## **Behind** the Wheel

with J. F. Yaeger, Organization Director

#### Suspicion

There was quite a stir in Mancelona, Antrim county, on Saturday, August 8. An automobile containing three men had been seen on various roads der the Michigan plan with the Michapproaching and overlooking the town about mid-afternoon. It aroused suspicions. It recalled a bank robbery of some years ago. Not to be caught napping again, the boys decided to give the robbers (if they so turned out to be) a warm reception,

placed along the out of town. The everybody waited.

the three men

J.F. YAEGER alighted. As they hesitated on the sidewalk, those per month. watching cocked their rifles and prepared to fire-only to see the men and order lunch. They were magathe community.

#### Puzzled

Antrim county, is puzzled. He recently received notice from Fenton, Michigan, Genesee county, to appear in court there on a charge of illegally parking his truck in that community. The thing that puzzles Pete is that the Michigan plan, originally pro- ing gun of a two months' fall memberhe didn't even know where Fenton was before he looked it up on the Bureau in July of 1935, they, to- throughout lower Michigan. Much army to General Washington at Yorkmap, the truck hasn't been out of his gether with the Consumers, the Demembership work was done during the township this year, it has 1936 li- troit Edison, the Citizens Light & spring months. cense plates on it but the notice bore Power of Lenawee county, and the the correct 1935 license numbers. The Indiana & Michigan will have brought forty County Farm Bureaus, with old 1935 plates are in Pete's possession the Michigan plan to practically all of the assistance of State Farm Bureau and he's wondering how someone got lower Michigan. Several companies that old 1935 license number or in the upper peninsula are using fall membership effort. The State orwhether its a curious happenstance modifications of the plan. that just got the right number at the wrong time. You figure it out, Pete

#### Oleo

taxes on imported oils that go into the manufacture of oleomargarine wiring and electrical appliances.

| Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings and their surroundings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men who spoke or gave courses of outbuildings | Men w

nounced at association headquarters watt. this week."-Michigan Tradesman,

fight for taxes on oleo and imported way for rural power lines. oils. Why not make the efforts of organized farmers more effective by being a member of this organization pose your interests and get as well sentable. organized as they are.

The recent hall storm that did do Ed. Kowalski, director of the East Jordon Co-operative Association, of the time he got caught swimming when a hail storm came along. Ed. says he tried to get under water far enough to avoid the hammering of the frozen rain but couldn't escape. He finally made a dash for shore and got under cover but not before his whole body was bruised by the hail. Ed. says hail comes down with quite a lot of force. If you don't believe it try running around in a bathing suit in the next hail storm in your community.

Prophet Everybody in the vicinity of Bellaire, Michigan, is talking about the fine cooperative talk Mr. Douglas Steere, formerly a resident in that northern county, now a Professor of Rural Sociology at Haviland College, Haviland, Pennsylvania. The occasion was the annual meeting and picnic of the Bellaire Co-operative Association on August 3. Mr. Steere put it up to the farmers rather frankly and told them they'd better wake up and get organized or there wasn't much hope. As one of the boys said, "He sure told 'em and they liked it."

Grandpaw (Continued on page 4.)

## TWO MORE POWER **COMPANIES READY** FOR RURAL LINES

Plan Backed by Farm Bureau Soon Available Everywhere

Within the next ten days the Michigan public utilities commission expects to complete arrangements un igan Gas & Electric Co., and the Michigan Public Service Co. for those companies to bear the cost of extending rural power lines in exchange for a minimum monthly bill arrange ment with the farm customers served. The Rural Power Line Problem

The utilities commission has been The Sheriff and deputies posted them- negotiating an arrangement with selves in strategic places about the these companies since January. The bank. Others were enlisted and with problem is to get a plan for each their trusty deer rifles they were privately owned or publicy owned power plant that will permit them to main roads leading invest upwards of \$1,000 per mile in rural power lines, and which will State police at Tra- provide a rate arrangement that will verse City were sustain the line and encourage the called and told to greatest number of farmers to take on be ready. Then the serivce. The arrangements differ Free Fair, folks left everything else complete and was attended by the Westinghouse electric ranges, refrigsomewhat in various power territor-Just as it struck ies, in accordance with the density of noon, the suspic- population and with the financial ious car was driven strength of the companies involved. up to the bank and In Consumers territory, for example, five customers per mile of line each guarantee a minimum bill of \$2.50

Details of the Michigan Gas & Electric and the Michigan Public Service plans will not be available walk into the restaurant next door until the utilities commission issues its order upon them. The Gas & Fall Campaign Starts Sept. zine salesmen preparing to canvass Electric company serves rural territory in St. Joseph, Van Buren, Cass and part of Kalamazoo and Berrien Mr. Peter Weiland, president of the counties. The Public Service Com-Tri-County Farm Bureau, Ellsworth, pany serves rural territory in Mason, Chebovgan, Oceana, Manistee, Charlevoix, Otsego, Grand Traverse, Leelanau, Antrim and Crawford coun- man of the American Farm Bureau

The two companies serve large ships at the Ionia County Fair Farmrural areas. When they come into ers' Day, August 21, it was the openposed by the Michigan State Farm ship campaign to be conducted

Farm Bureau's Objective The Farm Bureau's idea in the

the farmer's butter. The other day the same rates that city customers sentatives who will assist in this Huron or the nearest water . . . Scores ingham of Boston University; R. G. the following was pointed out to me: pay. Their monthly minimum bill work: Eastern Michigan, W. A. Gwinn, never got there . . . Thirty villages Waite, of the American Youth Foun-"The National Association of Retail guarantee under the Michigan plan is L. E. Wright, Stanley Sherman and burned . . . Rain checked the fire dation at St. Louis, Mo.; Anthony Grocers, in pursuance of deliberations about the average of all residence Charles McCalla; central Michigan, after three days . . . At Bad Axe only Lehnor of the educational division of at its recent Dallas (Texas) conven- rates for Michigan, around \$2.50 per C. F. Openlander; south central coun- the brick and stone court house the Indiana Farm Bureau; B. F. tion, will actively co-operate in the month. Ranges and refrigerators will ties, A. M. Edmunds; Saginaw bay escaped the fire . . . refugees filled the Beach, sec'y of the Michigan Milk current drive for the removal of taxes exceed minimum rates on current counties, Fred Reimer; southwest building, according to the artist's Producers, C. L. Brody of the State on oleomargarine products, it was an- bought at the low of 2 cents per kilo- counties, J. R. Bliss; northwestern sketch . . . His drawing reveals that Farm Bureau; George Boutell of the

Under the Michigan plan, power counties, Fred Dobbyn. companies are planning to connect Well, Mr. Farmer, do you now be- 52,500 farm homes in 1936 and lieve that you need to be organized? 1937. Probably 200 line crews are The American Farm Bureau Federa- at work. The Consumers alone has tion has and is today leading the 100 men working on farm rights of

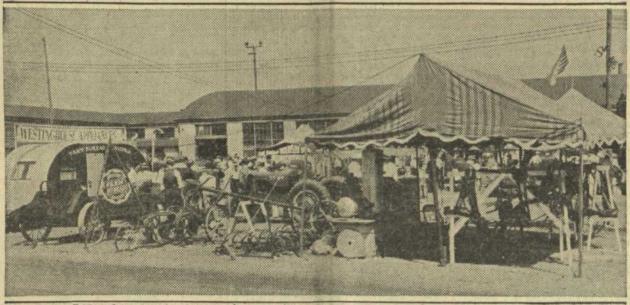
#### WHAT TO AVOID Lady: You would stand more \$17,000 greater business this year

and help fight for your industry? Bet- chance of getting a job if you would than last. The stockholders receiv-

out years ago.

voix county, and vicinity reminded when the manufacture of felt hats ark to the board. Bernie Klooster is the manager. was introduced in Germany.

#### Farmers Desert All Else to Watch Tractors Perform



FARM BUREAU MACHINERY, HARNESS AND ELECTRICAL EXHIBIT AT IONIA FAIR

the power of the tractors at the Farm of this photograph.

8,000 MEMBERS

15; Will Cover Forty

Counties

When central Michigan County

Farm Bureaus presented Vern Vani-

with 457 new Farm Bureau member-

Ellsworth Does Well

IN 1936 EFFORT

**BUREAU TO ADD** 

Bureau machinery exhibit at the Ionia | The fair machiney exhibit was most

Whenever they began to demonstrate | bunch around the tractor at the left | Bureau's display included several Coop tractors, Co-op tillage tools, electric water systems, harness, fence, and to have a look. There they are, the leading manufacturers. The Farm erators, washers and other appliances.

# Another Centennial

Recently we came upon a bound volume of Harper's Weekly for the year 1881 . . . really, quite a find. So let's have a look at the month of September, 1881, as our parents or

1881 was a centennial year . . . a nundred years had passed since Lord Cornwallis surrendered the British town, Virginia . . . so preparations were under way for a national ob-From September 15 to November 20, servance at Yorktown in October.

representatives, will be engaged in a in Michigan to build rural lines at ass'ns at their request. It has long a fire blackened waste . . . Long

which competes on the market with Farmers are getting electricity for State Farm Bureau district repressmoke . . . Settlers started for Lake instruction included: O. W. Warmare are equally neat and well kept. counties, Wesley Hawley; northern the same court house serves Huron Michigan Live Stock Exchange at Decounty today.

Ellsworth—Stockholders of the field will not recover from the wound ers, Junior Farm Bureaus, Farmers life. There are two children, a son, Ellsworth Farmers Exchange enjoy- inflicted by Guiteau . . . No admirer Clubs, Grange, Co-operative Elevator Dale, attending Michigan State Coled good news at their annual meeting August 12. The exchange did ter take a lesson from those who op- shave and make yourself more pre- ed a 5% dividend, and an extra Harper's remarked that the moment work being given at the Camp, Sec'y 2% patronage dividend. They in-Tramp: Yes, lady. I found that creased their board of directors from greater care in the selection of a the 70 young men and eight young 7 to 9 members, re-elected Wm. Kooyer, George Rubingh and H. S. Hats were not generally worn in Peebles for three years, and added faction, or using it to gain regional as one of the most progressive and much damage at Boyne Falls, Charle-Hats were not generally worn in Feebles for three years, and added support for the ticket . . . we still far reaching steps the commodity or Europe until the fourteenth century. Mettus Rubingh and G. P. Vander-support for the ticket . . . we still ganizations and Farm Bureau of

> ... a peek into the back of the volume increasing results on through the reveals that in December Harper's years for the permanent enrichment wrote that President Arthur's first of the farm families of our state, and message to Congress impressed the for making life more satisfying to country very favorably . . . that the our rural people. message and the dignity of the President's bearing since his accession had shown by the young people of this of the program.

small as the fine type used in the teen years I have been with the classified advertising in most news- Michigan State Farm Bureau." papers today . . . some of the type was in even smaller sizes . . . Bear Baldfaced Sheep Without in mind too, that every line was set by hand from the printer's case . . . a practical type-setting machine was some years in the future . . . photo- Wilson, the son of "Tama Jim" Wilgraphs and drawings were printed son, who was Secretary of Agriculfrom wood cuts, painstakingly, yet ture under four presidents, has dehis subject into a printing surface in troubles that accompany tail-dock-George Boutell (seated at right) news broadcaster, is heard in a short publications, for many years it has wool of the tailless sheep possesses manager of the Michigan Live Stock resume of farm news from Michigan been supplanted by the infinitely uniformly superior properties and the Indians on the upper lakes as Higher priced fur garments are Exchange, presents the daily review his Mountaineers provide the musical faster and better photographic-enis better. This baldfaced sheep common use until after 1830. Folks at Torch Lake near Bellaire of farm markets in Michigan from part of the program. The program is graving process in which the camera can withstand the severe snows and were sure excited recently about the 12:15 to 12:30 noon, except Saturday "The Farm Market Reporter," spon- and the chemical laboratory work sleets of far northern winters, with

## 78 YOUNG PEOPLE ATTEND SCHOOL AT WALDENWOODS

Farm Bureau and Commodity Exchanges Explain Their Aims

Seventy-eight young farm people from many of the counties in lower Michigan attended the Rural Young People's Leadership Training Conference at Waldenwoods camp, near Hartland, Livingston county, the first week in September. The conference was sponsored by the State Farm Bureau and associated farmers co-operatives.

For the week, these young people were students of rural relationships and farmers' co-operative business People of national reputation served the great fire in the Thumb of Mich- as teachers. The course was under igan . . . Harper's devoted columns of direction of Benjamin Hennink of ganization expects to add 8,000 farm descriptive matter and several pages the Farm Bureau young peoples defamilies to its rolls during 1936. Much of drawings to the holocaust . . . The partment. The State Farm Bureau, Michigan plan is to get the private of the work is to be done around farm- eastern half of Huron and Tuscola several county Farm Bureaus, the and publicly owned power companies er owner elevators and merchandise counties and nearly all of Sanilac was Michigan Milk Producers, the Live Stock Exchange, the Elevator Ex- is impressed by its attractiveness. A change and the Farmers and Manu- fine, modern brick home is situated eau Federation, organized dairy farmtheir own expense that will permit
strong Farm Bureau membership,
crops to burning stumps and brush.
The Sarvices row consists for farmertheir own expense that will permit
strong Farm Bureau membership,
crops to burning stumps and brush.
The Sarvices row consists 13 beautiful group Shrubbery and colorful flowerbeds add
The Sarvices row consists 13 beautiful group in the farmer to use the money he forers and others have been fighting for merly had to put up for line con-there is a good business for farmer. Thousands of such fires were going of buildings established beside a lake a finishing touch. The lawn is spac-

troit; Neal Bass of the Michigan Ele-

Beet Sugar Ass'n. The young folks present came from

Commenting upon the course of "I regard the Waldenwoods camp

President Garfield died September 19 and President Arthur was sworn in tion each year will bring constantly

"The appreciation and interest won for him regard and confidence. | camp is one of the most encouraging In 1881 Harper's was set in type as things I have experienced in the six-

# Tails Is a New Development

Out in South Dakota, James W. swiftly produced by skilled artisans veloped a new and superior breed of . . the maker of a wood cut carved baldfaced sheep without tails. The the end grain of a block of hard ing are thus eliminated in this breed, wood . . . once an important work in but more important than that, the

these causes.

#### Donkey and Elephant Symbols by Tom Nast

The emblems of both major poitical parties-the Democratic don key and the Republican elephantwere inspired by the same cartoonist Thomas Nast, who won fame for his drawings in Harper's Weekly.

The Democratic donkey come into existence on Jan. 10, 1870, when the eartoon shown here appeared in Harper's. The Democrats still were bitterly assailing Lincoln's secretary of war, Edwin M. Stanton, though he had died a short time before.

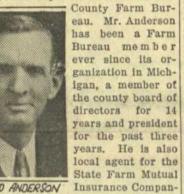
defying the dead lion, Nast's cartoon showed the lion, labeled Stan- at Lansing, August 27 that they will ton, beneath a tree, with a donkey lashing his heels at the carcass. The donkey emblem speedily found favor with the Democrats and they adopt-The G. O. P. elephant first appear-

ed in the cartoon printed in Harper's Nov. 7, 1874. Its basis was another fable, of the donkey clothed in lion's skin, which brayed in the jungle and tuition now being paid by the State, frightened the elephant into dashing nto a trap set by a wily fox.

The elephant as an emblem pleased Republicans, so it was adopted to ment. represent their party.

## Presidents of County Farm Bureaus

Master Farmer, member of the St. ohns Co-operative Company, director of the Farmers' Mutual Fire Insurance Company for Gratiot and Clinton counties, one time township treasurer, operator of a 240 acre farm, and a preeder of purebred Guernsey cattle and Hampshire sheep,-that's Floyd J. Anderson, Essex township, Clinton county. He is president of the Clinton



FLOYD ANDERSON Insurance Compan-

State agent in Michigan.

The 240 acres of farm land includes time and the Hampshire sheep have made a reputation for themselves by collecting many a blue ribbon at the fairs and sheep shows. Mr. Anderson hasn't had the title of Master Farmer since 1931 for nothing. At one time vator Exchange; Mr. Carmany of the he was president of the Master Farmer's Association

And Mr. Anderson has been ably assisted by a fine wife, who is intercame Mrs. Stuart Openlander of Grand Ledge. Dale is also married.

#### Community Groups Enjoy Programs in Oakland Co.

Oxford-Farm Bureau members in northeast Oakland county have a work in many parts of the state. hear such comment and continue to nominate vice presidents in the time honored manner.

ganizations and Farm Bureau of community group which has been meeting for some months. The Oximmediate effect on the upbuilding ford Elevator sponsored the July meeting in the cafeteria of the Oxford way of Benton Harbor; Paul Begick, high school. Glenn Sherwood and Mr. Bay City; Clarence J. Reid, Avoca; and Mrs. George Buckindail were in Melvin McPherson, Lowell; Charles charge. The August 25 meeting, in Woodruff, Hastings; Alfred George, charge of Harold Doebler and Mr. and Mrs. Lewis Galligan, was to discuss land; Ray Allen, Oxford; Tom Berg-"Consumers Co-operatives". Enter- house, Falmouth. tainment and refreshments are part

#### Lake Orion Group

Lakefield Farms July 30, part of the tive secretary and treasurer. evening was spent in a discussion of the milk problem from the farm viewpoint. Readings and piano music were given by three daughters of the hosts. A co-operative luncheon was served to twenty member's families.

#### Indians and Nets

a monster muskellunge, 56 inches and Sunday over WXYZ and the Mich- sored by the Ford Dealers of Michi- illustrative wonders on metal printing consequent reduction in losses from gone to the junk heap because its shoes were not replaced soon enough.

## FARM BUREAU TO MAKE WAR UPON TWO AMENDMENTS

Safety of Farm Tax Relief Gets Attention at Services Meet

Farmers and managers representing 114 farmer-owned elevators, shipping ass'ns and merchandise ass'n stock-Using the old fable of the mule holders of the Farm Bureau Services gave notice at their annual meeting be out to defeat two proposed amendments to the state constitution this

The amendment to exempt sales of food from the 3 per cent sales tax will be fought on the grounds that the revenue loss may endanger state aid for local schools, including high school Such State aid comes from the sales tax, and there is no guarantee that it may not be lost under such an amend-

The Farm Bureau and the farmers elevators see no good in the amendment proposing to abolish all tax on real estate and to supplant it with a

#### state income tax. It Doesn't Look Good

"Farmers have had important tax relief through highway and school legislation advocated by the Farm Bureau, and through the 15 mill tax limitation law," said R. Wayne Newton, legislative counsel. "This amendment proposes to abolish everything that is working and substitute for it something no one knows anything about. In our opinion no income tax could be collected that would raise what is being collected to carry on local government and schools under the property tax contribution in its present reduced form. There is nothing in the proposed amendment to indicate that it would improve the present situation. By action of the Farm Bureau Services and State Farm Bureau boards of directors, this farm organization in Mich- ganization will oppose both amend-

#### Services Has Good Year

At the business meeting of the Services, Secretary Clark Brody announcfor the past three ed a 13% increase in business over the previous year, and that a stock local agent for the dividend would be paid stockholding elevators on the basis of patronage. The Farm Bureau Services, he said, es for which the Farm Bureau is the does a supplies business of several million dollars annually of Farm One who calls at the Anderson home Bureau seeds, feeds, fertilizers, sprays and insecticides faness, gasoline and oils, paints, fence, For years the American Farm Burtheir own expense that will permit been noted that where there is a drought had turned farmers from feturers Beet Sugar Ass'n sent young great shade-giving trees.

The Services now operates 12 branch elevators and supply stores, including a four story warehouse and store in Lansing. It operates a number of elevators and stores on management con-40 acres of peppermint. The herd of tracts, and distributes Farm Bureau Guernseys is being improved all the products through some 300 farmers elevators, oil companies and stores, including the 114 stockholding ass'ns and branch stores.

#### Cherry Canning Venture Included in the new ventures for

the year was the organization of the Oceana Fruit Growers, Inc., for whom the Services, through its Farm Bureau Fruit Products company canned about 2,700,000 lbs. of cherries at its recently acquired canning plant at Hart. Field men and branch store managers for the Services reported gratifying increases in sales of Farm Bureau supplies in accordance with improvement in farm prices. They observed that increase in Farm Bureau membership around a co-operative elevator brings trade to the co-op and

#### sisting with Farm Bureau membership Directors and Officers

increases sales of Farm Bureau sup-

plies. Co-operative managers are as-

All directors of the Farm Bureau Services were re-elected: J. J. Jak-Buchanan; William Zonnabelt, Hol-

The Directors elected Alfred George of the Buchanan Co-op as president; Ray Allen of the Oxford Co-op Eleva-Lake Orion—When the Lake Orion Berghouse of the Falmouth Co-operator as vice-president. They with Tom Farm Bureau Community Group met tive ass'n constitute the executive committee. Clark L. Brody is execu-

## Reduce Tax on Furs

Michigan farmers who trap will be nterested to learn that the 10 % federal tax on fur garments valued at \$75 retail or more has been reduced to 3%, a matter that should be re-The gill net, by which approximate- flected in an improved price for furs. y 40 per cent of the commercial fish The American Farm Bureau joined eatch is taken annually on the Great with the fur trade and Senator Pope Lakes, is said to have been used by of Idaho in urging the reduction. the nation's fur crop according to Many a spring-tooth harrow has Chester Gray of the Farm Bureau.

75% of the earth's surface is water.

# Broadcast Michigan Farm Markets



THE FARM MARKET REPORTER GROUP AT WXYZ

igan radio network. Harold True, gan.

# Year

Editorial Correspondence

grandparents lived it . .

## The Great Fire in Michigan

September, 1881, was the month of

#### The Death Of Garfield

For several weeks, said Harper's early in September, public apprehenthese types of rural young peoples sion has grown that President Gar- activity: 4-H Clubs, Future Farm- ested in church work and community of Vice President Chester A. Arthur, Community Clubs, young peoples lege, and a daughter who recently bewhom it termed an amiable politician groups in rural churches, and so on. and not fitted for national leadership, emphasized the necessity for taking Brody of the Farm Bureau said to candidate for the vice presidency, women enroiled: rather than presenting it to a defeated

(Continued on page 3.)



Successor to the Michigan Farm Bureau News, founded January 12, 1923

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EINAR UNGREN ..... Editor and Business Manager

Subscription 25 cents per year; 4 years for \$1, in advance.

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in the final balance of time.-TIME.

Old history is in books and new on front pages. Yet neither tells the whole story of a people, a period, a place. Behind the extraordinary news in the papers, the decisive events described by historians, lies a mass of anonymous, miscellaneous human happenings, comprising the routine stuff of daily living. This is private history and, though it rarely gets into public history, it outweighs soldiers and statesmen, battles and booms,

#### Not So Different.

In 1911 we started out on a daily newspaper in Pennsylvania that crusaded for the prohibition of the liquor business . . . In that day many a man never reached home with his pay. The saloonkeeper got it . . . Last month the Michigan Liquor Control Commission ruled that no. liquor distributor except a hotel or a restaurant may cash a pay check Said the Commission: Customers are running up bar bills against pay checks . . . the practice takes money needed for family support in many cases . . . We were told that the liquor business had learned its lesson and would be different this time!

> Before the arrival of children a man is seldom aware of the need of them. Afterward, he can scarcely credit life as holding any interest without them .- Peter Freuchen, Artic explorer.

#### Sweden: The Middle Way

We have been reading Sweden: The Middle Way, a book on consumers and producers co-operative enterprises in the Scandinavian countries. Written by Marquis W. Childs and published by the Yale University Press at \$2.50, it's well worth reading. You can make interesting comparisons with the progress of farmer owned business enterprises in Michigan. Sweden, you know, is considered to enjoy outstanding success with consumers co-operative stores and manufacturing plants; Denmark has a world reputation for the prosperity that its farmers co-operative processing, marketing and purchasing organizations have brought to those on the land, and to the nation as a whole.

Sweden and Denmark, by the way, are nations comparable in size and population with the state of Michigan. Sweden has about three times the land area of Michigan, but half of it is in forests. Her population exceeds that of Michigan by about one-third. About 100,000 farmers belong to her consumers co-operatives.

Denmark has about one-third the land area of Michigan. Her population is three-quarters that of Michigan. In all Denmark there are 210,000 farms, in Michigan 196,000 farms. In Denmark 45,000 farms range from one to nine acres. Nineteen out of every 21 Danish farmers belong to a dairy, egg or bacon processing and marketing co-operative.

In Sweden the consumers Co-operative Union has grown into big business retailing, perhaps like the A. & P. stores in America. They manufacture and market flour, bread, shoes, rubber footwear, electric light bulbs, process meats and do many other things. They operate hundreds of modern stores. Of every 100 members 15 are farmers; others are city residents. Consumers become members by subscribing for a share of the co-operative's capital stock. The object is quality goods at fair prices. Members get patronage dividends, usually about Non-members may apply patronage dividend credits toward a membership; if they don't the money goes into the co-op's reserve fund. In Sweden consumers co-operatives pay little attention to legislative

In Michigan, we see the Farm Bureau co-operative returning its members about 2% on their purchases of Farm Bureau goods. It emphasizes legislative programs in highway, school and other tax fields. These Farm Bureau programs are conservatively estimated to have taken \$25,000,000 of annual tax burden away from farm property and spread it over other forms of wealth. The farmer pays his and other taxes, of course, but all he has to do is to look at his annual property tax statement for the past few years to determine the benefit from a farm organization being interested in legislation.

Co-operation in Denmark, Mr. Child's book points out, is educational, processing, marketing and purchasing co-operation by farmers. Education and co-operative effort are the two great forces that have raised Denmark from a feeble to a prosperous agricultural nation. It's a brave story. Mr. Childs does it full justice.

When America began to rule the world wheat markets in the seventies, the Danes were obliged to revise their entire farm program. They turned to dairy products, eggs and bacon for export, and to cooperative management. Consider that a nation a third the size of Michigan has become a major influence on the world butter market! It produces one-third of the butter sold in world markets. Nineteen out of every 21 farms hold membership in a dairy co-operative. In that tight little nation are 21 important agricultural schools. There are 60 schools providing adults with seven winter months instruction in agriculture, co-operative business and cultural subjects. Over a third of the adult farm population has attended these schools. The co-operatives have extended their successes into other important fields, as Mr. Childs sets forth in his book.

Perhaps a main factor in the success of the Swedes and the Danes has been in their determination that once having founded a business of their own, they stand by it and recognize attacks and the concessions made by their competition as a measure of their success.

That man is the most original who is able to adapt from the greatest number of sources.-Carlyle.

## Ioway Needn't Brag **About Oats**

Editorial Correspondence

Mr. Editor:

Just a few lines to suggest that you August 10, 1936. and Openlander and Yaeger-who thing to quiet your nerves and then make a trip down into Monroe county at Chicago Sept. 12 to 20 arched up across the lip, dipped, then up to the other ear . . Even snores

about. Earl Stowell had some seed operation with a large number of on himself . . . a number of years ago oats from Sweden, and they averaged horticultural organizations.

spots and all . . . and they weigh frost as well as for floral arrange- she called to the barn she couldn't tell about 35 lbs. Wheat went about 30 ments. Competition will be open to whether it was Fred or the dog lookto 35 bushels around here . . . some everyone, and premium lists will soon ing out the door . . . so much conwent over 40 bushels. Folks are wear- be ready for distribution, its spon- fusion resulted that Fred had to get

ing a grin that don't come off.

we worked several times as long to those beard patterns all had names save a wet crop.

but it could be much worse. Mrs. Edith M. Wagar.

Carleton, Michigan

# went to Iowa-had better take some- International Hort Show ran from the ear toward the chin,

We have heard of some larger the Chicago Stock Yards. The Ex- brake expiration type . . . and the yields, like 107 and 110 and 117 position will be conducted under abrupt crescendo inhalation with a bushels, but that's only hearsay, the sponsorship of the Union Stock
Those I mentioned above, we know Yard and Transit Company in coMr. Ottmar tells this whisker story

sors state. Entry blanks may be rid of the dog. They timed the threshing at our obtained by addressing the Interna-



## A Curtain Lecture

I hadn't done much at the picnic That seemed so disgraceful to me, But, driving toward home about sundown, She lectured me thusly; said She:

"Hiram Granger, I'm disgusted at the way you went and did; Right before a hundred people, cutting didoes like a kid!
Folks that knew your Dad before you, and have known you all your life, Friends and neighbors and relations; everybody and his wife-

Yaas, that's what you said last summer; that it's only once a year, But once is twice too often for such fooling . . . do you hear? Maybe this Old Settlers' Picnic was invented so that you Could just make yourself redic'lus with the crazy stunts you do.

Maybe sober folks, at your age, should be out a-playing ball, But you'll be so sore tomorrow night that you can scarcely crawl. Maybe they should run a foot race with some other ancient crones And then fall down and bark their shins or break a couple bones.

Maybe they should go in swimming with a mess of younger fry And splash and 'rasle with the girls. And maybe they should try To stay in under water till their wife is scared and pale, And then come up a-grinning and a-blowing like a whale.

You don't see me pitch horse shoes till my right arm is a wreck, Nor I don't cram four dishes of ice cream down my neck. may not be athletic, and of course I'm just your wife, But I have a speck of common sense at this late time of life.

Seems like you can't remember that you're older than you was; And your mind grows feeble faster than your poor old body does; So when next picnic time arrives I tell you what I'll do, I'll hire a trusty keeper just to keep an eye on you!



## Another Centennial Year

Editorial Correspondence

(Continued from Page 1.) + plates . . . but, back to September,

He Knew Where He Stood

ple, as always . . . General Leslie light. Coombs of Lexington, Kentucky, died In September of 1881 it was decided Show Erosion Control regular old-line Henry Clay whig in upon occasion. politics, and a St. John-in-the-wilderness, milk-and-honey, ironsides Bap-

ng to literary critics . . . His verses factured them since 1859. the Hills to the Poorhouse" and other foreign substance!

When Betsy and I Were Out." that Harper's was then a strong in 15 styles. cartoon thereafter.

There Were Styles in Beards

.. most men shown in Harper's wore the title was pure inspiration. one or the other . . . Mr. Ottmar and Newspapers like the Chicago Inter- 1935. and histories . . . for example; We DO need rain . . . corn cannot Vandyke a trimmed pointed beard be 100% crop with so little moisture, such as those often seen in portraits painted by Van Dyke, the Flemish artist, who died in England in 1641; Burnside whiskers took their name from a Civil war general who wore a narrow strip of beard that and see a real erop of eats.

We have a neighbor whose eats
averaged 90 bushels per acre. One
averaged 90 bushels per acre. One
field yielded 101 bushels per acre.

The first International Horticulmay be classified . . . such as the
standard Pullman type . . . the Grand
Diapasion or distant thunder type . . .

Diapasion or distant thunder type . . .

The first International Horticulare a registered herd now. Dairy farmers,
use a Hereford bull and get real versus.

Don't raise scrubs. A. M. Todd Co. (14
miles northwest of Kalamazoo) Mentha,
may be classified . . . such as the
bulls and heifers. Best blood lines. Start
are a registered herd now. Dairy farmers,
use a Hereford bull and get real versus.

The first International Horticulare in the control of the control of the reversity of the control of

oats from Sweden, and they averaged over 100 bushels per acre.

The Wagar farm had an average oat yield of 77 bushels per acre. . . . sand specific sand all and they weigh specific sand all and they were sand all and they weigh specific sand all and they weigh specific sand all and the specific sand all and the specific sand all and the specific sand all and th

They Were Post War Days

were in the late thirties and early forties . . . at Chattanooga, Tenn., Union and Confederate veterans of Chickanaura Tennan of Chickanaura Tennan of the confederate veterans of the confederate vet sionary Ridge, and Signal Mountain met in a great and fraternal reunion. We are sure we are . . . bat are met in a great and fraternal reunion.

at 92 . . . A veteran of the war of to dismantle the frigate Constitution 1812 and an Indian fighter, his life . . . Old Ironsides . . . and lay her up was once spared by Tecumseh, who in Brooklyn yard . . . to sail no more. stopped a tomahawking . . . To a However, in later years Old Ironsides newspaper editor General Coombs was rescued by the pennies of school the State Department of Agriculture ers. Cardinal Gibbons,

In the Market Place

tist in religion; none of your sprinkled and design of the modern hot air fellows, but a regular dipped-in-the-furnace? . . . almost the exact design the program said Mr. Se

ishing department advertised his somewhat yellow in color in 1881 . . . land use with due consideration for Farm Festivals and Farm Ballads and a refiner advertised that some were the types of soils, and finally a comother books to half a million readers whitening sugar by adulteration with plete balancing of the entire farm to . Carleton, in Monroe county, Mich- corn sugar glucose . . . but his refined assure the farmer that the new progan is named for him . . . perhaps cane sugar contained neither glucose, gram is sound from the standpoint his best remembered poems are "Over muriate of tin, muriatic acid, or any of economy of operation, labor use,

Tom Nast, forerunner of all great in 1936 . . . but in September, 1881, Demonstrations are in progress on political cartoonists, must have been they were still new and fashionable 34 farms. About 75% of the county powerful force in Harper's . . . As . . . and high wheelers . . . "on which has been mapped to show the soil this is written in came G. F. Ottmar, one can ride three miles as easily as types and conditions prevailing. of St. Johns, Clinton county, long walk one" . . . Something else you time Farm Bureau member, and saw can't buy any more is a contraption Lake Fish Bite Best in what we were doing . . . He recalled known as the parlor folding bed . .

Democratic magazine and that once it By the way . . . spring roller window hired a brilliant Republican cartoon- shades were new in 1881 . . . they ist from a rival publication, and never were advertised as "without strings there's just no use going fishing, permitted him to draw a political or balances" . . . perhaps you have many old-timers declare. It's seen the old variety that had a cord tradition of the angling sport and at the side to roll them up or down. seems to be borne out to a certain ex-Beards in many styles were the Congress Water was laxative . . . tent by the data obtained from 3,594 thing in 1881 . . . so were mustaches quite possibly the Congress part of fishermen on Fife lake in Grand

help to do the threshing, but what a I counted five styles of beard and two Ocean, the New York Sun and the Fish, in general, were best caught was done only once, while last year naming those we saw . . . No doubt, daily edition of 28 columns at \$6.50 in the reports.

cartoons, and there was plenty of reference to the war records of public or laboratory characters do tub thumpmen . . . . the men and women of that ing in favor of this or that paste day were not as far removed from the powder, soap or lotion which is the close of the Civil War as we are from road to health, popularity, success or the World War . . . Civil war veterans Chickamauga, Lookout Mountain, Mis- tioned \$50 or \$75.

The electric light was only two public than we were in September of years old and still quite a curiosity, 1881? . . . Have advertisers learned judging from the articles written on the subject . . . explaining the new humbug? . . . It's a term that has may better make up his mind at the People were interested in other peo- carbon filament style of incandescent sort of gone out of general use.

# Methods in Berrien Co.

per year by mail. The weekly Sun inluded in eight pages "an agricultural

epartment and a liberal proportion

Royal Baking Powder, the Dutch

Hirl of Baker's Breakfast Cocoa; Lea & Perrin's bottle of Worcestshire

sauce; Castoria, and Hires Root Beer. And There Was Quackery

There was quackery in advertising

n September of 1881 . . . electric

belts, plasters, garters and brushes

were advertised as cure-alls . . . We

quote from the advertisement of Dr.

Scott's pure bristle electric hair brush

"The brush is warranted to relieve

nervous headache in 5 minutes; bil-

ious headache in 5 minutes; neuralgia

in 5 minutes; to prevent falling hair

and baldness; cure dandruff; arrest

premature grayness; make the hair

grow long and glossy; soothes the

weary brain. When used as a flesh

brush it cures rheumatism . . . The

proprietors of this paper will not

ues in smoking toasted cigarettes . . .

hours would convince us that coffee

shekels in tourist trailers and enjoy

freedom . . . (never mind the mort-

gage at home) . . . in other advertise-

what have you . . . even the great

must be dated to be fit to drink . .

f literary and scientific intelligence." Advertisements of 1881 that looked xactly the same in type and illustra-

ion as they do in 1936:

at \$3.00:

hey come from."

once said: "I was and still am a children and still floats... and sails is co-operating with Berrien County Farmers in a series of demonstrations to promote a complete soil ero-How old do you suppose is the idea sion control program in that county. The work is being done under the

of today's modern furnace for resi-includes measures for control of gul-The program, said Mr. Sackrider, Will Carleton, famed Michigan poet, dence heating was shown in a Sep-was the the height of his career as tember, 1881, advertisement, with the trol sheet and wind erosion, as plan-"distinctly a poet of farm life" accord- notation that the company had manu- ned by experienced crop and fruit men; proper treatment by foresters appeared in Harper's; its book pub- Pure cane sugar was likely to be for retired submarginal land; correct capital use, feed production, and

Bicycles are back in a large way from the standpoint of net income.

# Mild, Clear Weather

joy this year! A good crop, good of mustache among eight men in one New York Times and others sought on this lake when the weather was threshing weather and a good price! picture . . . Mr. Ottmar once wore a national subscription lists for their mild, when there was a light wind Harvest moved along so smoothly, fine Vandyke beard . . . but he couldn't daily and weekly editions. The daily and when the sky was clear. These Of course, it was HOT, but the work get beyond Vandyke and Burnside in New York Sun offered a four page three factors seemed to predominate

## Classified Ads

Classified advertisements are cash with order at the following rates: 4 cents per word for one edition. Ads to appear in two or more editions take the rate of 3 cents per word per edition.

#### LIVE STOCK

REGISTERED HEREFORD CATTLE,

FOR SALE-25 SELECTED YEAR-ling and two year old registered Shrop-shire Rams, also a few choice yearling ewes, reasonably priced. Jesse Hewens, Ypsllanti, R-1, Michigan. (9-5-24)

#### WANTED TO RENT FARM

MARRIED MAN, 36, WITH FAMILY ants to rent or manage furnished farm, will work by month. Now employed on rm. Write W. E. J., care of Michigan Irm. News, 221 No. Cedar St., Lansing, ich. (9-5-1t)

### FARM HELP WANTED

WANTED-MARRIED MAN TO WORK place and 7 bashels per minute came tional Horticultural Exposition at the through the bagger. It took a lot of Chicago Stock yards.

In September, 1881, the Civil war on farm, Milk seven cows. Give refer-forage cap appeared in the political ence. Box 300, R-1, Marshall, Michigan. (9-51t-17p)

#### FOR SALE-MISCELLANEOUS

MICHIGAN SEPTIC TANK SIPHON stall when tank is built. Installation and operation simple. Discharges automatically. Have been sold 16 years. All in daily use and giving satisfaction, Instructions with each siphon. Price, delivered, \$7.21 which includes sales tax. Farm Bureau Supply, 728 E. Shiawassee St., Lansing. (3-4-tf,69b)

#### FARM WORK WANTED

YOUNG MAN, 17, WANTS FARM work by month. Familiar with tractor, binder, etc. Worked 1½ years at last place. Raymond Wisner, Lansing, R-2, Box 214, Michigan (9-5-1t)

#### FARM PROPERTY

FOR SALE-105 ACRES DAIRY FARM Road, equipped—term Kent City, Michigan.

## Why He Smiled



VERN VANIMAN

knowingly publish any humbug. They are exceptionally careful about the class of advertisements, and whom dent, his favorite expression was complained that it might drain the We smile at such humbug; we by a broad, toothsome smile that was fearful that their lands would be snort at the credulity of the public of cartooned the world over.

1881, and the complacent advertising This fellow Vaniman can act the policy of the magazine . . . nothing same way, and he did it at Ionia Free like that in our time! . . . Still by Fair's Farm Bureau-Grange program radio we are sold on goofy water Friday, August 21.

crystals from the Southwest as a cure-all . . . by radio, magazine and on the recent work of the Farm Bureau ed of men from the state highway, newspaper advertising our modern and the Grange in national affairs, and conservation, health, and agriculturpublic is taught imaginary health val- the opportunities ahead for an organ- al departments. They recommended ized agriculture, seven County Farm unanimously to Washington that the black face comedians bring millions Bureaus surprised him with a formal work should proceed, providing that of us to their broadcast to be told the presentation of 457 new Farm Bureau precautions are taken to protect healthfulness of sousing our tonsils memberships which they had secured Round lake water level and to avoid with an aromatic water . . . amateur during the week preceding the fair.

eau and Grange folk in the grandwe are importuned successfully stand, seven leaders in the County through advertisements to invest our Farm Bureau membership groups marched up to the microphone and presented Mr. Vaniman with gift boxes out the river to provide high banks ments white coated, medical, dental containing these new and paid-up below the lake.

au membe	rships:
NUMBER 76 40 46 25 123 88 59	MAKING TH PRESENTATI Floyd Ander Ernest Wor Clyde Doo J. F. Yae Mark Westbr Marjorie Kar Jerry Hube
457	
	NUMBER 76 40 46 25 123 88 59

#### No Office Hours For Leaders

The higher men climb, the longer their working day. And any young beginning that mediocrity will be his Without immense, sustained effort, he will not climb high. And even though fortune or chance were to lift him high, he would not stay there. For to keep at the top is harder almost than to get there, The Soil Conservation Service of There are no office hours for lead-

## TO RESUME WORK ON LOOKING GLASS

Drainage Project is Revived Upon Recommendation of State Group

The crackling controversy about cleaning out the drainage system of the Looking Glass river apparently has come to an amicable end. The U. S. Dep't of Agriculture at Washington has notified the Michigan WPA authorities that they may resume the work which was stopped last winter.

The Looking Glass river system drains an area affecting 1,200 farms and the Round lake summer resort property, not far from Lansing. The farmers affected are in Ingham, Clinton, Shiawassee and Liveingston counties.

The cleaning out of the river, which was being done under a federal grant of money, was stopped Years ago when "T. R." was presi- when Round lake property owners "Dee-lighted!" It was accompanied lake too much. Farmers below were flooded every spring. Numerous interests took sides in the matter.

The State Planning Commission then appointed a special drainage committee to investigate the entire project. Committee Chairman M. B. At the conclusion of his address up- McPherson headed a group composmaking any flood conditions below Before several thousand Farm Bur- Round lake. To this end, they adopted the survey of O. R. Robey, State College drain engineer, which provides for cleaning out the river above Round lake, for cleaning out the brush at the lake, and to clean

Generally speaking, the river will not be deepened as much as by previous drainage operations. Essentially, the job is to restore the system vns to its effectivenes, and enable farmers to get on their lands earlier in the spring. In Shiawassee county numerous dams will be built in the laterals to control water levels. The WPA is said to make a neat job of smoothing the river banks wherever work is done.

In the early 1920's the river was surveyed for such a clean out. The work promised such a tax load that it was postponed. Now farmers will have no expense to pay. The WPA will put probably \$100,000 into the

The human ear cannot hear sounds of less than 30 or more than 40,000 vibrations a second. What goes on above or below these limits?

# "I'd Like to Buy a Telephone Call"

When you call a telephone number on the other side of town you are making an important purchase. You say in effect:

"Give me the use of miles of wire, of cables under the street, a section of switchboard and all the other equipment needed in the central office. I shall need one kind of current to carry my voice and another to ring the bells that signal the other party. I may need the services of an operator or two. I want all your equipment to be in perfect working order so that my call shall be clear and shall go through without interruption. I would like this all arranged to connect me with my party instantly-and at a cost of a few cents."

Telephone people are asked to do this millions of times a day and find nothing unusual in the request. But to do it at the price you pay for telephone service-in fact, to do it at all-has taken the most skillful and unremitting research, engineering and organization.

Telephone service in the United States is, and has been for years, the most efficient, dependable and economical in the world.



Reduced rates are now in effect to most places on both station-tostation and person-to-person calls every night after seven and any time Sunday.

## 51 YRS. AGO ONLY **CURE WAS FOUND** FOR TUBERCULOSIS

Regime of Rest, Good Food. Fresh Air, Cut Death Rate 5 Times

Fifty-one years ago last May an unattractive little red building with one room was perched on a hillside overlooking the Saranac River on the outskirts of what is now the village of Saranac Lake. To this cottage came two working girls, the first of a long line of thousands of tuberculosis patients who have been treated for tuberculosis at the now world famous Trudeau Sanatorium.

Dr. Edward Livingston Trudeau, himself a victim of tuberculosis, practiced the cure of this disease in his own life. From his own experience and that of a few other men, particularly two prominent German physicians, Brehmer and Dettweiler, he developed a regimen of living which has become the standard cure for tuberculosis. Out of that little red cottage have gone influences and technique that have revolutionized the health of the United States.

When that cottage was first opened in 1885 nearly 300 people out of every 100,000 were dying of tuberculosis. Today less than 60 people out of every 100,000 are dying from this disease in the United States. The cure for tuberculosis that Trudeau developed, and which has been perfected along the lines that he started, is simply a way of living that comprises three essentials: rest in large doses, fresh air, and good food. After fifty years we still cure tuberculosis with the same

The National Tuberculosis Association has in its files records of more than 1,000 different kinds of "cures"

sationa,

OF HIGHEST

QUALITY

National Carbide

Corporation

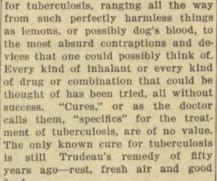
Lincoln Bldg. New York

## Farm Bureau Special Stops Part of Day at Boulder Dam



up the Farm Bureau Special.







#### the most absurd contraptions and devices that one could possibly think of. Every kind of inhalant or every kind Guides Will Take Party Over drug or combination that could be ought of has been tried, all without success. "Cures," or as the doctor calls them, "specifics" for the treat-

trip to California.

# Livestock Feeders!

Interest rate and when finished SOLD at the highest market value.

The Michigan Live Stock exchange through its NATIONAL connections can furnish at cost plus a reasonable handling charge, all grades of feeding lambs, cattle and calves. A large assortment at our Daily Markets is now kept on hand at St. Johns and Battle Creek at all times. 5% FINANCING

5% MONEY is available for the feeding operations of all worthy feeders who have feed, regardless of where they purchase their feeders. SELLING

Our new enlarged complete Selling Service now consists of not only Commission Sales Agencies on Detroit and Buffalo terminal markets, but dally market at St. Johns, and Battle Creek where all species of live stock are purchased each day and moved direct to the packers or the public market. All grades of dairy cows bought and sold at Battle Creek.

#### For complete information phone or write Michigan Live Stock Exchange

Dally Markets

Terminal Markets St. Johns & Battle Creek Detroit, & Producers Co-op at Buffale. N. Y. Listen to the Farm Market Reporter, sponsored by the Ford Dealers of Michigan via Station WXYZ and Michigan Radio Network, Mon., Tues., Wed., Thurs., Fri. at 12:15 p. m.



This threat is heard not long after strangers-or even neighbors-get tangled with each other in an automobile accident. There's more or less damage to be paid for.

It sounds bad-and it is bad. If suit is started and you have no insurance, you have to hire a lawyer, and perhaps pay both damages and costs after all. Win or lose, it's hard on you.

Isn't it a good idea to carry an automobile insurance that will stand all legal expense and assume the loss, according to the policy, in case you SHOULD have an accident? The semiannual expense of such protection in the State Farm Mutual Automobile Insurance Company is very reasonable.

We have more than 500,000 policyholders and 7,000 agents In 3b states in this national Legal Reserve Company Let our local agent explain our policy to you.

#### STATE FARM MUTUAL AUTO INS. CO.

Bloomington, Illinois

MICHIGAN STATE FARM BUREAU, State Agent, Lansing

## for tuberculosis, ranging all the way from such perfectly harmless things Farm Bureau Group to Visit **Boulder Dam and Canyon**

Desert Country Next

Angeles at 9:45 P. M., Saturday, Dec-

San Francisco

The main party will reach Oakland

Great Engineering Job Of the Age

Editor's Note—December 1, Farm Bureau members from many states will leave Chicago by special train for the American Farm Bureau convention at Pasadena, Cal., Dec. 7-8-9-10-11. The Michigan Farm Bureau has an all expense tour by way of Denver, the Royal Gorge and Boulder Dam, and to return by way of the Grand Canyon and New Orleans. The Michigan group will get home about ints of interest as far as Salt Lake

Leaving Salt Lake City at 8:00 in he evening on the Union Pacific, the Jtah's favored irrigation farming districts are traversed, as well as some sheep and cattle are grazed. Sun-up Vegas, heading southwestward, it is is not common in India. in Nevada, and at 7:30 A. M., after soon traveling over the California des- No white man drinks liquor or pulls into Las Vegas, New Mexico. peculiar water plants of the desert, of any kind when the sun is up. At his is one of the last typical frontier are seen and west of Kelso is the towns, but is rapidly becoming moder- Devil's Playground and the entrance learned to live in India. nized and commercialized. Power and to Death Valley. On the north is the people are making this transforma- Mohave Desert and to the south of when the Indian sun is at work. Mr tion. As many people are now stopping off at LasVegas as visit some of our well known national parks. Boulder Dam and the scenic wonders adjacent are open the year around.

Monave Desert and to the south of the finding shifts at work. Mr. Urquhart said that the crowds in the Michigan beer halls, trying to cool off by taking on generous cargoes of those disappearing rivers of the desert country. sert country. jacent are open the year around.

Large, comfortable buses will trans- A short stop at Barstow, changing Water and slight doses of salt are port all of us over the 20-mile trip to here to the Santa Fe rails, and the the white man's beverage in India. Boulder City, the Government head- special train moves on across the Mo- Hot tea is also another drink that is quarters town. Here will be seen have desert, now traveling northwest popular, as are luncheons of hot soup what can be accomplished in the build- through Tehachapi Pass into the great and salad. ing of an attractive city when life inland valley of California. Only giving water, electric power and man's those who must proceed directly to ingenuity and energies are applied to Pasadena will continue on the regular train from Barstow, arriving in Los

a sun-baked desert site. Boulder Dam Wonders

Five miles from Boulder City is the ember. 5th. great dam and power plant where more electrical energy will be created from the weight of falling waters than at 8:30 A. M., Sunday, taking the Bay man can quite comprehend. The visitors will be provided with special guides, and, after crossing the top of the dam, will descend in elevators inside the structure to a point on a level with the river bed. Here, the giant turbines and generators will be seen and the great conduits, 30 feet in diameter, on each side of the river, that carry the water to the turbines and to the spillways beyond. Then, ascending in the elevators from floor to floor, inside the dam, the control rooms, the tremendous storage battery rooms, the transformer rooms and the offices are visited. A great labyrinth of seeming-

#### California Tour

Organization Dep't Michigan State Farm Bureau

Lansing, Michigan Date ... I am interested in a Farm Bureau tour to the American Farm Bureau convention at Pasadena, California in December of 1936. Please send me additional information as available on the trip and the convention. No obligation, of course.

Name ..... P. O. .... RFD. State .....

The Farm Bureau tour to California and return by way of New Orleans in early December is open to Farm Bureau members and their friends, but all reservations for Michigan must be made through the Michigan State Farm Bureau. The same rule applies to other states and their Farm Bureaus.

ferry across to San Francisco and viewing on the way the construction of the two giant bridges that will soon put the gliding ferry boats in the discard. A tour of San Francisco, the Presidio, Seal Beach, the city parks, Nob Hill, Twin Peaks and Dolores Mission, will prove to be a most ineresting morning. In the afternoon little tour to Sausalito, by ferry, in Marin county, and Muir Woods-the giant California Redwood trees-will wind up a delightful day in the San Francisco region. Most folks will also wish to visit Chinatown immediately after the evening meal, going from there to the depot. The train will eave over the Southern Pacific Lines t 9:00 P. M.

#### Grand Canyon

Monday morning at daylight the rain will be following the beautiful Pacific ocean. For nearly 130 miles he ocean will be in full view. This vill be one the scenic treats of a tour full of sightseeing pleasures. Arrivil at Pasadena, at 11 o'clock, Monday norning, and attendance at the session of the A. F. B. F. convention, together with interesting side trips and visits, will occupy all for several days. At 12:45 P. M. on Saturday, the special train will leave via the Santa Fe for a journey across Southern California and into Arizona. The following morning that stupendous spectaclethe Grand Canyon of the Coloradowill be viewed. This description of the points of interest to be visited will be continued in the October edition .- A.

#### Our July Hot Spell Like Bombay, India, Winter

Our early July was, according to Gordon Urquhart, of Lansing, merely like a typical winter in Bombay, India. Mr. Urquhart, spent three years in India as superintendent of a body works operated by the General Motors corporation in Bombay.

Day after day, said Mr. Urquhart to the Lansing State Journal the Indian sun does its best to wilt man and beast. And night after night there is no respite as the nights are some relief when the sun finally comly impossible construction and achieve- pletes the day's work, but the sun's ment is to be viewed in amazement, influence is sustained all through the There is nothing like it in the world. night, neither houses nor beds cool

To put the cap-sheaf on the day, the off. buses take the party to the Lake Mead boat dock, here to embark upon a trip down through the rock-ribbed Black becomes innured to the heat and down through the rock-ribbed Black withstands it in time as readily as Canyon to the very face of the dam. does the native Hindu. But many a Some have described this boat trip as white man or woman can't get accusa scenic feast. Lake Mead is now the tomed to the intensity of the sun and largest man-made lake in the world, the night and day temperatures in When filled, it will extend for 113 which there is little variation. Bedmiles up the Colorado River and its rooms at 108 degrees temperature tributaries. It will provide light, heat are the "cooling spots" where they and power for millions of people and rest.

industries in the southwest Pacific Salt tablets now being used by em-Farm Bureau special will head south- area, and when needed, irrigation ployes of Lansing factories were vest. During the night, some of water for many thousand acres of fer- common heat exhaustion preventatives when Mr. Urouhart was in India. The only difference was that the salt was taken in small lumps and of the great semi-desert areas where At 12:15 the special train leaves Las washed down with water. Ice water

breakfast on the dining cars, the train ert country. Joshua trees, the beer or takes any alcoholic beverage

HARRY D. GATES CO.

Wholesale HAY Shippers Always in the Market

JACKSON, MICH.

FARMERS!

Insure in Michigan's Largest Farm Mutual Fire Insurance Company

Assets and resources nearly \$300,000 over half of which is in cash, Government Bonds and Bonds guaranteed by the U. S. Government, Have paid farmers in Michigan over \$5,182,782.00 in losses since organization. Losses satisfactorily adjusted and promptly paid. Blanket policy on farm personal which often pays double a classified policy. Credits in assessments allowed for approved fire extinguishers, fire resisting roof on dwellings and lightning rods. Assessment as low as \$2.94 per \$1009. Careful underwriting and systematic inspection reducing overinsurance and eliminating undesirable risks and fire hazards.

DON'T JUST BUY INSURANCE—BUY PROTECTION. For further information write Home Office,

State Mutual Fire Insurance Co. of Michigan W. V. Burras, Pres. 702 Church St., Flint, Mich. H. K. Fisk, Sec'y

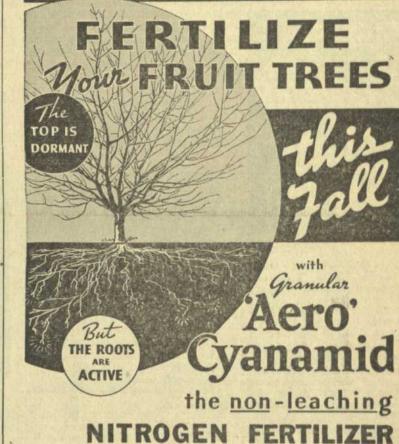


## Protected by a new kind of zinc coating

A newly perfected electrolytic process known as Bethanizing applies a zinc coating to Bethanized Farm Bureau Fence that in its entire thickness is 99.99 per cent pure zinc, the purest ever applied to wire. Free from the embrittling, rust-inviting iron contamination and other impurities unavoidable in older zinc coating processes, the Bethanized coating has remarkably high resistance to the weather. tected, money-saving fence.

It is also so ductile and tightly bonded to the steel base that there is no loss of protective value from the wrapping at the joints in weaving. Furthermore, it is heavier in weight than other farm fence coatings. Yet Bethanized Farm Bureau Fence costs no more. While bringing greater value and longer fence life, it sells for usual fence prices. Ask to see this new, better pro-

FARM BUREAU SERVICES, Inc., Lansing, Mich.



Get the job out of the way of Spring work

Ask your local dealer for Leaflet - F-142 or write AMERICAN CYANAMID COMPANY

'Aero' Cyanamid is Nitrogen plus Lime

# Use Farm Bureau Fertilizers This Fall

More Plant Food .. Drill Perfectly .. Priced Right

TABLE 1. Fertilizers Recommended per Acre for Wheat or Rye Grown on Sandy Soils

needing lime: low in organic matter and low in Crop

Without seeding of alfalfa or clover

Wheat or Rye

Seeded to alfalfa or clover

productivity. Where recently few or no legumes have been grown and limited amount of manure has been applied. 4-16-8 200-300 lbs, per Acre

Seeding not recommended

Group 1 Soils suitable for agriculture; not

Group 2 Soils not needing lime; medium to high in organic matter and medium in productivity. Where legumes and barn yard manure have been used systematically in the rotation for a number of years.

200-300 lbs. per Acre 250-350 lbs.

TABLE 2. Fertilizers Recommended per Acre for Wheat or Rye Grown on Loam Soils

falfa has not been grown and falfa has been grown or where falfa has been grown and where Crop where manure has not been applied manure has been applied in the manure has been applied in the in the rotation. rotation. 0-20-0 4-16-4 or 0-20-0 Without seedings of clover or alfalfa To Grain alone, apply 200-250 lbs. per acre with the seed. If clover or alfalfa is to be seeded, increase to 300 lbs. per acre. Wheat or Rye 2-14-4 or 0-20-0 Seeded to clover or alfalfa | 2-12-6 or 4-16-4

Group 1 Where clover or al- Group 2 Where clover or al- Group 3 Where clover or al-

Ask Your Farm Bureau Dealer for These and Other Farm Bureau Analyses Suited to Your Territory

#### 184 Coyotes

The best kill of coyotes this year was made by bounty hunters during July when 184 coyote pelts were certified for bounty payments. This number consisted of 104 male coyotes, 59 female coyotes and 21 coyote pups, conservation authorities rewas 162 coyotes made in January. The bounty kill during July included also 68 bobcats and three wolves. The predatory kill for the month was 255 animals.



FARM BUREAU SERVICES 221 N. Cedar St., Lansing

#### WEEDS

By Complete Penetration

#### with ATLACIDE

the chlorate weed killer, used as a spray. Kills leaves, stems, complete toot systems of weeds. Used by U. S. Gov't and Agr'l Exp. Stations. Mil-llous of pounds sold to kill:

Canada Thistle Bind Weed Bind Weed Poison Ivy
Willows Brush
White Top
Wild Oat Grass Other Weeds

Atlacide is safe to use when applied in weed killing solutions as recommended. Non-poisonous to live stock. Treat weeds this summer. They won't come back next spring. Our circular contains full directions and weed spray churt. Cost per weed patch is low. Atlacide is packed in 5, 15, 50, 100 and 200 lb. drums. See your Farm Bureau dealer. Soil building benefits can be carned by weed killing, under Soil Conservation Act.



You do just one thing - treat your seed with New Improved CERESAN — and this effective dust disinfectant does four! Checks seed rotting, reduces seedling blight, controls stinking smut and improves and often increases your wheat yield—at a cost of less than 3¢ an acre!

The U.S. Dept. of Agriculture, along with many Experiment Station authorities, recommends this treatment. It is a Porcupines Are, Climbers; protection against seed-borne stinking smut — a way to better yields. Even on clean seed the average increase has been 1.13 bushels an acre.

Easier to apply. One-half ounce per bushel—costs only 2 cents. No drill damage. Controls covered smut and stripe of BARLEY, and smuts of OATS often increasing stands and yields.

FARM BUREAU SERVICES, Inc. 221 N. Cedar

## **LEWIS CASS ONE** OF STATE'S MOST **DISTINGUISHED MEN**

The highest previous take le Served Nation Under Seven Presidents; Held High National Offices

> Although Lewis Cass was the outstanding individual in the administration of affairs in Territorial Michigan and played no small part in the making of United States history, the Michigan State Library has only one original manuscript in its files dealing with the public career of the man whose far-sighted policies gave birth to many of the state's finest institu-

> This document is the certificate of his appointment to his fifth term as Governor of Michigan Territory, a post he held for nearly 18 years. It was purchased a few years ago for \$7.50 from a curio dealer in the east and is now safely stored away in the State Library vault.

and Henry Clay, who was Secretary State to call on Farm Bureau ma- of the places he has been with that census, would amount to about \$40.18 of State at the time it was written. chinery dealers, and to demonstrate tractor: 22, 1825, President Adams wrote that didn't come home again until Sat- Paw Paw, Lawrence, Hartford, Eau amount collected, that's another way ability of Lewis Cass," who he named though it can do more. for a term of three years.

three different Presidents. He was brake pedal is much the same. Starter Ithaca, Mt. Pleasant, Barryton, Big the net costs of prisons, State hospifirst chosen on Oct. 29, 1813, by Presi- pedal, horn and driving lights make Rapids, Stanwood, White Cloud, Fretals; for 30 million or more of highdent James Madison and reappointed it as easy to handle as a truck. In mont, Brunswick, Shelby, Hart, Scott- way moneys returned to the counties; testing associations . . . The State by the same executive in 1817. He was fact, the machine is intended to serve ville. dent James Monroe and was named trailers on the highway, and to be legan. He was just rearin' back to districts under the new State aid law. most part was brought in from the for two more terms by President John able to go from place to place to work, take off for Hamilton. Quincy Adams.

In 1831 he resigned to become five years when he retired from the Cabinet to become United States envoy to France. He served in this Buren and John Tyler, returning to the United States in 1842. Three ears later he became United States Senator from Michigan but resigned his seat in Congress to accept the Democratic nomination for President in 1848.

Defeated by Zachary Taylor for the Presidency he was again elected to he Senate from Michigan in 1849 and 1851, He closed his long public career by serving three years as Secretary of State in the Cabinet of President

James Buchanan. Yet this distinguished career is represented by only one original manuscript in the state library, the official depository for the people of the state. Inasmuch as Lewis Cass was one of the most distinguished figures ever produced by Michigan and laid the foundation for the state's admission to the Union, the State Library is anxious to procure more original documents relating to the career of the who was chosen to fill high of fices by no less than seven Presidents

## Chew Insulators off Poles

## Travels the State on Co-op Tractor



CALLED UPON FARMERS IN 21 COUNTIES

Last month on Monday mornings and to do it quickly and easily. The certificate bears the signatures of two of the outstanding statesmen of early American history—John ped on the starter of a Co-op Tractor decided they needed one. That put

Frank Till of the Farm Bureau Serv- The first few days that Frank tried Del. State Property tax....

Litchfield, Jonesville, Albion, Mar-person.

## Secretary of War under President We Can Trade Dollars for **Quarters on Farm Products**

apacity under Presidents Martin Van When Prices Are Low, Imports Are Too; So Which Will We Choose?

From address by Sec'y Wallace be-fore farmers at Lincoln, Neb.



SECRETARY WALLACE

iles northeast of here.
"We've had to repair the line three of a Nebraska corn county. But corn culture." One lb., 75¢; 5 lbs., \$3.00. Write for Cereal Pamphlet and free blueprints—cheap way to make a rotary or gravity treater from old oil drum. Bayer-Semesan Co., Inc., Wilmington, Delaware.

TREAT SEED TITALS

TREAT SEED TITALS

BUY CERESAN AT

BUY CERESAN AT

FARM BUREAU DEALERS

Or, buy from us, cash with order, plus mailing at 10c per 1bs., if dealer can't supply you.

Or, buy from us, cash with order, plus mailing at 10c per 1bs., if dealer can't supply you.

Or, buy from us, cash with order, plus mailing at 10c per 1bs., if dealer can't supply you.

Or the line is only a mile long and we've been thinking or re-inforcing the insulator brackets with tin or putting a tin band around the poles, but Tom Marlait, conservation officer in Otsego county, says the porcupitor mailing at 10c per 1bs., if dealer can't supply you.

Or the line is only a mile long and we've been thinking or re-inforcing the insulator brackets with tin or putting a tin band around the poles, but Tom Marlait, conservation officer in Otsego county, says the porcupitor mailing at 10c per 1bs., if dealer can't supply you.

Or, buy from us, cash with order, plus mailing at 10c per 1bs., if dealer can't supply you.

Or, buy from us, cash with order, plus mailing at 10c per 1bs., if office the plus the proposed at this time to instruct the plus the proposed at this time to insure the plus the port of the home market. But I want you to think seriously about the fact that armers have more to lose through a check for notary of a Nebraska corn county. But corn then? Was a bushel in Nebraska, and of what use was the 25 cent tariff on corn then? Wheat sold for 28 cents in Nebraska, and of what use was the 25 cent tariff on corn then? Wheat sold for 28 cents in Nebraska, and of what use was the 25 cent tariff. In Industry is to keep its high tariff, farmers want equivalent help, but they can get it only by protecting the insulator backets with tin or putting a tin band around the poles.

We are pleased at this time to insulator was the surplied and less,

Imports Up With Prices

either way. During the other 10 per- who are busy grinding their own axes. sales slips on purchases of Farm Bucent of the time, following unusual weather, the tariff works as shown We do want to increase in every ganization dep't office. Through by the coming in of a few imports, sane way possible the chance to sell the membership credit they share and it means farmers are getting good more farm products abroad. And by in the earnings of the Farm Bureau. prices for their products.

agriculture?

in the past American farmers were from hopeless.

Sold Down the River

tariff increases they thought neces- share of federal taxes. sary to induce the farmers to stand for The trend seems to be for the State . . . You should not stop now . ers got this fake one instead. We carring up to 60% of the local school hogs." come down to 1932, with surpluses tax burden, with an attempt to equal- Professor Reed, now chief of the three times the normal amount, corn ize the cost of grade school and high Bureau of Dairy Industry for the U.S. at 10 cents, hogs at \$2, wheat at 30 school education insofar as taxpayers Dep't of Agriculture at Washington, cents, and what did our tariffs mean are concerned.

The kind of program that farmers and those of us who were working Behind for farmers' interests wanted was one that would really make the tariff work the Wheel for agriculture. Farmers wanted a program that would protect their long, 25 inches in girth and weighed Professor of Agriculture home market from the price-smashing 46 pounds. weight of surpluses that could not be The musky is probably the largest gram they really wanted, with adjust- lin lake near Ludington, in February Central State Teachers College at ments in acreage financed by process- of 1935. began to see their way to a balanced their catch. They hooked the fish a since 1914, with the exception of the "But what about the tariff and its relationship with industry, so that mile out in the lake, near the Clam years 1918-25 and 1933-35. During Porcupines that gnaw off the glass usefulness to farmers during a year agriculture as well as industry might river bridge, and landed it near shore the first period he operated his 200 nsulators of a telephone line run- like 1932? Well, in that year imports obtain just benefit from the home mar- in water 10 feet deep. ning to the South Branch fire tower. certainly were kept out if that's the ket. Though the processing taxes While the battle was raging they have become a permanent nuisance main thing we want. Imports of corn have been taken away from farmers, sent ashore for a gaff hook which they in the Pigeon River State forest, 18 were 400,000 bushels—an amount I think they are not going to stop called into play at the finish.

A substance with which the insu- ceiving an average of 58 cents for farmers have more to lose through membership dues and your member-Lansing, Mich.

Lansing, Mich. 1932 to almost 7 billion dollars in abroad. The most additional land they could use by enting out imports. This is your organization and would gladly have let in a few im- they could use by cutting out imports you profit in the degree to which you ports, if at the same time they could would be perhaps 10 million acres. It let it serve you. ports, if at the same time they could have increased their cash income by having to leave 35 or 45 million acres service to you in the future, I reidle in order to try to gain a market main. Sincerely yours, The tariff question on farm products for 10 million acres. I don't think comes down to this. For most Ameri- farmers are foolish enough to trade can farmers 90 percent of the time, the dollars for quarters, no matter how Editor's Note Farm Bureau farm tariff does not mean a thing strong the pressure may be by those members are asked to send their

> Would Increase Farm Exports the way, it is worth mentioning here The real question is not whether that the trend in exports of cotton we want a tariff for farm products: and tobacco is once more upward, both we already have one. The real quest of these being products less affected tion is, are farmers going to accept by the drought than other export prodthe high tariff idea as a cure-all for ucts. As supplies of wheat and pork liar." and other export products increase If they do, I tell you frankly, farm- with normal weather, we should re- dear, no man is perfect." ers are going to be sold down the river gain a part of our foreign trade in equipment, chemicals and dyes, and again. Need I remind you how often these products too; the situation is far certain other industrial products.

> sold down the river on this tariff Of course, to sell abroad, we must ers are concerned, it seems to me, lies issue? All through the 20's farmers buy abroad. We ought to buy partic- in the question of monopolistic priviasked for a real program for agricul- ularly more industrial products on leges enjoyed by some corporations ture, a program that would enable which tariffs now are so high as vir- and groups of corporations shielded them to meet the situation of surplus tually to create domestic monopolies. from competition by a tariff wall. The acres following the War. And what It seems to me that farmers inter-use of tariffs by such interests hurts did they get? They got high tariffs. ested in the tariff situation, if they farmers in two ways. It helps to cut That is, the industrialists dominat- gent arrangement that would react ucts abroad, and it makes them pay

STATE REVENUES **TOP 192 MILLIONS FOR PAST YEAR** 

Of This Sum Large Shares Are Returned for Local Purposes

According to accountants of the State Administrative Board the total net revenue for the State government of Michigan for the year ending June 30, 1936, was \$192,850,000. That sum, we are told, represents about \$15,000,-000 more than the State government expended during that period. The more important sources of State income were: Sales Tax...

23,000,000 Gasoline Tax. Auto Licenses. Primary School Fund.... 15,358,000 Emergency Relief .... 16,280,000 Highway Construction... 11,100,000 Liquor Sales 10,200,000 Corporation Tax... Chain Store Tax... Game Protection... 1,147,000

Quincy Adams, who was President, and was off to distant parts of the Frank to traveling. Here are some population of 4,834,000 as of the 1930 were to prosper they would have to for each man, woman and child. Since feeds, particularily roughages, and In making the appointment, on Dec. the tractor in farmers' fields. He Charlotte, Battle Creek, Kalamazoo, the State spent nearly the entire he based his selection on a "special urday night. The tractor took him Claire, Buchanan, Niles, Marcellus, of saying that the cost of State govtrust in the patriotism, integrity and about at 25 to 35 miles an hour, al-

Lewis Cass was named Territorial ler engine and operates with the con-Hudsonville, Holland, Byron Center, State revenues provide for all purely Affred Bentall of Allegan county, in Governor of Michigan six times by ventional automobile gear shift. The Dorr, Middleville, Hastings, Lansing, State revenues provide for all parts, staging there the first series of dairy staging the staging there are staging the for a total of 36 millions of State Farm Bureau co-operated in making selected for the post twice by Presi-as tractor power in the field, to haul The photograph was taken at Al-

> local governments for county, city or township, school and other purposes, and you have his Michigan tax "In 1921 Michigan had only 1 acre

sold either here or abroad. They ever taken in Michigan waters on hook Isabella County Farm Bureau and a wanted an equivalent to industry's and line. The record for a Michigan director of the Michigan State Farm tariff. In 1933, I think they got at muskellunge, is held by a 48-pound Bureau in the early 1920's, has been a start toward the kind of pro- fish speared through the ice on Ham-

Director of the Organization. reau Brand supplies to the State or-

Hardly Ever Wife (heatedly)-"You're lazy, you-'re worthless, you're bad-tempered,

Husband (reasonably)-"Well, my

The real tariff issue so far as faum-

really want to work for a more intelli- them off from markets for their proding the government gave agriculture to their benefit, might well look into higher prices for the things they buy whatever ineffective and meaningless our tariffs on aluminum, electrical at home.

## Dairy and Alfalfa



"Fifteen years ago Michigan's 95,000 4,924,000 acres of alfalfa ranked her in 20th 2,289,000 place among the states; last year she was in second place with 1,040,000

. . depend more on home-grown

"In the fall", said Prof. O. E. Reed. work with J. A. Waldron, dairy ex-The tractor is powered by a Chrys-shall, Plainwell, Allegan, Hamilton, It should be said that the foregoing tension specialist, and County Agent That includes the primary school fund. West. The campaign was so success-Add to the above John Taxpayer's ful in Allegan county that similar proannual contribution in taxes to his grams were developed for most of

> picture. On top of that he pays his of alfalfa for each 8 cows. Today you have 1 1/10 acres for each cow stiff and effective boosts in industrial to collect at large and attempt to Michigan's alfalfa acreage is still far tariffs. The result was that agricul- equalize opportunities locally in mat- below what would be desirable and ture was not helped but harmed ters that once were purely of local profitable . . . Hundreds of farmers Farmers had to buy in a protected concern. In this way, the rural high- who have not yet grown the crop are market and sell in an unprotected way tax has practically disappeared at a disadvantage with farmers who one. Again and again a real program and we have improved roads nearly have an abundant supply for their for agriculture was shelved, and farm- everywhere. Soon the State will be dairy cattle, beef cattle, poultry and

came back to Michigan July 31 to speak at the annual farmers day at Michigan State College. He believes now as he did in 1921 that alfalfa is the king of forage crops.

# At Central State Teachers

George Wheeler, president of the ressor of agriculture at the Mt. Pleasant to succeed the late ing taxes that were somewhat the It took Capt. C. V. Burnett and T. Myron Cobb. Professor Wheeler has equivalent of industry's tariff. They M. Fordon of Detroit two hours to land been a member of the faculty there acre farm near Mt. Pleasant. During the latter period he was on leave of absence to assist the federal farm credit administration. He continues as an officer of the Isabella County Farm Loan Ass'n.

Tariffs Our modern word tariff comes from Tarifa, a Spanish port town, whose Moslem rulers forced payment on all goods passing through the Straits of





#### Believe It or Not

A farmer living at Grass Lake, Jackson county, had a R-5, Dayton deep well pump which outlasted two lighting plants and 3 sets of batteries. Consequently, when he got power line service, he made a trip to our factory branch at Lansing for the latest and best he could get in a new Dayton electric automatic water system. Dayton has the largest selling, highest quality and lowest priced line of farm electric automatic water systems on the market.

For full particulars and descriptive literature see your Farm Burea dealer, or write Farm Bureau Services, Lan-sing, Mich., or write DAYTON PUMP & MFG. COMPANY 116 No. Hosmer Lansing, Mich.

# Kills Flies!

Guarantees Live Stock Comfort



Packed in 1 & 5 gal, Cans 15, 30, 55 gal. Drums

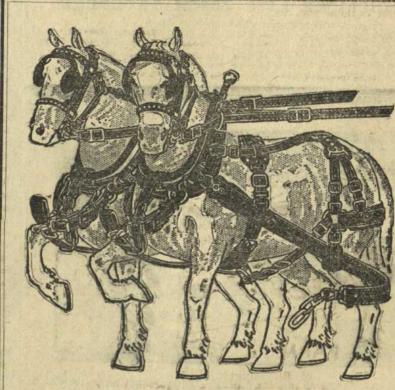
For Cattle, Other Live Stock, Barns, Etc.

Farm Bureau Fly Sprays are made from petroleum products with 1 lb. of pyrethrum per gallon of spray, gov't formula. Quick, stainless. taintless, harmless to man or animals. Sprays of similar effective ness usually sell for at least 15%

FARM BUREAU KILL-FLY for household use. In pints, quarts, gallon cans. Won't soll or stain.

> Buy at Your Co-op Ass'n

Manufactured for FARM BUREAU SERVICES, Inc.



## FARM BUREAU'S New Harness Now Ready

BEST LEATHER

Our major cost in building harness is for the best leather. We use only No. 1 selected steer hides in all harness and straps.

SAVE NOW

We believe you will be money ahead to buy harness this fall. Harness leather is up since spring and may up again.

#### NEW IMPROVEMENTS

Our 1937 harnesses, now ready, will include double side straps . . . double market straps . . . two piece lazy strap . . . New type hame clip . . . all Anchoride trim which is five times as rust resisting as cadmium trim and 25 times more rust resistant than Japan trim. Traces, breechings and strap work are extra strong for long wear . . . Write for our harness circular.

SEE IT AT YOUR CO-OP ASS'N

FARM BUREAU SERVICES, INC., Lansing, Michigan

# Farm Bureau Paint House Barn Roof Enamel Varnishes



ONE GALLON OF FARM BUREAU HOUSE PAINT will cover 300 sq. ft two coats on average surfaces. It's a job that settles the paint question for many years. Our house paints are a combination of lead, zinc, and Inert with pure linseed oil and thinners. Good paint makes the best wearing and the cheapest job.

FARM BUREAU QUICK DRYING 4 HOUR ENAMELS come in 14 colors, including black and white. Brilliant gloss . . . no brush marks . . . washable . . . not expensive . . . and cover well. OUR PERSIAN GOLF RED OXIDE BARN PAINT is bright red and

will not fade. We have a fine line of roof paints . . . wall paints . . .

BUY FROM YOUR FARM BUREAU DEALER Farm Bureau Services, Inc., Lansing, Michigan

aluminum paint . . . and floor paints.

## **BAD LOAN TAKES** 10 YEARS' INCOME ON 5 GOOD ONES

Federal Land Bank Explains What Happens When A Loan Sours

St. Paul, Minn.-In 36 years the federal land bank gets \$705.94 out of a \$3,000 loan with which to pay overhead expenses, including officers, bookkeepers, clerks, fieldmen, legal and travel expense, cost of blanks, stationery, postage, fuel, light, rent, insurance, taxes and other things. bank on a 5 per cent loan of \$3,000, which is about the average size loan in the St. Paul district, which includes Michigan.

The bank can never get more than that. It may get less, much less. Suppose some borrower after paying all installments for 10 years defaults and is foreclosed. Up to that time he Representatives and Senators affairs are conducted at Washington. these features he cited Chevrolet's site of the village of Lyons, the overhead items mentioned. This is derived out of a small part of his interest, says an article in the land bank's Farm Credit Messenger.

You will be interested to see just what happens to the money he has ence of Farm Women of the World paid in. On a 5 per cent mortgage last June would be complete without of \$3,000 the semi-annual payment is mention of the part that members of \$90. Out of the first payment, \$75 Congress played in the entertainment goes to pay interest and \$15 to pay of their constituents from the home principal. Out of this \$75 interest item district. the land bank has to put away \$60 The senators and representatives to pay interest on the bonds that were were well aware of the "coming of sold to get the money for the borrower, the women," especially the women of The other \$15 (which is only one- the Farm Bureau, for to no less out of their seats or scanning the per hour are common, and emphasis ed with ox teams for the Grand river half of 1 per cent of the total amount a person than to our president, Mrs. of his loan) is the largest portion the Abbie Sargent of New Hampshire, was over the list of farm women from his the matter of economical and safe miles north of Pontiac, on the Sagibank will ever get to apply towards left the matter of financing the conoverhead expenses. The bank's por- vention. There seemed to be no other tion grows less and less every year way to do it than to do just as men and finally the last year amounts to would do under similar circumstances, only 68 cents.

If Losses Begin

So if a borrower has paid all installments for 10 years as he ought to, to ask for \$5,000. Mrs. Sargent in the bank has had \$283.37 to help pay all its expenses. But at this point the loan ceases to pay its way and begins to pile up additional expense of its own, expense of foreclosure, fieldmen's or secretary-treasurer's expenses to visit him, legal costs-and nothing coming in!

After the mortgage is foreclosed the farm must be sold, and if badly run down through poor management or improper farming it may be sold at a substantial loss. If not sold at once it must be rented, but the rent income never makes up for the income from a healthy loan. Or maybe it can't even be rented, at least for every

When the loan "goes stale" at that in comparison with the average rethat was expected to be derived from was the result it. Suppose eventual sale of the place results in an aggregate loss of \$1,000,

vest money in stock which the associ- tension forces.

sociation takes all possible steps to man present. economize on its overhead expenses, to make it income, and to coMichener from my home district in
Michener from my home district inoperate with its neighboring associa- vited me to be his quest for lunch on all times with our desires. tions for greater service and efficiency a given day so that we might talk a big step will have been taken to- together on matters of interest in our wards success.

## Farm Group Booth at Ionia Fair



FARM BUREAU ORGANIZATION AND INSURANCE DISPLAY IONIA FAIR, 1936

That is the maximum income to the Hundreds of visitors to the Ionia fair found these booths a good place to rest. Attendants were there to give information and service

## **Tells How Congress Received** Farm Women at Washington

Senator Copeland's filibusters.

Filibusters Are Also Wind

Mrs. Huey Long

An Observation on Radicals

Other Matters of Interest

Got Busy With Social Functions

By MRS. EDITH M. WAGAR No report of the Washington confer-

-ask Congress for an appropriation.

Twice Blessed So the committee in charge decided ate tactics,

turn requested each

appeal was so gen- was there. uine and at the same time so modest

The Ladies From Home taking all expenses into account. Such began to develop before invitations to out his policies. To my astonish- cidents that have resulted from hingloss will be the loss of the association state groups began pouring in from ment I learned that the only times ing doors at the rear, the Auburn, because the association indorsed and members of congress, requesting them she let herself be heard was to ans- Hudson, Terraplane, and Hupmobile guaranteed payment of the loan, and to participate in some social function wer to roll call. I have disapproved retain these rear hinges for the front each member's stock is all pledged to either at the Washington residence of of wives "inheriting" the husband's doors. senator or in some other ap- political office when he passes on How many years' income on how propriate place. As a consequence, during his term, but there are times many good, healthy loans do you think many farm women were royally en- when such a thing could be a bless- been sacrificed for smoothness of line will be required to pay that \$1,000 tertained at a garden party or a tea ing and since my visit to Congress and contour in modern cars, and they loss? It will take all of the average or a reception with a senator's wife I've decided not to be too severe in are much too complex in construction income on 5 good loans for 10 years as hostess, ably assisted by the wives my criticism. just to make up the loss on this one of congressmen and members of the Cabinet coming from her state.

A few big losses like that in one as- I regretted very much the fact that that some were making there and design to have the engine, battery, sociation may consume all its income the Michigan delegation of women found that the man who endorses and tools where they may be easily and finally the capital stock of its was not organized in a way that we radical and spectacular policies bemembers. When impairment of stock might have arranged something simibecomes substantial the association is lar for them, but no one seemed to dead certain that such policies are capped with the advent of new auto not permitted to make any more loans know who was there from our state the best thing for the American peobecause anyone who would get a land or where folks were stopping. This ple once he is elected and away from ceal all motor parts. bank loan through an assocation in is one of the penalities of a complete home influence! such a plight would be required to in- separation of Farm Bureau and Ex-

ation might never be able to repay. It has been our hope that groups of approval of Chester Gray as a lobbyist leadership saw to it that they were But these losses can be prevented if Michigan women did have an oppor- for the American Farm Bureau. They kept in storage until at least the conthe people most interested, the farmers tunity to accept the courtesies ex- liked his earnestness and his knowl- flict was over and peaceful recovery who have stock in the associations, tended by their own Congressmen, edge of agriculture, business and had been begun. will take a hand in the proceedings— for we know each Congressman was tariffs. I came away satisfied that As it is they are now looked upon and if all borrowers pay their own eager to do his part in making the the Farm Bureau is meeting the as an unwarranted expenditure and a installments when due. If the as- trip ideal in every way for every wo- issues of the day in a way that wins constant reminder of a nation unable

work. He knew I was keenly inter-

## SAFETY IN AUTOS **BEING NEGLECTED** FCR SALES TALK

Stress on Speed, Design and Gadgets to Boost Sales Means More Deaths

The attention of automobile buyers shapes, sizes, and gadgets, rather than to the more fundamental points of hickness of exposed metal parts, durability of finish, prevalence of blind more than 100 years ago. pots, miles per gallon of gas, safety, and cost of repairs, in the opinion of in 1830 came William Hunt with a Professor Walter E. Lay of the De- pack of guns, blankets, whiskey and

alking points as they think the credi- 1834. pility of the public will stand," Pro- In 1836 a government surveyor, He arranged to take me into the gal- "valve-gear temperature control," lery of the House where we could Buick's "choke adjustment for vary-He pointed out to me members whom "hill holder," and Hudson's "dustless likewise those he might not. He also according to Professor Lay, are but New York. escorted me to the Senate where we surface-deep and detract attention spent some little time during one of from vital spots.

Safety Features Neglected

The senator was playing for time impressive cars is still the major Dr. W. B. Lincoln, set out for Buffalo and he talked incessantly and prac- factor affecting the design of Ameri- by canal boat. After a long trip they tically to himself, for most of the can automobiles, declared Professor left Buffalo by steamer, arriving at members were either moving in and Lay. Speed possibilities of 90 miles Detroit three days later. They startmorning paper (probably checking upon power and speed is so great that valley, by way of Fuller's Tavern, 13 township where Chief Okemos was Professor Musselman, farmer operhome state) or trying to content them- transportation is almost lost sight of, naw turnpike. At the tavern they he said. He predicted that that very engaged 23 year old B. O. Williams as Compares Electric, Kerosene, This long-windedness may be ad- fact would, no doubt, be the cause of guide. vantageous in killing unfavorable a greater percentage of deaths in legislation, but it appears silly and America in the next few years. childish to one not familiar with sen-

Twenty-three per cent of all accidents in 1935 were directly due to I was keenly interested in what was speeding and loss of car control, thought of our women representatives. which might have been avoided by state, home and To my surprise I found that most of correcting mechanical deficiencies.

community chair- them are admired for their tactful- Some of the real dangers existing ness and good sense. Don't for a in operating automobiles at the prestwo Senators and moment think that our women in Con- ent are: presence of carbon monoxide state as possible, dressed for business. One of them charge point, low combustion effi- when by act of Congress they were feet of gas, respectively." urging them to appeared very indifferent to appear ciency, free wheeling, blind spots as removed to a reservation in northern make it possible ances, but keenly alert to all that was the result of increasing the size of the Michigan. for America to put going on. Mr. Michener said that roof supports, and almost unlimited on a convention whenever she takes the floor everyone speed possibilities. As car stability representative of listens. That's more than I can say becomes greater the driver seat be-American hospital- about some of the men who addressed comes lower behind the engine cowl, ity and ability. The the session during the short time I and is in a less advantageous position

sential in fast driving. The throttle I met Mrs. Huey Long and found and light controls have been removed stage it is short \$422.57 of the amount quest that an appropriation of \$10,000 her a fine appearing woman. I was from the steering wheel of many cars most anxious to learn just how she and placed where they cannot be reachwas filling her late husband's place, ed without diverting the attention The Washington publicity had only knowing she was expected to carry from driving. In spite of many ac-

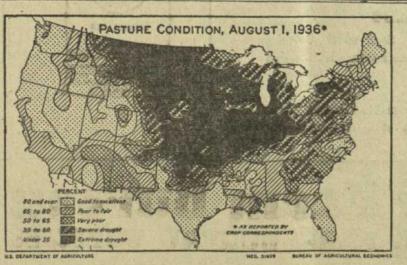
New Cars Heavy, Unwieldy

Accessibility and convenience have and operation to be anything but excessively heavy and unwieldy. I interested myself in the records In Europe it is still considered good

I met many representatives during by France at a tremendous cost and the day and all were generous in their shipped to our country, but tactful

the respect of our lawmakers even to pay its war debts.

setting and reflects American customs in numberless ways. Life in Washing-There are many attractions for a ton is a busy life. Many sent there visitor. I was most interested in two are deep thinkers. It should be that vases that were presented to our way-every state has many high type country by France soon after we en- men, fine in character, earnest in entered the World War. France was so deavor, aiming to serve their people grateful for having America come to in a way that is best for all America her rescue in that terrible conflict for all time. It is no place for the that she did what we may call a char- one track man, no place for the specacteristic of her nationality; she for- tacular bubble,-no place for the man got her home needs and her rightful without worthwhile experience. We obligations and sent to America a pair need men and women given to straight of large floor vases to be placed in our thinking, who can carry us through a capitol building as an everlasting re- restless and thoughtless period,-men minder of the gratitude that they felt and women who are unhampered by for us. These vases were purchased the cults and isms.



The drought of 1936 has been much more severe than any drought on record, except that of 1934. Only Michigan, Missouri and Kansas have better pasture conditions than they had two years ago. The pasture conditions may also serve to show what all crops have been suffering.

## Days of High Adventure

Early Settlers In Ionia County

Mrs. Chas. Brooks of Lone Pine Farm, Sunfield, a member of a pioneer s being attracted to new and bizarre the early history of her community. To her we are indebted for these pictures of the first settlements there hart settled near Lyons later that year.

Into the Indian village of Cocoosh partment of Automotive Engineering other items to establish the first tradof the University of Michigan, says ing post in that part of the Grand felen Litwiller, writing in the Mich- river valley. Later came partners Burgess and Belcher, and Mrs. Bel-Car manufacturers are "bringing cher, first white woman to live there. rward as many shapes, sizes, and A child was born to the Belchers in

ested in seeing for myself just how fessor Lay declared. As examples of Lucius Lyons, laid out at Cocoosh the land. They watched, but were carried for field work 75 days a year and con-

party of nearly 60 New York State this large boulder stands nearly four \$168.75. A saving of 121/2 per cent or see and hear all that was going on. ing fuel volatility," Studebaker's folks looked down into the valley of feet out of the water east of Centerline one-eighth is \$21.09, to which can be the farmer would call "friend" and ventilating system." All these things, were to name Ionia, after a village in At first Ionia was attached to Kalathe Grand above the townsite they bridge in Danby township.

Nearly two months before at Utica, lies of Dexter, Guild, Yeomans, Arn-The demand for more powerful and old, Fox and Decker, and a bachelor,

For 18 days they made their way through the forest, over the same trail that Louis Campau had travelled. Some of their road they built. In what is now Clinton county scarlet fever took the life of a child of Samuel

wigwams and part of the Indians' grees."

gardens for \$25 in silver. Provisions TIRES ON TRACTORS later by pole boat from Grand Rapids. The two Cornell families came to

Ionia in November of 1833. On their journey through the woods from Fuller's tavern they found only three set-Scott, living in an Indian wigwam where now is the village of Dewitt, Clinton county.

Philo Bogue settled at Portland in October, 1833. M. Milne and James Newman and family joined him in November, John Morrison settled across the river from Ionia in the George Case settled west of Ionia. Chancellor Barringer located in what s now Danby township in 1835. Dan-

year's provisions with them. They traction. were warned of a large boulder in On the average Michigan farm it is

mazoo county for court purposes, saving of \$5.62. This is a total for a later to Kent. In 1837 by action of year of \$26.71. Estimating an initial N. Y., this group, including the fam- 256 voters it was organized as a two cost for the tractor tires at \$200, these township county. By 1849 the 16th minimum figures show the tires pay and last township was organized. The for themselves within seven and onepost office was established at Ionia in half years, although individual farm-1835 and at Portland in 1837.

the sites of the Indian village, "Chief last ten years or more, Cobmoosa" at Riverside park, Ionia; To these actual cost figures, says buried in 1858.

## Gas and Ice Refrigerators

Electric, kerosene and gas refrigerators have been compared with fit can be worked under proper and each other and with the ordinary ice more favorable field working condibox under similar conditions.

"Tests by the bureau of home economics at Washington," said Miss for the tractor rider, there is less Helen Noyes of the State College wear on the tractor and the machine The Ionia townsite had been an staff, "show that four kinds of re- can proceed on roads where tractors Indian village for many generations. frigerators required, under similar with lugs are barred. as many of the gress are on dress parade. None were in the passenger compartments, de- The Pottawattomies, the Ottawas and conditions: 50 kilowatt hours of members of Con- spectacular in their dress, but most tectable exhaust leaks at some point the Chippewas lived there. Indians electric energy, 900 lbs. of ice, 12 gress from her of them were very appropriately ahead of the normal tail-pipe dis- remained in the vicinity until 1856 gallons of kerosene and 1,800 cubic

"The ice box maintained tempera-The settlers began by purchasing types maintained an averge of 43 de-

PAY THEIR COST

tlers along the way. One was Captain Every 5 Years and Should Last Ten; Their Good Points Told

Simple arithmetic proves that tires on tractors pay for themselves in about five years in fuel savings, says spring of 1834. McKelvey and Lib- H. H. Musselman, professor of agri-State College.

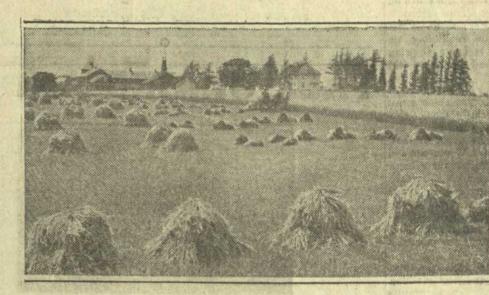
Although scattered reports on fuel savings have indicated pneumatic tires iel Hull came pioneering in 1837 and on tractors are able to save a fourth brought a bushel of apple seeds with or a third of the fuel on many Michigan farms, conservative figures actu-Charles and Willard Brooks and ally obtained in a survey by Professor William Churchill and families came Musselman ranged from 121/2 to 15 per in 1837. They floated down the Grand cent. Yet even this minimum range by raft from Jackson, and carried a easily proves the efficiency of modern

the stream near what is now Port- estimated that a tractor is being used into it and tipped a raft enough to sumes about 15 gallons of fuel per On the 28th day of May, 1833, a lose part of their supplies. Today day. Fuel costs thus are around added an additional saving of 71/2 per ers are reporting the time is perhaps Today boulders and tablets mark less than five years. The tires should

> ators can be assured that rubber tires have removed all usage limitations on a tractor. It is true, he reports, that wet grass, heavy green sod or wet clay will not permit use of rubber tires, but the speed at which the outtions overbalances this handicap. In addition, there is far greater comfort

FARM CO-OPS DOING WELL

Cooperative marketing and supplybuying associations for farmers in the ture of 53 degrees while the other United States in 1935 made satisfactory progress according to the Farm Credit Administration.



# Building Your Business!

## The Farm Organization That—

[Secured relief from the 3 per cent sales tax on farm supplies.

Decured State policy of paying up to \$65 tuition for all high school students, thus assisting every rural school district.

• Won the fight for removal of tax on farm property for township roads. (Compare your highway tax statements since 1932.)

¶ Slashed \$12 a ton off the price of fertilizers years ago and introduced open formula feeds, and alfalfa and clover seeds of northern origin, high purity and germination.

I Won the zone freight case of 1923-24 which saved farmers of Michigan a half million dollars annually.

Caused the equalization of farm property to be corrected so as to compare with urban property.

## Today Is Working For

¶Rural electrification that will extend rural lines without construction cost to the customers, and make available electrical equipment at reasonable prices and easy terms.

I Farm to market roads that will bring farmers off the main highways "out of the mud" through the use of federal money allocated for the relief of the unemployed.

¶A more just portion for farmers of the Nation's annual income and a more equitable price for farm produce.

Join the Michigan State Farm Bureau

# It's Here!

### STATE FARM FIRE INSURANCE CO.

of Bloomington, Illinois

The same people who insure your car through the State Farm Mutual Automobile Insurance Co. and insure your life through the State Farm Life Company will now insure

#### Properties Village Farm

in a complete fire insurance service. Our farm policy covers dwellings, barns, other buildings, live stock, crops harvested and on the farm and other property. The five year farm policy is payable in annual installments.

Ask Your State Farm Mutual Agent About Our Fire Policy

### Presidents of Michigan County Farm Bureaus

Mark R. Westbrook, president of the Ionia County Farm Bureau, has many things to feel proud of. But what Mark feels most proud of right now is the fact that the Ionia County Farm Bureau is "going places". Mark believes in co-operation because he believes that the hope of the farmer if not the entire nation lies through the co-operative way. Recently, in a campaign of eight counties, Ionia county led in membership acquisition

-and Mark says they've just started. Mr. Westbrook has been president of the County Farm Bureau for two years and a member ever since the Farm Bureau was organized in this state. He is also a member of the Grange, a director of his school district for a number of years, township treasurer for two years, was a leader of the farmer day program held at the Ionia Free Fair this year. He had charge of the cattle judging ring and managed to find time to show his Red Polled cattle there.



MARK R. WESTBROOK

Mark feels mighty proud of those cattle. For the past eight years, he has been judged the premier herd breeder for the state, an honor that is secured by winning more prizes with one's own cattle than any other breeder. That herd has been in the making since 1917. Eleven years ago a fire on the Westbrook farm almost wiped it out. Eleven calves were saved. From them Mark has been rebuilding his herd and this year is again showing at the State Fair and the other important fairs in Michigan. His Red cattle, a dual purpose type, have been leaders in Michigan. The silver cups, platters, trays, dishes, ribbons, etc., that Mrs. Westbrook displays in her china closets is ample proof of that

And then there is Mrs. Westbrook and the children, two girls and three boys. Dorothy is to start teaching this year; Eleanore and George are in grade school; Thomas is a graduate of the Ionia high school; Robert is just entering high school. All, except Eleanore who is too young, are members of 4-H clubs.

Dorothy leads. In 1935, she won the honor of being the best clothing judge in the United States. A beautiful silver loving cup which was presented to her by Senator Arthur Capper at the 4-H Club Congress at Chicago at the time of the International Hay and Grain and Livestock show. A picture of her and the cup appeared on the cover of the Ionia Free Fair premium book this year. Dorothy and Mrs. Westbrook are both members of the Grange and, like Mr. Westbrook. are interested in community and cooperative work.

#### **Nut Growers Find Use** In Industry for Shells

When you eat walnuts, you probably throw the shells away. But nut growers who sell shelled walnuts aren't going to throw theirs away any longer. They plan to grind them up for use in various commercial pro-The grinding operation breaks the hard walnut shells into 8sided crystals varying in size from a coarse 12-mesh material to a fine 325-mesh powder. Consumers may soon be using walnut shell in hard and soft rubber compounds, asphaltum linoleums, roofing papers and abrasive soaps.

CREDITS ON PURCHASES

Help Pay Farm Bureau Dues!

NOTICE TO MEMBERS: Purchases of Farm Bureau Brand dairy and poultry feeds, seeds, fertilizers and fence from your local dealer; also, purchases from our clothing and blankets dep't at Lansing, are eligible to membership credits when declared.

MAIL YOUR DEALER SALES SLIPS to the Michigan State Farm Bureau, Membership Dep't, 221 North Cedar Street, Lansing, about every three months.

BE SURE Farm Bureau brand goods are entered on slip as "Farm Bureau Alfalfa," "Milkmaker," "Mermash,"

\$16 annual dues mature life mem-berships; \$5 annual dues do not, but participate in Membership Credits, which reduce the amount of dues pay-

Life members receive their Mem-bership Credits in eash once a year. We furnish addressed, postage pre-paid envelopes for this purpose on your request.

MICHIGAN STATE FARM BUREAU Lansing, Michigan

# Co-op Tractor Has What You Want

#### POWER

Co-op Tractor's Chrysler Six industrial motor unit is built to develop maximum power at the drawbar and for the belt, with very low fuel and oil consumption.

#### **ECONOMY**

Our experience has proved that a high compression motor with a variable speed governor insures even, flexible performance with economy of gasoline and oil.

#### EASILY CONVERTED

From regular tread to cultivator type. Converts to 16 different widths of tread easily by special lug arrangement. Axle always enclosed, and never projects beyond outside of wheel.



CO-OP NO. 2 . . . THE TWO OR THREE PLOW TRACTOR (Available With Power Take Off)

### EXTRA VALUES

As standard equipment, Co-op Tractors are equipped with these good features.

> Self-Starter Electric Headlights Battery & Generator Ignition Foot & Hand Brakes Rubber Tires Truck-type Steering Gears

#### ALL PURPOSE MACHINE

The Co-op Tractor is well adapted to highway hauling. It will do 25 to 40 miles per hour. Steers as easily as a truck and has no greater fuel consumption. Only our tractor has built in facilities for converting it from the farm cultivating type to the field or road type.

NO EFFORT HAS BEEN SPARED to make the Co-op tractor the best that modern engineering can produce. Gears, axles and bearings are of the latest design and have adequate factors of safety to insure long life under severe duty. The tractor operates smoothly and quietly.

THE CO-OP TRACTOR COMES EQUIPPED with self-starter, generator and battery as regular equipment. The owner will not have the disagreeable job of cranking by hand. The tractor can take the place of a farm truck since it is well adapted to high-

THE TRACTOR IS EASILY CONVERTED from a wide front-axle to a row-crop type for use in the field. Because of the ingenious design of the rear wheels, their tread width can be increased over 30 inches between minimum and maximum without leaving a projecting splined axle when working in the narrow tread widths.

EASY STEERING IS ACCOMPLISHED by fully-enclosed truck type steering gears. The steering wheel is of composition type with a steel core for strength. The operation of the Co-op tractor resembles that of a truck or an automobile, with the left pedal controlling the clutch and the right pedal operating the rear wheel brakes,

Plows Discs

Drags Cultivators **Planters** Mowers

**Grain Drills** Rakes

which are very large and sturdy. Two hand levers control either rear wheel brake independently, and are used in making short turns. The variable speed governor with which the tractor is equipped is controlled by a convenient hand lever.

UNITS USED IN CONSTRUCTION of the Co-op tractor are of the automotive type, so owners are assured that service and mechanical parts are always available. This applies to the transmission and differential parts as well. Any garage mechanic or farmer or who is familiar with car and truck repairs can service the tractor.

CO-OP TRACTORS ARE MANUFACTURED BY FARM BUREAU SERVICES and associated farmers' co-operatives in the United States. They are on sale in Michigan at Farm Bureau stores and many farmers' co-operative ass'ns. The tractors are made in three sizes: No. 1—the one or two plow tractor with a Waukesha 4 cylinder motor, with four speeds ahead and one in reverse; No. 2—the two and three plow tractor; No. 3—the three and four plow tractor. No. 2 & 3 have Chrysler industrial 6 cylinder motors with five speeds ahead and one in reverse. All are available with power take off. We invite field demonstrations. See your Farm Bureau dealer about the Co-op Tractor, and for these Farm Bureau tools and machines:

Loaders Wagons Spreaders Tractors

Cream Separators Water Systems

# FALL GRAINS AND FERTILIZERS



FARM BUREAU FERTILIZER AND SEED ARE GOOD PARTNERS.

EVERY BUSHEL OF GRAIN grown in North America will be wanted this year, says the Michigan Elevator Exchange. This is a more opportune time than ever to sow CERTIFIED wheat and rye. They out-yield ordinary seed and produce top quality grain. Look ahead to 1937! FARM BUREAU FERTILIZERS guarantee more pounds of water soluble nitrogen plant food than you can buy elsewhere . . . 95% water soluble! Our super-phosphate and potash are from the best sources of these plant foods. These qualities make your fertilizer dollar grow more crops. Ask your Farm Bureau dealer for Farm Bureau Fertilizers and:

> BERKLEY ROCK-Beardless, soft, red winter wheat. Big yielder. Resistant to lodging. Developed from Red Rock. RED ROCK-Old, reliable, bearded, soft red winter wheat. Holds many records tor yield. Stiff straw; doesn't lodge. AMERICAN BANNER-White, soft winter wheat. Beardless. Stiff straw. Winter hardy. Heavy yielder Best for lighter wheat soils. ROSEN RYE-Outstanding heavy yielding rye. Large plump berries. Well filled heads. There is no better rye. WINTER VETCH—Sow with rye. Excellent cash seed crop. Michigan is specially adapted to vetch seed production. Vetch, a legume soil builder.

### WE BUY SEEDS—WE CLEAN SEEDS

LET US BID on your Michigan grown alfalfa and clover seeds. Send us an 8 ounce representative sample. Take equal amounts from each bag to make mixture from which to take sample. We supply mailing bags on request.

LET US CLEAN YOU SEEDS in our modern plant. Very reasonable charges. Send sample and we will advise cleaning needed and price. Have seed cleaned early.



It's Going to Pay to Feed This Fall and Winter

PRICES FOR EGGS, MILK, AND BUTTER are moving up to welcome levels. In the 1920's Mermash and Milkmaker were making good money for thousands of farmers when feed prices were much higher than now.

Mermash

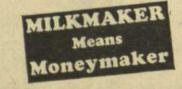


The Complete Egg Laying Ration



# **MILKMAKER Means** MONEYMAKER for You

Milkmaker with home grown grains and roughage for high milk production at a low cost for feed. Ask your co-op about Milkmaker dairy ration, and for our Feeding Directions.

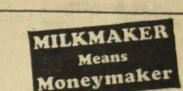


MILKMAKER FORMULAS

16, 24, 32 and 34%

See Your Farm Bureau Dealer FOR FARM BUREAU SUPPLIES

> Write Us If You Have No Dealer FARM BUREAU SERVICES, Inc., Lansing, Mich.



MILKMAKER FORMULAS 16, 24, 32, and 34%