen Pals and fill my mailbox. I promise to answer all letters. — Josephine Rallo, R. R. 1, Edwardsville, Ill.

## MANY HOBBIES

I am a girl 10 years old. My birthday is December 8. I have light brown hair and brown eyes and weigh 69 pounds. I have three brothers. I go to Mt. Vernon School. My hobbies are reading, roller skating, sewing, writing letters and playing the piano and going to Sunday school. I have one dog and seven cats. This is my first letter to Junior REA News. I would like to hear from all Pen Pals. — Karol Clark, Hettick, Ill.

## COLLECTS MATCH COVERS

This is my first letter to the Junior REA News. I am 16 years old, have blonde hair, blue eyes and I'm five feet four inches tall. I have a collection of book match covers and for sports I like to swim, horseback ride and go motorcycling. I promise to answer all letters. — Margie Pingel, R. R. 2, Fairbury, Illinois.

## PLAYS PIANO

I am a girl 13 years old and I am five feet tall. I have brown hair and blue eyes and I weigh 81 pounds. My hobbies are playing the piano and collecting movie star pictures. My birthday is June 28. I would like to have Pen Pals between 13 and 16, but the age is not really important. Come on, Pen Pals, let's get acquainted. — Nell Jean Hankins, R. R. 2, Galatia, Ill.

## A FRESHMAN

This is my first letter to the Junior REA News. I am a girl 14 years old. I am four feet 10 inches tall and weigh 85 pounds. I am a Freshman in the Karnak High School. I like to sing and dance. My birthday is December 18. I would like to hear from boys and girls of any age. I will answer all letters. — Shirley Lee Bunker, Box 78, Karnak, Ill.

## MANY HOBBIES

I am a girl 14 years old. I weigh 125 pounds and I am five feet three inches tall. I am in the eighth grade. I have two brothers, Bonnie age 15 and Douglas age 10. My most important hobby is horseback riding but I have many more hobbies. I enjoy singing, cooking and

playing football. Right now my mailbox is empty and I am itching for a big bag of letters from the Junior REA News Pen Pals. I promise to answer all letters that I receive so come on and fill my mailbox and don't forget a picture of yourself. — Rosemary Vaughn, R. R. 1, Golconda, Ill.

## PET DOG



This is my first letter to the Junior REA News. I am 14 years old and my birthday is June 24. I go to Oakdale School and I am in the eighth grade. I am five feet, three inches tall. I have blue eyes and brown curly hair. My hobby is playing football. I have a pet dog. — Leo Emil Stern, Coulterville, Ill.

## CHEERLEADER

This is my first letter to the Junior REA News. I am a girl 13 years old and my birthday is October 3. I am in the seventh grade. I like to go to school and I am a cheerleader for the basketball team. I have golden blonde hair and hazel eyes. I would like for boys and girls of all ages to write to me. — Arletta Wilson, R. R. 1, West Frankfort, Ill.

## ENJOYS SCHOOL

I am a girl 12 years old. I weigh 102 pounds and I am five feet 11 inches tall. I have brown hair and grayish-blue eyes. I go to the Patoka School and like it very much. I have five sisters and three brothers. My hobbies are doing arithmetic and doing farm work. I want boys as well as girls to write to me. I will answer all letters. — Janet Jones, R. R. 2, Patoka, Ill.

## PLAYS STEEL GUITAR

This is my first letter to the Junior REA News. I am 14 years old and my birthday is January 11. I am five feet six inches tall and weigh 112 pounds. I take lessons on the steel guitar. My hobbies are reading comics, bicycle riding, playing baseball, listening to the radio and writing letters. I would like to hear from boys as well as girls of all ages. — Mary L. Northup, R. R. 1, Niota, Ill.

## SEVENTH GRADER



This is my first letter to the Junior REA News. I am a girl 12 years old and my birthday is August 14. I am in the seventh grade at school. My hobbies are riding a bicycle, playing with Brownie, our little dog, and cooking. — Thelma Yates, R. R. 1, Maunie, Illinois.

## MOVIE STAR PICTURES

I am a girl 16 years old and my birthday is October 6. I weigh 120 pounds and I am five feet five inches tall. I have brown hair and brown eyes. I am a Junior at Galatia Community High School. My hobbies are collecting movie stars and other pin up pictures. I like all sports but enjoy bicycling and roller skating the most. I would like to hear from anyone who wishes to write. So drop a line boys and girls and be my pen pal. — Doris Schwartz, R. R. 2, Galatia, Ill.

## DANCER

This is my first letter to the Junior REA News. My hobbies are horseback riding, ice skating, swimming and dancing. I am five feet four inches tall. I will answer all letters from boys and girls between the ages of 15 and 25. Come on and fill my mailbox. — Nadean Weisenberger, Albion, Ill.

## ENJOYS READING

This is my first letter to the Junior REA News. I am a girl 13 years of age with light red hair, blue eyes and weigh 103 pounds. I am five feet, five inches tall. My hobbies are reading, riding my bicycle and listening to the radio. Write and tell me your hobbies. There isn't a better way to get acquainted. I would like to hear from boys and girls over 12 and I'll be waiting. — Mary Jane Lyannas, R. R. 1, Springerton, Ill.

## LIKES TO HUNT

I am a boy 14 years old and my birthday is May 13. I weigh 119 pounds and I am five feet six inches tall. I like to ride my bicycle and enjoy going hunting. I would like to hear from boys and girls between the ages of 10 and 18. So come on boys and girls and fill my mailbox. — Harold Wayne Dean, R. R. 1, Cobden, Ill.

## LIKES BUILDING

I am a boy 10 years old. I have brown hair and blue eyes. I am four feet, one inch tall and weigh 60 pounds. I go to the Camp Creek School. I have one brother named Delbert. My hobbies are playing with my dog, riding my bicycle and building things. I would like to hear from boys between the ages of nine and 12. — Jesse Miller, Brownstown, Ill.

## SEVERAL PETS

I am a girl 11 years old and my birthday is June 26. My eyes are blue and my hair is light brown. I am five feet one inch tall and I weigh 75 pounds. I live on a farm. I have two sisters, Dixie Lea, nine and Sandra Sue, three. Our pets are two dogs, two cats and three kittens. My hobbies are bicycle riding, cooking, sewing and crocheting. — Glenda Rae Wilson, R. R. 1, Keenes, Ill.

## JANUARY BIRTHDAY

This is my first letter to the Junior REA News. I am ten years old and my birthday is January 11. I am in the fifth grade at Central School. My hobby is reading. I want boys and girls between the ages of nine and 11 to write to me. Come on boys and girls let's be Pen Pals. — Mary Moore, R. R. 2, Equality, Illinois.

## A SPELLER

This is my first letter to the Junior REA News. I am a girl 16 years old and my birthday is February 6. I weigh 123 pounds and I am five feet eight inches tall. My hobbies are spelling and reading. I also like to go to church. I would like to hear from girls between the ages of 15 and 19. — Harlene Baker, R. R. 2, Salem, Ill.

## LIKES DRAWING

This is my first letter to the Junior REA News. I am 14 years old. I have reddish brown hair and dark brown eyes. My hobbies are sewing, drawing and riding my bicycle. I am five feet four and one-half inches tall. I want both boys and girls to write to me. P. S. Send me a picture of yourself. — Charlotte Bridgeman, R. R. 1, Godfrey, Ill.

## BLONDIE

I am 11 years old and I am four feet three inches tall. My eyes are blue and my hair is blonde. My hobbies are riding a bicycle and going fishing. This is my first letter to the Junior REA News. I will answer all letters from Pen Pals. — Virginia Kerr, R. R. 2, Cobden, Ill.

## A BLONDIE

I am writing for the first time to the Junior REA News. I am a girl 16 years of age with blonde hair and blue eyes. I am five feet seven inches tall. My favorite hobbies are writing letters and listening to the radio. I will answer anyone between the ages of 16 and 20. — Beulah Baker, R. R. 4, Murphysboro, Illinois.

## ENJOYS PEADING

I am a girl and my name is Mary Jo Ann. My friends call me Jo Ann. I am five feet tall and have blue eyes and I weigh about 100 pounds. I have dish water blonde hair. I am 13 years old and a Freshman at Petersburg High School. The subjects I like best are mathematics and science. I like all outdoor sports, especially football. I enjoy reading books about nurses and doctors. I live on a farm four miles East of Oakford and seven miles North of Petersburg. My hobby is collecting colored picture post cards and stamps. I would like to have Pen Pals from other states besides Illinois. Come on boys and girls and fill my mailbox. I promise to answer all letters that I receive. — Jo Ann Lewis, Box 4, Oakford, Ill.

## EIGHTH GRADER

I am eleven years old and in the eighth grade. My birthday is September 10. I weigh 78 pounds and I am four feet tall. I like to embroider and ride a bicycle. I have two brothers and one sister. I have dark brown hair and brown eyes. I will answer every letter I get. — Eddie Dean Allsop, Holiday, Ill.

## COLLECTS PHOTOS

I am a girl 18 years old and my birthday is August 11. I weigh 136 pounds and I am five feet eight inches tall. I have medium brown hair and hazel eyes. My hobbies are outside sports and collecting photographs. This is my first letter to the Junior REA News. I would like to write to boys and girls in other states as well as my own. — Louise Miller, Box 47, Geff, Ill.

## ENJOYS SKATING

I am a girl 11 years old and in the fifth grade. My hobby is skating. I have brown hair and gray eyes. My birthday is January 2. I would like girls between the ages of 10 and 11 to write to me. — Patsy Gale Buie, Box 92, Olive Branch, Ill.

## MUSICAL

I am a boy 19 years old and my birthday is March 7. I weigh 180 pounds and I am five feet nine inches tall. I have dark brown hair and brown eyes. I am very interested in music. I play Spanish and Hawaiian electric guitars, harmonica and sing. I live on a 140 acre farm one mile from town. I do not have any brothers or sisters so I would like to have everybody write to me. I promise to answer all letters. — Robert W. Burkhead, R. R. 1, Findlay, Ill.

## AN EIGHTH GRADER

I am a girl 13 years old and I weigh about 86 pounds. I am about five feet tall. I have blueish green eyes. I am in the eighth grade at the junior high school at Wellington. My hobby is riding a bicycle. I would like Pen Pals between 13 and 15 to write to me. I will answer all letters. — Margaret Ziebart, R. R. 1, Wellington, Ill.

## MODEL TRUCKS

I am a boy 13 years old. I have brown hair and brown eyes — I am five feet tall and weigh 85 pounds. My hobby is making model trucks out of cardboard, and driving tractors. I would like to hear from all boys and girls between the ages of 12 and 15 and I will exchange pictures. I hope you will fill my mailbox. — Leroy Morris, R. R. 2, Zenia, Illinois.

## FAVORITE STARS

I am a girl 18 years old. I have brown hair and brown eyes. I am five feet tall and weigh 115 pounds. I have four sisters, Betty, 23, who is married; Shirley, 16; Barbara, 13; and Sue, two. I also have one brother named John who is 21. I have two dogs, a cat and a pig for pets. My hobbies are going to movies, listening to the radio and cooking. My favorite movie stars are Monty Hale, Gene Autry, Roy Rogers, and Dan Evans. I would like to hear from boys and girls between the ages of 17 and 27. Come on Pen Pals throw some ink my way. — Rose Helderfeld, Mounds, Ill.

# Your Co-op Newscolumn

## NEWS FROM McDonough Power

Macomb, Ill.  
Arthur H. Peyton, Mgr.

Several of the directors and some of the cooperative personnel attended the eighth annual meeting of the National Association held in Chicago. Over 4,000 people representing all the cooperatives in the United States attended this meeting.

The program was very broad covering all phases of cooperative operation with high points stressed such as how we achieve better public understanding of our program to keep public officials informed; what we can do to achieve better member participation; ways that we can promote better management.

A large part of the program was devoted to what can be done to bring about better farm electrification and power system equipment research.

### SYSTEM IMPROVEMENTS

The REA has now approved a change in our system improvements. During the early part of March the manager discussed with the officials in Washington, system changes that were necessary to provide adequate power in the south part of our system.

This will involve the building of tie-lines between the Colchester station and the Macomb Substation. Both of these substations feed main lines south to the lower half of McDonough county.

From the ends of both these feeder lines a tie-line will be constructed east and west following the route along the main travel road east and west of Industry. When this tie-line is completed, it will give two-way feed of electricity in that area and in event of trouble on one feed, the load then can be picked up from the other station remaining in service.

This will give a better continuity of service to all the members living in the south half of McDonough county. It is hoped that most of these tie-lines can be completed this coming Spring, Summer and Fall prior to any need before the next Winter season.

We again want to stress the importance that all stand-by units must be reported to this office. By board resolution passed at the February meeting of your board of directors, it makes it necessary for the safety to the operating personnel that all stand-by electric units that are available for service, be connected permanently to the distribution system of the premise with a double pole, double throw switch. In this way the stand-by unit cannot be operated without first disconnecting the incoming service by the switching procedure.

We have available at the office a double pole, double throw switch for the purchase of the members on a cost basis. This will make such switches available to the members at a cheaper rate than they could otherwise obtain them. Please bring your problems concerning this matter to the office so that our engineering staff may advise you the best way to handle such an installation.

We cannot stress too strongly the importance of adequate safety for our maintenance and operating personnel. This is one of the steps that we must follow rigidly to avoid an accident in the future which might cost a life of one of our employees or even the life of some of your friends or neighbors. Please cooperate with us in this respect.

### EMPLOYEE ACTIVITY

Two more of our employees have taken the "step." Wayne Evans was married February 5 to Patricia Mesecher. They are making their home here in Macomb.

On March 5, Jack Grimm married Elizabeth Barry and after a short honeymoon trip to points unknown, they, too, are making their home in Macomb. The entire personnel of your cooperative joins in wishing these folks all the happiness in the world and I am sure that the members of the cooperative join us in those wishes.

### PUBLIC INTEREST

Your cooperative has available through both its utilization department and the management, a series of articles that are of utmost interest to the members and public at large.

We have available films that can be obtained for showing at civic groups or other organizations and it is possible that the subjects you might desire covered in such meetings, can be elaborated for your own personal use and need.

When planning your future programs or activities of your clubs or organizations, remember your cooperative office and personnel stands ready to take part in your program and to bring to you messages concerning your cooperative and the use of electricity on your premises.

We will endeavor to bring to you the latest methods that are available and we constantly strive to keep our files up-to-date on the happenings in the electrical field as they pertain to farm operation and the cooperative form of enterprise in a matter of distributing electric service.

### TELEPHONE BILL

As you know, the telephone bill has passed and now become a reality. Telephone loans are being made. Thus far in the areas of McDonough and Warren counties, we have not had sufficient indication to warrant the development of the telephone cooperative.

In other counties many of the small mutual and private owned telephone, rural lines and small exchanges are banding together under a telephone cooperative for the purpose of obtaining a loan to re-finance the organization of a telephone co-op.

One of the ideal points is that telephone service will be provided which will be above par in performance. Some of the requirements of federal administration is that the latest type of equipment and the best of construction go into the provisions when telephone service is being outlined.

This will mean that the rural home will have the dial type telephone and to call their neighbor, whether he be a mile or 10 miles away, will be just as simple as calling the number in the city.

All the small mutuals will have automatic switchboards and in turn when you want to make a call that is a greater distance than on your own local exchange, it will be handled by the major telephone companies on a toll basis. Your interest in the matter of rural telephones will govern the action that your board of directors will take.

## NEWS FROM Rural Electric

Divernon, Ill.  
Ralph V. White, Mgr.

### OFFICE HOURS

8:00 a.m. to 4:30 p.m., Monday through Friday. The office is closed all day Saturday. Telephone Number—Divernon 19.

Only trouble calls should be made after 4:30 p.m. daily and on Saturdays and Sundays. For trouble calls during the hours the office is closed, call Divernon 19—operator will connect you with the lineman on duty for outage calls.

We wish to take this opportunity to ask the cooperation of the members in making outage and trouble calls. Only those calls which pertain to outages, trouble calls or other calls that are of an emergency nature should be reversed.

Very frequently we get calls from members regarding meter changes, service drop changes, and other calls which should be paid for by the member, and not the cooperative.

These calls place your cooperative in the situation of having to bill the member for the calls that are reversed which do not pertain to matters of an emergency nature as outlined above.

### TROUBLE CALLS

The management is endeavoring to operate your cooperative as economically and as efficiently as possible, and to provide the best service possible. Toll calls from members are a costly item to the co-op, and these can be reduced by member cooperation.



Ralph White

We wish to ask the members aid in reporting by "collect calls" only calls of an emergency nature, such as outages, tree interference, or other trouble which pertains to the continuity of good service.

### MEMBER COOPERATION

Another way we can cut down these telephone expenses is by soliciting member volunteers to help us. We would like to ask for volunteers from the membership to help us reduce the number of outage calls.

Frequently we have to pay for several calls reporting the same line outage. If we could get one member to report the outages of his neighbors, it would help reduce these calls.

There are over 20 different telephone exchanges in our system that require a toll in calling Divernon. We would like to have one or more members in each telephone company area to take the outage calls from each member who has the same telephone address. Then that member can call Divernon 19 and report the outage. This will reduce duplicate calls.

### MAKE LIST AVAILABLE

After we get a complete list of the members who would be willing to help cut down expenses we will make the list available to the members. Each member will then call the person on his exchange who is taking the outage calls.

We are asking for one or more volunteers from each telephone exchange area. We hope to get enough response from this request

to carry this program through. This would require very little time and effort, and if you volunteer you will be doing a great and important service for your cooperative. Won't you help us in this matter.

### CONVERSION WORK

The weather has been delaying and slowing down the conversion work being done. On the two-phase line that is now being built from the Harvel substation, the men have encountered difficulty with bad roads and bad weather in general.

However, that phase of the conversion work is progressing as rapidly as the weather will permit.

The conversion work in progress will insure each member with adequate electric power to handle his present and anticipated load requirements for some time to come. The two-phase line, west from the Harvel substation to the Montgomery-Macoupin county line was started in November, and is nearing completion at this writing.

### NRECA MEETING

The National Rural Electric Cooperative Association held its annual meeting in Chicago, March 6-9. Attending the meeting from this cooperative were President Fred W. Harms, Vice-President George C. Simon, Secretary-Treasurer Joe Dowson, and Director Clyde A. Deal. Ralph V. White, manager; Manford D. White, bookkeeper; and Roy D. Goode, power use adviser also attended the meeting.

President Harms acted as voting delegate from this co-op at the three-and-a-half day meeting. Harold Whitman, a director from the McDonough Power co-op at Macomb is on the NRECA board from Region five which consists of Illinois, Iowa, Wisconsin and Upper Michigan peninsula.

There are 10 regions in the United States and Alaska. Clark T. McWhorter, Blair, Okla., is president of the national board of directors.

### MAIN REASONS

One of the main reasons for NRECA's existence is the desirability of fostering the spirit of cooperation and mutual assistance among leaders all over the nation. NRECA has many other functions such as providing an information service for its members, Congress, and the general public.

NRECA takes the lead in opposing legislation which is adverse to the interests of rural electric cooperatives and performs other tasks for its members on a national level.

### AREA COVERAGE

At the last annual meeting of the members, the announcement was made that "area coverage has been accomplished". This means that twelve-and-a-half years after the first lines were energized by this cooperative, the lines have been built to provide electric service to everyone living within the system area who desires service.

However, there are still a few houses that are not wired for service. If you know of anyone in our area who is not now receiving service but wishes to have his premises electrified tell him to get in touch with the office. He can be assured of receiving electrical service promptly.

You can help your neighbors to enjoy the benefits provided by electricity by informing him that he can now get electricity very soon after he has made application for it.

## NEWS FROM Wayne-White

Fairfield, Ill.  
OWEN J. CHANEY, Mgr.

### TELEPHONE NUMBERS

In case of trouble before 8 a.m. or after 5 p.m. call the following:  
For Carmi, McLeansboro, Norris City and vicinity call Chalton Carter, phone number 123 Norris City or Everett Phillips, phone number 38J, Norris City.

For all of Wayne County, Crossville, Calvin and Phillipstown in White County call, Cloyd Musgrave, 60M, Norman Davis, 639J, Charles Mann, 602M or Bill Fleming, 11F23, all of Fairfield.  
For all of Edwards County call Wm. Bennett, phone 217W Albion.

During the early part of February we were again reminded of the necessity of proper tree clearance along our lines. In the 12 years of operation of your cooperative we have suffered from three ice storms.

One in January, 1949 and one in January and February of this year. We were sort of doubled up on this year and we hope we don't have any more ice.

We know you probably get tired reading about trouble caused by trees, but they are our biggest headache and we just keep on talking about it.

The ice in February did not break down any poles on our lines and not many wires. Ninety per cent of our trouble was due to low hanging tree limbs.

### YOUR ELECTRIC BILL

We have added on a large number of new users in the last few months and judging by the inquiries we have received, a great many people do not understand just what is included in the monthly bill we send out. The major part of each bill is for kilowatt hours consumed. This part is figured on a so much per kilowatt hour basis. The bill also includes a tax.

For example, we will say, you used 100 kwh between January 15 and February 15. The cost is \$6.50. To this is added a three per cent state utility tax or 20 cents bringing the total bill up to \$6.70.

This bill would be figured as follows.

First 15 kwh at 10c	.....	\$1.50
Next 25 kwh at 8c	.....	2.00
Next 60 kwh at 5c	.....	3.00
Three per cent state utility tax	.....	.20
Total	.....	\$6.70

Of course if you use more than 100 kwh per month all or any part of the next 100 kwh costs you three cents each and all over 200 kwh only costs you one-and-a-half each.

### SUGGESTIONS

Don't forget to check your electric brooder before your baby chicks arrive. It is always a good idea to put a new wafer on the automatic switch each year. You can buy them at almost any hardware store or hatchery.

Before you can have an electric stove installed, your wiring will have to be changed, unless your house was wired for a stove in the beginning, an electrician will have to change your entrance cable and switch box from 120 to 240 volts so that you will have enough power to operate a stove.

Do you have wiring repairs made promptly by good electricians?

Do you have new outlets put in instead of using long extension cords?

**NEWS FROM  
Southern Illinois**

Dongola, Ill.

George Endicott, Mgr.

The appliance survey has been in progress for over a month now, and to date the office has received a good percentage of returned cards. The office would like to take this means of expressing its sincere appreciation of the members' cooperation in returning the cards.

It would have been impossible for the office to have made a personal survey. With 5,000 members it would in all probability have taken almost one-and-a-half years to have made this survey.

Unfortunately there is still a large number of cards which haven't been returned, and it is rather discouraging. Nevertheless, the office sincerely hopes that those members who have failed to return their cards will do so as quickly as possible, or if the card has been lost, just list the appliances on a sheet of paper and send it in.



G. W. Endicott

**NEED CARDS**

Without the cards for the office to know of the location of heavy loads, it is quite possible that a transformer or a member's motor may burn out. In some cases a member originally planned to have only lights and a small transformer was put up for them.

However, since then they, or their neighbor, probably have added an iron, refrigerator or washing machine, and perhaps even more. In cases like that, without the survey card or list of appliances, the member may have and certainly is courting trouble.

It is strange indeed, as you remember the office originally planned to announce those who received the awards for the appliance survey in the March issue of Illinois REA News.

However, the response has been so slow that the office put it off until the April issue of the paper. At present we have three letters with stories pertaining to appliances.

It has been decided now to extend the deadline on these stories to the board of directors' meeting of April 17. That is the very last date and with only three contestants thus far you have an excellent chance to get in this contest and win \$5 credit on your electric bill.

**TELEPHONES**

On February 26 Manager George W. Endicott, Attorney John Paul Davis, Secretary Clyde Hogendobler, and Power Use Advisor Mel Wittenborn, visited the REA Headquarters in Washington D.C. in regards to formation of a telephone cooperative to fulfill member requests for a telephone program and help complete plans for the building of the new headquarters building.

The group discovered that the telephone loan could be secured, but only on basis of application along with signed membership applications. While there, REA prepared applications and right-of-way forms for members to sign. As yet, REA does not have speci-

fications for telephone cooperatives to follow in building the lines, but they are feverishly at work on them. The most important item was that enough potential members must sign the application for service of the telephone cooperative to show the feasibility of a cooperative to be formed.

**REQUIRE HIGHER FEE**

It was pointed out that many persons would sign a petition, whereas many persons who signed the petition would not be willing to sign application and make \$5 partial payment of the \$25 membership fee.

In the electric cooperative a \$5 membership fee was required, but REA was much more certain of loan because of investment members would make in electrical equipment and wiring, but in telephone cooperatives there is no investment on the member's part except the membership fee.

It is believed that many persons wouldn't do without their telephone after having proper and adequate service, nevertheless there is no investment on members part other than membership fee as stated, and it is felt by REA that anything less than a \$25 membership fee would not be enough equity for a loan.

If potential members are not willing to pay \$5 partial payment to show interest and final \$20 to show real desire for telephones, they do not need the advantages of telephone service.

It is true too, after investing as much as needed to receive electric energy a person should certainly be able to put up or invest \$5 for initial membership and additional \$20 for final membership and full use of telephone service.

**NRECA CONVENTION**

On March 6-9 Directors Charles B. Soper and wife, Lewis C. Johnson and wife and daughter Marion, Otto Finger and wife, Ray Guthrie and wife, Clyde Hogendobler, K. R. Douglas, William M. Planert, Manager George W. Endicott, and Power Use Advisor L. M. Wittenborn, were among the 4307 delegates from 42 states attending the 8th annual convention of the National Rural Electric Cooperative Association at the Stevens Hotel in Chicago.

The convention was organized and planned very well. Besides having numerous outstanding speakers in their field and related fields, an audience participation program was inaugurated with the head of adult education of Michigan State College, Don Phillips directing. It permitted each individual to get his answers from the nation's top men in various fields.

The proper information pertaining to this program was acquired and SIEC is planning on using this plan at its annual meeting which is to be held this fall.

**RADIO CHANGE**

Manager George W. Endicott and Office Manager and Radioman, Tom Reeves, went to General Electric Electronics Division located in Kansas City, Mo. on March 12 to have the frequency change made from 37.70 megacycles to 47.78 megacycles in the cooperative's 13 two-way radio sets.

Federal Communications Commission has been revising most two-way radio frequencies and placing a certain frequency on organizations (such as electric cooperatives) in a certain area to eliminate most of the interference experienced in old frequencies.

This new frequency will also enable the electric cooperatives in Illinois to inter-communicate since

they will all be on the same frequency except those cooperatives which are on an entirely different frequency.

The changing of frequency also calls for cutting off of eight inches on the antennas of the towers including the tower at Dongola and the tower at the branch office at Metropolis. In the sets, the crystals and antenna coils will have to be changed.

In addition the cooperative is also having a modulation limiter unit added to each set to enable more distinct transmission over the sets, and in keeping with FCC regulations as related to new sets.

**MEETINGS**

A meeting with all the appliance dealers in the cooperative area is being planned. The purpose of the meeting will be to discuss appliance problems and outline the program which the cooperative is following.

Another meeting scheduled soon is the Farm and Home Advisors meeting which is planned primarily to introduce the public relations and power use program of the co-op, which is now being inaugurated and will work in conjunction with the farm and home advisors.

**PRESIDENT'S LETTER**

After 10 years of continuous electric service (not counting short term outages) we finally found what it really means to our daily lives—I refer to our recent sleet damage.

Notwithstanding the real inconveniences (and in a very few cases, actual losses) incurred, the amazing thing to me was that out of 5,000 members there were practically no real "gripes"—not to exceed three.

You are to be congratulated on your patience. Your very apparent faith that your management was doing all in its power to restore service as quickly as possible is appreciated as is also the very numerous contributions by members in various ways to get the lines back in operation.

As you know I live near utility-served communities. The private utilities claim to be "business-managed." They imply that cooperatives are not "business-managed." During the February ice-storm, however, we were way ahead of the utility crews in restoring customers to service because we had the foresight to install two-way radio service. The utility, as a result of observing the manner in which radio speeded up the co-op's work, is now going to follow your co-op's example and install two-way radio for its crews.

Besides helping us to repair outages so much quicker, our radios—we have eleven units in the field—paid for themselves during this one sleet storm. Total cost of repairing the lines would have been \$15,000 to \$20,000 instead of \$10,000 because of the extra travel and time which the work would have involved had we no radio.

Wm. M. Planert, president.

**NEWS FROM  
Clinton County**

Breese, Ill.

Joseph Heimann, Supt.

On April 12 at 7:30 p.m. Robert W. Vander Pluym, leader of the 4H Electricity club, will have a meeting of all boys interested in the electricity club project. The age limits are 10 to 21 years.

Any boy interested in the project, which is a two-year course, should attend this meeting, if possible. If you will not be able to attend this organization meeting call the Clinton County Electric Cooperative at Breese and give us your name, address and age and you will be notified by mail when

and where the first meeting will be held.

**COVERS ALL PHASES**

This project covers all phases of minor electric repairs in regards



J. H. Heimann

to equipment and the wiring in the home, barns, machine sheds, etc. We will also go in to the making of pig and chicken brooders which you can use, if you want, on your own farm. You will find these are very economical brooders and will bring great results at very little cost.

We hope to make this a good and large club and also hope that you parents who have boys in this age group will encourage your boys to enroll in this Electricity club.

Some of the boys who have already gone through this project are now able to do most of the minor repair work at home, thereby saving you both time and expense.

**DON'T FORGET**

Let's not forget the date, April 12 at 7:30 p.m. here in Breese at the Clinton County Electric Cooperative's office. There will be six meetings each year, each meeting on the date the club chooses to be most convenient to them.

We will also have an outing or picnic sometime during the summer months, if possible. Some sort of recreation will be worked into each meeting making them more interesting and not all work.

You can still enroll in the project even if you are already in the Tractor club, Poultry club or any other 4H club work. Let's all be here at 7:30 p.m. on April 12 and make this club one of the biggest and the best in our county.

**MOVING**

We had very good cooperation from most members who moved this Spring. We wish to thank them for this. When moving give us the day you move, the meter reading and if possible the name of the people moving to the property you are vacating.

**CAPITAL CREDIT**

Within the next week you will receive notice of the capital credit you have earned in 1949. This is the amount of money that you have paid for your electricity in excess of actual operating costs including wholesale power. This money is used to repay the loan to the U. S. Treasury.

You are actually earning financial interest in this organization. Some members have earned a sizable interest in 10 years. The 1949 per cent factor was 1863 which means that out of every dollar you have paid this cooperative 18.63 cents was used to repay on the loan.

**PLAN BUILDING**

Your board of trustees at the March meeting, employed an architect to complete plans on an office and warehouse building for your cooperative. Plans are to construct this building in the late summer.

**OPERATION REPORT**

FEBRUARY, 1950

Miles energized	686.09
Revenue per mile	20.87
Connected members	1798
Average kwh—Farm	229
Average Bill — Farm	7.79
KWH sold	427846

**NEW APPLIANCES**

- Mix-Master: Paul Torrence, Everett Richardson.
- Vacuum: John Maibaum, Hy. Speiser, Fred Hartmann, Everett Richardson, Wm. Huelsmann.
- Water System: Everett Richardson, Ray Kombrink.
- Clock: Ernest Arnold.
- Milking Machine: Theodore Stone.

Brooder: Catherine Kavanaugh, Helen Kues.

Toaster: Hy. Speiser, Burl Quirk.

Television: Geo. Lampe.

Refrigerator: Dean Edwards, Ernest Arnold.

Deep Freeze: Hy. Speiser, Everett Richardson.

Range: Orville Rueter.

Sewing Machine: Geo. Lampe.

**NEWS FROM  
Corn Belt**

Bloomington, Ill.

T. H. Hafer, Supt.

During the recent coal strike some of our members were worried about the amount of electricity available because of this Illinois Commerce Commission order cutting the use



T. H. Hafer

25 per cent.

This order came out just at our annual meeting so the announcement was made there. Each member was asked to cut the use 25 per cent along with all other people in the state. We have no way of telling to what extent our members were successful in doing this but we do know that it was a pretty tough problem for farmers to cut 25 per cent of their electric use out.

**ANNUAL MEETING BLIZZARD**

We certainly picked the wrong day for our annual co-op meeting this year in that it was probably the worst blizzard of the whole year. Many members were there on time and a few others came late and we just managed to have enough to make a quorum so that the business was properly transacted.

The recommendations of the board of directors regarding the new by-laws, the joining of the State-Wide Power Cooperative when deemed advisable, and the joining of the Illinois Agricultural Auditing Association were all approved by the members with a very few dissenting votes.

Reports of the officers indicated another successful year and copies of these abbreviated reports along with the financial statement of the cooperative for the year are available at the office and will be mailed to any member on request.

**AWARDS PRESENTED**

About \$500 worth of prizes were awarded to members who braved the storm to attend and these were scattered out over the whole territory in such a way that many from all sections took home with them valuable electric equipment.

The entire board of directors were re-elected. They were: Franklin Allen, W. B. Ellis, H. O. Groves, Homer Jeckel, Edward S. Kearney, Harry Miller, Ethel Moon, Ruth Otto, Walter Risser, Frank Simpson and Ivan Snow. In the organization meeting Walter Risser was re-elected president, Frank Simpson, vice-president, and Ruth Otto, secretary-treasurer.

Entertainment was furnished by the members of the Normal High School Band in an orchestra and also a very humorous skit. Mr. Rohlfing also gave a very humorous talk explaining his company which manufactures holes of all kinds.

**DIRECTORS ATTEND NRECA**

Your board of directors attended the National Rural Electric Cooperative Association annual meeting at Chicago the week of March 6th, that is all but one attended. We are glad to report this as it shows that your directors are interested in learning all they can about the cooperative.

**LARAMORE and DOUGLASS, Inc.  
ENGINEERS**

Power Plants, Distribution and Transmission Lines  
SYSTEM STUDY SURVEYS  
79 East Adams Street, Chicago 3, Illinois  
REA FIELD OFFICE—154 North Market Street, Paxton, Illinois

**NEWS FROM Adams**

Camp Point, Ill.  
**DEAN SEARLS, Supt.**

Spring work is here and the time spent doing chores, feeding, watering and caring for livestock must be done, but it is time that is taken from field work.

The efficient farmer is one who will feed and water the livestock automatically, prepare the feed mixtures while he sleeps. This can be accomplished with automatic electric controls.

Electricity is the power that is available to you that is best suited to control by remote control.

With automatic electrically controlled equipment working for you, it is possible to eliminate hired help or relieve a lot of "drudgery" work that your wife now does while you are working in the field.

Still more important, you may actually be able to increase the number of livestock handled so that your profits will increase and at the same time your labor decreases.

Many of the automatic controls are operated by low voltage equipment. This makes it possible to operate large equipment from a central location. Your lighting system may be operated in the same manner. We are actually approaching push button farming.

**AILING WIRE SYMPTOMS**

1. Must you only dream about owning electrical conveniences such as a new electric range, because your house wiring is inadequate to carry the extra load?

**Answer:** Call your electrician or our inspectors. You may need heavier wires from meter pole to house or a larger transformer installed, or your distribution panel revamped for the adding of heavier circuits for the added appliances.

2. Do you invite sudden death by using a heater or other portable appliances in your bathroom? Does the light fixture have a dangerous pull chain?

**Answer:** Build electric heater into bathroom wall. Control all lights with switches near the door. Avoid portable cords near plumbing fixtures or water.

3. Do the lights dim sharply when refrigerator or other appliances are turned on? That dimming is a sure sign of overloaded wiring.

**Answer:** Correct overloaded circuits by substituting higher capacity wires, installing new circuits or subdividing old ones, so that each serves fewer outlets.

4. Are you groping in dark for pull cords? You are inviting accidents, bruises or bad falls.

**Answer:** Light your way from room to room with wall switches, preferably three-way.

5. Are your rooms snakepits of extension cords trying to do the work of missing electrical outlets? Do you hide wires under the rugs, run others across doorways or just let them dangle dangerously. These are all fire and accident hazards.

**Answer:** Add more outlets; run wiring behind baseboard, carry in neat moldings or use continuous plug in strips. Connect old, single outlet-type to the new duplex type.

6. Are your hallways and stairs haunted at night—full of shadows and flickering lights? Dark stairs are one of the worst hazards in the home.

**Answer:** Control hallway and stair lighting from top and

bottom with switches.

7. Are your fuses uncooperative—always blowing when a new appliance is connected? Call your electrician—constant over-loading is a fire hazard.

**Answer:** Install heavier appliance circuits for your appliances or add a new circuit for the additional load.

8. Must your iron cord swing from the ceiling light? Do the cords heat and smoke when used? Are your appliances slow in heating? Does the radio fade when you plug in other appliances? Must you stand in your own light at the stove, sink or work table? Check your whole house for these symptoms of inadequate wiring, then act now.

**Answer:** There are many ways of fishing new wires through walls, closets, basements and attics to give you the necessary conveniences where you need them—call your wireman now and have him help you plan your wiring and have it done before you plaster, paint or add new wall paper.

9. Check your meter pole—are the wires sagging low, is the covering good on the wires, are the connections secure and taped?

**Answer:** Have your electrician take up slack, add conduit to replace cable type meter installations and add a breaker below the meter. Adding of the breaker is a very important installation, adding over-current and over-loading protection from your whole wiring system.

**ARE YOU MOVING?**

Each year a number of our members move to different locations during the first part of the year. If you are one of these persons that is going to move, the following suggestions will help your co-op to maintain a current list of members receiving service and the correct addresses.

1. We would like to know the meter reading as of the date you move.

2. We would like to know your new address in order that we may send your final bill to you and also whether you will be receiving service from this co-op at your new address.

3. If you know, we would like to know the name of the person moving in to the place where you are moving out and if you can give us this information ahead of time, we would like to know his present address in order that we may contact him if necessary.

4. If the person moving in to your place has not contacted the co-op, we would appreciate your advising him to contact the office immediately or otherwise we may have to make an unnecessary trip to disconnect the service.

5. If you are moving to another place serviced by this co-op, we would like also to have the meter reading at your new location as of the date you move in and, if possible, send us the name of the person that moved out of that place.

**NEED INFORMATION**

Any information that you can give us about your moving will be greatly appreciated because we do not have personal contact with you and rely on your giving us the information we need.

Also, we would like to advise that there is no payment that you need to make to the person that formerly lived where you moved to. The meter and meter base are both property of the co-op and memberships are not transferable.

In order to receive service from this cooperative, it is necessary that you obtain your own membership which is issued at the office in Camp Point.

**NEWS FROM Illinois Valley**

Princeton, Ill.  
**F. I. Ruble, Mgr.**

Address: 430 South Main Street  
Telephone: Princeton 135

Office Hours—8:00 A. M. to 5:00 P. M. Monday through Saturday  
**TO REPORT OUTAGES — AFTER HOURS:**

**PRINCETON AREA:** Milford Jontz, General Foreman, Telephone: Princeton 2-1199 or Floyd Christiansen, Maintenance Foreman, Telephone: Princeton 2889.

**TO REPORT OUTAGES — AT ALL TIMES IN:**

**GALVA AREA:** Lester Register, Maintenance; Telephone: Galva 232-R.

**OTTAWA AREA:** Jack Lewis, Maintenance; Telephone: Ottawa 2071-R.

**NOTE:** Members in Galva and Ottawa areas please try to report trouble to your maintenance man before calling Princeton.

Illinois Valley Electric Cooperative members in the Bunker Hill community, south of Buda, affiliated with the Bunker Hill Church of God, will see their efforts rewarded for a task accomplished when they dedicate their new church building on Easter Sunday, April 9.

The new Bethel replaces the original building which remained on the present site for 90 years. Cooperation, teamwork and determination of the 80 active members to dismantle the old structure and replace the nearly century old building with a modern edifice has aptly demonstrated the pioneering spirit still alive in the descendants of the original builders of the first Bunker Hill Bethel.

A contractor was employed last August to supervise the work of dismantling the building and rebuilding the present one. Voluntary help from the membership comprised the labor. The Reverend Everett Giles, pastor of the church for six years, was very active in coordinating committees and assisting with details. He also labored with untiring effort along with other members to get definite results from their work.

The following committees, which include many co-op members, will take an active part in the dedication of the Bethel on Easter Sunday: Building Committee: J. C. Carper, Reverend Everett Giles, Tann Marquis and Arthur Pratt. Church Council-Elders: Homer Mechling, Arthur Pratt and Roy Stutzman.

Deacons: Milo Marquis, Tann Marquis and Marshall Stutzman. Trustees: Marion Flint, Kenneth Marquis and Tann Marquis. Church Clerks: Mrs. Josie Bartlett and Mrs. Dorothy Mechling. Sunday School Superintendent: Ralph Ewing, assistant, Homer Mechling. Secretary, Miss Mary Marquis. Treasurer, Miss Evelyn Ewing. Chorister, Mrs. Betty Coomer; Missionary Society: Mrs. Marion Marquis, president, Mrs. Everett Biles, vice-president, Mrs. Lulu Marquis, Christian Endeavor: Mrs. Benita Marquis, president.

The Bunker Hill Church of God is served by the cooperative and was among the first churches to apply for membership when the cooperative was organized.

**SLEET STORM**

The week of February 12 will go down in your co-op's history as the week of a severe sleet storm which affected most of our system. The areas affected by the longest period of outages were north of

Wyanaet, south of Neponset and between Buda and Tiskilwa. Most of these outages are directly traceable to untrimmed hedge and trees along the existing lines.

Pictures were taken of existing tree hazards and will be used to inform members of existing conditions on their premises. Full cooperation must be given by all to accomplish good line clearance.

It is imperative that this condition be remedied before next winter. Direct responsibility of outages incurred from trees and hedge along existing co-op power lines can be placed on members or others on whose farms these conditions exist.

Members are requested to please advise the cooperative office when you know where these conditions exist. It is a service you owe both the cooperative and yourself.

**APPRECIATION**

"Thank you for working so many extra hours so that we could have electric power restored much sooner, following the recent sleet storm," Mr. and Mrs. Ronald Clark, Wyanaet.

This message and a resolution passed by members of the Pleasant Grove Community Club, Buda, Ed Larson, chairman, expressing appreciation for the efforts and extra hours put in by the maintenance crews to restore service, all add up and stimulate the desire to maintain 100 per cent continuity of service to over 3,300 members.

It is the duty of all employees to work until the job is completed and service restored and the hazardous conditions confronted by your employees are all part of the day's work.

Nevertheless, acknowledgement of appreciation from members for service rendered or work accomplished, adds to the satisfaction of those who work diligently to achieve a definite objective which is continuity of service 24 hours each day to all members.

We believe that our entire membership feels as the Clarks and the Pleasant Grove group felt but just didn't get around to expressing it in writing.

**HONORED**

Four families who are moving from the Pleasant Grove community, north of Buda, were honored by 65 friends and neighbors at a party held in the Pleasant Grove School house, Friday evening, February 24.

A short program was presented by pupils of the school directed by Mrs. Kathryn C. Kopp, teacher. Mrs. Kopp then called on Edwin Larson who presented a gift to each of the four families with appropriate remarks.

Mr. Larson then introduced Manager F. I. Ruble who expressed appreciation for the cooperation rendered by members during the sleet storm which occurred earlier in the month. Mr. Ruble also availed himself of the opportunity to extend best wishes on behalf of the cooperative to the honored guests who were also members of the cooperative.

Those honored were Mr. and Mrs. Harold Bill, Mr. and Mrs. Goldwyn Hansen, Mr. and Mrs. Ray Lamplly and Mr. and Mrs. Matt Miller.

Following Mr. Ruble's remarks, several motion picture films were shown by Fred E. Darr. Refreshments consisting of sandwiches, doughnuts, cocoa and coffee were then served by the committee to conclude the evening's program.

**CONVENTION**

Your cooperative was represented at the 8th annual convention of the National Rural Electric Cooperative Association held in Chicago March 6 through 10.

The association represents 849 rural electric systems serving two and-a-half million farms throughout the nation. The convention program was planned to provide directors and managers present with

information to solve problems in operation and improve service to members.

The cooperative was represented by Directors: Mrs. Edith Kays, Ottawa, Mrs. Eileen Slingsby, Utica, Manager and Mrs. F. I. Ruble and Fred E. Darr.

Mrs. Kays was elected to serve as a member of the NRECA national women's committee and will represent Region Five, which comprises the cooperatives in Illinois, Iowa and Wisconsin, in planning the women's program for the 1951 convention.

**NEWS FROM Menard**

Petersburg, Ill.  
**Howard O. Bell, Mgr.**

The thirteenth annual meeting of members of Menard Electric Cooperative held on Saturday, Feb. 25, in Petersburg, received a very serious setback from "Old Man Winter" in the form of a snow storm that Saturday morning.

This prevented a large number of members from attending. However, when the meeting reconvened after lunch, about 750 persons were present.

We are sorry that adverse weather and road conditions made it impossible for many to attend as our program was among the best we have ever had.

After seeing and hearing Mac and Bob put on their part of the program it is easy to understand why they have been among radios top performers for so many years and Jeff Williams, the speaker, demonstrated that good hearty laughter is both infectious and beneficial.

The group singing led by Dillard Worner with Vera Hermann as accompanist, was a great success.

Dillard's sincerity and enthusiasm always brings forth a happy response from an audience.

The proposed amendments to the by-laws, Howard O. Bell providing for the election of three directors each year to serve three-year terms was adopted. This change will not be effective until 1951.

The following members were elected to serve as directors of your cooperative for the ensuing year: Homer T. Brown, New Holland; E. Clyde Lewis, Ashland; C. Nelson Worner, Manito; W. H. Montgomery, Petersburg; Henry B. Colby, Pleasant Plains; Charles E. Smith, Easton; Audace Herzberger, Virginia; Archie Zook, Athens; Ernst R. Hild, Illiopolis.

Members located in the eastern area of the cooperative will note that Ernst R. Hild is now your representative on the board of directors and I am sure that you will be well represented as you have been in the past.

**ONE DIRECTOR RESIGNED**

Herb D. Shelhammer, who has served as your director from this area since 1940, informed the nominating committee that other matters now prevent him from continuing to devote the time necessary to fulfill the duties of director and requested that another member be nominated in his stead.

Herb, the board of directors and members of Menard Electric Cooperative extend their thanks to you for the years of untiring service you have given to the cooperative.

**THANKS**

We want to thank the many dealers, located in our co-op area, for the 50 attendance awards presented to members at the meeting. We appreciate the interest they have shown in our cooperative.



Dean Searls



F. I. Ruble



Howard O. Bell

**NEWS FROM Southwestern Electric Co-op**

Greenville, Ill.  
V. C. Kalla, Manager

**TELEPHONE NUMBERS**

Bond County—Office, Greenville, Tel. 366. Office Hours: 8:00 A.M. to 5:00 P.M. except Sundays or Holidays. Before or after office hours, on Sundays, call: Paul G. Morgan, Greenville 796, or V. C. Kalla, Greenville 379.  
Fayette County—Maurice Ketten, St. Elmo 326.  
Madison County—Ed. Bernes, Edwardsville 1087.

The following directors of your cooperative attended the eighth annual convention of the National Rural Electric Cooperative Association held in Chicago, March 6-9: Edward P. Ohren, Pocahontas; G. G. Pape, Edwardsville; Mrs. Rolie Eakin, Vandalia; Arthur Burkhardt, Sorento; J. W. Loddick, Keyesport; Edward Opper, Shobonier; Otto Henke, Worden.

**EXCELLENT OPPORTUNITY**

The well-rounded program and the contact with board members from all over the United States gave your directors an excellent opportunity to exchange ideas, discuss mutual problems, and better qualify themselves for the job of establishing the policies for sound management of your cooperative.



V. C. Kalla

Now that most of the line construction is completed, one would think that the board would have fewer problems. However, the fact is, that as the cooperative grows older, serving more and more members who are using more electrical energy each month, the problems of policy making and management become more difficult for your board.

It was gratifying, then, to see so many of your board attend the convention, many of the highlights of which are discussed elsewhere in this edition of your paper.

**INTERRUPTIONS**

Many of the members in the Livingston-New Douglas area have been experiencing service interruptions recently because of the construction of a high voltage line by the Illinois Power Company.

As soon as the line is completed, your crews will transfer the cooperative line to the power company poles, thus eliminating one set of poles.

Later in the year, the members in this area will again experience interruptions because of necessary line rehabilitation work which must be done to improve service and provide adequate voltage.

We have mentioned it many times in this column, but would like to repeat same, namely, that these interruptions will be held to a minimum. However, we believe that you realize it is important that this rebuilding be done to give you better service.

It is impossible to replace one line with another on the same side of the road without some interruption of service. To be sure, this is a temporary inconvenience to the members, but the work must be done to insure future improvement of service.

**APPLIANCE CORD SELECTION**

A number of people have pointed out to us that heating appliance cords very frequently burn out near the appliance. Mrs. Loomis Barker, who lives just west of Greenville in Bond county, told us the other day that her foot warmer cord has burned out several times.

The Home Bureau ladies who attended the electrical lessons at Vandalia in February suggested that iron cords frequently need replacing.

A combination of three effects can be blamed for the breakdown of the insulation: first, the normal mechanical wear; second, the heating action of electricity

in the wire; and then, the cord contacts the hot surface or just overheats in the surrounding air.

If your iron, toaster, heater or other cords need to be replaced, remember, there are differences in the cords on the market. Most important are the wire size variation and the type of insulation.

The proper way to eliminate internal cord heating is to have a size of wire big enough to carry all the current required by the appliance. This will also add to the efficiency of the appliance.

A variation from a small Number 18 wire to a hard-to-handle Number 10 is made, but since it is more flexible, easier to use, and a little cheaper, we all usually request Number 18. As a result, most dealers stock only what we ask for. If we want the cord to last longer, we should insist on at least size Number 16 heat resistant cord.

**"LOOK FOR"**

When we need to select a new cord, we'll find the most noticeable difference in those on the counter in the electrical department is in the insulation. There will be various combinations of rubber, asbestos, cotton braid and more recently plastic coverings.

In making a selection, let's look for the Underwriter's Laboratories' tag, and select the cord with the gold band. It will have more insulation with a better asbestos cover than either the ordinary yellow banded or red banded cords.

Our heating appliance cords will continue to wear from normal use, but if we want them to have longer life, we should check for a larger size conductor and make sure of heavier insulation as indicated by the gold band.

**OPERATING STATISTICS**

January, 1950	
Miles energized	1,856.08
Revenue per mile	\$23.77
Total connected members	5,556
Density per mile	3.01
Average bill	\$8.04
Average kwh used	242.35
Per cent minimum bills	11
KWH sold	1,322,285

January, 1949	
Miles energized	1,563.19
Revenue per mile	\$22.33
Total connected members	4,680
Density per mile	3.01
Average Bill	\$7.58
Average kwh used	218.53
Per cent minimum bills	11
KWH sold	1,002,622

**NEWS FROM M.J.M. Co-op**

Carlinville, Ill.  
A. C. Barnes, Mgr.

**TELEPHONE NUMBERS FOR OUTAGE CALLS**

Office—8:00 A.M. to 5:00 P.M. except Sat. & Sunday holidays  
Carlinville 136  
Homer Virden—Carlinville 326-L  
John Scroggins—Carlinville 577-Y  
Aerio Balestr  
Hillsboro County 2005  
Claude McAfee — Brighton 40  
Charles W. Witt, 803 Sumner St., Jerseyville 296W  
Wayne Bandy, 830 School st., Hillsboro 830 KX  
Delmar Miller, 498 South Pearl St. Jerseyville 845W  
Howard Bloomfield Carlinville 153-L

If lineman does not answer and for any other business aside from trouble calls—Call A. C. Barnes, Carlinville 565-L.

KEEP THIS LIST NEAR YOUR TELEPHONE. Check with your neighbors to see if their lights are out before calling. Then report the line outage.

**COOPERATION INSURES BETTER SERVICE**

The annual convention of the National Rural Electric Cooperative Association was held in Chicago, March 6 through 9. Forty-three

hundred delegates from over 42 states attended the convention.

Those attending from your cooperative were: Carl Bloome, W. H. Monke, J. S. Kalla, Henry Egelhoff, Attorney, Alvin G. Whitehouse and Manager A. C. Barnes.

The convention operated on a plan which permitted each individual to get answers to his questions from the nations top men in various fields. On hand to help find answers to the questions were Secretary of Interior Oscar Chapman REA, Electric Administrator Claude R. Wickard along with his top rural electric specialists, Senator Lester Hill of Alabama, Tennessee Valley Chairman Gordon Clapp and National Rural Electric Cooperative Association Executive Manager Clyde T. Ellis.

**CONSIDERED HIGH RATES**

The inadequate power supply of the nation and the high rates which rural electric systems are paying for wholesale power were given more consideration than any other single problem.

The Secretary of the Interior declared that his department is developing the nations water power at a record breaking pace and is constantly making efforts to cooperate with rural electric systems needing the power to fill the rapidly growing demands of American farmers for electricity.

Chairman Clapp of the TVA pointed out that the development of low cost water power by the government could save American farmers millions of dollars annually on his electric bills.

**DISCUSS TELEPHONE LOANS**

The rural telephone program under which Rural Electrification Administration makes loans for the construction and improvement of rural telephone facilities was also given considerable study.

Delegates stated that their plans were to stay out of the rural telephone business but they discussed many steps which could be taken to aid telephone companies in their area to avail themselves of the money which has been provided for improving telephone service.

Senator Hill of Alabama referred to the first rural telephone loan made late in February. He also urged that members of rural electric cooperatives work closely with their cooperative management to keep down the cost of rural electric operations and to assist in providing good service.

Administrator Wickard emphasized that rural electric cooperatives are established for service and that there are many sound reasons why cooperative service is and should be better than the service offered by any other type of supplier.

The aim of the Rural Electrification Administration is "Electric service to every farm and member ownership and control of this service."

**"UNIQUE" PLAN**

The unique convention plan included little time for major speeches but was largely devoted to discussions of problems among small groups. Each group was given the opportunity of bringing their question before the Convention floor and having it answered or discussed by these top officials.

The National Rural Electric Cooperative Association is a program of approximately 850 of the 1000 rural electric systems in the nation. It was organized in 1942. It works on mutual problems of the rural electric systems.

It is controlled by the directors from the various states. Harold

Whitman, Cameron, is the new director on the National Board from Illinois. Clark T. McWhorter of Oklahoma was re-elected national president.

**STAUNTON SUB-STATION**

We want to express our thanks and appreciation to those members who are being served from the Staunton substation area for their fine cooperation during the time that we were converting the line in this area.

This work required disconnection for several days and we tried to make an effort to inform all members in advance that the work would be carried on as quickly as possible and with the least amount of inconvenience. We only received two calls as to why service was interrupted.

We know that it is a hardship to get along without electricity but our hats are off to those members for the fine cooperation they gave us while we were doing this work. It is going to be necessary for similar work to be done in the section around Carlinville substation on the west and we hope that all members in this area will likewise cooperate with us while work is being completed.

**NEWS LETTERS**

"New electrical appliances which I have added recently are, range, dish washer and ironer,"—Dan Lewey, Hillsboro.

"I have been reading the Illinois REA News and find it very interesting. Also that the management would like the members to write in and give a list of all the electrical appliances they are using.

We are using the following: range, water heater, water pump, washing machine, iron, bathroom heater, two radios, sump pump and all the lights we can use.

We are newcomers in the REA family and we think they are OK. We were at the meeting in Carlinville last November and met some very nice people.—R. B. Keel, Mt. Olive.

"We do want to say that we certainly do appreciate the service we have been getting and to the way that your linemen have so promptly taken care of topping the trees where we mentioned it."—Alva F. Cranfill and Son, Butler.

**NEW APPLIANCES**

Mr. and Mrs. Leo Lott, Carlinville, are now enjoying a television set and electric ironer.

**NEWS FROM Southeastern**

Harrisburg, Ill.  
Thomas Clevenger, Mgr.

Office Hours—8:00 A. M. to 5:00 P. M. Monday through Saturday.  
Office telephone numbers, Harrisburg 1360 and 1361.

Perhaps you have wondered what goes on when you have called the co-op office and when you started the conversation, the girl would interrupt you to say "Just a moment please, I'll give you the billing department," or what ever department she feels could help you concerning



T. Clevenger

The reason is 'hat an office as large as your cooperatives' has to be departmentalized for maximum efficiency. If your call concerns a consumers bill, then the personnel in the billing department are most qualified to answer your inquiry, or if you plan to move, the bil-

ling department must know that also.

If your call concerns an outage you will be connected with the engineering department. The two way radio is located in this department, and the engineering personnel can get first hand from you all the information needed to dispatch a truck to your area without delay.

This department can furnish you with data concerning the construction of lines. In channeling your calls, your cooperative is trying to give you a better service.

**WELCOME HOME**

A number of co-op members were forced to evacuate their homes during the recent flood in this area. We understand the water has receded and most of them have moved back. To those folks, we say "Welcome home!"

We know this has been a hardship in many ways. If your cooperative can be of help to you in any way, let us hear from you.

**CONSTRUCTION**

Our construction program seems to be going very slow. This has been due to the flood conditions and muddy roads. In February, on the 'L' Section, we completed 23 miles staked, 23 miles poles hauled, 29 miles poles framed, 29 miles anchors set, 16 miles conductor strung, and 11 miles energized to connect 24 consumers.

We hope the worst of Winter weather has passed, and that you may look forward to increased construction to connect members who have waited so long and patiently for electricity.

**DELINQUENT ACCOUNTS**

Recently the cooperative has inaugurated a policy of collecting consumers delinquent bills five days after the last discount day. This is a job most dreaded by all maintenance men.

We are happy to report that a great number of these bills are being collected without difficulty. We have found most of our members are very honest people and failure to pay on time was either negligence, or could easily be explained.

We owe an apology to a number of folks who, when the lineman went to collect a delinquent bill, could produce receipts showing payment had been made.

Our cooperative is now billing 9,100 consumers, and sometimes a payment goes astray. We hope our system of self-billing will help to alleviate most of these errors.

**RESALE DEPARTMENT**

Our resale department is receiving daily its new 1950 merchandise; ranges, refrigerators, and etc. You are cordially invited to come in and see for yourself the latest thing in electric appliances.

Joab Moore is again with us in the capacity of field salesman. A card or letter in care of the Southeastern Illinois Electric Cooperative, Harrisburg, will bring him to your home. He will be glad to demonstrate any electrical appliances that you might wish to buy.

Lest we forget, we now have on display, at our Golconda office, a full line of electrical merchandise. Drop by and see Miss Deberry or Earl Jackson who will demonstrate them for you.

Don't forget that the resale department also maintains a service department which is at your disposal at all times.

**PRESIDENT WELL AGAIN**

B. D. Gates, cooperative board president, who has been ill for several weeks, is able to be out again. He visited the Co-op office on one of his first trips out.

**CONDOLENCES**

Sincere sympathy is extended to Pearl Spangler and family in the death of her mother, Pearl, is the cooperatives' assistant bookkeeper, but many of you will remember her as cashier.

## NEWS FROM Egyptian Co-op

Steelville, Illinois  
R. S. Holt, Mgr.

### TELEPHONE NUMBERS FOR OUTAGE CALLS

Call Office at Steelville No. 68R2 between 8:00 A.M. & 4:30 P.M. except Sundays and holidays, or if closer

Call Warehouses at Carbondale No. 25-F-12 between 8:00 A.M. & 4:30 P.M. except Sundays, Saturday and holidays.

After office hours call the following nearest telephone:  
Alvin Long, Carbondale, No. 30-F-11  
John Shriver, Chester, No. 544-R  
Robert Huddleston, Steelville, No. 43-F-41  
William Muench, Steelville, No. 82-R-12.

In case of an outage, check to see if your neighbors have service. If not, call the nearest telephone listed collect. If your collect call is not accepted, you will know that the outage has already been reported and is being taken care of.

On Saturday, March 30, 1940, just a short 10 years ago, two linemen were busy all day long from Bremen to Shiloh connecting transformers. The first farmers to receive current from the Egyptian Electric Cooperative had realized that dream.

While trying to get some information about this event, I learned that we still have two employees who are working here today who were on the payroll that day. These two men, W. H. Alms, office manager, and Jack Ervin, line foreman, deserve a tribute in being the oldest employees in our organization. They have literally grown up with the cooperative.

In talking to these two men it was inspirational to hear them relate the eagerness of everyone to cooperate, employees, members and directors. The neighborly spirit that made possible the growth of this co-op to an organization serving over 4,000 members today is an outstanding characteristic of southern Illinois.

Now that nearly everyone has electricity, we find, in some cases, many are beginning to forget. We are likely to feel, "well, we have electricity now—what's the use of all this faldernal anymore?"

Some of our members little realize the magnitude of the forces that are out to destroy us. These forces are at work on the radio, in the newspapers, in Congress. That their aims are selfish greed is evident.

If these forces succeed it will be because our members lost the cooperative spirit. If the members of the cooperatives stick together and remain loyal to their own organization, we will remain strong and the outfits that denied electricity to rural people will never be able to touch us.

### NRECA CONVENTION

Several delegates of the Egyptian Electric just returned from the National Rural Electric Cooperative Association convention at Chicago March 6-9. Rural telephones and generation of power by REA cooperatives were the main subjects of discussion.

Also, it was expressed by 4,300 delegates, from all over the United States, that membership participation in the activities of electric cooperatives is indispensable. The whole spirit of the convention gave the delegates a determination to go back home and work harder to advance rural electrification.

### OUTAGES

It is the policy of the management to continue to improve service and avoid long outages. The record shows that day by day service interruptions have become fewer and lasted for shorter periods of time.

As each day goes by more people are adding ranges, brooders, water-systems, etc. These conveniences make it absolutely necessary that there be no long outages.

There will be outages of short

duration all Spring as our linemen install voltage regulators, sectionalizers and circuit breakers, but these will not occur during the hours from 11 A. M. to 12:30 P. M. and supper time. They will also be of 10 to 15 minutes duration so that electric brooders will not be affected. Our boys work the line hot when it is possible to avoid interruptions.

### BY LAWS

New prints of the by-laws of the cooperative have just been received from the printer. In a few days they will be mailed out to each member. We would like to encourage each one of you to sit down some night and read these by-laws.

These by-laws are the backbone of your cooperative. They contain all the new amendments that were adopted at the annual meeting last August. They give the rules and regulations by which the cooperative, the manager, the board, and the employees work everyday.

### KITCHEN PARTY

On Wednesday evening, March 15, Mr. and Mrs. Raymond Aubrey of Gorham were hosts to neighbors and friends at their home, when the Egyptian Electric and the B and K Furniture store of Murphysboro sponsored an evening meal which was cooked on Mrs. Aubrey's new electric range.

This demonstration of electric cooking proved very interesting as the range had been metered separately for two weeks to see exactly what it cost to cook. In the two weeks the Aubreys had used 32 kwh, at a cost of 48 cents. The supper that evening for 22 people, cooked by Mr. and Mrs. John Neusome, did credit to any threshing dinner. It took exactly five to cook the entire meal at a cost of 7½ cents.

After supper the guests played cards. Those present were Mr. and Mrs. Sam Lester, Mr. and Mrs. Shirley Brickey, Mr. and Mrs. Raymond Grote, Mr. and Mrs. Albert Manor, Mr. and Mrs. Ed. Lester, Mr. and Mrs. Roger Novak, Mr. and Mrs. Fred Valerius and Mrs. B. I. Green.

### RATES

REA in Washington is studying the rate increase contemplated by the cooperative. We expect to hear from them in a few days. We will then be able to have the new billing booklets printed and ready for distribution.

### LETTERS

I am sorry about our electric bill not being paid on time, but the truth of the matter is, I looked at the meter on the 20th and then I forgot to send in the money.

I will try not to let this happen again. We think our electricity is the finest thing we have ever had. Mrs. M. M. Ramsey.

I am getting 300 chicks March 9 and would like to be notified ahead of time if power is to be cut off for any reason other than accident. Thank you. Henry Bunselmeyer.

I want to inform you that since I sent in my card about the electrical equipment I have on my farm, I have purchased an 8 cubic feet deep freezer. I dont know if it will make any difference or not but thought I would notify you. Maurice C. Nixon.

Just want to tell you that we now are using two deep freezers. One is 10 cubic feet and the other is a 12 cubic feet.

Sure do hope the power don't go off for too long as we have them both filled with pork and beef we dressed last week. Also there are some chickens we dress and sell. Chas. Janson.

This is to inform you, we had our electric stove installed this week. Thanking you. Mrs. Rudy Heins.

I don't believe I signed the power card with our appliances checked. We have the following appliances: Electric range, refrigerator, wash-

ing machine, iron, hot plate, water system, electric clock, radio, 2½ h.p. motors, electric fan and electric chick brooder, and electric fence. We installed the range Nov. 21 and think it is wonderful. Thanks for the electric service which has been very good. Charles Mifflin.

### OPERATION REPORT

	February 1949	February 1950
Miles Energized	1,278	1,434
Revenue Per Mile	5.61	4.86
Connected		
Members	3,760	4,258
Density Per Mile	2.94	2.97
Average Bill	5.70	6.21
Average KWH		
Used	135	158
KWH Sold	491,216	572,733

## NEWS FROM Western Illinois

Carthage, Ill.  
L. C. Marvel, Supt.

### Office Hours

8 a.m. to 5 p.m. through Friday.  
8 a.m. to 12 p.m. on Saturday.  
Telephone 84 - Carthage

In case of interrupted service — outside of regular office hours, call one of the following numbers:  
Lee Leonard, Carthage — White 343  
Clarence Hutchins, Carthage — Blue 522  
Luther Bennett, Carthage — Black 146  
L. C. Marvel, Manager, Carthage — White 277

We completed 14.74 mile of line on the "N" section. We set 8.99 miles of poles, hauled out and framed 12 miles of pole. Fifteen new members were connected, and service made available to 18, some of whom have since been connected.



L. C. Marvel

Manager L. C. Marvel has returned to his duties, after having been confined to a Macomb hospital as a result of injuries sustained in a car-truck accident on February 14. Mr. Marvel was released from the hospital, February 28. However, he is still feeling some of the effects of his injuries.

Mr. Marvel wishes to express his thanks to his many friends who sent him cheering messages, and extended him other kindnesses and favors during his stay in the hospital. All were appreciated. Mr. Marvel, on the night of the accident, was on his way to attend a meeting of electrical cooperatives of this district at Macomb.

### ATTENDED CONVENTION

Lloyd A. Dickson, Lee Murphy and L. C. Marvel attended the NRECA convention in Chicago, March 6, 7 and 8. Mrs. Dickson and Mrs. Murphy accompanied their husbands to the convention. Attorney Wilbur Capps also attended the convention on March 7-8.

### MOVING

During the past month, many of our members have moved from one location to another. This moving presents considerable work to the girls in the office; they have tried to get the moving-members located correctly and to the best of their knowledge all records have been changed accordingly; however, if you failed to notify the office that you moved, please do so at once.

### HEAT LAMPS

Your cooperative office has for sale the infra-red heat lamps to be used in electrical brooding of lambs, pigs and chickens. We have both the pyrex (red) which will withstand breakage from moisture getting on them, and the white bulbs with the same heating effect.

### COOK ELECTRICALLY

A number of our members have reported the installation of new electric ranges. Cooking electrically is not only cheaper than cooking with gas—it is preferable from the safety and convenience angle.

### SLEET STORM

This cooperative was very for-

tunate in coming through the sleet and ice storm of February 12 with only a few outages. We did have some trouble due to the icing conditions but they were minor in comparison with those of our adjoining cooperatives. Conditions were such, however, that the crews were alerted for any trouble which might have arisen.

### INSULATOR TROUBLE

While we are on the subject of outages, we should add that we are having considerable trouble with insulators. This certain type of insulator, which is giving the trouble has been in use throughout our system. It is in use, we should say, until they break down.

There is no way of detecting the trouble until the outage occurs, then the lineman sets out to patrol the area; sometimes he is able to locate it immediately and then again it takes more time.

It is a problem which will have to be worked out by your cooperative. We are unable to say whether or not these troubles will decrease or continue, and we do not have the answer to the situation at this time.

Some of our members have experienced line interruptions during the past month, at various hours of the working day; these interruptions were necessitated in making the line reconversions. We have told the members, through this column, of this work, and we are now engaged in it.

## NEWS FROM Eastern Illinois Power Co-op

Paxton, Ill.

T. M. Brady, Manager

### TELEPHONE NUMBERS FOR OUTAGE CALLS

Office—8 p. m. to 5 p. m. except Saturday, Sunday & holidays. Paxton 185

Toni Barbieur, Paxton, 595  
Kenneth Slater, Paxton, 576  
W. S. Nelson, Paxton, 409L  
Jesse Fiets, Gilman, 159  
W. H. Kamm, Hoopston, 9431  
Don Allison, Hoopston, 7144  
Harold Turner, Cropsey, 56  
Virgil Farris, Watsoka, 946W

In case of an outage, check to see if your neighbors have service. If not, call collect one of the above numbers. If your call is not accepted, you will know that the report of the outage has already been received and that it is being taken care of.

The 1,100 members and their friends who attended the annual meeting of your cooperative February 21, went home with a good day's work and a fine program of entertainment from the 13th annual member's meeting.

The meeting was called to order by R. L. Stanford, president, and got under way with reports from Carl Irving, secretary-treasurer, and T. M. Brady, manager.

The cooperative is now operating 2410 miles of line, serving 6505 consumers in Ford, Iroquois, Vermilion, McLean, and Livingston counties.

### PROGRESS

The year of 1949 was the largest year in the history of the cooperative, and from all indications 1950 will be a much larger year.

Mr. Brady spoke about the addition of new members on the lines, and the large amount of conversion work that is to be done during 1950. He also mentioned that 85 per cent of the oil circuit reclosures have been installed along the lines of the cooperative to insure continuity of service to the members.

Of the \$3,206,495 borrowed from REA since April, 1937, we have repaid \$701,624.66 of principal and

interest, including \$170,000 in advance of the dates due.

### ELECT DIRECTORS

The newly elected directors were: Clarence Grosenbach, Thawville, R. L. Stanford, Loda, president; Albert Gove, Gilman, Gerald Hodge, Milford, Carl Irving, Buckley, Secretary-treasurer; Wm. B. Lyon, Milford, A. B. Hirstein, Cullom, Wm. F. Ringler, Strawn, vice-president; Fred Bielfeldt, Anchor, Holly Ludwig, Collison, Ora Ross, Rossville.

W. B. Peterson, director of distribution of the Illinois Farm Supply Company of Chicago, was the principal speaker on the day's program and chose for his subject "The Farmer Today." He gave a very fine talk and injected a number of humorous quips throughout his talk. We have received favorable comments about Mr. Peterson's address.

The WLS Rangers from the radio station in Chicago played numbers throughout the meeting to entertain the members. They were very well received as they did a fine job.

The large number of door awards consisted of electrical appliances and were presented to members.

### CHANGE BY LAWS

One of the most important jobs that was done by the members at this meeting was the passage of two resolutions that changed the by-laws as follows: Formerly the cooperative charged \$5 for a membership and \$5 for a consumer's deposit commonly known as meter deposit, and the consumer's deposit was to be refunded when service was disconnected and all bills were paid. The membership could not be refunded.

Under the new amendment passed by the members, there will be a \$10 charge for membership fee and no consumer deposit, and the \$10 membership fee can be refunded when service has been discontinued and all bills are paid.

This also applies to people who have inactive memberships with the cooperative at the present time, and are not receiving electric service. The \$5 they originally paid for their membership can be refunded, but in all cases of a refund it will be necessary that they forward the certificate that has been issued to them.

Or, if the certificate has been lost, they should advise this office and we will send them an affidavit to sign. The same plan applies to consumer deposit receipts. Therefore, any person who has a membership certificate with our cooperative, and is not using the electric service on that certificate can receive the refund of \$5.

### MEMBER INFORMATION

You can find plenty of people who mistakenly think that our government is using the taxpayers money to give farmers electricity. There are propagandists who promote this mistaken belief for their own selfish interests.

We'd like to point out that Uncle Sam's "generosity" in this case is not costing a cent of the taxpayer's money. The loans which the Rural Electrification Administration makes to rural electric systems like ours have to be repaid—with interest.

Five years from the date we receive a loan, we have to begin repaying it. At the end of 35 years, we will have repaid about \$1.35 for every \$1 we get from the government.

Together with other rural electric systems, we have already repaid more money—in principal and interest—than was loaned during the entire five years before June 30, 1940.

Operating as a locally-owned, locally-controlled business, we have to run our system efficiently enough to meet all of our payments when they are due and at the same time carry out our objective... getting electricity to every farmer in our area who wants it.

**NEWS FROM  
Edgar Electric**

Paris, Illinois  
J. E. Hardy, Manager

Mailing address: 219 N. Main St.  
Telephone: 85  
Office hours: 8:00 a. m. to 5:00  
p. m. (Monday through  
Saturday)

In case of interrupted service  
at any time other than the regu-  
lar office hours, call one of the  
following numbers:

Clifton McConchie—2996, Ken-  
neth Childres—696X, Clayton  
Sprouls—1339, Lester Smittkamp  
—640J, Ben F. Stuck—579M.

February 23, has come and gone,  
and we wish to say we really ap-  
preciated the fine attendance you  
members gave to this meeting.

"Ole man winter" really put  
forth all his efforts and it began  
to look as though the employees  
would be the only ones attending  
the meeting, but the sun  
came out, the ice disappeared,  
and we had a very successful  
day.



J. E. Hardy

**REPORTS  
MEETING**

Our business  
meeting was

first on our program, followed by  
the election of directors for the  
ensuing year. During this interval  
music was furnished by Dolphe  
Hewitt, the new RCA Victor re-  
cording star heard over WLS. Mrs.  
Hewitt accompanied him later in  
his program.

The report of the election was  
given, electing the following as di-  
rectors for the ensuing year: Dean  
Watson, Clayton Perisho, C. E.  
Winans, Max White, Vern English,  
Roy Dickerson, and Zollie Marrs.

**INTRODUCES GUESTS**

Following this report, the awards  
were presented and REA officials  
and special guests were introduced.  
Your Illinois REA News reporter,  
Harold Marx, attended this meet-  
ing. Harry Bryson, representative  
of Graybar Electric Co., and Bert  
Austin, also a representative of  
Westinghouse Electric Co., were  
also present. The meeting then ad-  
journed.

The organization meeting was  
held after the adjournment,  
and the following officers were  
elected: Dean Watson, presi-  
dent; Clayton Perisho, vice-  
president, and C. E. Winans,  
secretary-treasurer.

Mr. Watson has served as a di-  
rector since 1943, and prior to his  
position as president he had served  
as vice-president.

Mr. Winans has been a director  
of the co-op since 1941, most of  
which has been as secretary-treas-  
urer.

Mr. Perisho was elected as a di-  
rector at the time the co-op was  
organized in 1938. He not only has  
been a director, since that time,  
but had been president of the  
board for a number of years.

**ATTENTION**

During the past several months,  
especially last month, we had four  
trucks running all over the area  
collecting unpaid light bills. It took  
these trucks four days to make the  
rounds.

This should not have been neces-  
sary as we have informed you  
through news letters from time to  
time that failure to receive a light  
bill does not excuse anyone.

This got so bad back in 1940,  
that the board of directors  
adopted a resolution stating  
that there would be a \$3.00  
charge for collection, discon-  
necting or connecting any  
member over a delinquent ac-  
count.

The bill collecting is a job that

no employee likes, but the em-  
ployee is only carrying out a rule  
adopted by the board of directors  
which was approved by the mem-  
bers attending the annual meeting  
in 1941.

**ADDED EXPENSE**

It is not fair to members who  
pay their bills on time for their  
co-op to spend money collecting  
from those who don't.

And supposing that everyone  
wanted to let their light bill go,  
what would the wholesale power  
supplier say to us if we couldn't  
pay the wholesale power bill and  
others which fall due every month.

If for some reason you are not  
able to pay your bills for one  
month, you should make arrange-  
ments with the office ahead of time  
and not wait until our men drive  
out to your place to collect it, be-  
cause that is expense the other  
members do not want to pay for.

Let's try and all remember to pay  
our bills by the 20th of the month,  
and in so doing, the employees  
will have a smile instead of a  
frown on their faces. By reading  
meters promptly, and paying bills  
as scheduled, it will cut down in  
the expense of operating your  
co-op.

**DELAYED MAIL**

This month, we have received  
several scribbled notes on our  
meter cards saying that they  
couldn't read their meter on the  
20th because they didn't receive  
their cards until after that date.

We sincerely hope that this  
doesn't occur again this month,  
but this was not our fault.  
During the coal strike, so many  
trains were taken off, thus  
causing the mail situation to  
become very slow and con-  
gested.

We hope this situation clears up  
before too long, but in the event  
your meter cards do not reach you  
by the 20th, you may either call  
or send your reading in on a postal  
card, and it will reach us in time  
for billing. Please give us your  
meter number along with your  
reading.

**NOTE**

We want to take this opportunity  
to thank our members for their  
cooperation, which was asked of  
them during the power emergency.  
Several of them came in asking  
just how they should cut down on  
their use of electricity, and said  
they would be glad to do all they  
could just so they wouldn't be cut  
off entirely. That is really a "co-  
operative spirit."

**NOTE**

J. E. Hardy, and the following  
directors: Clayton Perisho, C. E.  
Winans, and Max White attended  
the National REA Convention in  
Chicago. There were 4,520 regis-  
tered at the meeting.

**LETTERS**

We received another letter which  
we would like to print. We enjoy  
receiving these and wish more of  
you members would let us hear  
from you, or if you have any ideas,  
don't hesitate to let us hear them.

Marshall, Illinois  
March 7, 1950

Dear Sir:

We surely appreciate the elec-  
tric power and we also appreciate  
the way your linemen hustle right  
out to find the break when trouble  
arises.

We had considered buying an  
electric brooder, and we wondered  
if it would be practical since the  
line covers quite a lot of territory  
before it reaches us, storms are  
most prevalent now — during  
Spring and there is danger of dis-  
ruption in service.

We're sure you do not care to  
advise your customers just what  
to do in such cases, but we thought

you might have something to say  
concerning it in a general way.

Yours truly,

Mr. and Mrs. C. Hawker

**REPLY**

To Mr. and Mrs. C. E. Hawker:

We want to thank you for your  
very nice compliment in the way  
we handle outages, and we can as-  
sure you that outages that will  
occur from time to time will be  
handled in the same manner, as  
we believe that your electric serv-  
ice comes before other things.

As a part owner, we are  
working for you and other  
members. In regards to your  
using an electric brooder, it  
has been proven that an elec-  
tric brooder is the safest way  
to brood chickens.

We, the same as you know that  
the current will be interrupted at  
times, and most of these interrup-  
tions are beyond our control. Most  
of your interruptions have been  
caused by broken insulators, and  
the insulators were broken by in-  
dividuals.

Two-thirds of the insulators that  
have been broken have been done  
on the eastern side of Clark county,  
and in order to curb this mischief,  
we will have to ask the coopera-  
tion of the members.

Since there will be very little  
lines in Clark county being in-  
terrupted, I don't see why you  
could not use an electric brood-  
er since a lot of the neighbor-  
ing members are doing it.

It is very hard for the manager  
to answer your last paragraph,  
having never brooded chickens by  
an electric brooder. In order for  
us to get an answer to this ques-  
tion, I'm going to ask the question  
and answers will be published in  
the next Illinois REA News.

**QUESTION:** You members  
that are using electric brood-  
ers, will you kindly advise this  
office how you take care of  
your chicks when the current  
is off? Will you please write  
the office?

Again we want to thank you for  
your splendid letter.

Remember: Please read your  
meters promptly and mail back to  
us before the 25th of the month.

**Use Excess Pieces--**

(From Page Thirteen)

select another color in the de-  
sign for painting the frames.

**Large Picture**

Can you find a rather large  
one? Perhaps it's in the attic.—  
Or, if you're not so lucky, hunt  
inside any second-hand store.  
Replace the antiquated picture  
with a large motif. Finish it  
just as you did the smaller wall  
decorations. Attach handles to  
the sides. (The dime store car-  
ries a large selection of rain-  
bow plastic ones.) The result  
will be a lovely tray, either  
oval or square, as your taste  
dictates. Place it on the vanity  
and arrange your prettiest cos-  
metics on its surface.

The next time you plan to  
redecorate the bedroom don't  
stop with new spread and van-  
ity skirts. For any chamber  
that gets these deserves some  
"extras." You will find them  
all fun to make.

The first county dairy herd test-  
ing association in Illinois was or-  
ganized in McHenry county on  
October 1, 1910.

Because soils vary widely in their  
needs for plant food, a systematic  
test of every field should be made.

"The best way to kill time is to  
work it to death."

**NEWS FROM  
Tri-County  
Electric Co-op**

Mt. Vernon, Ill.  
H. G. Downey, Manager

The board of trustees at their  
March meeting selected Wednes-  
day, August 9 for the date of the



H. G. Downey

all-day 1950 an-  
nual meeting  
which will be  
held at the  
Marion County  
Fairgrounds in  
Salem.

Every cooper-  
ative, when an-  
nouncing the  
annual meeting  
of the members, stresses that the  
meeting is a meeting of the mem-  
bers and this meeting is really go-  
ing to be a "meeting of the mem-  
bers."

We received inspiration at  
some of our meetings on how  
to keep a cooperative organiza-  
tion alive and many of the  
things that we have been ab-  
sorbing along that line will be  
presented at the annual meet-  
ing.

Too many annual meeting no-  
tices have said, "This is your meet-  
ing," but you never have a chance  
to participate. You will have a  
chance to participate on August 9.  
The speaker of the day has not  
been announced. If you as a mem-  
ber do a good job of speaking we  
may not need another speaker.

Those attending and represent-  
ing this cooperative at the annual  
convention of the National Rural  
Electric Cooperative Association,  
held in Chicago, March 6 through  
the 9, were A. E. Drennan of Ina;  
Wm. Groennert of Nashville; Ray-  
mond Pitchford, Nashville; all be-  
ing trustees, and H. G. Downey,  
manager and Maurice DeWitt, at-  
torney. A good portion of the pro-  
gram was devoted to ways and  
means to promote group action of  
the members of the organization.

**COMPLIMENT**

We are sure that the majority of  
the members of this cooperative  
are really doing a swell job of read-  
ing this publication. We would like  
at this time to compliment the  
editor of the Illinois REA news on  
the new arrangement of the publi-  
cation.

It is now much easier to find  
what you are looking for and we  
are sure the members are glad to  
see the improvement in design.  
Every month we are receiving let-  
ters from the members regarding  
articles that appear in the News  
asking for additional information  
that they may desire to have.

**CONSTRUCTION**

Our construction record to new  
homes in this territory has been  
very disappointing for the first  
three months of this year. This  
has been largely occasioned by the  
lack of good construction weather.

It is very difficult to move heavy  
equipment over weak and poorly  
surfaced country roads during the  
Spring months when they are soft.  
The lack of frozen ground has been  
a severe handicap to the progress of  
our construction program.

The Marion county crew has  
been doing additional rephas-  
ing on the county farm road to  
improve service in Haines and  
Romine townships. The Jeff-  
erson county crew has been do-  
ing rephasing work from Wal-  
tonville to Nason to improve  
service in the Nason area in  
Elk Prairie township, Jefferson  
county.

Leo Revis, tree trimming fore-  
man, is busily engaged in improv-  
ing the tree situation in Washing-  
ton county. Those of you who have  
traveled state Route 15 recently  
will note that our lines are much  
clearer of trees. Many trees that

have been endangering our line are  
being removed by Chas. Swain and  
his crew, who are operating the  
power saw.

Our contractor, the Oil Field  
Electric Company of Carmi, will  
shut down operations on February  
1st because of bad weather, has  
returned to work as of March 20th  
and is in a position to complete  
the balance of line remaining in  
their contract in Jefferson county.

We are especially glad to an-  
nounce that the Rural Electricifi-  
cation Administration has approved  
an amendment to the existing con-  
tract with the Oil Field Electric  
Company to include another 3  
miles of line to be built by con-  
tract. Thirty-two miles of this line  
will be in Jefferson county and 3  
miles in Marion county.

Within a short time members of  
the cooperative, who are on the  
50 miles of line, will begin receiv-  
ing the Illinois REA News and we  
will keep them posted regarding  
developments on the additional  
mileage which we expect to have  
completed by the end of September.

**NEWS ITEMS**

Mr. and Mrs. J. W. Duncan who  
spent the Winter in Florida have  
returned to their home, which is  
located southeast of Mt. Vernon.  
Mr. and Mrs. Duncan, as the birds  
do, fly to Florida every Winter to  
avoid the cold and return in the  
Spring.

We note that many other birds  
have also returned to this area  
and we can tell everyone that we  
are ready for Spring. This Winter  
has been a very disagreeable one  
for the progress of an electric co-  
operative.

Mrs. Al Sandberg of Iuka, has  
provided us with hints on pie bak-  
ing. Her recommendations are as  
follows:

"When rolling out pie dough,  
sprinkle a little sugar on the  
dough and it will make it  
flakier. When making apple  
pies sprinkle a few drops of  
lemon juice over apples and  
mix them a little. It sure gives  
the pies a grand flavor."

We are always glad to have sug-  
gestions from members of the  
cooperative and will turn them into  
the Illinois REA News for publi-  
cation in our column.

**NEW EMPLOYEES**

Mrs. Juanita Dulgeroff joined  
our staff on January 27. Juanita  
has charge of our time records and  
job orders. Mrs. Nellie Poole enter-  
ed our employ on February 16. She  
is cashier in our Mt. Vernon office.

Mrs. Mildred Atkinson started  
working for Tri-County on March  
1. Mildred is the assistant book-  
keeper and has charge of inven-  
tory records.

Miss Myrtle Baltzell, our attrac-  
tive and energetic work order  
clerk, surprised us by becoming  
the bride of Earl I. Tanner on Feb-  
ruary 14. They were married quiet-  
ly in the Baptist Church in Har-  
risburg. Myrt made a very lovely  
Valentine bride.

Guy Standerfer, a member of  
our tree trimming crew, was injur-  
ed March 1 when he broke his arm  
between the shoulder and elbow.  
Guy was working in Washington  
county trimming trees. His safety  
line was attached to a limb when  
he slipped and the limb broke  
causing him to fall 35 feet to the  
ground. We are happy to state that  
Guy is getting along nicely.

Bill Keilbey of our engineering  
crew took part in an exceptional  
wedding on February 25, when  
Betty Dyer became the bride of  
Jerry Gott at Warm Springs founda-  
tion in Georgia.

**OPERATING STATISTICS**

	January 1949	January 1950
Miles energized	1,549	1,796
Rev. per mile	\$22.26	\$23.41
Connected		
Members	5,454	6,086
Density per mile	3.5	3.4
Average bill	\$6.32	\$6.91
Average kwh used	183	208
Kwh sold	999,236	1,268,861

# Farming News Notes

## CORN BORER

Research aimed at controlling the European corn borer, which is credited with damage amounting to \$58-million in Illinois last year, is being conducted throughout the winter at the University of Illinois. Loss due to this pest is expected to be more severe this summer because of the increasing number of borers wintering in Illinois.

The pest winters over in the larva stage in corn cobs, corn stalks and other debris. Farmers are urged to avoid early planting of their corn, to use resistant hybrids and sanitation measures by plowing under all crop residues, and to use insecticide this summer wherever necessary.

Because of the extent of the corn borer in the state, Illinois shippers of shelled corn and other farm commodities (these include: corn, broomcorn, sorghum, Sudan grass plants and all parts of many vegetables and flowers) are facing restrictions of corn borer quarantines in a number of western states.

## TREES

The Illinois Department of Conservation's division of forestry sold more trees to farmers last year than any other midwestern state organization with the exception of Wisconsin. Trees were purchased by farmers from 101 of the state's 102 counties.

Over five million trees were purchased during the year. The trees are used by farmers for homestead improvement, windbreaks, woodlot developments, wildlife habitats and erosion control.

Woodland developments and forestry management are constantly on the increase in the state as more and more marginal land is converted to profitable and valuable use.

## REA

Claude Wickard, REA Administrator, is reported as saying that the program to bring electricity to the nation's farms should be largely completed within four years. At the end of December, 1949, approximately 83 per cent of all American farms had electricity.

## FROZEN MILK

Plans for the manufacture of frozen milk which would have the exact taste and food content of fresh milk were revealed at the January Frozen Food Convention in Chicago.

Although it is still two or more years away from commercial development, the industry is confident that the milk, which would come in a six-ounce can like frozen orange juice, will eventually change the entire character of the dairy industry.

This development follows on the heels of the report that the frozen fruit juice industry is

the fastest growing food business in the United States today. Citrus fruit farmers are changing their practices to accommodate this new development.

## MEAT EATERS

Increased meat eating in this country is helping the government by taking some of the load off the price support program. In spite of talk to the contrary, the average American is eating more meat today than he did in the last five pre-war years. The same is true for chicken and vegetables.

## NO CULTIVATION

Cass county corn king, Curtis Logsdon, is reported as producing an average yield of 128.81 bushels per acre on about 150 acres of land. He did not plow his corn land last Summer, but sprayed it once with a weed killing solution.

## FROM USDA

The need for including more varieties of improved grass and legume seed in a project designed to increase foundation stocks for such seed, and the necessity for better machinery for harvesting and handling seed were recently listed as prime needs of the U. S. seed producing and marketing in a Washington meeting.

New chemicals that make plants toxic to insects for short periods are being tested by the USDA. These chemicals kill insects that suck the juices of treated plants. These "systemic poisons" should not be used by the public until tested further. Recent developments along this line has revived the idea of controlling insects by injecting or applying insecticides that will be taken into the plant tissues so that insects feeding on them will be killed.

Humus is most valuable to growing crops when it is breaking down—that is, when it is most active—say three research scientists at the USDA Plant Industry State at Beltsville, Maryland. Study of humus is closely related to the maintenance of soil organic matter—particularly on farms where few animals are kept.

The first REA telephone loan was announced on February 24, this year. A loan allocation of \$243.00 was made to the Florala Telephone Co., of Florala, Ala., for the improvement and expansion of rural telephone service in a three-county area in southern Alabama and northern Florida. The company is at present individually owned but will be incorporated under broadened ownership.

In his annual report to the President, Secretary of Agri-

culture Brannan said that farm earnings were considerably lower in 1949 than in the previous years despite near-record production. Prices dropped more than the expenses of farm production and the Secretary predicted the government would have to continue active price support operations on numerous farm commodities. Success of these operations, he said, would require action by farmers to balance their production with demand in some crops with the help of acreage allotments and marketing quotas.

## FROM U OF I

Drainage tile should be bought by pedigree just as livestock. Laboratory tests are available showing the strength, water absorption factor and other needed information. The tile should be less than six-months-old.

Castor beans and sunflowers are two new oil crops being tested for possible use in Illinois. The paint industry is biggest user of castor oil, although chemists say it has unlimited possibilities. Sunflower seed is high in protein and is digestible. It can be added as a meal or flour to bread or pastry flour to improve its food value.

## DID YOU KNOW?

More than 50 per cent of the entire American population derives its income from producing, processing, handling, transporting and distributing food.

Research has demonstrated quite definitely that the thickness of back fat on the hog carcass is a measure of the quality of hams, loins, shoulders, butts, bellies, and other important pork cuts.

Three million farm tractors now play an important role in the production and harvesting of the nation's farm crops.

## Rural Exchange

**Regular Rates**  
10 Cents Per Word  
Minimum Ad—\$2.00 For 20 Words or Less

The Illinois REA News goes into 91,000 farm homes in Illinois each month—actually over 325,000 readers, representing one of the most prosperous farm markets in the nation.

Advertisers are invited to use RURAL EXCHANGE, the new classified section of the Illinois REA News.

The rate is 10 cents per word with a minimum ad charge of \$2.00 for 20 words or less.

Payment must accompany your order. Make check or money order payable to Illinois REA News. Ad will be started in earliest possible issue.

A discount of 10% may be deducted on any order for six months; 15% may be deducted on 12 month orders.

Mail ad and remittance to RURAL EXCHANGE, Illinois REA News, Box 1180, Springfield Illinois.

# Something to Sell?

## Buy? or Swap?

Another Special Service For You!

### Co-op Members—

Have you something you want to buy or sell—poultry, livestock, equipment or special services? Have you a farm to sell, or are you looking for a farm to rent? Is there something in the attic, barr. or basement that you can't use that you want to swap?

Then the RURAL EXCHANGE section of your Illinois REA News can serve you! RURAL EXCHANGE was started as a service to you. For this reason, a special rate is available to you—50% off the regular rate of 10 cents per word. That means co-op folks can reach 325,000 other rural co-op people for only 5 cents per word.

It is necessary to set a minimum ad charge—\$1.00 for 20 words or less. You can use up to 20 words for \$1.00. For every word over 20, add 5 cents for each word. A 25 word advertisement, for example, would cost you \$1.25—or 40 words, \$2.00.

Let's make the RURAL EXCHANGE section of your Illinois REA News a market where the values are high! And, let's make it fun for the whole family, too!

Just write your proposition in the easy to follow form (below) and send it along to RURAL EXCHANGE, Illinois REA News, Box 1180, Springfield, Illinois.

Rates Below For  
CO-OP MEMBERS ONLY!

Tear Off and Mail Promptly

USE THIS HANDY FORM  
PLEASE PRINT CAREFULLY

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

Figure out the proposition you want to make, whether it is something you want to buy, sell or swap.

Write the words in the spaces above. If you fill all the spaces that will be 20 words. Price for 20 words (or less) is \$1.00 for each time you want your ad run.

If your message takes more than 20 words, add 5 cents for each additional word. Remember each initial or group of figures count as one word. (Don't forget to count your name and address in the ad).

Perhaps you will want your proposition to appear in more than one issue. If so, just multiply the total by the number of issues you wish to order (a \$1.00 ad for three issues would be \$3.00).

Fill in your name and address below, attach correct amount for ad and mail to RURAL EXCHANGE, Illinois REA News, Box 1180, Springfield, Ill. Your ad will appear in the earliest issue possible.

★ ★ ★ ★

Please publish above ad in RURAL EXCHANGE beginning with earliest possible issue. (Payment must accompany ad. If you send check or money order, make payable to Illinois REA News.)

YOUR NAME \_\_\_\_\_

YOUR ADDRESS \_\_\_\_\_

REA Co-op Member? \_\_\_\_\_ (Note: This Special Rate of 5 cents a word applies only to Illinois REA co-op members and their families. Non-REA co-op members rate, 10 cents a word, see information on Regular rate)

Tear Off and Mail Promptly

# RURAL EXCHANGE

## Reaching Over 325,000 Rural People Each Month

### ● Auctioneers

**COLCHESTER SALES** Association, Colchester, Illinois. Western Illinois Largest Livestock Auction. We specialize in handling good quality feeder cattle. Sale every Friday, J. Hughey Martin, owner and auctioneer. 8/7

### ● Auto, Truck & Equipment

**WANTED - ANTIQUE AUTOMOBILES.** 1895 to 1915. Gas, Steam, Electric. Museum of Antique Autos. Princeton, Mass. 8/2

### ● Building Supplies

**BUILD YOUR OWN Concrete Block Machine.** Easy, Inexpensive. Motor or hand. Maki block per minute. Write Clyde Lee, Mountain View 8, Oklahoma. 7/11

**FREE LAMINATED wood rafter catalog.** Get our low prices on barns, machine sheds, corn cribs. All-steel buildings also available. Tell us your needs. Before you buy, write, Steel-Bilt Structures, Inc., 1435 Regent Street, Madison 5, Wisconsin. 8/1

### ● Buyers

**HIGHEST CASH** paid for old, broken jewelry, gold teeth, watches, silverware, diamonds, spectacles. Free information. Satisfaction guaranteed. Government licensed. Rose Smelting Company 29-FA East Madison, Chicago, Illinois.

**SEND US WOOL** or woolen rags. Trade for woollens. Battings and blankets. Write for free circular. Litchfield Woolen Co., 303 Sibley Avenue N., Litchfield, Minnesota.

**WANTED: WHITE** turkey feathers and white quilts dry-picked. Highest price paid. Kadawer Bros., 31-33 Mercer St., New York City 13, New York. 8/3

**COTTON AND BURLAP** bags, we pay top market prices for clean, sound bags. Ship to Banner Bag Co., Minneapolis 11, Minnesota. 7/11

### ● Dairy Equipment

**MILK COOLERS**—The Twincool Aerator Milk Cooler, strains, cools and stores milk direct from cow over its stainless steel cooling surfaces. The aeration of milk to 50 degrees or lower instantly checks the growth of bacteria and allows the milk to be shipped immediately after milking. "Eliminate lifting those heavy 10 gallon cans by installing the cooler that's dry, fast and built to last." The Twincool's twin cold walls gives instantly cooled milk as demanded by today's modern dairy farmers in producing Grade A milk. Designed and manufactured by Richardson Manufacturing Company, Washington Park Gardens, Springfield, Illinois.

**I HAVE** a new Esco 6 can milk cooler with heavy duty 1/2 H.P. General Electric unit. Cost \$406.00, sell for \$310.00. It has never been used. Ed Kallal, Chesterfield, Illinois.

### ● Farms

**ALASKA FARMS** free - Homestead 160 acres. Farming, ranching, dairying. Unlimited opportunities. Details send \$1.00 Edward Wade, 6215 University, Chicago 37, Illinois.

### ● Farm Machinery & Equipment

**FOR SALE** No. 6 John Deere sheller mounted on 1948 Dodge Truck. Two ton Chrysler motor, deluxe cab and full heavy duty equipment. Purchased November 1948. Owner has quit farming, now living in California. William Knoll, RFD No. 1, Marseilles, Illinois. Phone Ottawa 2965-W1.

**FOR SALE** two row John Deere high speed planter on rubber. Small acreage always shedded. Reasonable. Otis Smith, Flora, Illinois.

**1946-12A JOHN DEERE** Combine, pick-up, new canvases, belts, overhauled in A-1 condition. \$675.00. Ray Lubben, R. 3, Watseka, Illinois.

**DISSTON CHAIN** saw prices slashed \$100: parts and service; good used saws; write for folder No. R. St. Louis Sport Sales 2904 Olive, St. Louis, Mo., LU-7100.

**TRACTOR PARTS,** new and used. Write for our lowest prices. Satisfaction guaranteed. Used Tractor & Parts Co., La-Crosse, Wisconsin.

**BOOMS WAGON** Unloaders have anchored hook-up, two speeds, steel gears and castings, heavy duty double tube roller units. Send for free literature and dealers name. Booms Silo Co., Harbor Beach, Michigan. 8/9

**STANDBY LIGHT** plants: Have a unit available in case of power failure. 1500 watt Homelite new \$195.00, 3000 watt Onan rebuilt \$275.00. Send for complete list. Harris Machinery Co., Minneapolis, Minn.

**For Rates . . . Co-op & Regular See Page 23**

**HUS-KEE TRACTOR** tool boxes. Large size for big tools, heavy steel. Order from dealer or write Metal Box Co., Valparaiso, Indiana.

**2-ROW OLIVER T-44** planter. A-1 shape 120 rds. wire \$50.00. Joe E. Bauer, Cissna Park, Illinois.

**SWEET FEED** farm mill hammermills run with v-belts from your power take-off on either Ford or Ferguson tractor. Grind and mix your own feed with molasses. H. L. Myers sales and service. Alliance Ohio. Phone 7044.

**OLIVER FARM EQUIPMENT** GMC TRUCKS & SERVICE Seeds, inoculation, Fertilizers, Sprayers, Spray Chemicals, Ladders, Pole & Hand Pruners Disston Chain Saws & Everything for the Farm ADAMS COUNTY SHIPPERS ASS'N 209 North 12th Street Quincy Illinois

**PARTS FOR** machinery or anything on the farm. Is it idle for need of a repair part? Will tell you where to get it. Send trade name of machine and \$1.00. Will charge 25c handling if no parts available in United States. Sales, Box R41, Brighton, Illinois.

**T. H. JOHNSON & SON**—McCormick-Deering farm equipment. See our complete line of appliances. Route 29 West, Taylorville, Ill. 8/2

**FOR SALE:** McCormick-Deering 15-30 tractor on rubber, power take-off. Harold M. Imel, Rt. 2, Chadwick, Illinois.

### ● Food Freezers

**FOOD FREEZERS** for less when you buy direct from factory. Get more for your money—direct from manufacturer to you. Save up to \$275.00. Sturdily built and finished in DuPont Deluxe baked-on enamel. Five inch fiberglass insulation. All units carry five year warranty. Price f.o.b. factory (uncratered) 15 cubic ft. \$254.75; 22 cubic ft. \$320.00. These modern streamlined freezers can be seen in production at the factory to convince you of their superior quality and construction. "Satisfaction guaranteed or your money back." Richardson Manufacturing Company, Washington Park Gardens, Springfield, Illinois.

### ● Fowl

**GUINEAS**—BABY keets, pairs and eggs, truly delicious eating. Good watchdogs. Write now for free circular. Knoll's Guinea Ranch, Holland, Michigan.

**PEAFOWL, SWANS, Pheasants** Guineas, Ducks, Geese, Thirty Varieties Pigeons, Bantams, Breeding Stock, Eggs. Free Circular. John Hass, Bettendorf Iowa. 8/2

**EXHIBITION** White guineas, pair \$5.00. Prize-winning light Brahma Bantams, pairs. \$7.50; \$9.75. Registered stock Angora rabbits. \$5.00. Selma Wafflard, Highland, Illinois 7/9

### ● Fruit Trees

**FRUIT AND nut** trees: Over 700 varieties of peaches; plums; pears; nectarines; almonds; filberts; cherries; walnuts; apricots; roses; blueberries; berry plants of all kinds; shrubs; flowering and shade trees, etc. Free 48 page catalog. Tuslatin Valley Nurseries, Route 3, Sherwood, Oregon.

**LARGE BEARING** age three and four year apple and peach trees! Regular price \$3.50 each—special price during this sale —\$1.75 each: ten trees—\$1.50 each. Varieties of apple: Jonathan, Red and Yellow Delicious, Transparent; Peach: Elberta, Hale, Diamond King Cherry, Pear, plum 50c higher than apple and peach. Return this ad with order and receive two bearing age dwarf cherry free. Send for price list. Egyptian Nursery Co., Desk FP Farina, Illinois. 7/11

**FREE CATALOGUE.** Grow your own fruit for pleasure and profit. Our inexpensive ornamental shrubs add beauty and value to your home. We grow thousands of fruit trees, shade trees, evergreens, roses, shrubs, berries. Quality Nursery stock, 44 years serving planters. Columbia & Okanogan Nursery Co., Wenatchee, Washington - Washington's oldest - largest nursery.

### ● Hunting Dogs

**FOR SALE**—Dogs of the hunting breeds. For: Coon \$25.00; Combination \$20.00; Semi-silent \$20.00; Squirrel \$15.00; Fox \$25.00; Rabbit \$15.00. Ten days trial. Write for literature containing terms of sale. J. N. Ryan Kennel, Murray, Kentucky. 7/10

### ● Livestock

**FOR SALE:** Top quality purebred Hampshire boars, from big litters, vi. 17-24-1. Payne & Carthers, South edge of Table Grove, Illinois. 7/11

**GRADE AND** purebred Holstein and Guernsey calves. Bred for production and show ring competition. Cavey Farm, Elkhorn, Wisconsin.

**FOR SALE,** registered red poll bulls and heifers, two cows with heifer calves, cows bred. Walter Miller, Farina, Illinois.

**REGISTERED MILKING** shorthorn bulls yearlings down. Tested. Ready to go \$75.00 to \$250.00. Particulars on request. Vernon Hummel, Chatsworth, Illinois. Phone 97F-2-2.

**FOR SALE** registered spotted Poland China boars good breeding. Pana, Illinois R. 2, Phone 3544 Roy M. Tuetken.

**FOR SALE** Durocs and Polled Herefords, breeding animals. Mile West Farms, Farmer City, Illinois. Donald C. Rueger.

**YORKSHIRE BRED** gilts and boars. Registered and double immune. English and Canadian type. John Reiser, Jr., Pleasant Plains, Illinois. Phone, Ashland 83-70.

**REGISTERED JERSEY** bull calves. Sire 5-star bull, very good and excellent dams. Also 6-year old bull. Leslie Miles, Lawrenceville, Illinois.

**FOR SALE:** Registered Berkshire boars, serviceable age and bred gilts. Visitors always welcome. Black-Diamond Stock Farm, Marion L. Schuppach, Sparta, Ill.

**FOR SALE:** Karakul sheep registered breeding stock, all ages, weaning lambs, \$25. Dressed Persian Lamb fur for trim and tailoring. Marvin Wilson, Argenta, Ill. 7/11

**SHROPSHIRE AND OXFORD** registered ewes as low as forty dollars. These ewes are type and young. Lakefield Farms, Clarkstown, Michigan. 8/2

**DAIRYMEN - BEFORE** purchasing, see our selection of Holstein and Guernsey cows and heifers. R. H. Walter Lannon, Wisconsin. 8/3

**BARNARD STOCK Farms** on U. S. 45, Gelf, Illinois. Phone 40R3. Registered Polled Hereford cattle and spotted Poland Hogs. Stocker and dairy cattle for sale at all times 8/9

**FOR SALE**—A few real good registered Polled Hereford bred and open heifers. The Karraker Farms, Dongola, Illinois. 7/10

**SHORTHORNS** FOR sale. Twelve dark colored blocky bull and heifer calves. Sired by deep bodied bulls. From five to eight months old. Ready to go at seven months old. Glad to show you. Clint Logan, Louisville, Illinois, Clay County. 7/11

**REGISTERED OIC** boars open and bred gilts. Booking orders for spring pigs either sex or unrelated pairs from oldest and top winning herd in State of Illinois. Write or phone 369J3. Griffith OIC Farms, Greenville, Illinois. 7/11

**OIC FALL BOARS** and Gilts ready for shipment. Purple and Blue Ribbons. Breeding, Double Treated. Hatcher Bros., Crossville, Illinois. 7/10

**FOR SALE** brown Swiss bull calves from good producing dams. All are registered. Write for prices. Russell Barr, Dix, Illinois. 7/12

**REGISTERED POLLED** shorthorn cows, heifers and bulls for sale at all times. Calves sired by Lynnwood Baron, W. O. Pinkstaff, Pinkstaff, Illinois. 7/12

### ● Miscellaneous

**LAMPS**—YOU can electrify oil lamps, vases, bottles. Simple directions in our illustrated catalog. 25c. Gyro Lamps. 5402 Clark, Chicago 40, Illinois. 8/3

**FINE EMDEN,** Toulouse goose eggs for sale from excellent breeding stock. Place orders now, M. D. Cramer, Rt. 1, Payson, Illinois. 7/11

**LONELY?** Join a hobby club. Make friends. Further your collections. Sell Handiwork Swap column free. Write: Alma's Colfax 1, Illinois. 8/2

**PIONEER MUSIC** of the Ozarks. Old time, waltzes, square dances, polkas, etc. Arranged for piano. Book of 23 pieces, price \$1.00 postpaid. L. J. Fink, Union, Missouri. 7/11

**FOR SALE:** Complete line of guns, new & used—Browning, Remington & Savage shot guns; 22 cal. Target pistols & rifles. Also complete line of Mercury outboard motors and boats—Aluma Craft, Feather Craft, Arrow Craft, Reynolds Aluminum, Star Metal and Stainless Steel—Boat trailers and Diston Chain saws. Frank Hanseman, 1/2 mile north of foundry, End of North Beech Street Road Centralia, Illinois. Phone 1220. 7/11

**COWBOY BOOTS** - Highgrade, fancy, handmade, western style, made your measurements. Men, women, children. Crichton Boot Company, El Paso, 38, Texas.

**LEARN PROFESSIONAL** candy making, also marketing system. Complete course \$6.00. Profitable business from home. Details 10c. Philip Pate, Kissimmee 7, Florida.

**STAINLESS STEEL** sauce pans, percolators, pressure cookers, tea kettles, cookie sheets, oven roasters, 24 piece flat-ware. \$5.95. Bowls, H. Major, 71 Milford, Springfield, Mass.

**MINK AND** bred females. Almost all types. Unconditionally guaranteed. Complete literature and pen plans free. Lake Superior Mink Farm, Superior, E. E. Wisconsin.

**DECORATE DISCARDED** furniture and tinware for home or profit. Home workshop in decoration. Free details. The Stewarts, R-7, Bridgewater, Massachusetts

**FARMERS**—Get your Winter's supply of salt herring now. 60 pound tub \$4.80; 25 pound pail, \$2.40 F.O.B. Lubec, Sherman Denbow Fisheries, Inc., Lubec, Maine. 7/11

**REFLECTIVE MAILBOX** name plate 3" x 18". Name on both sides, visible day or night. \$3.75. Print name desired. Nite-Lite Sign Co., 929 W. Broadway, Minneapolis 11, Minnesota. 8/3

**HAND-PAINTED** ties painted to order with cows, horses, etc. Describe design wanted painted. Each \$5.00. Wally Schulz, Elkhorn, Wisconsin.

**WINGWAX!** IT'S new! It's different! Push button wax from a pressure can. Enough for many times over your furniture or several times on your car. Spray it on. Wipe it off. No elbow grease. You will love it! Try a can. Postpaid. Satisfaction guaranteed. Send \$1.49 to Sales, Box R41, Brighton, Illinois.

**SEND WOOL** direct to factory for fine blankets, robes, saddle blankets. Free Main, Eldorado, Texas.

**RAISE HIGHLY** profitable angora rabbits backyard easy way. Multiply fast. Wool brings top price. Details free. White's Rabbitry, Newark 20, Ohio. 7/11

**FUN FOR** the whole family! Collect stamps from every country. Absorbing, instructive, entertaining. Profitable too! Send \$1.00 for stamps, album, complete outfit and instructions. Satisfaction guaranteed. E. W. Byers, Box 157, Rosiclare, Illinois.

**LAMPS**—WHOLESALE or retail. Floor bridge and table lamps. All styles, all colors. Very reasonably priced. Gross Lamp Co., Route 161, Bartleso, Illinois.

**WOOL CARDING,** new and used. Woolen merchandise exchanged for wool—batts, robes, blankets, jackets, shirts. Write for catalogue. Litchfield Woolen Mills, Litchfield, Minn.

**FOR SALE** nice woven rugs. Custom weaving or come and weave your own. Lilah Butler, Illiopolis, Illinois.

**SAVE MONEY** Buy direct. Beautiful gifts and homemakers items. Folder free. Able Metalmakers, 126P Lafayette Street, New York 13, N. Y. 8/3

**BURGLAR-PROOF** your door locks with Ke-Gard. They can't be picked. Guaranteed Satisfaction. Postpaid 25c each. Gene Williams, Utica, Illinois. 7/10

### ● Pets

**YOUNG, AUSTRALIAN** Shepherds ready for training. Make excellent work dogs—very intelligent and hardy. T. Greig, Rt. 4, Porterville, Calif.

**FOR SALE:** Pomeranian puppies, at all times. Ideal pets, reasonable. Also, registered Berkshire fall boars. McCutchan's Pomland Kennels, Plymouth, Illinois.

**GENUINE ENGLISH** Shepherd puppies: guaranteed heblers, watch dogs, make real companions. Russel Wahl, Rockport, Ind. 8/2

**IRISH SETTER** pups 7 months litter registered in AKC, right age to train to hunt. Georgia Stebbins, Chatsworth, Ill.

**REGISTERED SCOTCH** collies, also English shepherd and collie puppies. Faithful workers for every farm. Zimmerman's Collies, Flanagan, Illinois. 7/11

**HAMSTERS** FOR pets or profit, easily raised. Great demand for laboratory use. Write Charles Clark, Brookport, Illinois. Route 1.

### ● Plants

**RHODODENDRON (CAROLINIANUM)** Kalmia, Rhododendron (maximum) Hemlock, Native azaleas. Heavily rooted. Spg. moss packed. Assorted as desired. 3-4 ft. 100 \$26.50; Dozen \$5.50; prepaid. Nature's Greenhouse, Tallulah Falls, Georgia.

**CERTIFIED STRAWBERRY** plants. Blakemore, Klondyke \$4.00, Tenn. Beauty, Tenn. Shipper \$4.50. Everbearing \$6.50. All per 1000. Edgar Howard, Harrison, Tenn.

**YOU CAN** now grow hardy California type table and wine grapes—disease-resistant, high production, fine quality—many varieties without trellising. Schroeder Vineyard, Hutchinson, Kansas.

**BEAUTIFY** THAT lake, pond or slough permanently with waterlilies. Beginning blooming May. 1000 roots \$150.00; 100, \$25.00; 3 different \$1.25. Missouri Water Gardens, Stover, Missouri.

**100 BLAKEMORE** strawberry plants, \$1.00. 4 tulip trees, \$1.00. 4 vanhoutti spirea \$1.00. 10 bush honeysuckle, \$1.00. 2 white dogwood, \$1.00. 10 chrysanthemums, mixed, \$1.00. 10 polly or champion peach trees, \$1.00. 10 lombardy poplar 5 ft., \$2.00; 6 to 8 ft. \$5.00. Fonzler Nursery, Rolla, Missouri. 7/11

**CERTIFIED STRAWBERRY** plants - Blakemore Dunlap, 100, \$1.00; 1000, \$7.50; discount order 5000 F.O.B. Anna Truman Corzine, Anna, Rt. 1, Illinois. 7/11

**STRAWBERRY PLANTS,** Blakemore Dunlap, Aroma, \$1.20, 100; Premier, Dorsett, Catskill, \$1.50, 100; Asparagus, 50¢, \$1.50; Rhubarb, \$2. \$2.00; Gooseberries, 2, \$1.00; Sage plants, 50c; Hoseradish, 10, 60c; Prices postpaid. Cavanaugh Nursery, Jonesboro, Illinois. 7/11

**STRAWBERRY PLANTS,** Very best quality Tenn. Beauty and Blakemore young well rooted. Double inspected and certified. 1000 lots and up \$4.50 per 1000 Express f.o.b. here. Get our prices on other varieties including best everbearing. W. L. Scoggins, Harrison, Tenn.

**STRAWBERRIES:** Blakemores; Klondykes; Aromas; Temples, 125, \$1.00, 1,000. \$5.00. Everbearing; Streamliners; Gems, 50, \$1.00. Boysenberries; Thornless; Cumberland Black Raspberries, 6c. A. J. Simmons, Mountaintop, Ark. 7/9

**STRAWBERRY PLANTS:** Certified well-rooted Blakemore, Dunlap, Klondyke 100 \$1.50; 1,000 \$6.00. Tenn. Beauty, Shipper 100—\$2.00; 1,000—\$8.50. Chattanooga Plant Farm, 802 No. Chamberlain Avenue, Chattanooga, Tennessee.

**STRAWBERRY PLANTS** CERTIFIED. Grown on new land, excellent roots, large crowns true-to-name, moss packed. Guaranteed to arrive in good growing condition. Plants you can depend on. Missionary Blakemore, Klondyke, Klondyke. Postage paid 100, \$1.25; 250 \$2.25; 500 \$4.25. Express collect. 1,000, \$6.00; 5,000, \$27.50. 10,000 \$50.00. Tenn. Shipper, Tenn. Beauty, Robinson, Premier. Postage paid, 100, \$1.50; 250, \$3.00; 500, \$5.00. Express collect. 1,000, \$8.00; 5,000 \$37.50; 10,000, \$70.00 Plants ready Order now We will ship date you specify. Romines Plant Farm, Dayton, Tenn. 7/10

### ● Poultry

**BABY CHICKS:** Straight run \$12.95, New Hamp cockrels \$6.95, light breed cockrels \$2.25 per hundred. Brockmeier Hatchery, Eldersville, Illinois.

**WHAT IS GOOD** for the rooster is good for the hen: Powder kills lice and mites instantly . . . your poultry gets treatment each day the automatic way with Pearson's Poultry Powder in plastic containers. Made egg-shape in two halves with small holes so that air can pass through. Just fill with powder and slip together, place one in each nest. Fumes of powder saturate through the feathers and the heat of the body kills lice and mites. Refill once a year Your poultry is always free of lice and mites. Great increase in egg production. We will send 12 plastic eggs with a box of powder for \$2.00 plus postage and C.O.D. charges or 6 plastic eggs and a box of powder for \$1.25 plus postage and C. O. D. charges or if you prefer send cash and we pay the postage. Our guarantee: use 30 days if hens are not free of lice and mites your money refunded. Once used always used. Pearson, Son & Co. Box 647, Ridgefarm, Illinois. 8/2

**RHODES CHICKS,** U. S. approved pullorum passed. Twenty breeds including Anconas, Dark Cornish. Free catalog. Rhodes Hatchery, Spencer, West Virginia. 7/11

**SCHAFFER CHICKS,** excellent breeding background. Bred for meat and eggs. Good livability; priced right. All popular breeds Write today for colorful literature and prices. Schaffer Hatchery, 221 North 1st St., Springfield, Illinois, or P. O. Box 75. 7/10

**SCOTT HAYES** can supply you chicks as low as \$3.90 per 110. Send this ad to any of the towns listed and learn how to get good chicks.

**SCOTT HAYES HATCHERY** Bloomington, Vandalia, Centralia Ill. 7/12

**QUALITY POULTS,** Five varieties. Send postcard now for folder and low prices. Do it today. Wolford's Turkeys, B7, Spencerville, Ohio. 8/2

**BUY VANTRESS** Cross Chicks for specialized meat production. We are an approved hatchery to produce this national champion meat cross in Pennsylvania. Make your plans now for early delivery dates. Write Ralph Bolton, Schaeffertown, B1, Pennsylvania.

**SPECIAL OFFER!** Big broiler chicks, excellent for fryers, roasters, \$2.95-100. Quick COD shipments. 100% live delivery guaranteed. Rauch Chicks, Kleinfeltersville 21, Pennsylvania. 7/11

### ● Publications

**SIXTY WHOLESOME,** interesting bedtime stories your children will love. Three 96 page, paper bound, illustrated books for \$1.00. Ye Book Shoppe, Box 132, Glendale 6 California.

**POULTRYMEN!** THE handiest poultry handbook ever published. 122 pages with 277 useful ideas \$1.00 postpaid. Book Division, Valley Feed Supply, Spring Valley, New York.

**SEND \$2.75** for trial year's subscription to America's oldest ethical health journal approved by American Medical Association. Lynn Olds, Sparta, Illinois.

### ● Seeds

**SEED, SWEET** potatoes, (short crop), offered at a saving price. "Write," Nancy Hall, Portorican and Jersey. L. W. Kaufman, Dongola, Ill.

**LESPEDEZA,** per 100 lbs. \$6.00; Fancy alfalfa, \$45.00; Sweet clover \$24.00. Everything in seeds. Samples and catalog free. Hayes Seed House, Topeka, Kansas. 7/11

### ● Sellers

**PORTABLE ELECTRIC** steam radiator, with thermostat. Excellent for spare room or shop. New, at used price. G. H. Valentine, Bristol, Illinois.

**FOR SALE** Decker adjustable hospital bed like new, packing barrels, double bed, springs. Mrs. Emma Whiteford, R. R. 1, Bloomington, Illinois.

**CONCRETE SEPTIC** tanks delivered and installed. Box 143. Raymond Tile Co., Raymond, Illinois 8/3

**FOR SALE**—Garage and Farm Supply business, located Central Illinois. Will sell building, equipment and stock. Also good location for car and tractor dealer. Contact Griffith Bros. Waggoner, Illinois. 7/10

**FOR SALE** shallow well electric water pump, 30 gallon hot water tank. Man's war model bike. Five foot sink cabinet. Trade good cornet for 22 rifle. Harry Lee, Karnak, Illinois.

**FOR SALE:** 15,000 items, government surplus—hand tools, picks, shovels, mattocks, pipe and fittings, tool boxes, electric fence wire, electric motors, gasoline engines (any size), fire extinguishers; insecticide, black, red lusterless paint, 1.50 gal, bunk beds, floodlights for barn yards, two-wheeled trailers, \$60.00, trucks, new and used tires, G. I. truck parts. One new John Deere Combine with motor. U. S. Surplus Store, 50 Highway West, Salem, Illinois. 7/12

### ● Services

**WATER WELL** drilling, pumps, pipe and water systems. L. W. Gwin, Percy, Illinois. 8/3

**PERSONALIZED STATIONERY,** cards, invitations. Photo stamps from any photo or negative, gummed, perforated, stamp size. 100, \$1.50. Pluto, Crooksville, Ohio.

**EXPERIENCED WEAVER** wants custom weaving of rag rugs. Mrs. Gerhard Taute, 6 miles north, 1 1/2 miles west Camp Point, Illinois.

**TREASURE YOUR** wool, by having it made into beautiful blankets, coverlets, comfort batting. Write McKay Woolen Mills, New Bremen, Ohio. 7/10

**PRINTED STATIONERY** - 100 sheets good writing paper 5 1/2 x 8 1/2 inches and 100 envelopes to match, all neatly printed with your name and address, \$2.00, postpaid. Thacker Printing Co., Vienna, Illinois 7/11

**FURNITURE, REUPHOLSTERING,** cleaning, repairing, refinishing. Work guaranteed Near High School, Phone 463X, 729L, John J. Busch, 1622 N. Jefferson, Litchfield, Illinois.

**RUBBER STAMP** (ink pad included) for printing your name and address on stationery, checks, etc. \$1.00 postpaid. Thacker Printing Co., Vienna, Illinois.

### ● Sewing

**SEW WITH SATISFACTION.** Use Knight brand thread: 600 yards, 25 cents: White, Black, House of Jan Dept. 4, Gretton, Connecticut. 8/