

ILLINOIS R^{EA} NEWS

The Voice of 58,000 Members

VOL. 3. NO. 4.

AUGUST 20, 1945

SIXTEEN PAGES

Rapid Progress Predicted As REA Enters Post-War Period

Record Loan Fund Given REA

William Neal Gives Main Address at Fourth Annual State Meeting

Illinois REA News Makes Good On Pledge; All Obligations Are Paid

Plan Dividend; Gains \$400 Monthly; Has Cash Reserve

The Illinois REA News has justified the faith placed in it and has fulfilled its pledge made to leaders of the Association of Illinois Electric Cooperatives before the first issue went to press slightly more than two years ago.

Included in that pledge were these conditions: The state-wide publication would in two years time pay off all financial obligations incurred; would own the mailing and photographic equipment used in distributing and preparing material for publication; would have on hand a substantial cash balance; would be paying a satisfactory monthly net which would assure payment of magazine refund dividends to subscribing cooperatives in 1946.

ALL OF THESE GOALS HAVE BEEN REALIZED. THE ILLINOIS REA NEWS IS NOW AVERAGING NET GAINS OF APPROXIMATELY \$400 PER MONTH. AS OF AUGUST 1 IT HAD TO ITS CREDIT ABOUT \$500 AND ALL OF ITS FINANCIAL OBLIGATIONS WERE PAID.

Its circulation has grown from 200 to more than 28,000; its number of subscribing cooperatives from three to fourteen; its size from twelve to sixteen pages.

As of June 30, its revenue for a six-month period totaled \$8,272.95. The publication's gross operating profit for the period from January 1 of this year to June 30 amounted to \$2,439.61. From this operating profit, the Illinois REA News paid off its \$1,194.45 operating deficit and the \$1,145.56 incurred in the purchase of its mailing and photographic equipment, leaving the publication's financial status \$99.60 IN THE BLACK as of June 30, 1945.

The rapid retirement of all finan-

cial obligations has been made possible this year because the publication has been operating on a net gain basis for approximately the last twelve months.

The Future

With the publication on a sound financial basis now, the future of the Illinois REA News is assured and the way is open for post-war improvements and expansion of the publication as subscribing cooperatives desire.
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NAME NEW MEN'S EDITOR TO SUCCEED RUSSELL GINGLES

A. D. Mueller, editor-manager of the *Chronicle* of West Orange, N. J., has been named editor of the Illinois REA News to succeed Russell Gingles. Mr. Gingles resigned to join the senior staff of the National Electrical Manufacturers Association in New York City.

Mr. Mueller resided in Illinois many years ago. He formerly worked for the *Carbondale Herald*, the United States Department of Agriculture, the Department on Interior and a large implement manufacturing concern. He has also been writing a number of articles for leading farm journals. He comes to Illinois with a wide knowledge of agriculture and is well qualified to carry on the duties as editor of the REA News.

ALLOCATE AGENCY 200 MILLION FOR RURAL LINE WORK

The Rural Electrification Administration and its hundreds of REA cooperatives throughout the nation have won their fight for sufficient loan funds to meet current and immediate future line construction costs.

Striking back after a disheartening slash in a proposed deficiency appropriation, rural electrification leaders, headed by Congressman Jed Johnson of Oklahoma, have succeeded in gaining Congressional approval for the largest total allocation of federal loan funds ever granted REA for a single 12-month period.

In consequence of this prolonged battle, REA now has available \$200,000,000 for rural electrification loans for the current fiscal year—\$60,000,000 more than was ever before approved for REA in any one fiscal year since organization of the agency. The previous high loan mark was in 1939 when \$140,000,000 was allocated.

Added to this huge sum now available is approximately \$100,000,000 in REA's backlog of funds, approved in previous years but not yet entirely disbursed.

With sufficient funds available for the biggest REA expansion boom in history, cooperative leaders are bending every effort to procure the line materials, poles and manpower needed to do the job. Until more men are released from armed services, and electrical supply factories returned to normal peace-time production, con-
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Main Speaker



WILLIAM J. NEAL

Says Area Coverage Is Aim of Agency; Must Work With Speed

Looking forward to the time when rural America will be completely served with electricity, William J. Neal, Deputy REA Administrator, told delegates to the fourth annual convention of the Association of Illinois Electric Cooperatives last Friday in Springfield that "speed and action is necessary" and reminded them that what is done in the next few weeks is vital to the success of the entire area coverage program.

Mr. Neal declared that funds loaned through the Rural Electrification Administration will, in the near future, bring central station service to 1,300,000 farms and that the REA cooperatives and private utilities together can serve 3,600,000 currently unelectrified rural consumers in the next five years.

He warned rural electrification leaders to be on their guard against instances of cream-skimming activities and to fight the construction of so-called spite lines which may be erected by unenlightened private power interests which still consider "the REA program a threat to private enterprise and who may attempt to thwart the rural electrification program."

The 5½ million still unserved farmers are "not going to be satisfied until they get power service as rapidly as possible," Mr. Neal declared, adding that there no longer is any job "selling electricity to rural consumers or inducing individuals to become members of REA cooperatives." He stated that if plans of REA leaders materialize in bringing service to the hundreds of thousands of un-served rural establishments on an area coverage basis that the task of truly lighting up rural America will be 85 or 90 percent completed in the next 5-year period.

Need Cooperation

The job ahead, he said, depends largely on the availability of materials, a cooperative attitude of courts and power commissions and a willingness on the part of private power concerns to see that the area coverage program is given an opportunity to succeed. If REA cooperatives are thwarted in these matters, the task, he said, may be delayed and the
(Turn to Page Sixteen)

NEW OFFICERS ARE NAMED AT STATE MEETING

ROBERT SCHWEICKHART IS CHOSEN PRESIDENT TO SUCCEED WELSH

Robert Schweickhart of Dow, representative of M.J.M. Electric cooperative of Carlinville, was elected president of the Association of Illinois Electric Cooperatives to succeed G. Wayne Welsh of Sciota at a special organization meeting of the
(Turn to Page Eleven)

New Illinois REA Board Members Take Office



Shown above are members of the newly elected board of directors of the Association of Illinois Electric Cooperatives. In the front row, left to right, are E. Clyde Lewis, secretary-treasurer; G. Wayne Welsh, retiring president; Robert Schweickhart, newly elected president; Everett R. Read, newly named vice president. Back row, left to right, are Vincent Albarts, R. L. Standord, J. Wess Barth, and Norman McCoy.

F. A. Tannahill Dies of Heart Attack at Home

F. A. Tannahill, manager of Wayne-White Counties Electric cooperative, died Thursday morning of a heart attack at his home in Fairfield. He suffered a lesser attack July 29 and was taken to Mt. Vernon hospital returning home three days later. He was conversing with his doctor after an examination when the fatal attack occurred.

Mr. Tannahill led Wayne-White cooperative to one of the top REA cooperatives in the nation and to a place where it was second in membership in Illinois.

Funeral services were held at Fairfield on Tuesday of this week.

Howard Leonard Ill; Delay Plans For REA Group

Howard Leonard, state director of the Illinois department of agriculture, underwent a major operation recently at a Chicago hospital. He had been ill at his home at the state fair-ground for three weeks before being admitted to the hospital on July 19.

Because of Mr. Leonard's illness plans for naming a secretary and staff for the reactivated state rural electrification committee have necessarily been postponed.

Editorial Page

Illinois REA News

Published Monthly for the Association of Illinois Electric Cooperatives by Wisconsin Electric Cooperative of Madison Wisconsin.

RUSSELL J. GINGLES, Editor

REVIEW COMMITTEE

G. Wayne Welsh, Sciota, Illinois
A. E. Becker, Petersburg, Illinois
Floyd L. Ruble, Elizabeth, Illinois
J. Wesley Barth, Enterprise

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Friends Speak

A friend of the farmer is a friend of the rural electrification movement. This statement is demonstrated again and again whenever legislation is asked to provide additional money to be allocated for REA loan funds.

Such was the case recently when Congressman Jed Johnson of Oklahoma asked that the House adopt an amendment to the Second Deficiency Appropriation increasing REA loan funds from \$50,000,000 to \$120,000,000. This was done only after Congressman Johnson and other friends of REA in Congress brought to the attention of their colleagues the value of the rural electrification movement and told them the need for additional money to permit the REA cooperatives sufficient funds to carry on their present contemplated extensive area coverage building program.

In defending his amendment boosting REA loan funds, Congressman Johnson said:

"Within the next few weeks and months there will be an avalanche of applications from all or practically all of the 800 co-ops for hundreds of thousands of miles of extensions. If this unreasonable cut in funds should stand, a vast majority of those applications will be denied."

Other congressmen joined him in his successful fight. Among those supporting the amendment and gists of what they said follow:

Congressman John Rankin of Mississippi: "It is a loan and not an expenditure. This is one of very few appropriations made wherein every dollar is repaid with interest. Not only is it a loan; it, in my judgment, it is the best investment ever made. It will do more to keep farm boys and girls on the farm than any other investment this Congress can make."

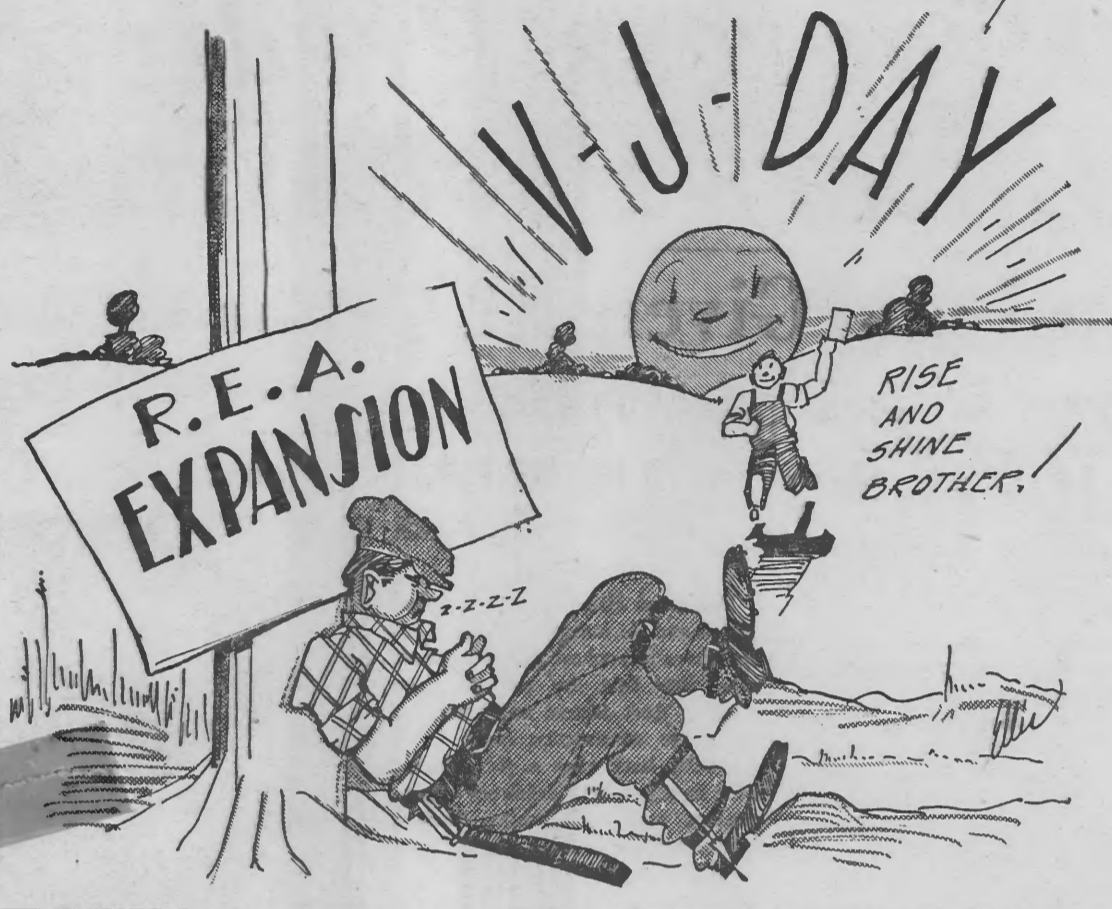
Congressman George H. Mahon of Texas: "The money is needed. The money will not come out of the taxpayers' pocket. The money will stimulate industry. It will help the food program. It will help the farmer. The money will help everyone and hurt no one."

Congressman Charles B. Hoeven of Iowa: "Iowa farmers want electricity. Iowa has already applied for some \$8,000,000 authorization beginning July 1. In fact, in my own Congressional district of twelve counties we have applications pending for over \$1,000,000."

Congressman Ben F. Jensen of Iowa: "Iowa farmers will pay back every dollar with interest." (Just as will every

Construction Not The Only Problem

by Ellis



other farmer residing in all states in which REA cooperatives operate.)

Congressman Stephen Pace of Georgia: "Do not let word go out this afternoon to the ears of this nation that we are appropriating in this bill \$1,900,000,000 to give away under lend-lease, and that you refused to make your own people a safe loan of less than 7 percent of that amount. Do not let word go out to the farmers of this nation that you are appropriating seven or eight billions for the Export-Import Bank to lend to foreign people and you can not let your own farmers have a loan of \$120,000,000. The most helpful thing the Congress has ever done for the farmers of this nation is to give them the blessings of rural electrification."

Congressman Karl Stefan of Nebraska: "The war in Europe is over now and I have been informed that REA material is no longer frozen. There is no reason why sufficient funds should not be allowed REA. The money does not represent grants. It costs the taxpayers no money. In fact it represents a loan on which these borrowers pay interest. The record shows that the principal and interest on most REA loans have been paid. In many cases the loans have been paid far ahead of the due date. This is a remarkable record and the program should be encouraged."

Congressman Karl R. Murdock of Arizona: "Rural electrification not only energizes the power lines to America's farms but it helps to energize the productive processes of our whole economic life."

Congressman A. L. Miller: "There is only one thing wrong with this appropriation bill and that is there is not enough in it for rural electrification."

Congressman W. R. Poage of Texas: "Much of the lack of (REA) construction has been the result of shortages due to the war. The rest of the responsibility must rest on the Congress. Unless we are willing to give the Administrator of REA reasonable funds with

which to do the job, I hope we will hear no more complaint that REA is not doing the job."

These represent the voices of REA's friends in congress. If your congressman is not in accord with such views he or she needs some education along REA co-op lines. You members of REA co-ops can see that this is done. The voice of the voter is the only voice heard in Congress when important issues on the home front are being considered. It is wise for all of us to see that our elected representatives know about the REA program, what it has done for farming during these war days, what it can do in future peaceful days ahead and that we, as co-op members, want that program continued.

Sufficient funds are at hand for the current fiscal year . . . but there will be other years ahead when more money for loans must be made available. It is wise for all of us that our congressmen know and understand this fact so they may vote intelligently for the people who help elect them.

Watch Your Health

In these days when everyone is under extreme pressure, it is wise for every manager, every co-op board member and every co-op employee to guard their health.

Too many have gone too long without the vacations they need to keep going. A co-op employee who has given his all and then has no more to give is commendable from a past record standpoint, but there is the future to consider. No board member expects his manager or any of the co-op's employees to go on and on without a rest.

Of course there is much to be done and there is considerable worry attached to what every REA co-op leader is doing. But there is a limit beyond which human endurance can no longer travel. It is wise to stop long before that limit is reached. Many REA co-op leaders have struggled on through the years without va-

cations just because there always was too much to do. From an economical standpoint it is unwise to continue to do so—uneconomical to the individual involved and uneconomical from the management side.

Many co-op leaders preach safety to their linemen and their office employees but drive themselves beyond their own physical limits. Perhaps it is time that they stop and reconsider; get a physical check-up on the state of their own health and take a periodical rest for their own sake and the sake of their cooperatives.

All Over Now

This is a time for cooperation. Claude R. Wickard is the administrator and those who fought for him and against him should unite, as they are doing, for the good of the rural electrification program. REA now has the largest appropriation ever granted for a single 12-month period. The program can do greater things than has ever before seemed possible. With everyone's shoulder to the wheel the task of electrifying America's farms will be accomplished. So let's pull together; think together and we'll win out together.

Co-op Booster

Lewis P. Schwellenbach, newly appointed Secretary of Labor, is a long-time friend of the cooperative movement, according to John Carson, Director of the Washington Office of The Cooperative League of the USA.

Former Senator Schwellenbach was born in Superior, Wis., and grew up in the heart of the cooperative country.

He moved to the State of Washington and as an attorney there he had considerable association with the cooperatives. He was elected to the United State Senate in 1934 and served for six years. President Roosevelt then appointed the Senator as Judge of the Federal Court for the Eastern District of the State of Wash-

ington. From this position Judge Schwellenbach was appointed by President Truman to "the toughest assignment in the Cabinet," the post as Secretary of Labor.

ANOTHER BATTLE LOOMS AHEAD

The expansion of REA embraces far more than the organization of new cooperatives and the extension of present system coverage. In point of membership service the REA cooperatives of the country have not been asleep during the war period of restricted construction. In spite of curtailed materials the co-ops have been doing a job—a valiant job to the benefit of food production and to the relief of an acute farm labor situation. From June 30, 1941, until the end of May of this year the REA cooperatives of the country built 112,821 miles of line to serve an added connected membership of 497,108. During the 11-month period of July 1944, to June 1945, this membership used 1,871,610,088 kilowatt-hours of electricity in the operation of farms and rural industry—to lighten the tasks and brighten the homes of rural America.

No, the REA cooperatives have not been asleep on the job of expanding rural electrification in the field of construction. But they do need to awaken to the requirements for expansion in allied fields of activity.

Following the joyous recognition of V-J Day will come the reconversion of wartime industry to meet the demand of an anxious civilian market. Far too much of this market will be over-anxious, and the hawk of inferior merchandise will prey upon the previously denied buying power of American farms. This market can rightfully be considered in the light of REA expansion—and the membership must awaken to the dangers that will grow out of anxiety for electrical merchandise and the inexperience in its purchase.

Particularly for the benefit of the REA membership, who have received electric service during the war period, we urge their counsel with reputable dealers or through their co-op office before investing money in inferior electrical appliances and equipment.

Continued REA expansion must also awaken to a more competitive and aggressive fight from the forces opposing cooperative growth. Lucrative war contracts have bulged the coffers of reactionary factions, and huge funds have been built up to carry campaigns of attack into legislatures and congress in an attempt to stem the pronounced evidence of cooperative advance. There will be attacks, with increased fury, against the cooperative tax structure; and every effort will be employed and directed toward regulation of power service and rates.

This campaign must be met head-on by a wide awake membership of cooperative enterprise. If it is to survive, then it is for that membership to now realize that their way of life has advanced far beyond the debate of patronage dividend and a penny-pinching economy.

The battle of guns and planes and tanks has ended, but the battle for cooperative survival has only begun.

Gains Reported at Wayne-White Annual Meeting

Increase Limitation On Mortgage; New Board Member Is Named

Growing in members from approximately 3800 in January of last year to 4111 at the close of the last fiscal year and seeing an additional 10,000 members in the peace-time area ahead, Wayne-White Counties Electric cooperative members met for their annual meeting August 13 in Fairfield high school to give a vote of confidence to their leaders and to prepare the co-op financially to meet the challenge of area coverage.

All officers were reelected and all directors, with the exception of one, who resigned, were renamed to the board. Members voted unanimously and after only a short discussion a resolution to increase the mortgage limitation on the cooperative's property from three to four million dollars in order that the co-op might be able to borrow sufficient funds to connect the thousands of new members wanting service and to improve its present electrical facilities.

Officers reelected included J. Wess Barth, president; Harold Shepherd, vice president, and L. M. King, treasurer. Board members renamed, in addition to officers listed, include Irvin Yohe, Evans Williams, G. O. Moreland, George O. Deem, and Frank C. Gray. Ogie Vest, veteran member of the board, resigned and was succeeded by Lawrence P. Dolan. No other nominations were made from the floor, the members accepting the report of the nominating committee, consisting of Ben C. Feller, Humbert J. Phelps, Harold Frederick, and Haurerken, O. H. Holman and G. French.

Tannahill III

F. A. Tannahill, manager of the cooperative, was unable to attend the meeting, the first he has missed since being associated with the co-op. Unable to be present because of illness, Mr. Tannahill sent a letter to be read at the meeting in which he said that the co-op was in sound financial condition and predicted that the organization would have its biggest construction and service year in history in the twelve months ahead. Mr. Tannahill passed away Thursday morning at his home.

A message was read to the members by Mr. Barth.

Mr. Barth lauded the efforts of all who were carrying on in his absence and said that membership at large was showing the progress made by the cooperative during the preceding year and that the organization was looking forward to extending its service in the future.

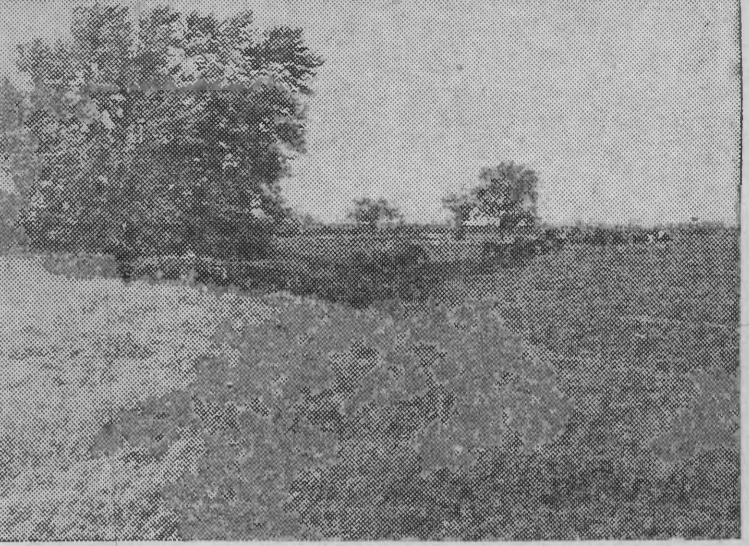
As to what the cooperative could accomplish, Mr. Barth said, it depends upon the availability of men and materials to do the job of bringing electricity to all rural residents in the area.

Financial Report

Mr. King, in giving the financial report, said that operating revenue for the past year totaled \$166,264.75, as compared with a total of \$146,455.41 in 1943. Operating expenses totaled \$75,741.12. Net income from electric sales last year amounted to \$90,523.63 as compared with \$79,212.89 in 1943. The gain for the year amounted to a substantial increase over \$35,552.51 reported in the previous year. Mr. King reported that the cooperative had invested in government bonds to the amount of \$2,000. The total assets of the co-op as of the close of the year were \$1,000,000 as compared with \$750,000 in 1943.



RAIN HINDERS—but never completely stops a farmer from working; and cattle go on grazing just the same. It was too wet for George Sloman, left; his farm employee, Kendall James, center, and Ralph Sloman, right.



(shown in the TOP LEFT photo) to get out in the field—but the weather was just right to repair the combine. A glimpse of the Sloman herd of Herefords and the lush pasture in which they graze may be seen in the TOP RIGHT photo.

Power Brings City Conveniences To Rural Home of Co-op Director

GEORGE C. SLOMAN ONE OF ORIGINAL MEMBERS ON DIVERNON BOARD

Typical of the men who helped pioneer the establishment of the REA cooperative movement in Illinois is George S. Sloman, secretary-treasurer of the Rural Electric Convenience cooperative of Divernon.

Mr. Sloman is one of those who, in the early days, covered his territory pointing out the advantages of electricity and doing his part in signing up co-op members. Today his farm shows that he has practiced what he preached, because it is completely wired and equipped with a number of power-operated devices. Chief among those which save many hours of valuable farming time is a water system which directs water into the home or barn as desired.

The Slomans are also particularly proud of their recently installed, tiled bathroom—as up to the minute as any to be found in a city home. There also is a shower in the basement; just the thing, Mr. Sloman says, to use after a hot day spent in the fields. Warm water is no

problem for this farm family—they have an electric hot water heater.

Mr. Sloman raises an average of 500 hogs annually and, together with his eldest son, Wheeler, farms 580 acres. Father and son also cooperate in feeding cattle. Cattle feeding is a long-established custom on the Sloman farm, as the co-op leader has practiced feeding out a carload of Texas steers every year since about 1935.

This busy, college-educated farmer, grinds and raises most of his own feed. It is rather unusual that Mr. Sloman grinds up and feeds both cob and corn together, rather than feeding only ground corn. He discovered, he said, that the cob contains valuable laxative qualities helpful to cattle.

Among the unusual features of the Sloman kitchen is a built-in refrigerator. Set flush with one wall, the refrigerator extends back into a summer kitchen where it is enclosed in a custom-built ceiling-to-floor closet. Construction of the closet provides extra valuable storage space and adds much to the general attractiveness of that portion of the house. Mr.



JUST LIKE LIVING IN TOWN—That's what the Sloman family says about their modern, electrified farm residence shown above—and they like it better than any city home they've ever seen. An electric water pump is located in the left foreground surrounded by flowers.

Sloman is willing to give all credit to Mrs. Sloman for the general planning of the interior of the residence—one of the most modern in the area. Mr. Sloman, Shurtleff college graduate, and Wheeler, a graduate of the University of Illinois, plant and harvest their crops together. The farm produces an average of 150

acres of corn, 170 of beans, 60 of wheat and 80 of oats. The Slomans have another son, Ralph, a junior at Morrisonville High School. Destined for college in the years ahead, Ralph has shown such an aptitude for farm work that there may come a day when, dad says, he may outshine his elders in agricultural pursuits.

THREE-FOURTHS ENOUGH LUMBER EXPECTED IN '45

The redeployment of troops and material from Europe to the Pacific theatre of war and the anticipated increase in tempo and extent of the campaign in the Pacific will require enormous amounts of lumber.

But the present supply outlook is dark," Culver said. "For 1945, to meet all military and civilian requirements, we must have a total supply of 40 billion board feet. Unless the present output rate is increased, we will not produce more than 29.5 billion board feet. The required figure of 40 billion board feet is not in excess of production capacity.

Johnnie Moore, 6 light bulbs; G. O. Moreland, Norris City, 6 light bulbs; Thomas Metcalf, Albion, electric brooder; Jesse Neal, Ellery, 6 light bulbs; Jess Chalcraft, Ellery, 6 light bulbs; Eugene Bailey, Albion, 6 light bulbs; James Whitson, Sims, coffee maker; George Tunnels, Sims, 12 light bulbs; H. J. Bennett, McLeansboro, \$5 war stamp; Lawrence Dolan, McLeansboro, 12 light bulbs; Arthur Brach, Cisne, electric brooder; Harry Shilling, Albion, 6 light bulbs.

T. B. Thomas of Fairfield won an electric alarm clock as the "early bird" prize.

Mr. White, winner of the electric motor, donated by the cooperative, is a returned war veteran, having been discharged from service recently with 101 points. A machinegunner, he wears five battle stars and was awarded a Bronze Star for meritorious service.

NEWS FROM Farmers Mutual Geneseo, Ill. WALTER PARSON, Mgr.

Good Harvest

Farmers in our area report that the harvest of small grains is up to par this year, for which all of us are happy. Your cooperative is bending every effort to help members do with electricity what can be done in this harvest season. Your REA power is on the job helping you operate your elevators, run your blowers and operate your milking machines. It also is saving you time for extra farm work by pumping the water for your stock and chickens and giving you needed light in your barns, barnyards and at home. In many cases REA power is also helping farm wives prepare threshing dinners on electric ranges and giving them warm water to wash the mountains of dishes left after the men have returned to the fields for additional afternoon work.

Plans have been made to send two representatives to the annual convention of the Association of Illinois Electric Cooperatives in Springfield late this month. Your president and manager will probably attend the meeting. The cooperatives joined the state-wide group early this year. The association is composed of nearly all REA cooperatives in Illinois and was organized for the purpose of giving united backing to all measures pertaining to the rural electrifi-

cation program in the state and nation.

Farmers Mutual Electric cooperative has been informed that it can expect its share of the huge allotment of loan funds granted REA for the current year. These funds will be allocated to various co-ops for the construction of lines to serve additional members and to help them improve their service through more substantial construction or increasing sub-station facilities wherever needed.

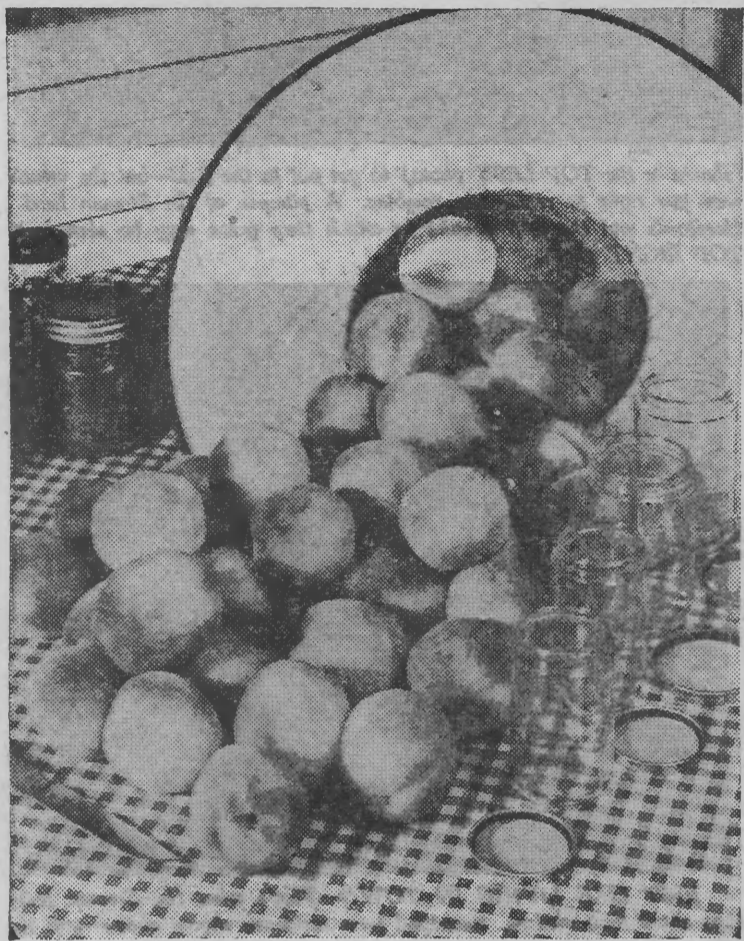
Welcome Home

Donald Buckley, a former technical sergeant in the ground forces of the air corps, is plain Mister now. Don has returned to his father's farm, having been honorably discharged from service with a total of 108 points. We're glad to see you home Don and expect that your two brothers, who are still in service, will be home soon too.

With fall coming on your co-op again urges all members to look over their hedge rows and to join with their neighbors in removing as much brush as possible from beneath their REA lines. Brush growing up into the line causes interruptions in service which are beyond the control of your co-op. So, when you have a few hours to spare, use that time to cut the hedge from beneath your lines. If tree limbs are growing into the line let your co-op know and we will send a man out to your farm to remove them. We are just as anxious to keep electricity flowing freely to you as you are to have it. Your cooperation in this matter will prevent outages and keep the costs of operation down. Because you own this cooperative, every dollar saved is to your advantage.

REA Women and The Home

Edited by Mrs. Val Thoenig



Peaches A-plenty Enjoy Them Fresh, Canned, Frozen And Fill Up the Cherry-Apple Gap

Peaches are plentiful! That good news has been going the rounds for weeks—and this month we see the proof in our fruit markets and grocery stores. Isn't it wonderful—just to be able to take one's share of something without ration stamps, waiting in line, or filling out forms? Actually, this year IS the peak peach production year. All of 26 million bushels are expected—4 per cent more than in the previous record year of 1941.

Enjoy peaches to your heart's content. Nibble them fresh. Slice them with cream or milk, on top of cereal, in salads, shortcakes and cobblers. Can many. Freeze some. Splurge with old favorites—experiment with new ones. And since so many of our state's famous apples and cherries were nipped in the bud, fill that extra cranzy in your fruit cupboard with jars and jars of golden peaches.

One of the most delightful things about a really ripe peach is its oozing sweetness. Whether you plan to can all, freeze some, make peach butter or marmalade, or eat many fresh, you'll find that peaches aren't greedy with the sugar jar.

Object to Peach Fuzz?

If you love to eat your peach "fresh out of hand" but object to the fuzz, do try this. Dip peaches in pan of boiling water for merely an instant. The fuzz will float to the top—leaving the peach smooth and delectable.

Freeze the Beauties

If you have access to a freezer locker, you will wish to freeze at least a few of the best peaches for special winter treats. Select large, fully ripe, and firm fruits. Loosen the skins by dipping the peaches into boiling hot water, then into cold water. A wire basket or cheesecloth makes this job quick and easy. Then remove skins and pit fruits. Slice the fruit immediately into a syrup

made of half sugar and half water. Fill containers with peaches. Cover with syrup.

Laboratory tests made by home freezing specialist of the U. S. Department of Agriculture show that darkening of peaches can be prevented. Immediately after peaches are peeled and sliced, dip them for one minute into a solution of citric acid, made by dissolving one-fourth teaspoon citric acid crystals in 1 quart of water. Or, slice directly into the syrup to which $\frac{1}{4}$ teaspoon ascorbic acid has been added per cup syrup. Citric and ascorbic acids may be bought at most drug stores.

Peach Butter — Perfect Bread Spread

You'll want to make several jars of peach butter. It's so yummy in school lunches, for afternoon snacks, and as a mealtime bread spread. Besides, it stretches sugar almost twice as far as a jam or jelly.

Sort out the imperfectly shaped peaches for this purpose—saving the beauties for canning. Wash, peel, and pit. Cook them in their own juice until soft, stirring constantly. Press through a colander, then through a fine sieve.

Add about half as much sugar as sieved fruit. (Less may be used if your fruit is very sweet.) Add a scant $\frac{1}{8}$ teaspoon salt per quart of butter. Boil rapidly, stirring constantly to prevent scorching. As the butter cooks down, reduce heat. When thick, test by pouring a small quantity on a cold plate. Cook until no rim of liquid separates around the edge of the butter.

Stir in spices if desired, $\frac{1}{4}$ to $\frac{1}{2}$ teaspoon per quart butter. Clove, cinnamon, or mixtures are favorites. Or you may use whole spices tied in a small cloth bag so the fruit won't darken. Pour the boiling hot butter into sterilized jars and seal.

Sugar may be stretched by replacing up to $\frac{1}{2}$ weight of sugar with

honey or corr syrup. Cook longer than when all sugar is used.

Sweet Pickled Peaches

(P.S. And they're worth 3 pounds of sugar!)

3 pounds white sugar
2 cups pure New Orleans molasses
1 quart mild vinegar
 $\frac{1}{2}$ teaspoon salt
10 2-inch sticks of cinnamon
3 tablespoons whole cloves
2 tablespoons allspice berries
8 pounds or 4 quarts peaches

Put the vinegar, sugar, molasses, in a large saucepan. Stir until the sugar is dissolved; boil 10 minutes. Dip the peaches in boiling water for a few seconds, then plunge into cold water. Peel only as many as can be cooked at one time. Leave the peaches whole. Simmer the fruit in the syrup until it is tender (about 5 minutes), cooking as many as the pan will hold at one time. Remove from the syrup with a perforated spoon and place in hot, sterilized jars. Fill the jars with hot syrup and seal immediately. Yield, 4 quarts.

Peach Pudding Hot

First make dough of:

2 cups sifted flour
4 tsp. baking powder
1 tsp. salt
3 T. shortening
 $\frac{2}{3}$ cup milk

Mix lightly and roll about $\frac{1}{4}$ -inch thick and brush with melted butter (about $1\frac{1}{2}$ tablespoons) and then sprinkle with this mixture:

3 cups finely chopped fresh or canned peaches
1 cup grated walnuts or pecans
2 tablespoons sugar

Roll up like a jelly roll and pinch edges together. Put in a greased baking pan and pour over it the following mixture:

2 tablespoons butter
 $\frac{1}{3}$ cup New Orleans molasses
 $\frac{1}{3}$ cup water
 $\frac{1}{2}$ teaspoon nutmeg

Baste often while baking in a moderate oven (350 F.) for about 40 minutes. Serve hot with cream.

Recondition Feather Pillows This Summer

Pillow feathers need laundering, too, to remain fluffy, soft, and odorless. And it can be done with nary a feather escaping.

First, pick a summer day which is warm and windy. Remove feathers to a closely woven bag large enough to prevent packing. Open one end of the pillow tick and sew it to the opening of the closely woven bag—then shake feathers into the bag and tie the top securely.

Now, the feather washing. Simply souse the bag and its contents up and down in a tub of warm soapy water. Then rinse in clear water to remove all soap and soil. Dry outdoors in the sun and wind. If you must hang the bag indoors, an electric fan will speed drying and keep the feathers fluffy. Shake the feathers occasionally to fluff them and speed drying. And do not let them remain in the sun too long. It dries out the feathers' natural oil.

The ticking too needs a wash-job. When it and feathers are dry, replace feathers. Restitch opening. And the job you dreaded is finished. It wasn't so bad, after all!

Frequent airing and sunning of pillows plus brushing with a whisk broom shoes off soil and keeps the feathers soft. The feather-wash shouldn't be necessary more than once every one or two years.

Forty per cent of the lighting in new homes built after the war will be provided by fluorescent tubes. They're most likely to be used first in the kitchen, bathroom, basement, breakfast room and sewing nook.

MRS. WILBER TURNS KITCHEN PLANNER

Mrs. Dewey Wilber, a member of Trempealeau Electric Cooperative, whose farm home is located near Trempealeau, Wis., has shown what a can of paint and a few ideas can do for an impossible kitchen.

Just about everything was wrong with Mrs. Wilber's kitchen. It was large, all of 16 by 20 feet, poorly planned, and dark. During canning and harvest seasons, Mrs. Wilber wore herself to a frazzle. Located in one corner of the big room was the sink, almost kitty-corner from the range. The refrigerator was located mid-way on the other wall. All of which meant that Mrs. Wilber trotted her feet off. It was at least 22 feet from sink to range, 15 feet from sink or range to refrigerator. The room was finished in wide clapboards which had been stained a dark brown. And it was impossible to keep dust from collecting in the wide cracks. To top it all off, three big guns hung over the kitchen range.

"Honestly, it looked like an arsenal," laughs Mrs. Wilber—now.

Pantry 24 Feet From Range

You could never guess where the pantry was. It was at the opposite end of the room from the range. All of 24 feet! And funniest of all, says Mrs. Wilber, was the huge furnace pipe which ran right smack-dab through the cupboard!

It does sound like a nightmare, doesn't it? And it seems like one to Mrs. Wilber when she recalls it. But you should see that kitchen now.

First of all, Mrs. Wilber worked out a convenient arrangement. Her work table, range, and sink are located close together along one wall. Backed against another wall is the refrigerator. Her triangle of work has been reduced from 22 and 15 feet to only a few steps.

Designed Work Tables

She designed her own work tables and watched closely as the carpenter constructed them. Her "pet" is the pastry table. It is designed with three deep drawers and a linoleum-covered top. The top drawer holds flour, second drawer, all utensils used in mixing and baking bread and pastries; third drawer, the flour. A little cabinet overhead holds spices, flavors, raisins, and all else that makes a good pie, cake, or coffee roll. Everything is at her fingertips. The bread can be kneaded on top the table; the pie, fluted.

Other cabinets for dishes and ingredients have been carefully planned and located. For instance, table ware is located near the kitchen dining table. Serving dishes, kitchen tins, extracts, and baking dishes are near the range. More counter surface is located by sink and range. And there are plenty of electrical outlets in which to plug the electric mixer, an extra lamp, or any of the other Wilber electrical appliances.

What was once a dark dingy kitchen is now gleaming white. Mrs. Wilber never stopped until every unsightly crack had been filled, every vestige of the dark ugly clapboard covered. Over all is a hard-finished enamel. The white surface may be wiped clean in a jiffy.

Pantry Now Laundry

Are you wondering what happened to the pantry? It has been transformed into a gay little laundry and washroom for the men. That furnace pipe has been taken out. The walls were enameled white — and where there is apt to be moisture, Mrs. Wilber has placed red and white checked oilcloth. The unneeded cabinets and shelves were removed.

The electric washer "queens" the laundry. There is no more heavy lugging of water from one end of the kitchen to the other. Mrs. Wilber has it piped to her washer. And she needn't carry heavy baskets of wet clothes upstairs. A door leads to the clotheslines.

And how the men appreciate that white porcelain sink enhanced with its red and white oilcloth linoleum along the wall, the convenient soap

PATTERN LIST

The demand for patterns is constantly on the up-and-up. We're glad—because we know by this (and by your notes) that you find them helpful. Again, we ask your patience when your patterns are delayed. We try to send them out daily, but sometimes we are snowed under.

Other 4-H club leaders may find Mrs. Lloyd Ankley's idea helpful. She has written in for nearly every copy of the patterns because she "is sure the Sunnyside 4-H club could make use of them." Mrs. Ankley, a member of Barron Electric Cooperative, lives near Rice Lake.

Order as many patterns as you wish. Please enclose a stamped, self-addressed envelope for every four patterns. Send your requests to Women's Editor, Illinois REA News, Petersburg, Ill.

Crocheted Aprons

Lacy Doily
Applique Luncheon Set.
Dressy Bag

New Crocheted Bags

Parties for Children
Frame It

Canning Whimsy

Tot's Cotton Sweater

Hair Ornaments

Personalized Buttons

Tricks with Jars

Crocheted Place Setting

Flattering Clothes Chart

Care of Home Furnishings

Hot Plate Mats

Ideas for Purses

Ideas for Belts

Crocheted Dinner Cloth

Crocheted Bedspread

Frou Frou

Glass Jackets

Ideas for Remnants

Mending Tricks

Dressing Tables

Children's Clothes from Discard

Irish Crocheted Edging

Make-Over Ideas for Dresses

Care and Selection of Curtains

Fall Fairs

Accessories For You

How to Plan a Successful Meeting

Hostess Hints for September

FALL FORECAST

When we get dressed up this fall we're going to look different—if the manufacturers can find fabric to fill orders. Our fashion designers have flown to new heights with their ideas. And though some women profess absolutely no interest in the fickleness of fashion, most of us, we think, like to window-shop and page through fashion magazines to see "what's new." Here are a few things you will find this fall—

Waists will be nipped in. Waistline experts gently phrase it "the diminished waist.") Skirt pads are slipping, and shoulders are drooping or rounding. Skirts are wide from waist to shoulder, bishop, bell or braided. All are used to achieve a feminine silhouette.

Collars are absent. Necklines look at the neckline makes necklines more important. Bustline fullness is popular. All dresses will have a tight midriff attained by a high riding belt into girdle of a different color.

As for hem lines, there is no "set" length. The smart woman wears "her own length" from the floor. Consider carefully the proportion of her figure and legs.

Pie Trouble

Should pies persist in boiling over in spite of careful sealing try baking them at 450 degrees for 25 minutes then reduce heat to 350 degrees. Balance of baking time.

Bake cup-cakes

They require no

and towel place for hanging, every

Yes, please. In her energy

Junior News

from REA farms

Pen Pals

Almost one month of summer vacation remains—and what a grand month it will be for Pen Pals. Especially for those entering the many Junior Fairs. Would you like to write letters for next month's column on "My Experiences at the Fair?" Sounds fun, hrm? So whether you took honors, or just had a good time, write us all about it. The address: Junior News Editor, Illinois REA News, Petersburg, Ill.

Mary Enjoys Fishing, Swimming

I am 13, and will be in the eighth grade this fall. I am 5 feet, 4½ inches tall. I live on a 20 acre farm three miles west of Harrisburg.

My hobbies are swimming, fishing, and writing and receiving letters. I like all kinds of music. I have one sister. Also, I have some pen pals but would like to have a few more. So everyone write to me. I like to hear from boys as well as girls.—Mary Joan Rogers, RFD 2, Harrisburg, Ill.

Evelyn Has Victory Garden

I am 13, and will be a freshman in high school next term. I am 4 feet, 9 inches tall, and weigh 74 pounds. I have brown hair and blue eyes. My hobby is collecting picture postcards from different states. I live on a farm and am spending most of my time this summer in my victory garden. I will answer every letter I receive.—Evelyn Sands, RR 1, Lexington, Ill.

Benita Rides Horseback

I would like to have some Pen Pals. I am 11. My birthday is November 22, and I am in the seventh grade.

I like to read, ride horseback, and bicycle. I have three younger sisters. Please write to me.—Benita Kay Emmons, Keenes, Ill.

Norma Has Two White Kittens

I am 12. My hair is blonde, and my eyes are blue. I am 5 feet, 3 inches tall and weigh 108 pounds. My birthday is November 18. I will be in the eighth grade this fall.

I have two white kittens named Snowball and Meatball. I also have a dog.

I have one brother who is in the army and a sister.

I will answer all letters.—Norma Jean Kiper, RR 1, Weston, Ill.

Shirley Plays the Piano

I am 9 and my birthday is on December 7. I have blonde hair and blue eyes. I go to Eddyville School. My hobbies are playing the piano, jumping rope, and reading. I will answer all letters.—Shirley Bailey, Eddyville, Ill.

Fill Margaret's Mailbox

I am 13 and in the first year of high school. My birthday is April 15. I have brown hair and gray eyes. I am 5 feet tall.

This is my second letter to the REA Junior News. Please write me, boys and girls.—Margaret Mae Hartline, R. 2, Box 91, Anna, Ill.

Meet David and His Sister, Joan



I am 4 feet, 3 inches tall, and weigh 66 pounds. I have blue eyes and brown hair. My birthday is December 7. My hobby is fishing.

I have a pet dog. His name is Buster and he is part bull dog. The picture is of my sister, Joan and me.—David Harris, RR 1, Olney, Ill.

Marquetta Has Dog, "Mutt"

This is the first letter I have written to the Junior News. I am 11. My birthday is March 24. I am 4 feet, 11 inches tall, and weigh 87 pounds. I have brown hair and blue eyes. I am in the sixth grade.

My hobbies are reading and jumping the rope. I go to White School. I have a dog named "Mutt."—Marquetta Joyce Gray, Mill Shoals, Ill.

Lois and Vera Want Letters

My sister and I are seeking Pen Pals. My sister's name is Vera Jane Kern. She has dark blonde hair, blue eyes. She is 5 feet tall, and weighs 100 pounds. She was 11 last March 1.

Now for myself. My name is Lois June Kern. I have strawberry blonde hair and blue eyes. I am 5 feet, 6 inches. I will be 15 on March 24—and I'll be a "green" freshman.—Lois and Vera Kern, RFD 1, Petersburg, Ill.

Mary Lou Likes Farm Work

I am 16, but have a birthday coming soon. I have blonde hair and I am 5 feet, 6 inches tall. I like to do farm work. I also like to read and listen to good orchestras on the radio.

My hobby is collecting movie star pictures and riding the bicycle. I will answer all letters.—Mary Lou Christy, RR 1, Mason City, Ill.

Claudette Has a Pet Chicken

I will be 11 on September 11. I am 4 feet, 6½ inches tall. I will be in the seventh grade. I have a pet chicken.

I will answer all letters.—Claudette Barger, Eddyville, Ill.

Patricia Enjoys Junior News

I enjoy the Junior News. I am 11 and will be in the sixth grade this fall. I surely enjoy going to school. I would like to hear from all pen pals.—Patricia McDaniel, R. 1, Stonefort, Ill.

Vonna Lee Has 76 Pen Pals

I am 14—will be 15 on Nov. 9. I am 5 feet, 1½ inches tall, and weigh about 90 pounds. I have dark brown, naturally curly hair and blue gray eyes. I will be a freshman in high school this fall.

My hobby is swimming and horseback riding. I like most sports. I will answer all letters from both boys and girls. I have 76 Pen Pals already.—Vonna Lee Smith, RR 1, Albion, Ill.

Maynard Raises Potatoes

I am 12 years old, have blue eyes and brown hair. My birthday is Feb. 6. I have two brothers. We live on a 160 Ad farm. My favorite sport is riding the bicycle.

This is my first year in 4-H work. I have a patch of potatoes for my 4-H project. We had a picnic. I will answer all your letters. Let me hear from you.—Maynard Dahl, Blair, Wis.

Sylvia Is "Steady" Reader

I am a steady reader of the Junior News and enjoy it very much. This is my first time to write in. I am 8 years old and am in the fourth grade. I would like to hear from all my pen pals.—Sylvia McDaniel, R. 1, Stonefort, Ill.

Doris Has Four Cats

I am 9 years old, and my birthday is November 10. This coming year I'll be in the fifth grade.

I have four cats. Their names are Pat, John, Frankie, and Perry. Please write me, boys and girls.—Doris Emmons, Keenes, Ill.

Ruth Sews School Clothes

I am 12, 5 feet, 3½ inches tall, have brown hair and brown eyes. My birthday is Oct. 13. I weigh 106 pounds. I like bicycle riding and all kinds of sports.

I am in the John Jordan Jay Birds 4-H club and the Victory Wins 4-H sewing club. I make most of my school clothes.

Electricity helps on our farm by providing light to milk by and by running the milking machine.

I will write to all Pen Pals. Please write to me.—Ruth Venters, R. 4, Shelbyville, Ill.

Alberta Collects Recipes

I am 17 but will be 18 on Sept. 3. I am 5 feet, 2 inches tall. I have blonde hair and blue eyes. I will be a Junior in high school.

My hobby is collecting recipes. I also like to read interesting books. I take care of the chickens, help in the garden, and help mother.

I like to write, so come on, Pen Pals, write.—Alberta Eloise Shackelford, R. 3, Cisne, Ill.

Linda Lou Likes School

I am 8 years old. My birthday is Oct. 21. I am 4 feet, 1 inch tall, and weigh 54 pounds. I have light brown hair and brown eyes. I have two brothers and six sisters. I will be in the fourth grade. I like to go to school.—Linda Lou Barger, Eddyville, Ill.

Happy Birthday, Wanda

I am 13 and will be 14 on the 21st of August. I will be a freshman in high school.

I live on a 221-acre farm. My hobbies are reading and swimming. I would like for girls to write to me.—Wanda Block, Cisne, Ill.

Singing Is Mary Alice's Hobby

I am 16. I have brown, naturally curly hair, blue eyes, and a sort of tan complexion. I am 5 feet, 5½ inches tall. I am a junior in high school.

My hobbies are writing letters,

POTATO GROWER

Maynard Dahl, a Junior REA member of Trempealeau Electric Cooperative, is a new Pen Pal.



This is Maynard's first year in 4-H, and he is working hard this summer to ease Wisconsin's potato shortage. He is raising a patch of potatoes as

his 4-H project—and they're turning out "very nice." He plans to sell them this fall.

Maynard's parents have been REA members for six years—and Maynard speaks for the entire family when he says, "We don't know what we would do without electricity. We have a refrigerator and many other things."

If we have our guess, waffles is Maynard's favorite dish. He writes, "I would sure miss our waffle iron if we didn't have the REA."

(Be sure to read Maynard's Pen Pal letter on this page.)

Lillian Wants Pen Pals to Write Shut-In Friend

Lillian Stesnak, a Junior REA member of Barron Electric Cooperative, lives on a large farm near Clayton, Wis. And she is a very busy girl this summer.

She is taking care of the garden all by herself, raising 170 chicks, (there were 200 until the pup got them, she says), and helping with haying, "sticking-fork mostly."

"We have over half of our 106 foot barn full but we have much more hay to make. What we don't get in the barn we stack," says 15-year-old Lillian.

Lillian is anxious that her shut-in friend in Nebraska receive "lots and lots of mail." So she is asking that many Pen Pals write Helen Fendrick, R. 3, Box 85, Clarkson, Neb. Helen has been ill for a long time. She can't run, play, and work like most Pen Pals because arthritis has stiffened her legs. But she does love to receive letters, and she reads and writes on her lap. Her hobbies are collecting hankies, postmarks, and seals.

"Please fill Helen's mailbox," says Lillian. "She enjoys reading your letters, and I know you would like to hear from her."

singing, and having lots of fun. I want a lot of pen pals—both boys and girls of all ages up to 19 or 20.—Mary Alice Smith, RFD 2, Box 80, Anna, Ill.

Joan Plays Piano

This is my first letter to the Junior News. I am 11. My birthday is May 10. I will be in the sixth grade this year. My height is 4 feet, 8 inches, and I weigh 84 pounds.

My hobbies are skating, swimming, skiing, reading, and playing the piano. I have one sister and a brother.—Joan Jewsbury, RR1, Colchester, Ill.

Jo Wants Words to "Alcapoco"

I am 14. I have dark blonde hair and gray-blue eyes. I am 5 feet, 7½ inches tall and weigh 120 pounds. My hobby is collecting movie star pictures. I enjoy swimming and basketball games. I have one pet dog named Sue. I have two brothers, age 11 and 15.

I would like to have all the words to "Alcapoco."—Jo Spears, Carrier Mills, Ill.

Western Songs Are Bonnie's Favorite

I am 13 and am 4 feet, 7½ inches tall. I weigh about 90 pounds. My birthday is March 14. I will be a freshman in high school.

I have medium brown hair and brown eyes. My pastimes are reading, bicycling, dancing, listening to

REA IN MY 4-H WORK

By Georgia Orr

(Editor's note: Georgia, a 13-year-old member of Barron Electric Cooperative, lives near Balsam Lake, Wis. She has been a Pen Pal for about a year and would welcome more letters.)

Georgia has been busy this summer with her 4-H projects. At the Polk County Fair on the 17, 18 and 19 of August, she exhibited a dirndl skirt, dress, and scarf, two kinds of muffins, and a relish tray.

You'll be interested in comparing notes with her on ways electricity helps with 4-H projects.)

In my 4-H projects, Foods, Clothing, and Second Mile work, there is lots to keep me very busy, but REA appliances are great time-savers.

In my clothing work I'm making dress, skirt, apron, and a scarf. Learning to sew takes time and work but it is also fun, especially when you wear your finished garment.

Press as you sew is a good rule to follow. This is where your electric iron helps. It also makes your required 15 hours of ironing a pleasure. After the war, we hope to have a new electric sewing machine, too.

In my Foods and Nutrition project, I work mostly with vegetables, making salads and other dishes. To help keep your vegetables crisp and fresh, an electric refrigerator does wonders.

We look into the future for our electrical kitchen, thanks to REA.

All in all, 4-H work is fun and provides opportunity for learning new things as well as having enjoyment.

This Idea For Berries Is The Berries—What?

David Hubbard, Urbana, has devised a novel contraption to keep sparrows and robins out of his strawberry bed.

Hubbard has encircled his berry bed with stick uprights to which is attached a wire. From this wire dangle paper bags and strips of cloth that are agitated by a small electric motor at one end of the bed. The wire is shaken by means of a cross arm and weighted drive wheel, with V-belt connection to a smaller pulley drive wheel.

When Hubbard goes to work he leaves more plebian dishes of grain and worms to entice the birds away from the berries. It works with the robins, but the doughty sparrows are not quite so timorous.

Cabbage Leaves

The wrapper leaves of the cabbage aer higher in vitamins than the head.

Woodchucks, or ground hogs, as they are commonly known, were a serious menace on many Indiana farms last year. Besides eating soybeans and other valued crops, their burrows caused injury to livestock.

Wipe Off Cobwebs

In late summer and in the fall, spider webs are likely to cause streaks in a fresh paint job unless the surface is wiped before painting. This is a small chore compared with the nuisance of coping with cobwebs mixed with the paint, if the precaution is omitted.

Western songs, and music, and taking part in outdoor sports.

I will answer all letters.—Bonnie Jean Warner, RFD 1, Good Hope, Ill.

Joyce Has Three Pets

I am 12. My birthday is April 9. I weigh 75 pounds. I have blonde hair and blue eyes. My hobbies are reading, singing, and horseback riding.

I have two cats and a white dog for pets. I will be glad to answer boys as well as girls.—Joyce Hawk, Macoupin, Ill.

Here 'n there

in ILLINOIS

BY RUSSELL GINGLES

Dear Folks:

Having been privileged to spend more than two years in Illinois as editor of your REA state-wide paper, it is hard to say goodbye. We've made many friends in rambling about from project to project, visiting scores of farms—large and small—and traveling thousands of miles over the endless ribbons of concrete which stretch north and south, east and west throughout state.

We've been through some serious times, gay times and sad times together. There have been laughter and tears mixed in our travels. We've seen you troubled with help shortages, long hours and the loss of sons who have marched off to war. We've seen you gay at picnics and serious at your annual meetings.

Life indeed has passed in bold relief across the pages of each monthly issue of the Illinois REA News. No wonder, therefore, that we leave at the end of this month with a lump in our throat. There is, however, a measure of satisfaction in that we leave you with your publication in the hands of a capable editor and finances of the paper on a sound foundation.

As we head toward New York and, what we think, may hold for us opportunity to continue working for the rural electrification program in a wider, partially explored field we take with us memories we shall never forget. You personally, your managers and your projects compose those splendid memories. In the days ahead let us wish you the best of luck in everything—and thanks again for allowing us to edit the Illinois REA News for you.

Wisconsin farmers may wonder but, unless Harvey Schermerhorn, editor of the Wisconsin REA News tells them, they'll never know how tall the corn grows in Illinois. Floyd Ruble, Jo-Carroll co-op manager, who is considerably under six feet, was pictured by Harvey standing next to one of the taller stalks of corn recently to give the illusion that Illinois corn grows sky high. Short Floyd and tall corn should look well in the Wisconsin paper. No doubt badger farmers may put a visit to Illinois down on their post-war trips just to check up on things agriculturally down this way.

Don't worry about the unearthly noises you hear coming out of Joe Heimann's milking parlor. It's merely Joe shooting out one or two dry cows which have become so attached to the milking machine they can't break the habit when 6 o'clock comes around.

Art Lentz, Southeastern co-op manager, has now qualified for his pilot's wings—if climbing to dizzy heights means anything. Art scrambled sky high into C. H. Dixon's barn recently to look over his board member's new hay distributing device and, incidentally, to bring to a trembling reporter his camera and flash bulbs.

Mrs. Joe Heimann has added something new and different to her electrified kitchen. The wife of the manager of Clinton County Electric cooperative has purchased an electric flour mixer. With it, her husband said, she whipped up a cake in nothing flat to get ready for an unexpected guest who called, Joe said, for a story for the Illinois REA News and timed his visit just right for a chicken dinner. Too bad we hadn't thought of visiting the Heimann farm oftener. All of which

brings to mind our quick recovery from a near fainting spell occasioned by a remark made by Mrs. Helen Hicks, McDonough Power co-op board member. Mrs. Hicks, who also took pity on our try-and-get-something-to-eat-in-city - restaurants condition, and invited us to dinner said as a warning: "We haven't any chicken tonight, so you'll have to eat steak." The full realization of "having to eat steak" dawned on us while we slumped into a chair in the co-op office. We recovered, however, in time to reach the farm two or three hours before dinner time—just in case she didn't hear us say yes.

In the closing days of the Japanese war, Walt Parson, manager of Farmers Mutual Electric cooperative, expressed a theory which has so far worked out to the salvation of humanity. It is simply that right makes might. If you're in the right, he says, you'll generally come out on top. Such was the case in the European and Pacific war theaters and he cites the fact that our enemies were unable to develop weapons, such as the atomic bomb, in time to save their evil skins to back up his statement.

Clyde Hogendobler's cows are as choosy about electricity as any of the members of Southern Illinois Electric cooperative. Seems that the power was off for forty minutes the other early morning because of repair work being done on the CIPS line. Under the circumstances Clyde did all he could—he hung the old lantern in its accustomed place in the barn and got ready to milk. However, he was the only one who was ready; the cows refused to come into the barn until electric service was resumed and the lights were turned on.

A restaurant at the edge of Harrisburg tells its customers that they'll have to take ice cream for desert in these words: "No sugar no pie—and that's no lie."

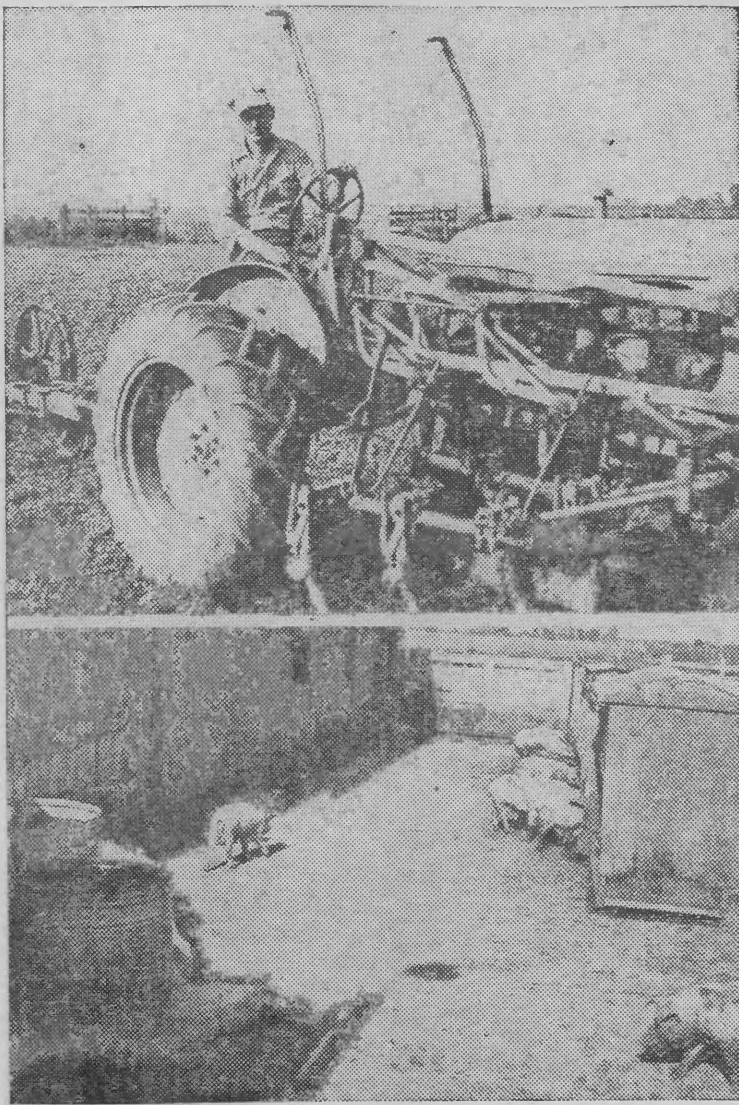
REFLECTED GLORY GIVEN CO-OP IN POWER FIRM AD

William Morgan Jr., 16, is a cattle king from the cotton country all right—but his dad is a co-op member instead of being on a private utility line as 167 "Enterprising Business-Managed Electric Companies" said in an advertisement in a recent issue of the Southern Agriculturist.

It took Louis Spencer, manager of Delta Electric Power Association, an REA-financed project to tell the editor of the magazine that the electric devices on the Morgan farm were powered by REA electricity and not, as the advertisement said, by electricity from a so-called "business-managed electric company." Not only that but the private utility which was so happy about William's record had refused for fifteen years to give the Morgan farm the power the co-op cheerfully supplied. Nice ad, all right, but the power source was a bit miscalculated.

Cord of Wood

A cord of wood, on the average, is equivalent to 1,300 pounds of coal, and every cord of wood cut will aid in making up the deficiency of fuel wood in the nation.



ALL IN A DAY'S WORK—While Russell Smith readies his clover pasture for a host of little pigs in TOP PHOTO, several Chester Whites, BELOW, do a little pre-market fattening by themselves at a row of automatic feeders. To the left in the lower picture can be seen two portable hog waterers of the type used in the field and which are filled with water pumped into them by an electric pump.

Fairs Forgotten As Farmers Set Meat for Goals

MacDonough Men Raise 600 Hogs Per Year; REA Pumps Water.

There was a time when Russell Smith and his father, Eugene, showed their Chester White hogs at fairs far and wide—but that was before the nation plunged into battle with the axis powers.

The declaration of war and the government's demand for increased meat production put these members of MacDonough Power cooperative in the hog raising business for keeps rather than for ribbons, glory and prize money.

Last year a total of 600 hogs was raised on Russell's 80-acre farm near Good Hope—and the same number will probably be sent to market again this year. Only a very small number of hogs raised by this energetic father and son farming team go to neighboring breeders.

REA Big Help

REA service has been a big help to them in their stock raising activities, especially in providing them with the power with which to pump water into their clean concrete feed lots and out into the lush pasture.

Realizing that water is needed both winter and summer, the Smith investigated the possibilities of stock tank heaters and came up with a winning combination. They bought an immersion-type heater and practically sealed it in a tank 8 feet long, two feet wide and two and half feet high. The tank is built of concrete and has outer wooden sidewalls and top. A space of four inches between the concrete and wooden walls is packed with sawdust, while sawdust sacks are laid in the space beneath the wooden lid and the top of the tank.

So snugly has the tank been packed that it has not been opened for four years; the heater has operated efficiently all of that time and the water which flows into metal cups set in the side of the tank, has never frozen

even in the sub-zero weather. The flow of water is controlled by floats which also operate the electric pump located over a well about twenty feet from the tank.

This tank is located in the hog fattening pen. Two other large portable hog waterers are in the larger concrete pen which houses the young pigs.

In addition to this arrangement, the Smiths also have a connection on the pasture side of the feed lot to which they can attach pipes to be laid to any section of the pasture being used by the hogs. When the hogs are moved from one location to another, these progressive farmers simply plow a furrow to where the waterers are to be placed and lay a section of pipe out to the desired place. Doesn't take much work, they say, and they save on buying pipe to underlay the field.

Expert Carpenter

Russell is fortunate in having a dad who is as expert in the carpentry and plumbing game as he is at farming—for Mr. Smith has himself completed many of the improvements which have gone into the residences occupied by his son and daughter-in-law as well as the modern farm home in which he and his wife reside. The improvements he hasn't had a personal hand in he has supervised.

He says it "just about kills me to work indoors" but he has done so nevertheless, installing bathrooms in both houses, laying hardwood floors and doing a host of other jobs usually delegated to a carpenter from town. In addition he has built numerous outbuildings—and has in mind constructing a new barn on Russell's place when materials are available.

The proposed new barn will include a water system, for the Smiths are going back into raising cattle one of these days and they want everything as modern as they can make it. Electrical appliances abound on both father and son's farms and they have numerous yard lights to chase away the gloom at night.

Russell's interest in stock started early; he was only nine years old when he and his dad started showing at various fairs. He also was a member of a pig club organized by an interested Macomb farm leader and

NEWS FROM Western Illinois

Carthage, Ill.
L. C. MARVEL, Supt.

Operating Statistics

KWH Purchased	160,200
KWH Sold	121,152
Total Billing	\$6,258.33
Members Billed	1255
Miles Energized	550

Welcome New Members

Jessie and Gottlieb Bollin, Archie and Margaret A. Orth, Etta and Lowell Butler, Audley and J. H. Ketcham, Geo. Ezra and Olive S. Griffith, Darrell and Virgie Lucie, Erwin D. and Hattie E. Schilson, Hattie and Charles Kimbrough.

Co-op Receives Additional Loan

During the past week of August 6, the sum of \$182,000 has been allotted to this Cooperative by the Rural Electrification Administration, to construct 150 miles of distribution lines to serve 275 new consumers, which have already signed for electricity. Thirty miles of the new lines will be in Henderson and the remaining 120 miles will be scattered throughout Hancock County. It will be nearly 30 days before contractors can submit bids for construction of the new lines. The start of construction will depend on manpower and materials. The Stanley Engineering Company of Muscatine, have been selected as engineers for the construction of these lines.

Rural residents interested in being on the next proposed section which the cooperative will make, if they have not already signed up, are urged to sign at the Carthage office without delay.

Handle Electricity Carefully

Electricity may be new to you, but you have probably had considerable experience with a farm mule. Both a mule and electricity are sources of power, and what you get out of them depends upon how intelligently and carefully you handle them. The mule is a born rogue, and if not fenced in securely he will frequently be AWOL when you need him. If you do not confine your electric current in a good, tight wiring system it will probably be just as erratic. Makeshift harness and broken down implements can cause many mule-hours of delay in farm work. Defective connections and inferior appliances invite costly interruptions of production by power-driven equipment.

Approach a mule absent-mindedly, startle him with an unexpected touch and you will be fortunate if you dodge his ever-ready heels. Careless handling of energized electrical equipment is asking for a shock which you cannot hope to dodge once you have made an unlucky contact. A good rule to follow in handling either mule or electricity is keep alert and stay alive.

Child Recovers

Cary Jon Clark, 33 month old Carthage boy who was recently rushed to a Chicago Hospital, and who was believed to be a victim of leukemia, with only a short time to live—is greatly improved and on the road to full recovery. Doctors at the Chicago hospital were unable to establish a diagnosis of leukemia, and they believe that he was suffering from aplastic anemia which responds to treatment.

Cary's mother, the former Norma Bilderback, was an office employee of the Cooperative when the office was first opened. The boys parents are Mr. and Mrs. Howard Clark, and the paternal grandparents are Mr. and Mrs. Clifford G. Clark, REA members, near Carthage.

participated in various 4-H activities later.

Wives of both men have made projects of raising chickens and both use electric brooders. Together this year they raised 700 chickens.

NEWS FROM M.J.M. Co-op

Carlville, Ill.
A. C. BARNES, Mgr.

Notice Members

We wish to repeat that the office of the M. J. M. Electric Cooperative, Inc., will be closed at 12 o'clock noon every Saturday and will remain closed for the remainder of the day.

Also, please notice the change in telephone number of the manager—New number—A. C. Barnes, Carlville, 627-L.

June Operating Report

Number of Miles Energized	689
Members Billed	1723
Revenue per Mile	13.58
Density per Mile	2.52
KWH Sold	209,260
Average Bill—Farm	\$5.86
Average Bill—Residential	\$3.27
Average Bill—Commercial	\$14.58
Average KWH Consumption	
Farm	132
Residential	51
Minimum Bills	399

Carlville FFA Boys Win at Greene County Fair

Macoupin county was well represented at the Green county fair at Carrolton in July. Sixteen vocational agriculture students from the Carlville high school department and six other showmen exhibited their livestock. The vocational agriculture students won in premium money in the Section 15 Voc. Ag. show, junior and open classes, a total of \$1,952.00 while the other breeders from Carlville won \$1,077.00 in the junior and open classes, making a total of \$3,029.00.

Those members whose sons exhibited and won prizes are as follows:

Bill Landgrebe: Brown Swiss cattle. Grand champion heifer in all three shows; reserve champion bull in Voc. Ag.

Wayne Bates: Black Poland swine. Grand champion, single barrow; grand champion sow; grand champion board; fifteen 1st place ribbons; grand champion steer of all breeds.

Leland Anderson: Berkshire swine. 1st boar pig, Voc. Ag.; 1st litter, Voc. Ag. Shropshire sheep grand champion, ram; reserve champion, ewe.

John Kessinger: Hampshire swine. Reserve champion, boar and litter, Voc. Ag.; Cheviot sheep, 1st, ram lam; 1st, pen of 3 lambs.

Leonard Hamman: Spotted Poland swine. Grand champion gilt over all breed, Voc. Ag. Shorthorn cattle, grand champion, bull, all 3 shows.

Fred Smith, Jr.: Duroc swine. 1st, junior year boar. Leghorn poultry, 1st, pen.

Don Love: Holstein dairy cattle. 2nd, heifer, 3 shows. Hereford beef cattle, 2nd, heifer, open and junior.

Mr. and Mrs. Falter Observed Wedding Anniversary

Mr. and Mrs. E. J. Falter, of Reader, entertained Sunday at the "Y" near their home, in observance of their 33rd wedding anniversary which was the 4th of August. Celebrated at the same time were the birthdays of Mr. Falter and Mrs. Lester Turner, whose birth dates were near that date also. A fish fry and chicken dinner were enjoyed, and a large angel food cake was decorated with the dates 1912-1945.

Those present were the following: Mr. and Mrs. Joseph Wheeler, Carlville; Mr. and Mrs. Lester Turner and son, Jerry, of Modesto; Mr. and Mrs. W. O. Stults, Mr. and Mrs. Jos. Falter, Wayne, Linda Maye and Ronald; Mr. and Mrs. E. J. Falter and son Edgar Jr., and his friend Russell Keagy, all of Reader.

Claude Wheeler Named as County FSA Committeeman
Gerald L. McConnell, FSA supervisor for Macoupin County, has announced that Claude Wheeler, of Bird township, has been named as the new county FSA committeeman. He takes the place of James Nixon, whose term has expired. The committee now consists of Chester Weller, chair-

man; Howard Day and Claude Wheeler.

The county committee reviews all applications for loans, and determines their eligibility. They confer with the local FSA personnell in developing an effective program adequately providing for various phases of rural rehabilitation, including farm operation, home economy, health and general living conditions.

Miss Irene Konneker and Harold Tindle To Wed Sunday

Mr. and Mrs. Otto Konneker of Carlville, have announced the approaching marriage of their daughter, Miss Irene to Harold Tindle, of Harvel, the wedding to occur Sunday, August 12th, at St. Paul's Evangelical church in this city.

Miss Konneker graduated from Carlville high school in 1943, and the past year was an instructor in the Harvel grade school. Mr. Tindle graduated from the Raymond high school, and is a farmer by occupation. They will reside on a farm near Morrisonville.

Mrs. R. K. Turner Dies

Mrs. R. K. Turner, Butler, died at the Deaconess Hospital, St. Louis, August 4th. She had been in failing health since last March at her home, Evergreen Farm, near Butler. The funeral service was held at the Bass funeral home in Hillsboro on August 6th. The Rev. T. G. Melton, Hillsboro, Presbyterian pastor, was the officiant. Burial was made in Ware's Grove cemetery.

Mrs. Turner was Fern Busby, a daughter of the late Elbert and Belle Busby, Butler. She was born at Butler on March 10, 1891. All of her life was spent in and near Butler. She was educated in the Butler schools and following her graduation she entered the Beethoven Conservatory of Music, St. Louis, where she was graduated in 1910. On March 24, 1915, she was married to R. K. Turner of Butler and they made their home at Evergreen Farm, which has been owned by three generations of the Butler family.

Mrs. Turner was a member of the Methodist church of Butler; of Butler Household Science Club, and of the Butler unit of the Montgomery County Home Bureau.

Service News Items

Robert L. Spinner, yeoman, third class, USNR, is assigned to the supply officer's office on Saipan, according to a naval announcement.

Spinner is a son of Mr. and Mrs. Leo Spinner of Hillsboro. He graduated from the Hillsboro community high school in 1941 and was an active member of the Rural Youth organization of Montgomery county.

Mr. and Mrs. Arthur Carlock were delighted to talk to their son, Clyde Carlock, SIC, Sunday afternoon. He called them by telephone from Norfolk, Va. He said that his outfit's work in the Atlantic was done, and that they were ready for other areas.

Pvt. Plunkett Helped Stop Jap Attack

Pvt. Donald J. Plunkett, 19, of Hillsboro, helped to break up a Japanese counterattack during the battle for Yellow Tail Ridge in the closing days of the Okinawa campaign, a public relations release to the News says.

A scout in a rifle company of the famed 7th Division, Plunkett engaged the attacking Nips from a water-filled foxhole, killing one of the enemy just before he could throw a grenade toward American positions.

A total of 52 Japs died in the action which paved the way for the final Yank advance on the strategic hill.

Pvt. Plunkett entered the army in August, 1944 and took part in his first combat operation on this home island of Japan.

A son of Mrs. Mae Plunkett, RR 1, Hillsboro, he worked as a farmer before his induction.

Member News Items

Robert Kallal, son of Mr. and Mrs. J. S. Kallal, is in San Diego, Calif., sent there on government research work.

Mr. and Mrs. Garold Pontius of Carlville are the parents of a daughter, Mary Sarah Ann, born July 15,

Mr. and Mrs. M. B. Young and daughter, Miss Demova, attended a fish fry at the Greenville park Thursday evening, sponsored by the office force of the Bond county farm bureau, as entertainment for their members. An orchestra furnished music for the event.

Born to Mr. and Mrs. Clifford Greenwood, Friday, July 5, at Hillsboro Hospital, a new daughter, their first child. She has been named Joyce Kay.

"As we have moved out of Carlville electric district we wish to say that we had excellent service and thank you for your courteous treatment in serving us."—Oren Alred, Greenfield.

"Thank you so much for fixing the line and we also have a new milk machine and like it fine."—Urban J. Spinner, Hillsboro.

Mr. and Mrs. Wm. Culp announce the marriage of their daughter, Helen Culp, to Sgt. Frederick Miller, only son of Mr. and Mrs. August Miller. They were married at Wichita Falls, Texas, July 9th. Sgt. Miller has been in the service three years. He is an instructor in radio mechanics and is now stationed at Sheppard Field, Texas. The couple are residing at the present time at Wichita Falls.

Welcome New Members

Ira Shanks, Shipman; Bertha Heraty, Fieldon; George Luft, Mt. Olive; John Killebrew, Kemper; Clyde Cox, Jerseyville; Roscoe Sample, Donnellson; G. F. Henneghan, Jerseyville; Louis Haven, Jerseyville; Marcus Buis, Jerseyville; John Duecker, Brighton; Cyrus Austin, Brighton; A. J. Kitzmiller, Jerseyville; Henry Chapline, Hillsboro; Mona Gillespey, Macoupin; Wm. Roach, Jr., Litchfield; Charlie Ruelle, Staunton.

NEWS FROM Corn Belt

Bloomington, Ill.

T. H. HAFER, Supt.

Stormy Summer in Central Illinois

Nineteen Forty-five will be remembered by central Illinois farmers as one of the unusually stormy periods. Another storm hit us Sunday evening, August 5th and this time seemed to be much worse in our Clinton area whereas the previous storms had been worse in the Bloomington area. We have had reports of at least eight or nine barns hit by lightning and burned during this one storm within the area which we serve. When that kind of lightning is in the air we can hardly expect that our 1850 miles of line will escape some trouble.

The Clinton crew was out working steadily from Sunday evening until late Monday evening. The Bloomington crews finished their rush calls by Monday morning.

Oil circuit breakers which had been installed during the war on the LeRoy and Tazewell substations minimized storm trouble to some extent, and we want our members to know that these breakers have been ordered for the other substations about six months ago. We expect them in sometime this fall. The advantage of these breakers is that if a temporary short circuit happens on the line they will close again and try to keep the service on. However, if a short circuit is permanent then the breaker locks open and the line is off until the trouble can be corrected.

We would like to remind our members again to please report any trees or tree limbs which have fallen on the line near their farm so that our men can take care of them before they cause trouble if possible. Also on your June and July meter cards was printed the telephone numbers of our office and linemen who should be called in case of trouble. We hope most of you saved this card for reference.

Gingles Resigns as News Editor

We are very sorry to hear that Mr. Russell Gingles, our genial editor for the past two years, has re-

signed. We are very glad to hear however that he has a very fine job with the National Electrical Manufacturers Association in New York.

Many of you will member Mr. Gingles who has been present and talked to us at two of our annual meetings. Some of you will also remember him as the man with the camera who has stopped at your farm to get pictures and stories which would be of interest to other members.

During the period that Mr. Gingles has been editor he has guided the Illinois REA News from birth to its present circulation in excess of 28,000. He has not only been editor but has also been salesman and business manager. The latest report of the finances show that the cost to the co-ops will be reduced in the future because of his management and salesmanship throughout this two year period.

We will all remember Russ Gingles as a man who had the best interests of the REA co-ops of Illinois in his heart and who was always willing to go the second mile in order to put the job across in a successful way. We want to wish him the highest success in his new position and invite him to come back and see us at any time, and also to ask for our assistance in any way we can be of help to him.

Now that we have said this we would like to offer him a little advice. He should be careful in entering hotel lobbies in New York City. (We understand that in one hotel lobby in Illinois at dusk, the light had not been turned on and he tried very hard to get the other man in the room to tell him where the light switch was located. After he had asked several times and received no answer, a third party appeared and turned on the light whereupon Mr. Gingles found himself talking to himself in a large mirror on the wall.)

Girl Killed By Faulty Pump Wiring

We have been warning our members for several years that their wiring must be properly installed or it is very dangerous. We are glad that most of the hazards created by bad wiring never result in anything more serious than a slight shock.

In July, however, in one of the neighboring co-ops a little eight year old girl took hold of a water faucet at the pump in the yard and received sufficient electric shock to result in her death. Inspection later revealed that the pump and motor had been wired after the main wiring on the farm had been inspected and passed. The wiring to the pump motor was such that the vibration of the pump had rubbed the insulation off and when the bare wire contacted the metal the electric current was carried to all parts including the faucet.

We repeat again that we recommend to our members that they have the additional wiring on their farm inspected and that they have only qualified electricians do their wiring. Any member who desires wiring inspected may call or write the co-op office and the inspector will call, the next time he is in that vicinity, for a fee of \$1.00.

Electrical Fires

Do you know that faulty electric cords cause more fires in farm homes than any other cause.

One hundred fifty-two out of 628 fires were caused by cords used as line wires, cords that were worn out or damaged, cords that were spliced, cords that were too small for the load, cords under rugs, cords hung on nails, cords that were kinked, cords under windows, cords through walls, cords.

Better check all of your cords, replace the worn ones, see that the plugs are securely fastened to the cord. Cords should be run in the open where they can be seen and disconnected when not in use.

Don't have a cord fire.

Improved pasture should not be grazed until well along in the summer in order to allow the new seedings to become well established.

NEWS FROM McDonough

Power

Macomb, Ill.

RAY GRIGSBY, Supt.

Your Cooperative has been granted an increase in its loan of \$180,000 for the construction of the "D" Section. This is the section that was made up and submitted for approval back in 1941 prior to the start of the war, but was left in the formative stage due to the fact that all construction at that time was stopped. However, last fall and winter we received something like 350 additional applications for membership, which we had hoped could be included in this build, but due to a shortage of both money and materials at this time, apparently only the first section can be constructed. This will mean the applications that were made prior to 1942.

While there may be some few late applications along those present lines that will be served with the first build, the majority of late signers will not be included until "Section E" is approved. That map is also being submitted for approval and allotment, and may be received in time so that the two sections can be constructed together.

You may rest assured that everything possible is being done to bring service to the unserved areas as rapidly as possible and we hope that everyone will be patient until that time can be brought to pass.

Your Cooperative in the last two or three weeks, has been able to get together a crew of men to trim the trees and remove any dead or decayed trees along the present power lines. That crew began work on the first of August and will continue until the trees along the lines are all trimmed, and we are going to ask the cooperation of all the farmers living along our power lines in granting permission to trim the trees, to remove the weak or decayed trees, and to assist us in keeping the sprouts and young trees from the fence rows under the lines, so that this will not become such a problem again.

We have had to neglect this much-needed work for quite a while due to the manpower shortage and other factors beyond our control. We are also going to request that if possible, the members along the lines cooperate with the men a little in the disposing of the brush, allowing them some place where it may be piled until it is dry enough to burn, for at this time of the year it is almost impossible to burn green brush until it has been dried at least for a reasonable length of time.

If you have any decayed, bad trees that you wish taken out along the lines, please notify us and a list will be made and they will be taken care of in due time. Again we thank you for your cooperation.

On Friday evening, July 27, members of the Board of Directors and employees of the Cooperative attended a potluck picnic supper in Glenwood Park, Macomb, in honor of Lt. Col. E. G. Mull, and S 1/C Orin Graham, two former employees now in the United States Service, both returned from overseas assignments.

Lt. Col. Mull, or "Gus" as he is known to us, was Assistant Engineer on our "A" and "B" Sections of construction, and Chief Engineer on Section "C". He was called into the Army in June 1942, has been overseas in the European Theater of Operations for 33 months.

Seaman Graham, "Orin", has been with our organization since the time it was first energized, as groundman and lineman, until the time he was inducted into the Navy in January 1944. He has been out of the States since March 1944.

Both men are home on 30-day furloughs and will report for reassignment.

Unelectrified Farming Era Gone For Good; M.J.M. Members Happy.

Guernsey Herd Is Started By 4-H Club Work

MR. AND MRS. LEE NAIL
FIND POWER IS WORTH
UNTIRING EFFORTS

It would take super-salesmanship and some mighty fast talking to convince the Lee F. Nail family, M.J.M. Electric cooperative members, that the unelectrified days were the "good old days" in the dairy farm business.

Take away electricity and you're back to hand milking, heating water on the wood and coal burning kitchen range, kerosene lanterns, ice coolers, AND, Mr. Nail and son, Louis, add—no electrically operated radio in the barn. When it comes to comparing costs there is another point to contend with: It costs the Nail family an average of only \$10 per month for power to run their dairy equipment and all of their household appliances, whereas the cost of ice alone for use in the milk cooler in the "good old unelectrified days" totaled \$30 PER MONTH.

Mr. and Mrs. Nail were among the leaders in efforts to have REA service brought to their area, Mrs. Nail particularly making the rounds of neighbors to sign up members in the cooperative. It was hard work, they said, but the electricity they eventually received has been worth fighting for. They'll take the present electrified farm era in preference to the so-called "good old days" when farmers yearned for the power-operated equipment they thought they could never have.

Purebred Stock

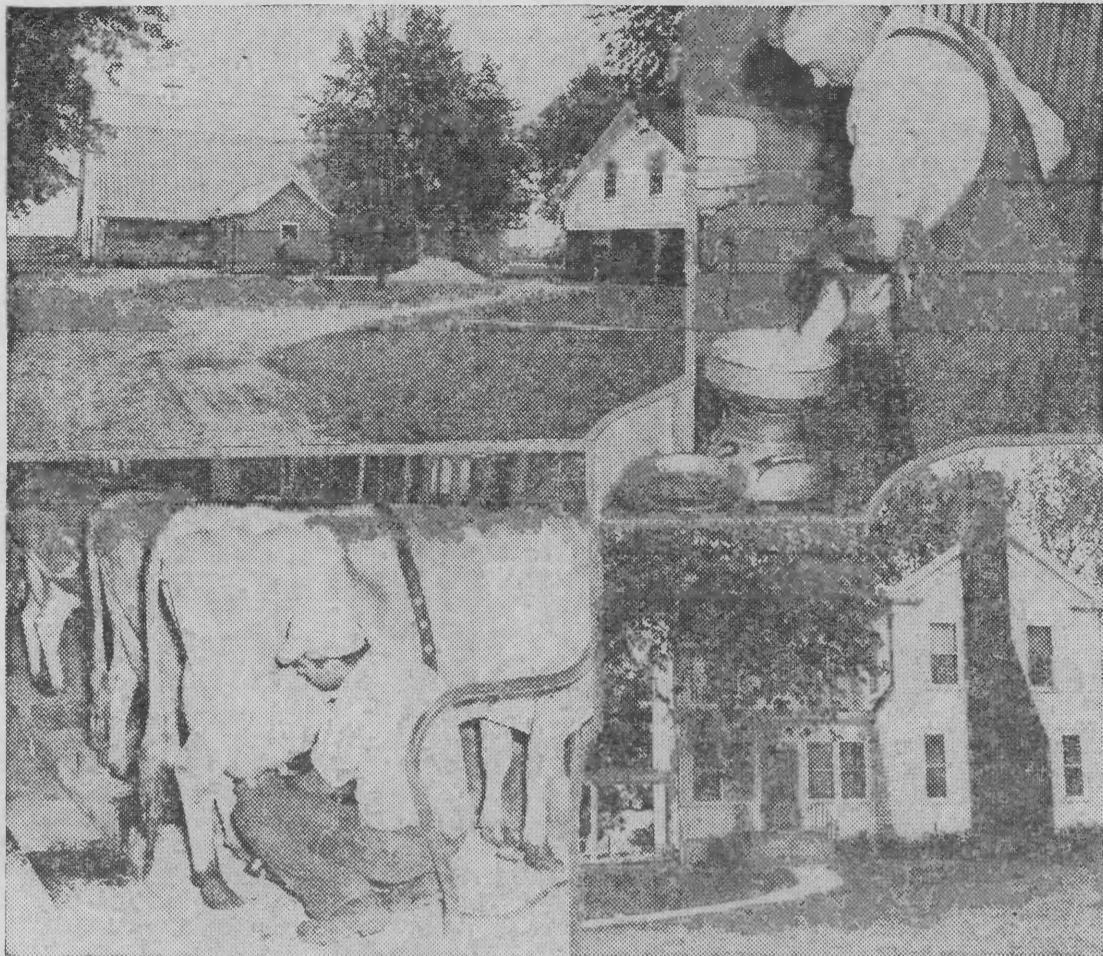
The Lee F. Nail farm, located 2½ miles east of Jerseyville, is stocked with purebred Guernsey cattle, the herd having been started by Mr. and Mrs. Nail's son, Louis, in his 4-H days. Louis, a sophomore at the University of Illinois until he was needed at home to help operate the 278-acre farm, showed his interest in Guernsey cattle when a small boy—and began devoting his summers to showing stock and collecting blue ribbons on the state fair circuit when only 13 years old. Louis' sister, Margaret Lee Nail, now employed as a secretary in the Jacobs Lumber company office in Jerseyville, also was an enthusiastic 4-H member and won her share of prizes with her club Guernsey during time spent in club work.

While Margaret's interests changed to more feminine pursuits in recent years, Louis continued his cattle raising activities, reaching a climax when his Guernsey bull was awarded first prize in the Illinois class and second in the open class at the Illinois State Fair. In 1940 he had the grand champion cow in the Illinois 4-H show. It is easy therefore, to see from such outstanding records how the farm moved into the purebred Guernsey field.

Water Systems

Water on the Nail farm is electrically pumped to the residence, milk house and barn, and plans are to install drinking cups at the stanchions, a move which by now has probably been completed.

Dairy activity is conducted on a business-like basis, with Louis in charge of the milking machines and Mr. Nail spraying and stripping the cows, weighing the milk and pouring it into cans for storage in the electrically-operated cooler prior to collection by milk trucks. The spic



ELECTRICITY IS A PARTNER IN THIS DAIRY FARM BUSINESS—Photo at the TOP LEFT shows the Lee Nail dairy barn and a portion of the garage and utility building. Because of the high quality of milk produced, electrical equipment used and the cleanliness of the barn and milk house the Nails receive a premium for their milk in the St. Louis market. LOWER LEFT photo shows Louis Nail adjusting a milking machine unit on one of the farm's high producing purebred Guernsey cows. LOWER RIGHT photo shows what can be done when couples like Mr. and Mrs. Nail decide to remodel, electrify and modernize an old farm residence; in the photo at the UPPER RIGHT Mr. Nail pours milk into one of the waiting cans preparatory to placing them in the electrically-operated milk cooler. Louis has a record of always bringing home at least one blue ribbon in all but one of the state 4-H shows in which he competed—that single show exception found his sister, Margaret Lee, copping top honors.

and span milk house, which is connected to the dairy barn by a small hallway, contains stationary tubs, running water, cooler and electric hot water heater. A total of 75 gallons of milk is produced daily at the Nail farm.

The farm residence has both soft and hard running water and was completely remodeled for occupancy July 4, 1944. The Nails have three radios, one of which is in the barn—"the men can't seem to milk any more without music and the latest news reports," Mrs. Nail laughingly tells her hard-working husband and son. Her own pride and joy is her electrically-equipped kitchen, with its built-in cupboards, electric range, refrigerator and spotless, white enam-

eled sink. She says that electricity operates eighteen different appliances and equipment units in the house and on the farm. Mrs. Nail washes with an electric washer and the large residence is heated by a stoker. This year she raised 200 chicks with her electric brooder—and next year plans to increase this goal to 300.

Electricity, this typical rural family says, is one of the factors which make children appreciate a farm home for it combines utility and pleasure. "I believe," Mrs. Nail said, "that the coming of the REA high line and the opportunities afforded to bring city conveniences to the country have made rural families happier than they ever have been before."

Vast Market Seen for Electrically Operated Equipment in Farm Areas

Problems of Design and Service Are Faced by Appliance Firms

William J. Neal, deputy administrator, in taking a look into the post-war electrical appliance field predicts that farmer-purchasers will install in the first five years after they get service a total of \$414,000,000 worth of electrical appliances and equipment, \$81,506,250 in plumbing fixtures and spend \$150,075,000 for wiring.

In further detailing market prospects, he said: "We estimate that present-members of REA cooperatives, those who already have power, will spend \$300 each for additional electrical equipment within five years after the war, and that half of them will install plumbing costing an average of \$225. To operate this new

equipment they will need additional wiring, for which they will spend an average of \$40.

"Inasmuch as about 950,000 farmers now get REA service, these expenditures will total \$285,000,000 for appliances, \$106,875,000 for plumbing and \$39,000,000 for wiring, a grand total of \$429,875,000."

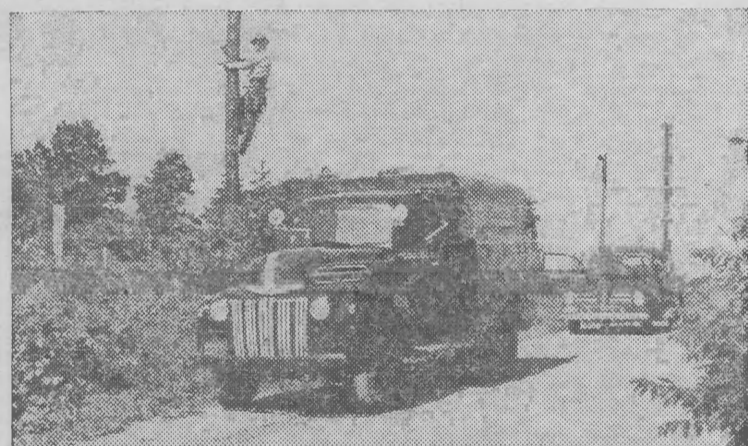
Vast Market

Mr. Neal predicted that the biggest post-war appliance sales in co-op areas will be to newly connected consumers. REA expects, he said, that 1,035,000 farms and almost 295,000 non-farm homes and other rural places will be connected in the years ahead. These farms will spend an average of \$400 each for appliances and 35 per cent of them will install an average of \$225 worth of plumbing; the average wiring installation will cost about \$90, he declared.

This big potential market, Mr. Neal

believes, can be captured by private business on condition that the manufacturers "design, dependable" appliances applicable to farmers and retail them at reasonable prices." He also believes that with sales must come adequate service in rural areas.

New Truck Added To Geneseo Fleet



Keeping pace with better and strictly modern equipment as the project increases in membership and territory, Farmers Mutual Electric Cooperative of Geneseo has recently put its new 1½-ton truck into service.

The truck, shown above standing by, while Walter Neuleib, lineman, climbs one of the co-op's poles, is one of the best equipped for line maintenance work in the state. The chassis has a specially built utility body and its steel-covered interior has a place for every tool, hotstick and piece of material needed on the job. There also is a large metal water thermo-jug on one side.

Line material, meters and tools can also be carried in all-weather compartments on the side of the truck. Doors, which form sturdy shelves, open downward from the compartments permitting workmen to make necessary adjustments or repairs. Its two spotlights on either side of the cab also come in handy on those dark rainy nights when a strong beam of lights is necessary in shooting trouble along the line.

The pictures used in connection with this article were taken as Neuleib and his helper, Neal Heller, were in the process of adding three shot fuses to the line near Atkinson. Interested spectators on the job were

"GI" Farmers May Obtain FSA Loans

Returning servicemen with a yen for farming are eligible to borrow a part of \$25,000,000, which Congress authorized Farm Security Administration to lend, starting July 2. Loans are being made through 2,000 county offices.

A veteran may borrow money to cover full purchase price of a farm. He is allowed up to 40 years for repayment, paying a 3 per cent interest rate on the unpaid balance. It is the applicant's responsibility to find the farm he wishes to purchase. The farm is then appraised. A loan is made only when the purchase price is in line with the farm's actual value, based on its long-range earning capacity.

Already FSA has received applications from more than 2,000 discharged veterans. Sixty farms have been financed. In addition to credit assistance, FSA provides retraining and on-the-job vocational guidance. More than 2,500 veterans have obtained rehabilitation loans to finance purchase of machinery, livestock, feed and seed so they could resume farming, most of them on rented land. FSA's local offices assist these men to carry out sound farming operations.

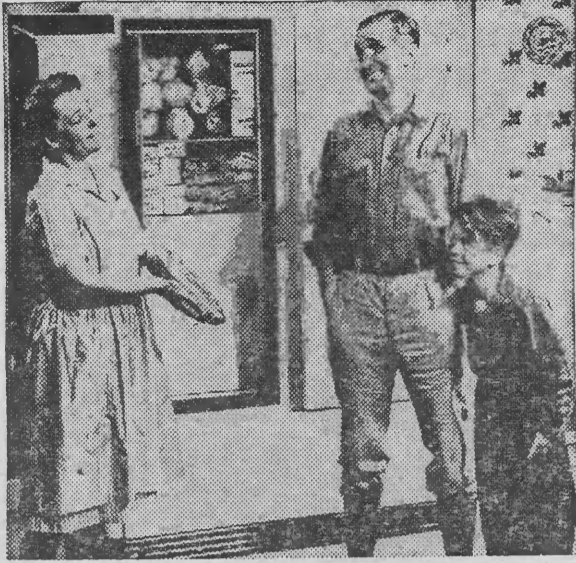
Hogs eat most and make the most rapid gains when feed is before them at all times. Plans for self-feeders are available at farm adviser's office.



JUST WANTED TO SEE—if the job was being done right . . . and so it was, according to Roberta, Rita and Larry Cartom.

Roberta, Rita and Larry Cartom, daughters and son of Mr. and Mrs. Mel Cartom, co-op members who reside nearby. Trudging down the road, the trio of youngsters paused only long enough to see that Walter and Neal could handle things correctly and that the electric service at their farm home would not be interrupted for any great period of time during the work.

Farmer's Dream Come True... Westinghouse Farm Freezer



The new Westinghouse Home Freezers will be like a dream come true. Think how grand it will be to enjoy tender spring broilers, beef, or corn-on-the-cob whenever you want them . . . strawberries in January as well as in May!

Planned in a range of sizes for city and farm, these Home Freezers by Westinghouse will freeze and store enough food for 6 months or a year . . . and handle your frozen food requirements regardless of the size of your family. You'll especially like their upright "Reach-in Convenience" . . . ingeniously designed so it's easy to store packages and locate them quickly without rearranging everything in the freezer. And remember, they will be made by the same folks who were famous for Refrigerators before the war . . . in fact, who built 30 million pre-war electric home appliances.

No, these grand Westinghouse Home Freezers are not now available. But some glad day they will take their place alongside all the other modern electrical work savers for the farm . . . feed grinders, milk coolers, water pumps, electric brooders, electric motors, and others. When that happy day comes you'll truly know "There's a Lift to Living Electrically!"

Effective Control of Livestock

Your assurance of safety & dependability.

The Prime Electric Fence Controller has all of the following advantages:

1. Alternating current on the fence
2. A stronger shock
3. A longer shock
4. Less current leakage
5. Low operating cost
6. U. L. approved — safe, dependable.



SEE YOUR LOCAL WESTINGHOUSE DEALER FOR ALL YOUR ELECTRICAL REQUIREMENTS. Westinghouse Electric Supply Co.

Forester Says Now Is Time To Make Trees Pay

If you have timber and are short on annual crops to use your time to profitable advantage, now is the time to make the farm woodland pay off, believes J. E. Davis, extension forester, University of Illinois college of agriculture and State Natural History Survey.

"War industries need wood products, but they don't have the labor to cut and work up the trees," Davis said. "Here is a good chance for woodland owners to cash in on marketable wood products. We will help where we can in selecting trees and finding markets."

The forester said that with the end of the war in Europe the demand for lumber has increased because the Pacific war requires more wood products per man than were needed in Europe. The shifting of troops from Europe to the far Pacific will require more lumber in 1945 than has been needed for any one of the war years.

Every sawmill needs sawlogs, according to the Illinois forester. Supplying the logs provides an opportunity for many farm woodland owners to help themselves and the mills.

Pulpwood is another badly needed forest product, and is one of the easiest crops to produce, according to Davis. Cottonwood, willow and soft maple are used mostly for pulpwood. Present specifications permit harvesting pulpwood without peeling off the bark.

Feltwood made from all native woods except hedge and black locust provides a good market, as it is used in making roofing felt. Ash specialty logs, oak stave bolts, hickory handle wood, mine props, fence posts and fuel wood are other forest products now in good demand.

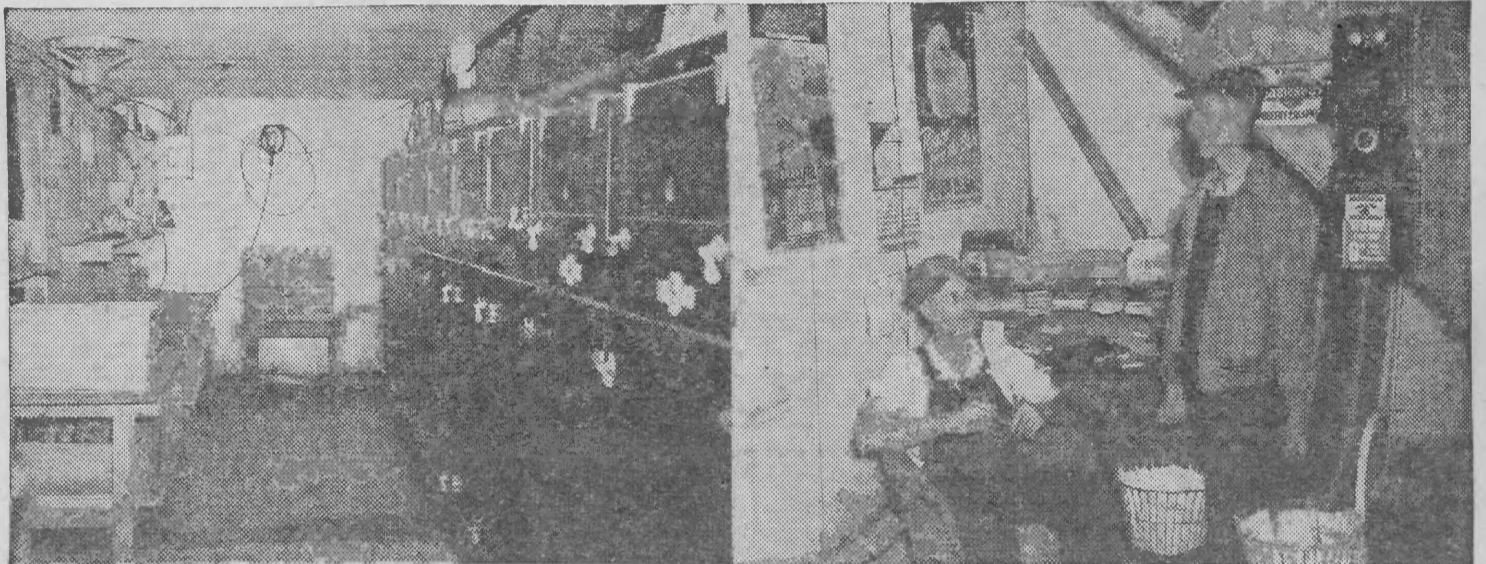
Big Horse, Mule Market at Anna Closes Up Shop

The W. H. Bishop horse and mule auction market at Anna, one of the largest organizations of its kind in the world, has closed—a casualty of the machine age.

The market's property, which includes six buildings valued at \$50,000, has been taken over by Claud Lee, grain, farm machinery and automobile dealer. Thousands of dealers from all sections of the nation attended the periodical sales held in Anna during the last seven years.

But the market in general has been dull recently for, as Mr. Bishop said, "The days of horses and mules are about over. New farm machinery is taking their place, and farmers now can do as much work with one tractor as they did before with fourteen mules."

Wise Operators Turn To Electricity When Hatching Best Quality Chicks



THANKS TO ELECTRICITY—all of this is possible, says Edgar Albrecht, hatchery owner and member of Southwestern Illinois Electric cooperative. UPPER LEFT is an interior view of the hatchery building, showing the battery hatchery units at the right and the important suction fan in the ceiling at the upper left. UPPER RIGHT shows Mr. Albrecht checking in two large baskets of eggs from the home flock as they are brought in by his son, Sherwin.

Hatchery Needs Power; Finds it Safe, Efficient

Co-op Member Aids Area Increase Eggs and Raise Chickens

Edgar Albrecht, who operates a thriving hatchery business, five miles west of St. Petersburg, Ill., is firmly convinced of the truth of an old saying—"you can take the boy out of the country but you can't take the country out of the boy."

He's tried it and he knows; for Mr. Albrecht once left the farm to work in the city. He made money, yes, but his job in a Detroit, Mich., automobile body factory lacked the freedom which the great outdoors held for him. With the money he saved in the city, therefore, Mr. Albrecht came back to farm and to direct his energies toward hatching and raising chickens.

Prior to 1940 the job, he admits, was pretty difficult. But the advent of rural electrification and the establishment of the Southwestern Illinois Electric Cooperative line in his area has changed things considerably—both from a profit and efficiency angle.

Starting with oil heated units, Mr. Albrecht turned to electricity and in 1941 built his present concrete and tile hatchery and began to add his present total of eight, compact electrically-operated hatchery units. In addition he operates seven electric brooders to help him raise his own

flock.

What's Happened

The establishments of a hatchery in the St. Petersburg area has done more than just profit Mr. Albrecht—it has raised the standard of flocks throughout the community and has increased the production of quality eggs. Most of the chicks from the hatchery are sold locally, but eggs which the hatchery can not handle even at its present capacity are shipped to cooperating hatcheries throughout the United States.

The electrically operated units have a capacity of 23,520 eggs and this year the hatchery produced a total of 87,000 chicks—"pretty fair," Mr. Albrecht says, "for a small hatchery." Eggs for the hatchery come from eighty blood tested flocks in the area, in addition to the home flock. Cooperating flock owners are paid a premium of 10 cents per dozen for the eggs, a factor which has influenced many farmers in becoming more interested than ever in chickens and egg production.

The hatchery generally is operated from January until June 1, with eggs received after that date being shipped to other hatcheries.

What does Mr. Albrecht think of electricity in connection with operation of his hatchery? "I couldn't operate without it," is his simple, direct reaction to such a question. In addition to enabling him to expand and operate economically, the electric hatchery and incubating units provide him with a maximum of safety from fire—always a hazard, he said, when oil burning equipment was used.

Fan Does Job

A new piece of equipment in the

hatchery building is a ceiling suction fan which draws the dampness out of the structure. It is powered with a one-third horse motor. An electric pump also draws water which drips steadily into the moisture-control equipment of the incubator units.

An indication of what lights can do for small chicks is shown in Mr. Albrecht's report that chicks gain up to two pounds in eight weeks with night lights on during the cold months. Because he is interested in quality rather than quantity of eggs, he says he does not keep his lights on in quarters housing older hens, working on the theory that chickens which are not "pushed" into laying more eggs than they normally would, provide fewer eggs but stronger chicks.

The hatchery is well lighted and eggs are weighed to see that they reach the standard weight of 23 ounces per dozen. A total of 20 cases of eggs per week are set during the busy season, while approximately 155 cases of eggs are sent to other hatcheries in this year-round business. Mr. Albrecht also sells his own recommended feed and in a recent 3-week period disposed of a half carload to neighboring flock owners.

To take care of the heavy load used by the hatchery, the cooperative has installed two 10 KVA transformers at the place. The Albrecht farm home is also completely electrified—but Mr. Albrecht's post-war plans call for the addition of another piece of equipment; an oil burner.

Despite the heavy use of electricity at the hatchery, Mr. Albrecht's bill which includes lights and power at home, totaled only \$211.90, from



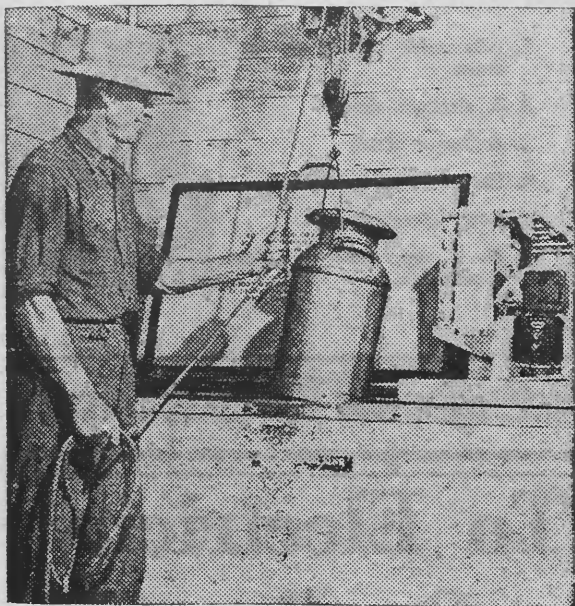
ELECTRICITY SERVES ANOTHER PURPOSE—in the hatchery; this one illustrated above is the important job of "candling" eggs, with the modern "light" method being performed by Mr. Albrecht.

June 20, 1944 to May 20, 1945. During this period he used a total of 10,118 kilowatt hours.

During the heavy hatchery months of March, April and May his kilowatt hours of power used ranged from 2192 to 2680 and his monthly bill ranged from \$16.18 to \$45.24. His monthly bill for the entire June 20, 1944 to May 20, 1945 period follows: \$9 (264 KWH) for June; \$7.18 (167 KWH), July; \$8.60 (237 KWH), August; \$8.69 (243 KWH), September; \$8.46 (228 KWH), October; \$9.26 (281 KWH), November; \$9.11 (390 KWH), December; \$10.89 (390 KWH), January, 1945; \$16.18 (743 KWH), February; \$37.92 (2192 KWH) March; \$45.24 (2680 KWH), April; \$41.37 (2422 KWH), up to May 20.

Electricity For Farm and Home

Electric Milk Cooler Takes "Guess" From Summer Temperature Control



Here's How Electric Milk Cooler Helps You —

1. Reduces the cost and labor involved in cooling of milk as compared to buying and handling of ice.
2. Eliminates rejections because of high bacteria count.
3. Gets higher prices for your milk.

"It was a bitter experience when I had several shipments of milk rejected one summer a couple years back—but now I'm glad. It taught me the importance of good equipment," declared a farmer, proudly surveying his neat milk house with its modern appliances. "Take that electric milk cooler, for instance. I don't have to worry now about high temperatures or too many bacteria in my milk. All in all, my cost of operation is lower and my profits larger."

And there are many dairy farmers who echo his words. Tests conducted by the Agricultural Experiment Station at Pennsylvania State College and the Texas A. and M. College give statistical proof of the minimized bacteria growth and economical operation when milk is cooled electrically.

Tests Compare Bacteria Growth

The Pennsylvania College test compared bacteria growth in milk cooled by well water with milk cooled electrically. During May and June the milk cans were placed neck-deep in well water in an uncovered tank. The temperature of the water averaged 65 degrees. The bacteria count was taken at milking time, again 12 hours later at the receiving station. The bacteria growth per cubic centimeter was amazing. In one instance, the bacteria had increased from 400 to 500,000.

During July and August, the Pennsylvania scientists tested milk cooled electrically. The results were conclusive proof that when milk is kept at a temperature of 40 degrees Fahrenheit the bacteria growth is only slight.

I. P. Blausier, agricultural engineer at the Ohio State University, declares that it is now "pretty generally agreed that milk will not retain its quality and freshness unless it is cooled to 50 degrees Fahrenheit or less within 1½ hours after it is drawn."

Even though milk is produced under the most sanitary methods it always has some bacteria in it—although very scant. When milk remains warm, the bacteria increase rapidly.

"Electric milk coolers offer a satisfactory means of cooling milk to a safe temperature within the time limit, at a cost that is usually lower than cooling with ice," declares Blausier.

Water Cooling Unsatisfactory

Cooling by water has been unsatisfactory because it is difficult to cool the milk much below 60 degrees. While low temperatures can be se-

cured with ice, it is expensive and difficult to keep a regular and adequate supply available. On the other hand, an electric milk cooler will cool milk to a safe temperature within the time limit, at a cost that is usually lower than cooling with ice.

"The costs of coolers range from about \$200 for one that will be large enough for 20 gallons of milk per day to about \$450 for one that will take care of 100 gallons of milk per day," declared Mr. Blausier. "Figuring depreciation on a 10-year basis, maintenance at 5 per cent and interest at 6 per cent, the fixed charges for a 4-can cooler are \$47.80 per year. With electricity at 3 cents per K.W.H. the power cost is \$43.20. That gives a total yearly operating and overhead charge of \$91.00. A premium of 15 cents per hundred pounds is not uncommon, and the extra income due to premiums would amount to \$172.80 for the year. That gives a profit of \$81.80 per year after all costs have been paid."

Some Coolers Available

When will milk coolers be on the market? They are available now in limited quantities—and will increase as manufacturers attain more materials and manpower. Prices are hard to ascertain as they vary according to brand, whether or not agitator is included, and upon the size of the compressor.

There are two types of electric milk coolers from which to choose. First, the immersion cooler. Here the cans of milk are put directly in a tank of refrigerated water and cool to 50 degrees F. or below within 1½ or 2 hours. If faster cooling is required, an agitator is used in the bath. The cans of milk are left in the tank until ready for delivery.

Secondly is the aerator and dry storage. With this type of cooler the milk is first cooled to below 50 degrees by pouring it over a refrigerated aerator. After being cooled, the milk is either bottled or put in cans before storing it in either a "walk-in" or "lift-top" refrigerated dry storage box.

Knowledge of modern horticulture and development of plant strains lead scientists to estimate 20,000 years as the time required to produce from wild grasses the various kinds of corn we grow today.

Three-fourths of the men and women who have left agriculture for military service or industrial war work will return to farming when the war is over, according to a recent survey.

Have You Heard?

America now has nearly 70,000,000 horsepower of installed electrical generating capacity, making light and power available to 107,000,000 people in homes and to 4,500,000 commercial and industrial establishments.

A six-volt storage battery being used in secret military operations is so tiny it can be held in the palm of the hand yet it can deliver enough current to light an automobile fog lamp for more than an hour.

One electrical manufacturer estimates that the American public will pay \$775,552,000 for 50,400,000 small electrical appliances and radios which it will buy in the first full year following reconversion. Excluding radios, sales of such appliances as irons, toasters, clocks, vacuum cleaners and automatic blankets will run to 35,400,000 items valued at \$320,302,000, it reports.

Electrical insulating enamel now being produced will withstand boiling water or ice water and a constant operating temperature of 500 degrees.

County Fairs Feature Labor Saving Devices

Contests for homemade farm machinery and labor saving devices are offered by at least 45 county fairs in the state this year.

A development of the war years, this new feature at county fairs has been gaining momentum as farm labor shortages became more acute. A. W. Kalbus, state supervisor of county fairs, points out. These exhibits bring out many ingenious devices from the inventive minds and hands of Wisconsin farm folks.

Prizes are offered for converted tractors manufactured from used automobiles, farm wagons on rubber, any homemade machinery or other article for use on the farm; homemade attachments on truck or tractor such as buckrake, woodsaw, manure loader; homemade attachments or devices driven by electric motors such as lawnmowers and emery wheels; homemade self feeders for livestock.

Classifications of this type are a reminder of exhibits at the early fairs in the middle of the previous century, Kalbus declares. In the 1850's "wonderful new farm tools" on display were made by the equivalent of the present farm shop mechanic.

At the Wisconsin State Fair in 1859 Abraham Lincoln in a public address questioned the value of the new-fangled "steam plows". And yet, farm machinery has made marvelous strides since those days of skepticism.

Perhaps, Kalbus conjectures, this modern version of homemade labor saving devices is a preview of the important part that new mechanical equipment will play in the future of farming.

IDEA LEAFLETS

The following bulletins tell how to make the most use of electricity on your farm. To obtain the bulletins, please send a self-addressed, stamped envelope to the Illinois REA News, Petersburg, Ill. If you order more than two, please add an extra stamped envelope because several of these leaflets are quite large.

- Facts About Milk Cooling
- Plans for Ear Corn Elevator
- Haydrier Data
- Farm-Built Hay Hoists
- Modern Farm Workshop
- Farm Garden Watering Guide
- Make an Egg Cooler
- Keep Power on the Job
- Safety Points on Electricity
- Small Portable Motor

Electricity Removes Scorch from Shirts

Science has brought grandmother's bleaching technique indoors. When a wife scorches her husband's best white shirt, it is no longer a calamitous event. Neither does the shirt need be hidden away until next summer's hot sun can bleach the ugly spot. No indeed—within 10 minutes that scorched spot may be made white. It's done with the electric sunlamp.

The parched area in the shirt is dampened, and the shirt is placed five inches under the sunlamp. After 10 minutes' exposure the scorch is eliminated. The scientists believe that the ultraviolet rays pump the life-giving water back into the cellulose fibres, and that the ultraviolet serves as a hydrator.

One large shirt manufacturer located in the East is already using standard electric sunlamps to elimin-

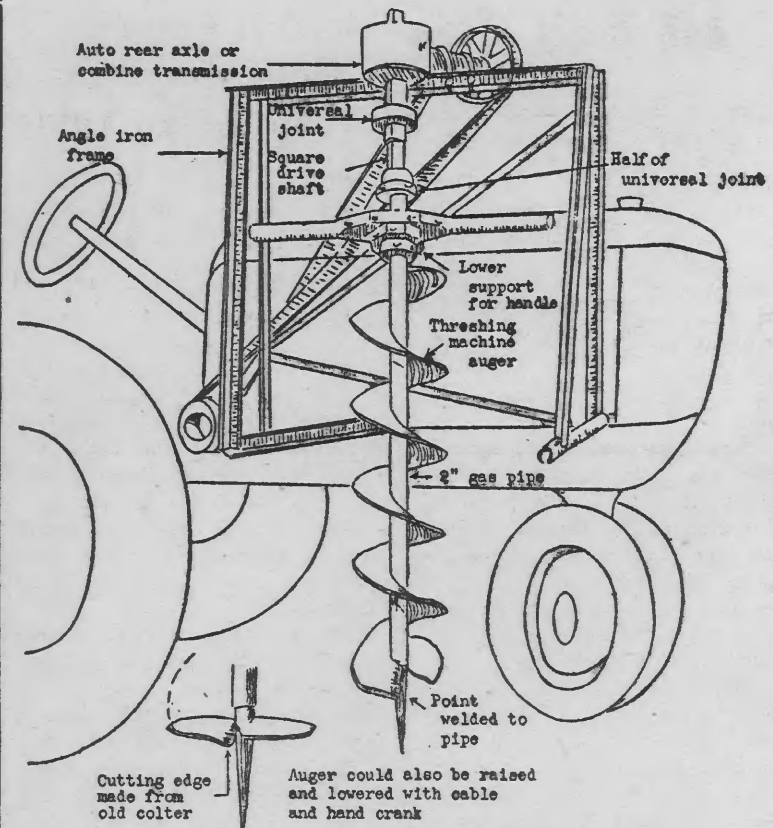
ate scorch marks. And though the process was developed for commercial use, it is expected that housewife and hand laundry will adopt the method. In fact, ultraviolet may offer a valuable bleaching tool for the entire industry reports a Westinghouse engineer.

Robot Adds Years To Life Of High Speed Machines

A balancing machine which checks vibration in motors, generators and other high speed electrical devices is adding years to the life of the equipment. The machine is so sensitive that it can detect a cause of unbalance as minute as a drop of water, or vibrations as slight as 100,000th of an inch. A robot "brain" then calculates where the equipment is unbalanced and the amount of weight required to restore balance.

Many counties report that farm families are repaying their FSA loans in full.

Make Post Hole Digger at Home Illinois Extension Tells How



Agricultural engineers of the Illinois College of Agriculture have worked out the plans on this page which makes it easy to build a homemade post hole digger from machine parts found on the farm and in junk yards. A few of the parts must be welded.

Construct the frame of angle iron, and mount it on the front, side, or rear of the tractor so that the power can be obtained from the belt pulley. The top of the frame, when mounted on the tractor, should be eight or nine feet above the ground. On top of the frame, mount the rear axle of an automobile or the power-take-off gear box of a combine, with the center part extending down to form a driving unit for the auger. On the end of one axle or shaft, place a belt pulley, which should be about 1½ times the size of the tractor belt pulley. The speed of the auger is controlled by changing the speed of the tractor engine. If the auger strikes a tree root, stone, or other obstruction, the belt will slip and thus prevent damage to the equipment.

If a car rear axle is used, cut off the other axle and housing a foot or so from the center and fasten the axle so that it will not turn. Attach to the shaft, extending down from the center of the axle, a universal joint of the type commonly found on the drive of an outside corn elevator.

The auger is usually taken from a threshing machine. If the auger pipe is too light or the hole is not large enough to take the square driveshaft,

replace the pipe with a two-inch gas pipe. The auger should be 50 to 54 inches long so that there will be enough of it above ground to remove the dirt. At the top of the auger pipe, weld a collar with a square hole, such as the spool used between disk blades or half of a universal joint, to form a driving unit for the auger. Weld a point six or eight inches long to the bottom end of the pipe. From an old rolling colter from a plow, construct a lip at the bottom of auger. In order to give clearance, cut the colter down to a diameter one-fourth inch larger than the auger itself. Cut the colter from the edge to the center on one side, and bend a lip down to form a cutting edge which pulls the auger into the ground. Getting the right suction on the lip is one of the most difficult jobs in building a post hole digger.

The drive for the auger is a square about five feet long. An old power-take-off shaft or the square arbor bolt from a disk can be used for this purpose. Bolt one end of this square rod to the universal joint which was attached to the rear axle drive, and shove the other end of the square shaft down into the auger housing pipe. Put a handle on the auger.

Two men are required to operate the auger part of the machine. Post holes can be dug at the rate of one a minute if there are no obstructions and if stakes are set to mark the holes to be dug. A hand-operated winch can be used to lower and lift the auger.

Farm Shop Just Right for Use as Office, Shelby Member Discovers



Desk Has Place Among Tools To Aid Book Work

Jesse L. Pearson Helped Area Get REA Power; Chosen Supervisor

If you want to find Jesse L. Pearson, member of Shelby Electric cooperative and supervisor of Penn township, when his field work has been completed and he has a few moments to spare—you'll probably locate him at his desk in his electrically lighted and equipped farm shop.

Here under good electric lights and with his radio tuned to the latest news events or an entertaining musical program, Mr. Pearson works on his farm account books, township reports, plans for another bond drive or goes over some information which help him in his duties as director of Cherry Grove rural school.

You'll also find him or his son, Scott, in the farm shop on rainy days when there is time to make repairs or build some special type of equipment—jobs which are made easier for them, thanks to power-operated devices such as their lathe, bench saw, planer, grinder, two hand drills and sander. Among the latest devices turned out in the shop is a bean cultivator, made out of an assortment of parts purchased at various implement and farm stores.

Builds Houses

What Mr. Pearson wants most at the present time is an approved welder so that he can add to his equipment line and save time and precious gasoline and tires by making necessary repairs at home. One of those busy farmers with an aptitude for mechanics and carpentry, he has also constructed several houses in the neighborhood as well as helped out several of his neighbors when their machines needed some work done on them to put them back in food producing service.

With the part-time help of his two sons at home, Scott, a junior, and John W., a freshman at Bethany high school, and a hired man, the Pearsons farm a total of 380 acres. The majority of the crop land is planted in corn and soybeans. Cattle, seventy-five hogs and thirty sheep make up the livestock population of the farm. Electric brooders helped this year in raising several hundred chickens.

The couple is looking for an electric range to add to their washing machine, refrigerator and many other household appliances.

Mr. and Mrs. Pearson have two sons in military service—William L. Pearson, a metalsmith first class, has been in the navy six years and was

NO DOUBT ABOUT IT—POWER HELPS THE FARMER—says Mr. Pearson. In the UPPER LEFT photo, Mr. Pearson is shown in the driveway of his electrified corn crib and granary, with his surface corn and grain dump elevator hopper in the foreground. Produce is elevated into overhead bins. The CENTER photo shows Scott Pearson using an electric gas pump, while his sister, Helena, 5, sees that the camera man points his lens in the right direction. In the photo at the EXTREME RIGHT, Scott goes to work with an electric drill in the Pearson's well-equipped farm shop.

Menard Votes To Raise Limit On Mortgage Value

With approximately 450 persons present, members of Menard Electric cooperative of Petersburg voted unanimously in emergency session August 2 to ask the Rural Electrification Administration to increase the co-op's present mortgage limitation.

Such a request was made necessary in order that the cooperative may borrow from REA enough money to improve the system and make provisions for increased loads on the line. Menard leaders say that new feeder lines and increased sub-station capacity are needed to provide adequate voltage for present and future equipment.

Additional funds also are needed to build lines to serve Menard members whose premises have not yet been connected as well as to provide future extensions to new members.

The meeting was the second held by the cooperative, an insufficient number being present at the first session to constitute a quorum. The resolution to ask REA to increase the co-op's present mortgage limitation above its current \$3,000,000 was made by Jacob Bast of Tallula. John Taylor of Pleasant Plains moved that the resolution be adopted and Clarence Hansmeyer of Havana seconded the proposal. In addition to the large crowd present, more than 600 proxies had been obtained favoring the resolution. Henry Colby, president of the co-op, was in charge of the meeting and A. E. Becker, manager, explained the need for additional funds to make necessary improvements.

REA Co-op Takes To Air; Patrols Lines by Plane

Lincoln Electric cooperative of Davenport, Wash., has taken to the air in its job of patrolling lines. Commenting on the procedure, co-op leaders said:

"Beyond a doubt this is a very quick and efficient way to check those lines running through canyons and other places where it is ordinarily necessary to patrol on foot."

aboard the submarine which was so widely publicized as having sunk several ships in Tokyo harbor, and Sgt. Charles R. Pearson, now at Camp Livingston, La. William has been in three major battles and holds the Presidential Citation for his sub's daring exploits.

Co-ops Work on Improving Methods To Unload Poles Easily and Safely



HERE'S HOW ADAMS DOES IT—A grapple hook lifts the pole out of the car and lets it down on skids attached to the car. Just release the hook and let the pole slide down toward the pile, workmen say. The accompanying story tells how one co-op does this job quickly, efficiently and easily.

Unloading poles is always a difficult and, at times, hazardous job—one which must be done carefully and one for which new methods are constantly devised and cautiously tried out.

With these thoughts in mind, Dean Searls, manager of Adams Electric cooperative and secretary of the Illinois REA job training and safety committee, is constantly on the alert for ways and means which will take the danger sign off the pole unloading chore.

The method in use when the above pictures were taken was as follows: Skid poles were bolted to the flange along the side of the railroad car. The single winch truck was driven to the opposite side of the car and a grapple hook attached to the boom.

After the hook was attached to the pole, two men guided it to the top of the skids where the pole was held in place by the nuts jutting up above the skids. This is a natural consequence since the bolts were in-

serted through the car flange and the skid poles from the bottom rather than through the top.

When the pole had been steadied on the skids, the hook was released and the pole allowed to roll down toward the pole pile.

Changes Made

The acquisition of a second winch truck, however, has permitted the cooperative to revise the procedure somewhat and add other safety features.

In using the method described it was discovered that the bolts held the skid poles too rigidly against the car and that it was not possible to move them readily when a shift was necessary to compensate for the increasing height of the pole pile. Under the old method, workmen were forced to drive the single winch truck around to the pole pile side of the car; unbolt the skids and lift them with the boom into the desired new position. Some risk was involved in this operation as it was possible for the skid poles to slip during the moving pro-

cess in consequence of the weight placed on the farther end where unloaded poles had jammed up.

Under the most recent procedure, the skid poles are securely tied to each end of the car. Not being rigidly held in place, they can be readily shifted to a higher or lower position by means of the second winch truck which is held in readiness for this purpose near the mounting pole pile. The grapple hook, however, is still used to hoist the poles out of the car and they are still guided down the skids by men at either end of the pole.

Mr. Searls has recently ordered a much heavier hook than is now in use and feels that revisions in the method adopted for unloading poles at the Camp Point siding is the safest yet devised by the cooperative.

NEW OFFICERS—

(From Page One)

state-wide board following the closing business session of the convention.

Mr. Welsh, president of McDonough Electric Cooperative, was elected vice president of the state-wide organization since its formation. He announced his resignation as president of the state board at the last meeting of state-wide directors saying that his farming activities were too great at present under existing labor shortage problems to permit him to give as much time as he thought necessary to association problems. He will, however, continue to serve on the association board.

Everett R. Read of Elizabeth, member of Jo-Carroll Electric cooperative, was elected vice president of the state-wide, to succeed C. V. Swanson of Paxton, who retired from the board this year. E. Clyde Lewis of Ashland, member of Menard Electric cooperative, was reelected secretary and treasurer, and A. E. Becker, manager of Menard Electric cooperative, was renamed state-wide coordinator.

Other members of the board, in addition to officers, include Mr. Welsh, J. Wesley Barth of Wayne-White Counties electric cooperative, Vincent Albers of Clinton County Electric cooperative, R. L. Stanford of Eastern Illinois Electric cooperative, Norman McCoy of Shelby Electric cooperative and Harry Sickmeier of Egyptian Electric cooperative.

Mr. Albers succeeds A. E. Drennan, Tri-County Electric cooperative; Mr. Sickmeier succeeds W. L. Bradley, Southeastern Illinois Electric cooperative, and Mr. Stanford succeeds Mr. Swanson, Illinois Electric cooperative. A. W. Lilienstein of Petersburg was retained as association attorney.

NEWS FROM Wayne-White

Fairfield, Ill.

F. A. TANNAHILL, Mgr.

BOARD OF TRUSTEES

Pres., J. Wess Barth, Cisne.
V. Pres., Harold Shepherd, Albion.
Treas., L. M. King, Mill Shoals.
Sec., Frank Gray, Sims.
Evans Williams, McLeansboro.
Lawrence Dolan.
Irvin Yohe, Mount Erie.
G. O. Moreland, Norris City.
G. O. Deem, Geff.

MANAGER

F. A. Tannahill, Fairfield, Illinois.

In case of emergency call before 8:00 a. m. or after 5:00 p. m., call the following: For Carmi, McLeansboro, Norris City and vicinity, call Chalon Carter, phone No. 123, Norris City.

For all of Edwards County, all of Wayne County, Crossville, Calvin, and Phillipstown, in White County, call F. A. Tannahill, Phone 156J, Cloyd Mosgrave 60M, Norman Davis 18F21; or Bill Fleming 14M, all of Fairfield, Illinois.

* * *

First 20 Meter Cards to Come In

Perry Young, No. 1, Fairfield; Dan Carter, Carmi; L. E. Elliott, Cisne; R. B. Bunting, Geff; Guy McKibben, Ellery; James W. Miller, West Salem; Owen J. Chaney, Rinard; Harold Riggs, Golden Gate; Floyd Tackitt, Xenia; Lloyd Taylor, Bt. Prairie; Lena Bender, Albion; Elvis G. Potter, Crossville; Lee Walker, Emma; William Frashier, Maunie; Harry K. Myers, Enfield; John Harshbarger, Bluford; John F. Sanders, McLeansboro; Wilford Johnson, Macedonia; Carl E. Pampe, Parkersburg; Geo. Wexler, Olney.

* * *

Last 20 Meter Cards To Come In

Lot Henson, Fairfield; Fred James, No. 2, Enfield; Clayton Thomas, No. 2, Enfield; Clyde M. Cunningham, Rinard; Joe Renshaw, RFD No. 1, Maunie; C. E. Robbins, Fairfield; Frank Kuykendall, Maunie; Theron Sprague, Fairfield; Paul Mauntell, Carmi; C. S. Knight, c/o John Smith, Norris City; Leo McDowell, Mt. Erie; Ivan Slankard, Crossville; Edgar Sturm, Grayville; William St. Ledger, Golden Gate; Forrest Scott, Golden Gate; Marshall Smith, Geff; Wayne Cunningham, Fairfield; Sam A. Orr, Enfield; L. H. Price, Enfield; Roy Hise, McLeansboro.

* * *

25 Highest Farm Users

Walter Hines, Maunie, 1070; Jake Bowyer, Keenes, 1068; Ben Newton, Fairfield, 806; W. F. Ackerman, No. 3, Carmi, 670; Henry W. House, McLeansboro, 600; John Spence, Geff, 578; J. E. Dennis, Crossville, 516; Harry Lasater, Barnhill, 488; Loren Ackerman, No. 1, Crossville, 474; Oral Brown, Fairfield, 454; George P. Koretge, Parkersburg, 426; W. P. Davis, McLeansboro, 426; Riley Mangis, RFD No. 4, McLeansboro, 397; Luke Fyle, Springerton, 392; Tom Potter, Calvin, 370; D. D. Burton, Cisne, 369; Ulla Givens, No. 3, Carmi, 350; Paul Daily, McLeansboro, 336; Fred Noah, No. 1, Albion, 328; G. A. Rotert, Enfield, R. 3, 328; H. C. Williams, Omaha, 308; Everett Spencer, Grayville, 305; Paul Mauntell, Carmi, 293; Howard Bunnell, Geff, 293; Frank Gray, Fairfield, 291.

* * *

25 Highest Commercial Users

Arthur Gholson, McLeansboro, 8526; J. G. Clark, Wayne City, 5642; Pure Oil Co., Cisne, 4691; Magnolia Prod. Co., c/o S. C. McFarland, Box 501, Fairfield, 3480; D. W. Humphreys, Deep Oil Co., Box 129, Fairfield, 3328; Kinwood Oil Co., McLeansboro, 3000; Robinson and Puckett, 201 E. Main, Fairfield, 2228; Sam Gilpins, Carmi, 1630; H. C. Hickey, Wayne City, 1197; Carmi Baptist Orphanage, Carmi, 1084; Wilford Johnson, Macedonia, 927; United Producing Co., Warehouse, 916; Texas Pipeline Co., Fairfield, 905; Theodore McConnell, Geff, 831;

Ruth E. Best, Mt. Erie, 732; George Feathers, Wayne City, 726; Ralph E. Keith, Rinard, 713; Willis Keele, No. 3, Bluford, 700; O. A. McRill, Wayne City, 685; Dewey Wood Cafe, Wayne City, 677; Sohio Pipe Line Co., Johnsonville, 643; Otis Wilson, Johnsonville, 670; Mrs. Frank Garrison, Wayne City, 616; George Rister, Mill Shoals, 587; L. W. Springer, Springerton, 585.

* * *

Welcome New Members

Fred W. Ahlfield and Louise Ahlfield, West Salem.

Veda and Oscar Elliott, Fairfield. E. O. and Sallie Aman, Box 322, Fairfield.

Arthur N. and Gladys Frost, Noble.

Ernest Lee and Mary Lee, Fairfield.

Joseph C. and Mame E. Talbert, Wayne City.

William Conway and Eunice Conway, Sims.

C. E. and Dessie Fox, Keenes. Gulf Refining Co., Box 661, Tulsa, Oklahoma.

George and Flossie Richards, Xenia.

Jake and Grace Pottorff, Burnt Prairie.

W. L. and Loula Gowdy, Carmi, Rt. 2.

Hylas Ray Glascock and Nell Glascock, New Haven.

Aubrey and Wanda Jamerson, Springerton.

Mrs. Edna Nash, widow, Albion.

Walter Anderson, Wayne City.

W. H. and Viona Steed, Carmi, RFD No. 2.

Virgil C. and Corinne Sweeney, Cisne.

* * *

July Operating Report

Miles Energized	1018
Members Receiving Service	4313
Total KWH Sold	222969
Average KWH used per member	51
Number of Minimum bills	1396
Average bill	3.39
Revenue per mile	14.38
Density per mile	4.2

* * *

The employes of the cooperative and all of the members wish to express to the family of F. A. Tannahill their sincere sympathy in this, their greatest bereavement.

* * *

Wedding Bells

Miss Vera Ferguson, who is employed as clerk in our cooperative, became the bride of Pfc. Donald Dickey of Wayne City at 3:00 Sunday afternoon, July 15, at the home of her parents in Wayne City.

Congratulations Pfc. and Mrs. Donald Dickey. The impressive single ring ceremony was performed by Rev. H. H. Mayberry in the presence of a group of relatives and friends.

The bride was attired in a pink formal gown with white accessories. Her corsage was of pink carnations. She was attended by her sister, Wandy Dickey, as maid of honor. The groom, who wore his uniform, was attended by his brother, Delmer Dickey.

The couple spent the following week visiting relatives in the area.

Mrs. Dickey has returned to her work at the cooperative office, and her soldier-husband is stationed at Camp Shelby, Miss. He returned to the United States after serving in Europe with the Third and Ninth armies.

* * *

List of New Appliances

Ralph Williams, Carmi, one-fourth h.p. motor. Roy Coale, Bt. Prairie, one-fourth h.p. motor. G. O. Moreland, Norris City, one-fourth h.p. motor. Gladys Abbott, Noble, one-fourth, h.p. motor. Walter W. Brumblay, Maunie, one-fourth h.p. motor. Roy E. Murphy, Fairfield, one-fourth h.p. motor. Gust Stahl, Burnt Prairie, one-fourth h.p. motor. C. H. Keith and Son, Rinard, electric fly killer. J. P. Molt, Geff, No. 2 Hammermill. Maxey Pepple, Bluford, electric separator.

Proper lubrication is the most important item in tractor care.

NEWS FROM Southern Illinois

Dongola, Ill.

GEORGE ENDICOTT,
Mgr.

B Completion

Of special interest to a lot of our old signed members, who have been waiting patiently to secure service we have received the final release on our B section, which has not been completed. Material has been ordered for the completion of this and the Cooperative personnel is getting all work lined out so that immediately after the first of September the Cooperative force will start work on the construction of approximately 60 miles of B line which had not been complete of the original B section.

The Cooperative has on hand, sufficient number of poles to start this work and it is hoped that additional poles can be delivered so that we can complete all of the pole setting before bad weather sets in. And on a few extensions it may be held up due to the lack of poles, of proper size to complete individual extensions, but we will endeavor to make substitutions so that as much as possible can be completed.

Again we are going to have to ask assistance from these members on this line so that they can be completed in the shortest possible time. The Cooperative is very short of help but has sufficient equipment to keep a considerably larger force at work. For this reason, there is going to be necessary for these individuals desiring service as quickly as possible to give us help in getting the poles to their own and the digging of their holes. The digging will be simplified in that the Cooperative has a digger and with one of the Cooperative individuals and the help of a couple members, the holes can be dug and the poles set at the time we are there, thereby speeding up the work on this line.

Also there is some clearing to be done on this line, as it has grown up since it was cleared some four years ago. This will be taken care of by the member and the employees, and also for those we will ask assistance in pulling in the wire. In as much as all of these extensions on this B complete, it will not work a hardship on the member, in that the most time they would have to give would be a couple days.

C Section

Of interest to some of our energized and also old signed members, the C section is being completed and being turned over to the engineer for final work in order that it can be submitted to REA for allotment. The allotment has been scheduled in REA for the completion of this C section. It is true it was drawn up on self help basis, but is questionable if it can be carried on this basis. Due to labor situation, it will be after the first of the year, before any actual work can be started.

Clearing

It is the intent of the Cooperative to start clearing work after the first of the month, so that we can clean up the clearing work on the project before next spring. As most of you realize, we did not do any clearing last year, due to manpower shortage, and transportation difficulties. We have made arrangements for a clearing crew. Mr. Baggott will go ahead of this crew and secure permission for topping trees, etc., which we feel will speed up the work. We shall appreciate any member who has trees which are felt to be dangerous to the line, to give their permission to cut them, as this causes 90 per cent of our outages.

Digger-Trailer

The Cooperative has been able to secure a digger. It is being renovated into a power unit so that we can speed the work on the project. It is for us on our line, and is being equipped so it can be driven off this and operated as a separate unit, thereby utilizing the unit for digging holes.

A large pole trailer is to be delivered by the time you get this paper. This will be used for distributing poles over the project, where there are a large number needed.

Wiring

Mr. Dana O'Donnell has just completed the inspecting that was feasible for him to get at this time on the project. He has noticed in many cases where the member has added on wiring which is not authorized and dangerous as has been shown in other Cooperatives where deaths were caused. Each member should realize this practice is dangerous. Even though they save 50c or a \$1.00, can this be compared to a human life?

Office Building

Final approval has been received from REA on the drawing up of the final construction plans for the office building. The site has been purchased for it, and the architect has drawn up final plans. This does not mean construction will be started immediately but means construction will be started and funds available before too long.

Wells

The well drifter is about to complete the well here at the substation for use of the project and especially for use in the new office building. They now plan to move to Tullie Morleands just south of Anna the week of August 13, and from there to Earl Williams and Charles Lamer. Any one desiring wells should be contacting Mr. Sutton immediately, as they plan to move to Missouri soon.

Rate Sheets

There has been so much difficulty in figuring the light bills where they used under the minimum. To avoid this discrepancy, the Cooperative has had new rate sheets printed where it will show the actual amount of the bill for L Kilowatt up to 500. If you are experiencing this difficulty, which is shown, by the debit and credits mailed each month, notify the office and you will be sent one of these sheets, otherwise, they will be held up and mailed out with the new books in December.

Post War Construction

Some time ago, the Cooperative conducted an advertising campaign to secure post war applications. The results were very good from the standpoint of community leaders, but was not of the success of which the Cooperative had hoped, in that we are now having a considerable number coming in and information getting extensions. It seems that most people feel we will build the line, and then ask them to sign up. This is not the case. No line will be built unless there are sufficient signers on it. Plans are being drawn up now for our first post war area development project, and any individual who wants to get in on the first, should get his application in immediately.

REA News Subscribers

All signed members of our B and C section have been placed on the mailing list for the Illinois REA News and should watch our column for further events on their section of line.

Customer's Remittances

We wish to bring to the attention of you members who do not feel the necessity of remitting by check or money orders, that the board of directors has gone on record of not accepting the responsibility of any lost currency. The member takes a risk on his own, when he mails cash or currency in an envelope, and please bear the fact in mind, that if it is lost, the Cooperative will not accept the obligation of replacing same.

Camels Being Used On Farms

Camels are being used on collective and state farms in Russian Azerzajan and have already proved a great success on the Beria, Komsomol and other collective farms.

Bulletins and circulars on many phases of farm and home life are issued by the University of Illinois College of Agriculture. Copies are generally available from the office of your farm or home adviser.

NEWS FROM Adams

Camp Point, Ill.

DEAN SEARLS, Supt.

New Members

Kenneth and Voneta L. Anderson, Daniel T. Barry, Edd and Rosa Benz, Johnnie A. Brown, Robert and Gladys Buffington, Frank O. and Elizabeth Chillemi, Virgil and Naomi Davis, James H. and Eleta Mae Deewe, Mabel and Elmer Disselhorst, Homer Dorsett (service connection), Jacob and Margaret Duvall, Emily J. and William Edwards, Virgil E. and Ilene Flesner, Joseph Dale and Minnie E. Gallaher, Ernest and Mildred Graff, Wilmot A. and Florence Hill, Everett Hillyer, Otha and Regina Howell, Oren and Eva M. Hunsaker, J. H. and Hattie Janssen, Clement G. and Velma M. Kill, Loren F. and Dorothy Knowles, Henry O. and Lena Leenerts, Kenneth C. and Delma Jean Marsh, Lillard A. and Mildred Pilcher, Kenneth W. and Florence Ramsey, Emma D. Schnellbecher, N. W. Simpson and Alice Simpson, Gail and Alma Terry, Ben C. and Arville F. Unger, Joshua and Sadie Whitney, Arthur and Josephine Wiskirchen.

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Financial Report

Total Billing	\$7,587.19
Average Bill	\$4.33
Average KWH Used	.66
Total KWH Sold	115,248
Total Members Billed	1,751

* * *

New Appliances

Brooder: W. R. Alexander, Lyle Brock, R. J. Dietrich, Wm. R. Dodd, Claude Hamilton, Herschel Hoffman, Herbert Waters.

Clock: Russell Seiz, Wm. Seiz.

Cream Separator: Winnie Agans, Vaughn Anderson, C. V. Houston, John Schoonover.

Hot Plate: Loran Robbins, Albertus Ufkes.

Iron: Winnie Agans, Edd Benz, Clarence Post, Walter Schmidt, John Schoonover.

Milking Machine: Enid Marsh Casley, Geo. Dedert, Anthony Grawe.

Motor: Frederic Hyer, Lewis Mittelberg, Chas. Wilkey, Arthur Worthington.

Pump: John Covert, A. G. Harrison, John Schoonover, N. W. Simpson, Walter Wheelhouse.

Radio: Vaughn Anderson, Russell Seiz, Archie Yates.

Refrigerator: Edd Benz, Walter Tallcott.

Water Heater: Herbert Orr, J. Roscoe Willard.

Water System: Walter Knorr, Russell Seiz, Walter Wheelhouse.

Miscellaneous: Willie Agans, washer. James Coggeshall, table lamp. Luther Heubner, tool grinder. Lewis Kauder, toaster. Herbert Orr, welder. Paul Schwengel, soldering iron and sheep shears.

* * *

Your cooperative has been very fortunate to secure a good quantity of 25 foot poles which can be sold to members to support their wires between meter pole and buildings. These poles can be used for whatever other purpose the member desires as they were obtained without a priority rating.

Class 9 poles will sell for \$6.00 plus tax and a heavier pole, Class 7, will sell for \$7.00 plus sales tax. These prices are F.O.B. at our pole yard at Camp Point. If any member desires one or more poles, they should make arrangements with our office beforehand so that our linemen can help with the loading, or bring sufficient help with them for this purpose.

A quantity of No. 12 rubber-covered wire is still available to any member. The price of this wire is 1¢ per foot.

TO RETIRE SOON

Miss Clara R. Brian, home adviser for McLean county for twenty-five years, will retire September 1. She will continue to reside in Blooming-

NEWS FROM Southeastern

Harrisburg, Ill.
A. F. LENTZ, Supt.

Well folks, summer is really here at last and aside from the fact that we have more than a normal supply of rain and corn crop is very short from the standpoint of acres growing, yett it looks fine at this writing.

Line Outage

Your Cooperative experienced one of the worst electrical storms we have ever witnessed on Thursday, August 2, about 5 p. m. which just about put our entire system out of commission, but by the heroic work of our line force, who worked all that night and most of Friday, they had about everything back working before daylight that night. The heavy lightning was accompanied by high wind which blew trees through our lines as far as 150 feet. We are making this explanation not asking for sympathy, but that some of our members living in areas not touched by the storm might know why their service was interrupted. And also we wish to state that our Cooperative was not the only one suffering from the storm as the CIPS company's crews also worked all night to restore service on their lines. The Illinois Commercial Telephone Company lines were also badly snarled, which took days before they had service completely restored on their lines. We appreciate the splendid cooperation of our people as a whole, but it sometimes becomes irksome to have some member come in "fussing and fuming" that their service was off all night and they were unable to use their radio, and they particularly wanted to hear the late newscast, etc., and that other power companies lines were never off, etc. Well, after you have answered the telephone all night and had all your men out in the storm doing their best to restore service to the system, it takes a lot of grace and a world of patience to keep smiling when you are being abused for something that no one can help. But the brighter side of the picture is when some of your people come in and thank you for restoring their service under those trying conditions—then we forget all the thorns and smile, grit our teeth and decide it is worth while after all.

Electric Motors

We told you last month that we had a good stock of motors of about all sizes but one-fourth h.p. and we are coming back this month and tell you that at this writing we do not have an electric motor of any fractional size at all. We do have sev-3 h.p. ball bearing GE motors. We have a good stock of all sizes on order.

Peaches

In our rounds over the project we have occasion to visit a diversified group of farming activities, and one right now is the fruit growers. We called upon one of our board members down in Johnson county this week, Mr. Ray Webb, who is one of Johnson county's leading orchardists and his peaches are exceptionally fine this year. Ray also has early apples as well as late varieties.

Mr. Russell Gingles, of the REA News, together with our manager, called upon another of our directors Mr. C. H. Dixon of Logan, Franklin county, and his orchard is a picture at this writing. Charley buds his own trees and his peaches have a distinctive flavor not found anywhere else. He grows that flavor into them, and he has a group of customers that have bought his peaches over the years and they always wait for his peaches—"nothing like 'em folks."

We also called upon Mr. Sam Moore's orchard and they had just started to pack and to see the beehive of activity around that packing shed and also to see his trees bending over to the ground with lovely fruit was certainly a picture.

Your Cooperative linemen built a service one-fourth mile to serve the

orchard and farm home of L. E. Jones located in Williamson county some five miles north of Marion. This orchard is certainly a picture at this time and his peaches are extra fine quality, and they expect to harvest 5,000 bushels this year.

New Construction

L. E. Meyers Construction Company, are stringing wire and completing lines very rapidly now on their 30 miles being built now and some of these lines have been energized and these new members are now enjoying electric service that they never experienced before.

Our own force is also building new extensions very fast, as we now have the second new truck which will permit us to increase our production right along as that will give us 3 line trucks.

Your Cooperative has just been allotted \$200,000.00 to build 138 miles of lines together with some 200 additional service along the present lines. We are expecting the details to all be worked out and bids asked for by September, however no construction can be done before spring as it will be impossible to get poles and other material before spring 1946.

"D" Project

We are developing a new project at this time which will be our "D" section and we expect to close up this section by early September and will have some 300 miles on this section. If you have a group of neighbors that do not have a line and expect to get electric service in the next couple years, it would be well that they get their group together and sign applications and get them in to this office soon if they expect to be in this next allotment.

Electric Pump Jacks

We have a shipment of the Mighty Elgin Pump Jacks expected to arrive any day and we think this is the best pump jack on the market and if you have been unable to get a pump jack up to now, better see us soon as these jacks won't last long.

Your Cooperative has recently received a shipment of 18 inch bolt cutters, which are new and well worth the money, and just what you farmers and car owners have been wanting for some time and not been able to purchase due to the fact that none have been on the market. These bolt cutters were purchased from surplus army materials and you will see them in the windows of your cooperative office in Harrisburg.

You will note that your Cooperative family of members is steadily growing with each issue of the REA News and we now have passed the 4200 mark and steadily gaining each month.

Vital Statistics July 1945

Members Connected	4217
Members billed	4192
Farm Members billed	3181
Non-farm Members	536
Commercial Members	174
Public Buildings	278
3 Phase power members	23
Miles energizezd	1157
Average per mile	3.64
Operating Revenue per mile	19.99
Kilowatts Purchased	
(CIPS Reading)	721,500
Our Reading (20th-20th)	666,000
Kilowatts sold	508,614
Line loss	23.6
KW Demand:	
Saline County Ctation	1056
Franklin County Station	198
Galatia Station	165
Marion Station	498
Total billing	23,124.97
Power bill	7,765.30

Big Dam Planned

Promoters in southern Rhodesia have envisioned the world's largest dam construction project near Salisbury. Preliminary plans call for a reservoir that would impound more water than four of the U. S. great west coast dams combined—Boulder, Friant, Shasta and Grand Coulee.

If corn is checked on sloping land and cultivated both ways, try to "lay it by" across the slope to reduce erosion.

NEWS FROM Menard

Petersburg, Ill.
A. E. BECKER, Mgr.

SPECIAL MEETING REPORT

There were more than enough members present to constitute a quorum at the special meeting for members held at your Cooperative office Thursday evening, August 2, 1945.

Four hundred fifty user members and prospective members were present when the vote was taken on a resolution read by member Jacob Bast, Tallula, requesting that REA be asked by your Board of Directors to extend the mortgage loan limitation from the present amount of \$1,500,000 to \$4,000,000.

This Resolution reads as follows:

RESOLVED, that the Board of Directors of the Cooperative is authorized, on behalf of the Cooperative, to borrow from time to time additional sums from United States of America pursuant to the provisions of the Rural Electrifications Act of 1936, as from time to time amended (hereinafter called the "Act"), and to incur indebtedness from time to time by the assumption of indebtedness of third parties to United States of America created by loans made to such third parties pursuant to the Act, or the Emergency Relief Appropriation Act of 1935 (hereinafter called the "Relief Act"), such additional loans and such assumptions of indebtedness to be in such amounts and upon such terms as the Board of Directors shall deem advisable to finance the construction, acquisition and operation of such electric generating, transmission, distribution and service facilities as the Board of Directors shall from time to time determine upon; provided, however, that the aggregate amount of such loans together with the aggregate amount of such assumptions of indebtedness and loans heretofore made to the Cooperative by United States of America, shall not exceed \$4,000,000; and

RESOLVED, that the Board of Directors is further authorized to cause the proper officers on behalf of the Cooperative, from time to time, to execute, seal and deliver notes, bonds or other evidences of indebtedness to evidence indebtedness created by such loans and assumptions and to refund the notes, bonds or other evidences of indebtedness heretofore issued by the Cooperative to United States of America, or hereafter issued pursuant to the authorization herein contained, all upon such terms as the Board of Directors shall determine; and

RESOLVED, that the Board of Directors of the Cooperative is authorized to mortgage, by deed of trust or by mortgage and upon such terms as the Board of Directors shall determine, all of the property of the Cooperative now owned or hereafter acquired in order to secure such loans as have heretofore been made, or may be made at any time or times pursuant to the Act, by United States of America to the Cooperative, and to secure such indebtedness of the Cooperative as may be incurred by the assumption at any time or times of the indebtedness of third parties to United States of America created by loans made to such parties pursuant to the Act or the Relief Act, and to secure all notes, bonds or other evidences created by such loans and such assumptions, limited in aggregated amount as aforesad.

Member John Taylor, Pleasant Plains moved that the Resolution be adopted. Member Clarence Hansmeyer, Havana, seconded the motion. President Colby called for a vote and it carried unanimously. Action by the members in passing this resolution will aid the post-war expansion program recommended by the Rural Electrification Administration. This program's objective is "Electric Service for Every Farm Home."

President Henry B. Colby presided at the meeting and introduced Man-

ager A. E. Becker, who briefly outlined the reason it was necessary to have the Resolution adopted so that the needed reconversion of existing feeder lines could be financed and built if proper voltage was to be maintained to present and future members. Mr. Becker further indicated the building of new extensions would be definitely curtailed if affirmative action was not taken. The passing of the Resolution assures the continuation of extending REA service to the un-electrified farms in the eight counties served by your Cooperative as soon as material and manpower are available.

R.E.A.-HERZBERGER FISH FRY

The third annual REA Community Party and Fish Fry was held Friday evening, August 10th at the home of Mr. and Mrs. Audace Herzberger, seven miles southwest of Virginia. Four hundred twenty-five Cooperative members and friends were present to consume the 200 pounds of fish that had been prepared. Those attended brought salads, tomatoes, sandwiches, and dessert to make the meal complete. A large earthen jar full of iced tea was in place on each table.

This REA community party and fish fry was inaugurated three years ago when Mr. and Mrs. Audace Herzberger and a group of their neighbors decided in this manner, to show their appreciation for REA service made available by your Cooperative, to their premises.

Following the serving, which was cafeteria style, a program of entertainment, short talks and movies were presented.

Miss Betty Hughes, Virginia, entertained with a group of accordion selections which was followed by a humorous reading by Miss Ruth Lewis, Ashland.

Manager A. E. Becker spoke briefly of the recent meeting held at your Cooperative office and discussed the post-war program to extend REA service to all unelectrified farms. At the close of his remarks Mr. Becker introduced D. B. Bidle, instructor of the Illinois REA safety and job training program for REA employees. Mr. Bidle emphasized the need of safety on the farm and in working with electrical appliances and equipment. He further stressed the danger of being negligent in working where hazards exist. Mr. Bidle's talk was informative and contained many helpful suggestions.

James Salisbury, administrative assistant to Deputy REA Administrator Wm. J. Neal was then introduced by Mr. Becker.

Mr. Salisbury extended greetings to those present from REA Administrator Claude R. Wickard and Mr. Neal. He also expressed his pleasure at being there to enjoy the hospitality of the Herzberger's and their neighbors, and to help celebrate the anniversary of the party. Mr. Salisbury indicated that he was particularly impressed with the spirit of Cooperation manifested by the committees who worked together to make the affair a success. He spoke briefly of the post-war plans the Rural Electrification Administration has sponsored to bring REA service to the unelectrified farms throughout the nation. Also how the speedy termination of the war can aid, to get the program started.

Guy H. Husted, Cass county farm adviser, has been extremely cooperative in working to secure REA service to the unelectrified areas in Cass County. Mr. Husted was called upon during the program and responded with a statement that he appreciated what the Menard Electric Cooperative had done in Cass County and was looking forward to many more miles of REA lines being built in his county during the next two years. At the conclusion of the several talks sound movies were shown by Fred E. Darr.

Mr. Darr also acted as Master of Ceremonies for the program.

Following the movies everyone seemed reluctant to start home and spent some time visiting with their

NEWS FROM Jo-Carroll

Elizabeth, Ill.
FLOYD RUBLE, Mgr.

Work will be a little easier on the following members farms from now on, since new electric equipment has been added which will make the same duties lighter and quicker:

Elston Nobis has added a milking machine, brooder stove and pump jack.

Louis A. Stephan has an electric motor for his separator.

Orville Bolt has an electric range.

Theo. W. Randecker has an electric separator.

Alvin Zillhart has a soft water system, pump jack, two radios, iron, washing machine and a refrigerator.

Arnold Farthing has an electric pump jack.

Clyde W. Koester has added a meat chopper and a sickle grinder.

Mrs. Henry Dittmar has an electric stove.

Wm. Smart has added a washing machine, iron and pump motor.

Marcel Bourquin (Broadway Cheese Co.) Milk pasteurizer, and 1/2 H.P. motor and 3/4 H.P. motor.

Stafford Sisters have a milking machine.

John P. Hartman has an electric refrigerator.

Wallace Elsbury has a milking machine.

Donald Frank has a milking machine.

Georgia produces 80 per cent of the country's tomato transplants. This spring the state has produced 500 million plants, or 200 million less than normal. This loss amounts to 66,000 acres, or five times the normal canning acreage of tomatoes in Illinois.

If you have a surplus of soybean seed to sell, tell your farm adviser.

neighbors and friends who were present.

All voted that the Herzbergers were real hosts and that everyone present had had an enjoyable evening.

Mrs. L. D. Burrus, Arenzville, was awarded the Westinghouse automatic electric iron, given by the Westinghouse Electric Supply Co., Peoria. E. L. Strubbe, Virginia, was awarded the GE super quick heat electric soldering iron given by the GE Supply Co., Springfield, Ill.

The following committees gave their full cooperation to make the Herzberger REA community party and fish fry a real success:

Tables and chairs: Clarence Thompson, Chm., Paul Petefish, Gus Vallery, Herbert Strubbe, Frank Rolf, Sr., Woods Crum, Alvin Ginder, George Fozzard, Glenn Herzberger, Lorenz Lovekamp.

Fish frying committee: Audace Herzberger, Chm., Chris Ring, Ed Carls, Wm. Witto, Carl Mallicoat, Loren Burrus, Fritz Hammer, Gilmore Illias, Fred E. Darr.

Serving committee: Mrs. Audace Herzberger, Chm., Mrs. George Fozzard, Mrs. Cora McFadden, Mrs. Leslie Wildt, Mrs. Ed Carls, Mrs. Herbert Strubbe, Mrs. Rudy Korte, Mrs. Geo. Huffman, Mrs. Roy Musch, Mrs. E. H. Virgin, Miss Dorothy Virgiu, Mrs. L. D. Burrus, Mrs. Cliff Burrus, Mrs. Frank Rolf, Sr., Miss Rena Rexroat, Miss Janice Carls, Miss Jane Herzberger, Mrs. Carl Thornley.

Program committee: Lorenzo Burrus, Chm., A. E. Becker, Rudy Korte, C. A. Ogle, Ed Garlich, Guy A. Husted, Fred E. Darr.

Registration and finance committee: Mrs. Wilma Thrasher, chm., Miss Caroline Herzberger, Miss Alce Lou Virgin, Miss Dorothy Carls.

Pictures and sound system: Guy Husted, farm adviser, Fred E. Darr, Menard Electric Co-op.

Lights: Harold Wessler, Chm., Ray Logan, Ralph Launer.

Parking committee: Harold Rolf, Chm., Glenn Herzberger, C. A. Ogle, Jr., M. C. Thompson, Jr.

Turkey Raiser Credits Power With Helping Him to Expand Production

Business Grows Rapidly; Raises 7000 This Year

Battery Brooder House Is Center of Warner Farm Activities

Electricity has been one of the principal factors in helping Lewis Warner's turkey raising business grow from a very small beginning in a discarded summer kitchen, purchased at a cost of \$10, to a point where this year he will send to market approximately 7,000 Broad Breasted Bronze birds.

The number raised this year is 1,000 more than were produced last year by this Mason county farmer, who gets his electric power from Menard Electric cooperative of Petersburg.

Poults grown to maturity on the Warner farm are hatched from eggs produced by his breeding flock of 1500 carefully selected turkeys. Activity on Mr. Warner's turkey farm starts in a brooder house at the home place where electrically-operated battery brooders are equipped to handle 2,000 birds at a time.

An unusual feature in this "starter" brooder house is a circulating heater and ventilating system so contrived by Mr. Warner that it provides a maximum intake of fresh air and warms all corners of the room. The central heating stove, with its metal jacket, has an electric fan installed at its top to push the air downward and out through the room. A wide air intake pipe rises up from the top of the stove to connect with other smaller pipes extending to the four corners of the building.

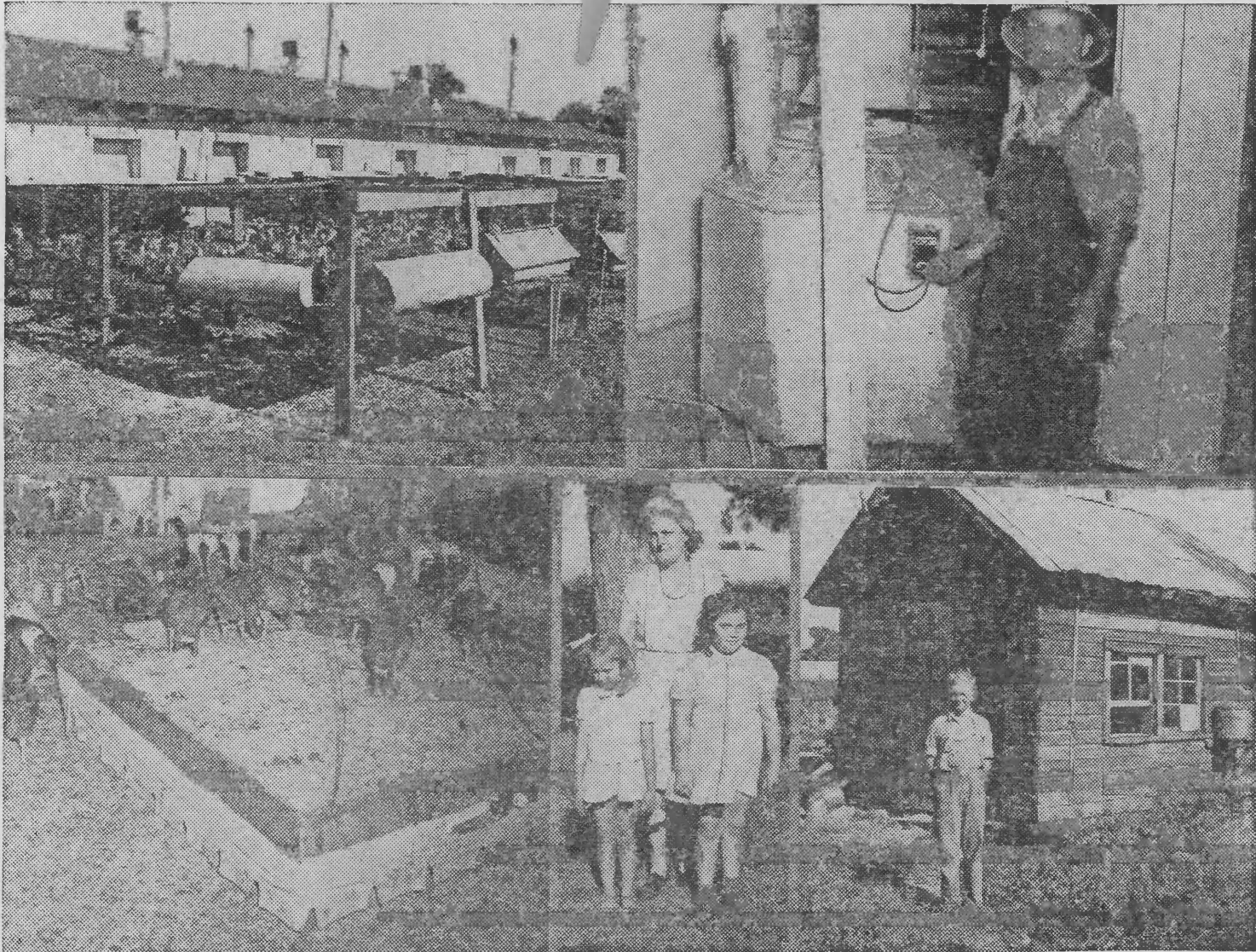
Other Houses

As the turkeys grow they are moved to larger houses on the farm which contain twelve floor-type electric brooders. Later they are permitted to go outside on wire netting turkey runs which are equipped with float-installed elongated drinking troughs to which water is electrically pumped.

When about ten weeks old the turkeys are placed on the range where electricity plays a vital part. Overhead lights burn constantly at night on the ranges to frighten away dogs, foxes or individuals whose mouths might be watering for a taste of roast turkey. Smaller lights also burn in the arrangement of shelter houses during the day. The range is so wired that automatic timers turn on the bright yard lights at night and switch over to smaller globes in the morning.

In addition to lights, electricity on the range also provides water for the thousands of turkeys as they are readied for the holiday season. There was a time, Mr. Warner says, when the big birds were fattened for market only to satisfy the Thanksgiving and Christmas holiday trade—but the meat shortage and a general desire to eat turkey throughout the year has made the raising and sale of turkeys an all-year-round business.

This Mason county farmer starts his turkeys under brooders in March. Because of the sandy soil in the area, which provides the drainage needed for raising large flocks of turkeys, Mason county is rapidly becoming one of the larger turkey farm centers in the nation. Mr. Warner markets his birds through the Central Illinois Poultry Cooperative association at Havana. Millions of pounds of turkeys this year have been assigned



ELECTRICITY—TURKEYS THRIVE ON IT. The TOP LEFT photo shows an exterior view of a large turkey brooder house and wire mesh turkey run on the Lewis Warner farm. In the TOP RIGHT photo Mr. Warner stands beside his home-made heater stove in his battery electric brooder house, ready to turn the switch on the built-in fan which will send warm air circulating throughout the room. LOWER LEFT is a view of one of the electric brooders in the large house shown in this group of pictures. Mrs. Warner and her two daughters appear in the CENTER photo of the lower panel, while son, Lowell, is shown in the photo at the EXTREME RIGHT standing in front of his dad's original turkey brooder house.

to the military forces and none will go to civilians until the total amount ordered has been approved and delivered.

Along with his turkey raising venture, Mr. Warner also farms extensively and milks an average of ten cows, using electric milkers to make the chore easier. His cows are sprayed by a blower attachment on a portable electric vacuum cleaner. His residence, of course, is completely electrified and Mrs. Warner—a big help in the turkey raising business—enjoys a number of electrical appliances in the home.

DAIRYMEN PUT TO TEST WITH SUMMER WEATHER

The real test of the dairyman's ability and ingenuity comes when he has to contend with hot weather, poor pastures, and flies at the same time.

Cows that have access to good legume or mixed legume pastures will do well on a 12 per cent total protein grain mixture, while mature bluegrass pastures should be supplemented by a 15 per cent mixture.

Enough grain should be fed to keep the cows in good condition and to maintain the milk flow at normal levels. When pastures are sparse, some roughage should be fed in addition to grain.

Rhode declared that unless dairymen are prepared for hot weather, production is likely to "hit the toboggan" and milk checks will "shrink" accordingly. He suggests that dairymen be ready to make adjustments in feeding and management that will prevent any abnormal drop in milk flow.

NEWS FROM Rural Electric

Divernon, Ill.

B. F. SNIVELY, Mgr.

Again it has come time to go to press and get our column in for the REA News. We are slowly but surely progressing with the preparation of the letting of a contract of some 170 or 175 miles. Your Cooperative has been fortunate enough to get an allotment ear-marked for approximately \$190,000 to extend the system to the members that are signed up at the present time which we hope to be able to get service to within the next twelve months. We have the engineering fairly well underway for the beginning of the new construction.

We had one of the worst electrical storms in the history of the project that struck on Sunday evening, August 5. It covered a great deal of the state, causing outages of line and transformer damages. Your Cooperative crew was out working from 9 p. m. Sunday approximately straight through to 1:30 a. m. Tuesday, with a few bad spots still to take care of after that time. If at any time, you do not get your service back on as quickly as you think you should, just remember we have 740 miles of line to keep energized and a little over 2,045 members and we can't get to you all first. We have to get the lines energized first and the individual members afterward. During this particular storm, Springfield was out of service for over two and one-half hours.

Speaking of Hazards

On Friday evening, August 3, we had an electrical disturbance in the southwest part of the project. One

of the members that was out of service was Mr. Ray Lomelino whose son-in-law, Willard Byers, was present at the farm at the time of the outage and undertook to restore his service by placing a ladder against the transformer pole and attempting to close the cut-out with his bare hands. Consequently, he drew a heavy arc, was knocked off a 35 foot pole and very severely burned on both hands and arms. It is a miracle that he was not killed out-right. We, of the electrical trade, cannot understand why people will take such long chances with their lives. In the first place, these cut-outs and fuses have to be replaced by a trained man who thoroughly understands what he is doing, working with the proper equipment and knows the voltage. We, of the electrical trade would not even consider for a moment trying to make a reclosure on a cut-out on a transformer pole with rubber gloves unless we had a hot stick, as they are known to the trade, which is a tool made of wood approximately six foot in length that is tested to resist 75,000 volts of electricity. These hot sticks at the time they are manufactured are placed in an oven and baked for 48 hours until there is no moisture content in them at all, then they are given three coats of spar varnish for protection against drawing dampness. The hot tools of this Cooperative are regularly inspected for defects by the foreman and his crew. They are sent into the manufacturer regularly, every six months to be reconditioned and re-tested. At any time you have an outage, call your Cooperative office and you will find a trained man ready to take care of your trouble.

We are glad to hear that Mr. Joe Dowson, one of our directors who was very severely burned in the gasoline explosion during the wheat

combining period, is getting along very nicely and expects to get out of the hospital and back home with us very shortly. Welcome back to the gang, Joe!

Why is it necessary to have an accident occur to prove that we can be hurt in unexpected ways?

We all know the different hazards that are involved in our different lines of work. Let us just stop for a moment and give a little thought to our next moves and come back at the end of the day with a whole skin and not a broken arm or leg.

Operating Report July 31

Accounts Billed: Total 2050, farm accounts 1907, non-farm accounts 5, commercial 18, schools and churches 113, signal lighting 7.

Minimum Billed: Total 583, farm accounts 464, non-farm accounts 1, commercial 5, schools and churches 113.

Percent Minimum Billed: Total 28.4, farm accounts 24.3, non-farm accounts 20.

KWH Sold: Total 211,648, farm accounts 198,026, non-farm 293, commercial 5828, schools and churches 4455, signal lighting 3046.

Sales: Total \$10,074.18, farm accounts \$9,551.76, non-farm accounts \$1,993, commercial \$180.08, schools and churches \$232.00, signal lighting \$90.41.

Average Bill: Total 4.91, farm accounts 5.01, non-farm accounts 3.98, commercial 10.00, school and churches 2.06, signal lighting 12.91.

Average KWH: Total 103.2, farm accounts 103.8, non-farm accounts 58, commercial 323.8, schools and churches 39.4, signal lighting 435.1.

KWH Bought: 265,600.
KWH Line Loss: 53,952.
Per cent Loss: 20.3.
Miles Energized: 735.
Revenue per Mile: 13.70.

REPORT ON STATE ASSOCIATION IS GIVEN BY BECKER

A. E. Becker, state-wide coordinator, in his report to the convention said that each "cooperative member of the Association of Illinois Electric Cooperatives has made considerable progress during the last year . . . despite restrictions caused by a definite shortage of material and manpower."

He reviewed meetings held during the last twelve months and said that the association's legislative committee has "accomplished a much better understanding with the Illinois Commerce Commission" than has previously existed. Through this group the state legislature, Mr. Becker declared, was encouraged to reactivate the state REA committee. Everett R. Read, president of Jo-Carroll Electric cooperative, was recommended to state leaders as a member of the REA committee when actual membership of the group is named.

The coordinator also lauded the progress made by the Illinois REA News during the last two years, saying that the publication now has fourteen subscribing cooperatives, with total circulation in excess of 30,000. It now has on hand a surplus of \$550.

Indications are, he said, that "members of our state association can achieve their objectives during the coming year." He said that the aim of the Illinois state-wide is to "build for the successful future of our individual cooperatives by working together as a unit."

HARRY ALLISON, FARM INSTITUTE LEADER, IS DEAD

Harry O. Allison, 63, of Champaign, state supervisor of the Illinois Farmers Institute, died late last month of a heart attack. Well known in Illinois farm circles, Allison served as farm adviser at Pontiac and was a faculty member of the agriculture schools of the universities of Illinois and Missouri before heading the institute. His wife and two children survive.

WELCOME BACK TO REA FAMILY



ARLISS TRUNINGER

Mrs. Arliss Truninger has returned to the office staff of Jo-Carroll Electric Cooperative, Inc. of Elizabeth after an absence of more than three years.

She will serve the co-op in the dual capacity of secretary to the manager and assistant to the office manager. Mrs. Truninger worked for Jo-Carroll in the early construction days, leaving in 1941 to become billing clerk supervisor at the Savanna ordnance depot. Her husband, Tech. Sgt. Lauren Truninger, is stationed with American military forces in China.

NEWS FROM Clinton County

Breese, Ill.

JOSEPH HEIMANN, Supt.

HONOR ROLL FOR JULY

Commercial

Herman Graham, 5441; Gulf Refining Company, 1661; C. F. Frazier, 1428, Nick Babare, 345.

Non-Farm

E. W. Striebing, 606; A. J. Marcham, 367.

Farm

Clarence Dickhaut, 1117; Harvey Klingelhoefer, 880; Edward Hugo, 773; Al Groene, 749; Joseph Meyer, 715; Alfred L. Stein, 715; Jos. Helmann, 709; Louis Heimann, 623; Alvis B. Loepker, 609; Frank Hansemann, 605; Arthur Nettles, 552; Fred C. Fruend, 550; Arthur O. Riess, 515; Adam Nettles, 505; Bernard J. Gebke, 503; Emma Schumacher, 500; Paul J. Huels, 487; Joe Detmer, 469; Vincent P. Schaefer, 455; Charles C. Virgin, 442; Geo. Zieren, 435; August Jansen, 434; Orville Rinderer, 432; Al Renschen, 429; Albert Leicht, 422; George White, 406; Frank Terry, 404; Wm. Ranz, Jr., 400; Ben Rensing, 400; Fred J. Hempen, 398; Henry J. Richter, 390; Frank Heinzmann, 385; Charles R. Good, 383; Harvey Huelskoetter, 377; Wilmer Schlichter, 375; Paul H. Renschen, 370; Millard Felton, 366; Ben Bruns, 359; William Michael, 358; Vincent Albers, 357; Fred Huelsmann Sr., 356; Tony Rensing, 353; Edward C. Defend, 352; Ed Merrill, 350; Henry Bergmann, 349; Jos. Schumacher, 346; Bert Mathews, 344; Joseph H. Kalmer, 343; George Zoellner, 343; Alphonse Varel, 340; Geo. Frerking Sr., 340; Ray Malan, 338; Alphonse Kampwerth, 330; Leo Frerker, 328; Lewis Wiedle, 323; Frank Holtgrave, 322; Anthony Rakers, 322; Louis Korte, 318; Ed Carson, 315; Myrtle Dierkes, 312; Fred Newberry, 311; Victor Timmermann, 311; Henry Lueking, 309; Ben M. Meyer, 308; Edw. Korte, 308; Theo. Kruep, 305; Henry P. Schnur, 304; Henry S. Ratermann, 304; Henry Molitor, 303; John Eilermann, 303; Delmar Heuberger, 300; Herman Wesselmann, 300; Louis Santel, 300; Robert Hayden, 300; Harvey Harpstrite, 300; Theo. Zurliene, 300; Henry Hilmes, 300; Alvin Twenhafel, 300.

New Arrivals in REA Homes

Baby girl—Mr. and Mrs. Alphonse Isaak, Bartelso, Ill.

Baby girl—Mr. and Mrs. Sylvester Ratermann, Carlyle, Ill.

Baby girl—Mr. and Mrs. Albin Rakers, Aviston, Ill.

Baby boy—Mr. and Mrs. Louis Timmermann, Breese, Ill.

Baby girl—Mr. and Mrs. Eugene Grapperhaus, Carlyle, Ill.

We wish to extend sympathy to Alvin Brauer, REA user, whose mother (Mrs. Mary C. Brauer) died on June 13th.

Amanda, wife of Fred Beckemeyer, Carlyle, Ill., died on Sunday, July 1. She was the mother of seven children, having three sons in service. Mr. and Mrs. Beckemeyer have been REA members and users since the time our lines were energized. Deepest sympathy to Mr. Beckemeyer and children.

Frank Schuette, owner of four REA Electrified Farms died July 11. Mr. Schuette has two sons, one serving overseas. Sympathy is extended.

A Reminder, Please

Please read your Meter on the 20th and return card to this office at once, as it is necessary that we have this reading no later than the 24th of the month in order to prepare our bills.—Thank you.

We are glad to hear of the progress that the Clinton County Home Bureau is making. Community Units have been established and officers elected for each unit. Home Adviser has been employed as of August 15th with office in Carlyle.

New Appliances

Electric Range—Mrs. Mamie Hest-

SALISBURY SEES VAST MARKET AHEAD FOR ELECTRICAL EQUIPMENT ON FARMS

Speaks at Menard Party On Herzberger Place; 425 Are Present

Believing that rural electrification is here to stay, millions of dollars are being spent by leading manufacturers to develop and perfect new electrical equipment for farm use and to provide for hundreds of thousands of farm folks the scores of appliances with which they are familiar and which shortly will be available.

In these words, James Salisbury, Jr., REA economic analyst, took his listeners behind the reconversion scenes for a look into the future electrical appliance and equipment field in speaking August 10 at the third annual Menard Electric cooperative party at the Audace Herzberger farm, near Virginia, Ill. Approximately 425 persons attended the program.

Developing further his theme of what the future holds for residents of electrified farms and those residing on farms soon to be electrified, Mr. Salisbury said:

Illinois' Part

"I would like to point out something that should be of great importance not only to merchants who handle electrical appliances but to businessmen who will profit indirectly through an increase of spending power of the farmers and rural residents of this region. I refer again to the future construction plans of the REA-financed system, especially in Illinois.

"Illinois' portion of REA's pro-

posed \$576,000,000 three-year construction program will release a lot of payroll dollars to Illinois business just for construction of power lines. Every consumer who gets electric service will immediately be in the market for electrical equipment and appliances. And in addition there is an enormous, pentup demand among rural people who already have electric service. A recent survey among REA-served farm families, by a national farm magazine, to determine present ownership of electrical equipment and postwar purchase plans, gives a fairly accurate picture of just how great the demand will be.

What They'll Buy

"In Illinois, where 732 farm families returned cards in the survey, it is estimated that the REA-served farms will provide a brand-new market for 44,800 radios, 17,700 electric ranges, 50,600 refrigerators, 47,300 washing machines, 28,200 vacuum cleaners, 35,500 water pumps and 20,000 bathroom installations with either tub or shower.

"Let us also bear in mind that although farm use of electricity has made tremendous strides during the war years, the practical application of electric power to farm usage is still in its infancy. The field is recognized by electrical manufacturers as the greatest to open to the industry in years. They have long since concluded that rural electrification is here to stay, and they are spending millions of dollars in research to develop new and better electrical appliances for farm use."

State Leads in Soybean Acreage; Ohio Is Second

Soybean oil almost caught up with cottonseed oil in the production of oleomargarine last year, commerce department figures have revealed.

Of all the oils and fats used in 1944 in producing oleo, 45.3 per cent was soybean oil, and the remaining 10.3 per cent was peanut, corn and linseed oils and animal fats.

In 1940, soybean oil accounted for only 34 per cent and in 1943, it accounted for 39.8 per cent.

Total 1944 output of crude soybean oil was 1,245,873,000 pounds.

Illinois was far in the lead with 451,344,000 pounds.

Ohio was second with 150,412,000; Iowa third with 147,523,000; Indiana fourth with 110,249,000, and Texas fifth with 68,567,000.

Mastitis is an inflammation of the udder which may reduce the milk flow and ultimately destroy the functional tissue of the udder.

er, Sandoval.

Milking Machine—Henry Hilmes, N. W. of Carlyle; John Nettles, N. E. of Ferrin.

Water Heater—Henry Kues, West of Breese.

Pvt. Eugene Remmert, son of Mr. and Mrs. Eugene Remmert is spending a furlough at home.

Pvt. Vincent Voss is home on furlough.

New Users

Joe Walthes, Hy. Friederich, Geo. Emmerich, A. O. Calvin, Gordon Kraemer, Edsel Nordike, E. M. Outhouse, Al Zurliene, Geo. Frerking, Jr., Wm. Johnson, Dave A. White, Clyde King, Hy. Speiser, Anton Voegel, Walter Rowald, Cecil Williams, Cliff Allen, Melvin G. Casgrove, Mrs. Ida Hilderman.

Citation Awarded

Sergeant Aloys F. Pingsterhaus, son of Mr. and Mrs. Ben Pingsterhaus, who live at Bartelso, Ill., shares a citation awarded the Third Battalion of the crack 127th Infantry Regiment, for outstanding performance of duty in action against the enemy on Leyte Island.

Announce Plans For Quarterly State Meetings

Meetings of the board of the Association of Illinois Electric Cooperatives will be held quarterly in the future, according to a resolution approved at the state-wide convention.

Plans are to hold district meetings throughout the state prior to each board meeting so that board members can discuss with representatives of co-op they represent matters which are to come to the attention of the state board. Directors also may also have an opportunity of reporting on board meetings to district representatives.

Lists Pointers To Avoid Bloat In Dairy Cows

Dairymen this week were given several precautions to follow in order to reduce or avoid losses from bloat. J. G. Cash, assistant professor of dairy husbandry extension, University of Illinois college of agriculture, suggested four points that have proved helpful according to the experience of many Illinois dairy cattle owners.

1. Give cows a feeding of hay and grain before turning them onto legume pasture for the first time.
2. Keep a supply of hay or straw in a rack located near the watering or resting place. This precaution is important because small amounts of roughage enable cows to get rid of gas.
3. Keep fresh water readily accessible. Keep salt or salt and lime before them.
4. When cows are pasturing legumes, check carefully several times a day to detect any cases of bloat.

Texas REA cooperatives have now passed the 100,000 mark in membership. The state's 71 REA co-ops have a total membership of 100,553. The first REA line in the nation was built near Bartlett, Texas, in February, 1936.

ALLOCATE AGENCY—

(From Page One)

struction of rural power lines by cooperatives and private utility firms alike must necessarily be slow and prospective consumers must continue to exercise patience.

Johnson Amendment

Congressman Johnson's amendment to the Second Deficiency bill brought REA a total of \$120,000,000 in loan funds. The amendment followed a continual scaling down of an REA request for funds from the \$230,000,000 asked to \$50,000,000. The Budget of the Bureau reduced the original request to \$160,000,000; the sub-committee on deficiencies cut it to \$120,000,000 and the full committee finally reduced it to \$50,000,000.

Johnson, citing the hundreds of thousands of miles of rural electric line still to be built to the nation's farmers, asked that the deficiency appropriation be raised from \$50,000,000 to \$120,000,000. He was supported in his plea by Congressmen John Rankin of Mississippi, Charles B. Hoeven of Iowa, George H. Mahon of Texas, Stephen Pace of Georgia, Karl Stefan of Nebraska, John R. Murdock of Arizona, A. L. Miller of Nebraska and W. R. Poage of Texas.

Backed by the representatives of these mid-western and western states, the Johnson amendment carried, 102 to 29, in the House and was subsequently adopted without a fight in the Senate.

To the \$120,000,000 allotted REA in the deficiency bill, there is the previously allocated sum of \$80,000,000 from the regular agriculture department appropriation, bringing loan funds for the current fiscal year to the high peak of \$200,000,000.

Staff Enlarged

Administrative funds for REA are also larger than they have been in the past few years, with the result that the agency is planning to expand its staff to about 1200 workers. There are now approximately 830 persons employed by REA, an increase of more than 100 since January and about 175 more than a year ago.

The Rural Electrification Administration has moved rapidly to approve as many loans as possible since the agriculture department's appropriation of \$80,000,000 to REA became available, records show.

For the first time allotments against loan funds were made before the fiscal year for which they were approved. The result is that as of June 30 slightly more than half of the total \$80,000,000 in loan funds made available through the department's appropriation had been allotted. REA figures show that the agency has allotted loans at the rate of \$1,000,000 per day since May 14.

Construction of lines is going to bring with it the problems of wiring, plumbing and electrical equipment installation headaches. In line with these difficulties, REA is now preparing a plan to help cooperatives find a partial solution at least to the problems of where to find enough electricians, plumbers, appliance dealers and service men to meet the urgent needs of their members.

FORMER FARMER IN IOWA GIVEN HIGHEST HONOR

A former Iowa farmer who rescued four wounded comrades from two shell-smashed, flaming tank destroyers and forced surrender of 55 Germans in two days of fighting has been awarded the Congressional Medal of Honor.

He is Staff Sgt. Herschel F. Briles, 31, of Colfax, Iowa. Although he was ill at the time, Briles knew that a big battle was impending and refused to leave his post as leader of a tank destroyer platoon.

Edwin Gumm of Galesburg has been named president of the Illinois Milk Producers Association.

Farm Products Prices at New High for July

The general level of prices received by farmers in mid-July was the highest for that month since 1920, the agriculture department said today. It was unchanged from June.

Mid-July prices, at 206 per cent of the 1909-14 average, were 14 percentage points higher than a year ago.

Higher prices for meat animals, truck crops, poultry and eggs were the primary contributions to the year's increase.

This left farm product prices at 119 per cent of parity, the same as in June, but six points higher on the parity scale than in July last year.

While some commodities averaged well above parity, prices of three of the basic crops were below parity, with wheat at 95, cotton 99 and peanuts 99 on July 15.

EVEN GIRL FARM HAND "JOINS UP"; MAN REPLACES HER

Robert Huston, Morgan county farmer put in an order for an experienced farm hand, and although the county farm labor office was able to supply him with one, scarce as such help is these days, Huston feels the new "hand" will have to go some to beat the girl who has been doing the work.

"If I could keep that girl on the job, I wouldn't ask for better help," says Huston. "However, she wants to join the WAC and is waiting for her call."

Her name is Lois Fern Morris, and she is one of an army of women and girls who have been helping Illinois farmers to meet food goals during the war.

RAPID PROGRESS—

(From Page One)

co-ops may have to "hedge or shift" their plans in some areas but "we are going to drive forward and complete our area coverage program."

In speaking of future construction, the deputy administrator called attention to the fact that REA has not been lagging in its electrification program despite war-time restrictions and cited figures to show that an average of 10,000 new consumers have been connected each month for the last year. The present loan fund, he stated, is 50 percent greater than REA has ever before had in a single 12-month period and the construction program envisioned is double that considered sometime ago for the immediate post-war period.

Hits Misinformation

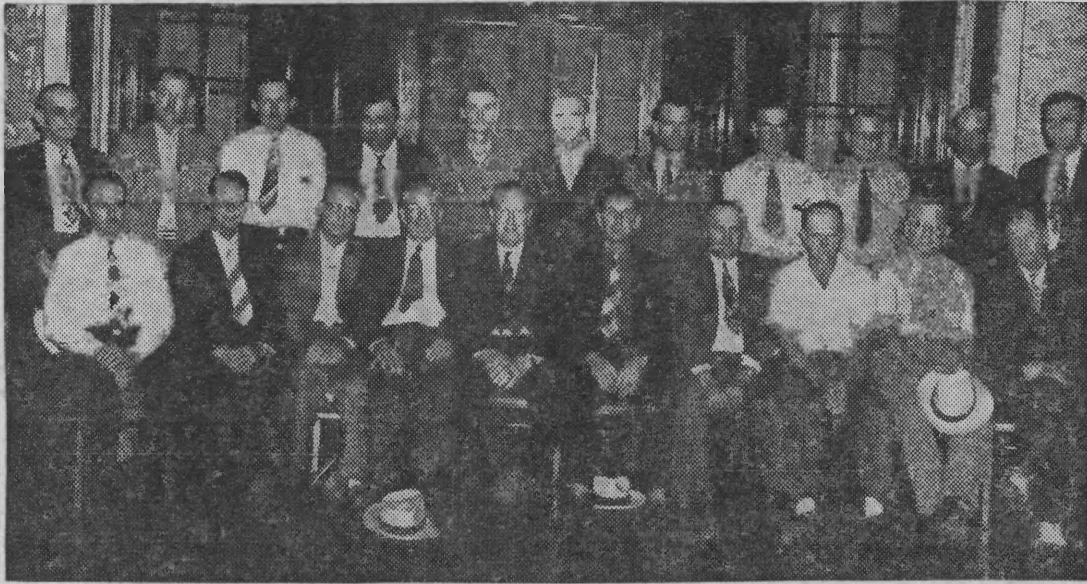
He hit strongly at misleading information put out in advertisements and news stories aimed at giving readers the impression that the government is "levying taxes and appropriating money to build rural power lines." Nothing can be more misleading than statements of this nature, he declared, in explaining that REA cooperatives, like numerous private business firms, borrow money from the government through the Reconstruction Finance Corporation and that this money is paid back with interest. REA's record of re-payment, Mr. Neal, said, is better in many instances than that of some private business concerns.

In referring specifically to Illinois, the deputy administrator said:

"Already allocated to the Illinois REA cooperatives for line construction in rural areas is \$2,270,000, and co-ops have unexpended funds amounting to \$4,000,000 available for immediate construction. The goal here, as in other states, is electric power for every farm in Illinois."

Mr. Neal saw in REA's vast program many places for returned service men and unprecedented sales for private industries engaged in the wiring,

Inspectors Attend Wiring School



Shown above at the conclusion of the wiring instruction school conducted last month in Springfield by Thomas P. Branch, head of the wiring unit of REA's applications and loans division, are wiring inspectors and electricians representing the majority of REA cooperatives in Illinois. The school was conducted as a feature of a meeting of the Illinois REA Managers' Association.

Among those shown above are Carl N. Hill, Spoon River; Melvin Marburger, M.J.M.; J. B. Clark, Southeastern; Noble Spain, South-



THOMAS P. BRANCH

Direction of the school of instruction for wiring inspectors of REA cooperatives in Illinois was in charge of Mr. Branch, head of the wiring unit for REA's applications and loans division. Safe and adequate wiring was the subject most stressed by Mr. Branch in his talk to the wiring inspectors. He also discussed the vital need for inspections and called for periodical re-inspections on wiring on premises of co-op members.

plumbing and electrical appliance fields.

Stoneman Speaks

Earl J. Stoneman of Platteville, president of the National Rural Electric Cooperative association, addressed the group calling attention to the benefits co-ops have derived through the NRECA.

Referring to recent organization of private power companies, he said that this fact alone indicates that there is now more than ever a need for a strong association of rural electric cooperatives. NRECA, Mr. Stoneman declared, was instrumental in getting through Congress the Pace bill, which cut interest on co-op loans to 2 percent. He expressed the hope that the cooperative spirit would become general and that nations as well as individuals would turn to the principles of democracy, Christianity and cooperativeness in future dealings to prevent a recurrence of the First and Second World Wars.

Litigation Program

Everett R. Read, newly elected vice president of the state-wide, and William R. Harris, legislative committee attorney, discussed aspects of the case involving Farmers Mutual Electric cooperative of Geneseo and Illinois Power company. In deciding that the cooperative was just in its fight to provide service to a number of un-served farms in the disputed Annawan territory, it was recommend-

ed that the matter of legal fees incurred in the law suit thus far be referred to the board for further study and clarification. During the morning reports were given on labor and public relations, wholesale rates, engineering, construction and operation of outside plant, finance, insurance and office procedure. Those who spoke included Joseph Heimann, L. C. Marvel and A. C. Barnes.

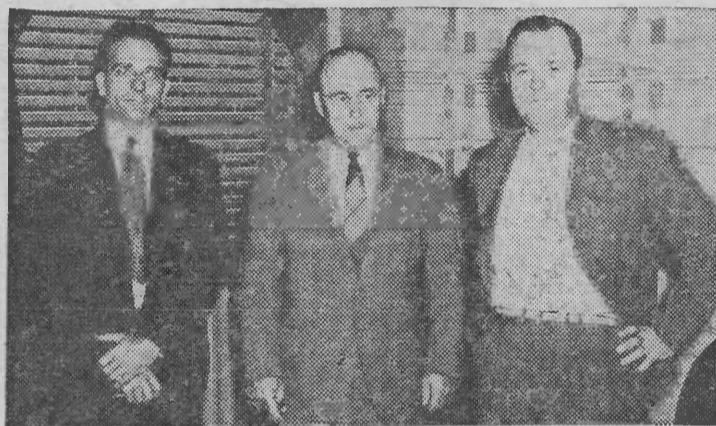
Harvey Schermerhorn, publications director of the Wisconsin Electric Cooperative, spoke briefly on activities of the Illinois REA News, with which the Wisconsin organization cooperates in publication, editing and business management. G. Wayne Welsh, president, presided at the meeting. Fred W. Harms, president of Rural Electric Convenience Cooperative of Divernon, read three resolutions, all of which were adopted. One expressed the association's sympathy to the families of B. H. Tuttle, J. E. MacDonald and F. A. Tannahill, Illinois REA co-op managers who have died in the last year; another called for quarterly meetings of the state-wide board along with district meetings to be held prior to each state session; the third commended Russell Gingles for editing the Illinois REA News and expressed regret that he is leaving the publication to accept another position.

Covers Grain

Winter manure spread on late-sown fields of winter wheat or barley will give the grain additional protection from the weather.

Aylesworth and O. W. Orendorf, Corn Belt; Ray Shoup, Earle Dossett, and R. D. Wilson, Rural Electric Convenience; C. D. Musgrave, Wayne-White; Herman Ehlers, Egyptian; Dave O'Donnell, Illinois Rural; M. L. Andrews of LaHarpe. Managers from all REA cooperatives except three attended the meeting.

Rural Electrification officials present, in addition to Mr. Branch, included Russell Payne, field engineer; George Dillon, regional head of the applications and loan division, and Everett Brown, applications and loans field man.



HEAD MANAGERS' ASSOCIATION—Much of the success of the recently organized association of Illinois REA Managers depends on direction given the group by these three officers. From left to right, they are: V. C. Kallal, manager of Southwestern Illinois Electric cooperative, secretary-treasurer; T. H. Hafer, superintendent of Corn Belt Electric cooperative, president, and S. R. Farris, manager of Illinois Rural Electric cooperative, vice president.

Action On Phone Service May Be Taken This Fall

Action on rural telephone bills, introduced in the House and Senate by Congressman W. R. Poage of Texas and Senator Lister Hill of Alabama, is expected this fall, according to congressional reports.

Under terms of the measure introduced by Congressman Poage, REA would be authorized to "make loans for the purpose of expanding rural telephone facilities." Poage proposes that REA cooperatives would string telephone lines on their existing power poles and that such lines would thus be carried into cities or towns adjacent to each co-op area served.

At the city limits of each community the co-op lines would connect with lines of the local telephone company for service through the present telephone exchanges. This program, Poage declares, would give rural people satisfactory connection with other local subscribers and with long distance. In the future telephone service might be carried by REA co-ops over their present power lines if experiments now being carried on prove such an arrangement satisfactory, the Texas congressman declared.

Chicago producers officials say that paint on hogs for identification purposes is not satisfactory. They say it blends with the hog's color and cannot be seen. Hogs should be marked with shears before leaving the farm, if possible.

NAME WIGGINGTON CO-OP HEAD IN LANCASTER, WIS.

Harry T. Wiggington of Cicero, Ill., general manager of the A & A Electric company for the last three years, has been named manager of Grant Electric cooperative at Lancaster, Wis.

Mr. Wiggington, a native of Kentucky, succeeds Rex. E. Dewey, who resigned to join the field staff of the Rural Electrification Administration. Known to many REA cooperative managers in Illinois for which A & A Electric company has built hundreds of miles of line, Wiggington has had considerable experience in the design and construction of rural electric lines. His brother, Horace, is a resident engineer now stationed at Menard Electric cooperative.

ILLINOIS REA—

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sire.

On the basis of PRESENT REV-ENUE subscribing cooperatives at the close of the 1946 fiscal year will be in position to receive patronage dividend refunds of a minimum of 1 cent per subscriber, bringing the cost of the publication down to 4 cents per member.

At the current rate of expenses, the Illinois REA News realizes a net gain of \$14 per thousand subscribers... BUT FROM NOW ON THIS NET GAIN WILL CLIMB TO APPROXIMATELY \$30 FOR EACH ADDITIONAL THOUSAND SUBSCRIBERS. This is possible because expenses in publishing the Illinois REA News will not increase at the same rate per 1000 subscribers in the future as in the past. At its present circulation figure, the publication has reached that enviable state where expenses remain more or less stable while net gains more than double with added subscribers.

Therefore, the logical conclusion is that THE MORE SUBSCRIBERS THE ILLINOIS REA NEWS HAS THE LESS IT WILL COST PER MEMBER. To those cooperatives who are not now sending the publication to their members, leaders of the Association of Illinois Electric Cooperative urge that a re-examination of the value of the Illinois REA News be made in the light of its present sound financial basis and its future refund dividend program.

To Its Credit

No publication circulating in Illinois goes to as many REA-served homes in the state as does the Illinois REA News, and no one publication carries as much news about Illinois REA cooperatives or fights as hard for the continuation of the rural electrification program as a whole than does the Illinois REA News. Its value as an editorial voice for the REA cooperatives in Illinois has never been disputed; its stand is non-political; its ownership is vested in the state-wide association; its aim is merely to work for the greater glory of the REA movement.

Starting with only a hope and through the cooperation of the Wisconsin Electric Cooperative, which financed the early struggle of the paper, the Illinois REA News' fourteen subscribing cooperatives today, can well point with pride to their successful publication. They want all cooperatives in the state to share the benefits which can come only through a state-wide, informative publication. To the directors of non-subscribing cooperatives, boosters of the Illinois REA News say: "Talk it over with your membership, re-examine your present non-subscribing stand, join with us in building throughout Illinois a well-informed REA co-op membership, subscribe to the Illinois REA News."

Indiscriminate

That man is quite impartial; he lies about everybody.—Samuel Johnson.