ANNUAL REPORT

OF THE

Merrill Dairy-Herd Improvement Association

1930



OUR AIM
GREATER PROFITS BY CONTINUED
TESTING, WEEDING, FEEDING AND BREEDING

ASSOCIATION AVERAGES

7637 lbs. Milk 4.00% Butterfat

305.5 lbs. Butterfat

PAGE MILK CO.

Manufacturers

Of

PAGE BRAND

EVAPORATED MILK

A New Feed Service For Lincoln County Farmers

After September 1st, we will be operating our NEW FEED PLANT.

This New Feed Plant will enable us to mix for the farmer feeds just the way he wants it mixed. We will be ready to mix your own egg mash, Dairy feeds and poultry feeds, using your own grains, which you raise on your own farm, and adding to them just what you want. This will mean cheaper feeds for you.

We think that this will save you a lot of money.

TRY IT

We will also handle the famous and reliable line of egg mash, growing mash and dairy feeds known as the Wisconsin Line, the best flour and bran and middlings made by the King Midas Mill Co., especially recommend Cloverleaf Pure Bran, and King Midas Red Dog. We will handle MORTON SALT, Badger Brand Seeds, and a full line of all kinds of feeds such as ground grains, millfeeds, meat scrap, beef pulp, etc.

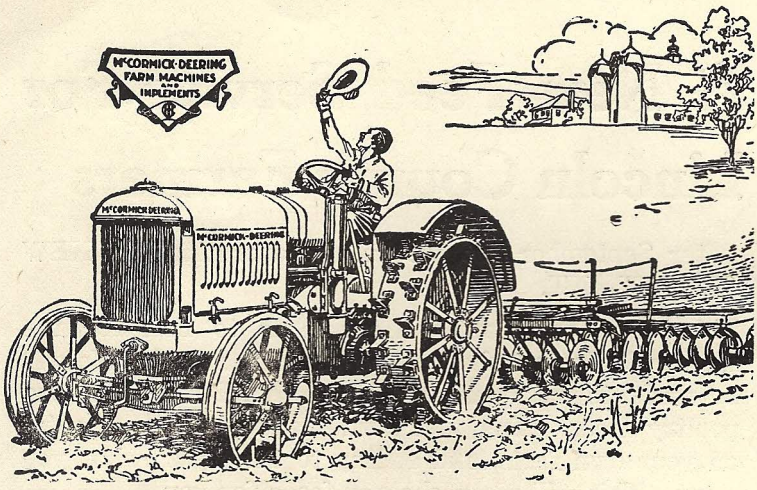
We are in business to make money . . . . the only way we can make money is to give you quality goods, the best of service, and most of all, a fair honest price.

We respectfully solicit your business.

THE LINCOLN MILL

WEST SIDE PHONE No. 344

Always on the job . . . With Quality goods, Service and honest price.



Mc Cormick - Deering

Tractor Power---For ALL Work

EVERY YEAR McCormick-Deering Tractors stand stronger with local farmers. The name McCormick-Deering has become the symbol of reliable power farming because it stands for carefully built, practical, many-sided, long-lived farm power —and the kind of service cooperation we are able to offer our customers.

Men who have used International Harvester tractors—for months or for years—are steadfast friends of McCormick-Deering farm power. They will recommend McCormick-Deering when you come to buy. Other men, who risked using cheaper lighter tractors, found themselves underpowered. They fell short of reaching full production with the least possible labor and in the shortest possible time. After this experience they were ready for new and better power. There are many like these, too, who will recommend McCormick-Deering when you make your power investment.

McCormick-Deering gives you your choice of three tractors —the McCormick-Deering 10-20, the 15-30, and then new all-purpose row-crop tractor, the FARMALL. All are quality tractors, built to last many years. Any one of them will work for you with **drawbar, belt,** and **power take-off** the year around. Any one of them will cut your producing costs and add to your profits. We invite you to look them over at our store.

Aug. Kamke & Sons

MERRILL, WIS.

DEDICATION

To the dairy industry, and to a more systematic method of Dairying in Lincoln County, to the firms who by the moral and financial support of their advertisements made this book possible, this book is dedicated.

You Don't Buy Furniture Every Day That's The Reason You Should Buy

Good Furniture Dependable Furniture Attractive Furniture

This store offers you the greatest values, because it is the store in which values are safe and reliable. We waste no money in buying flimsy furniture—neither do we ask our customers to. It must be of seasoned wood, of pleasing design and perfect workmanship.

We think of all these things when buying and if such merchandise appeals to you, give us an opportunity to supply your next furniture needs.



A. H. Schram & Sons

Embalmers and Funeral Directors

Everything in Furniture **Two Storese**

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Hugo Semrau ..... Vice President
George Schneider ..... Secretary & Treasurer
C. W. Miller ..... Director
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*Frank Waush

*Members less than full year compiled by the tester, H. P. Anderson.

-B-K-

Antiseptic—Disinfectant—Sterilizer

STOPS DAIRY LOSSES **PREVENTS SOUR MILK**

1. Kills Bacteria that Sour Milk.
2. Banishes Odors.
3. Keeps Equipment Eweet and Pure.

PREVENTS LIVE STOCK DISEASE

KILLS GERMS THAT CAUSE
CALF SCOURS, ABORTION, RETAINED AFTERBIRTH
OTHER HERD DISEASES

CHEAP TO USE **SOLD BY ALL DEALERS**

E. E. HOWLAND HARDWARE

EMMERICH'S ICE CREAM FACTORY

E. A. EMMERICH, Proprietor

Telephone 81

606 W. Main St., Merrill, Wis.

Trade At Your Home Merchants

WHERE YOU CAN SELL YOUR PRODUCTS FROM THE FARM

PETERMAN BROS. CO.

Dairying Is A Permanent Business

W. E. Bade

Dairying becomes a lifetime system of farming. It has progressed steadily and will long continue to do so. Dairying, like every other business, is subject to world influences and will have periodic depressions. These depressions however, are only temporary and hurt most those whose methods are faultiest. The good farmer does not quit dairying, but does a better job when conditions are bad.

Good cows are fundamental to success. Only cows, that at all times pay their way, should be kept. The low producer, the shy breeder, and the hard feeders, never find a permanent place with a good dairyman.

Good dairying demands a knowledge of the production and the feed consumption of every cow in the herd. "Weigh and test the milk," keep records weight the feed and know the cost are fundamental to success. Success in dairying demands a prompt disposal of the unprofitable cow, especially during periods of glutted milk markets.

Good bulls are as important as good cows. How good your herd is five years from now depends on how good your herd sire is today. A bull must have good type himself, this is absolutely necessary. A bull must be from a cow that is excellent individually and a heavy producer. The dairyman who persists in securing this type of bull will progress. The man who does not will be just where he always has been .

The calves must be well taken care of when young and kept in a thrifty and growing condition. The yearlings who are fast growing into cows must not be neglected. They must be fed to develop good size, plenty of bone, plenty of middle, strong frames, and a vigorous constitution. The dry cow must be well fed during the period between lactations. Good cows rebuild their bodies, restoring supplies of Vitamins, Minerals, and Vitality.

From birth to maturity, time and money has to be spent on the calves in order that they may produce milk profitably, after they come to milking age. A man may use the right sires, he may discard the culls, he may raise good heifers and yet fail, because he does not feed correctly. He must feed, not only for production, but to maintain health, and to secure good reproduction. Thus securing a profitable herd in the future.

SERVICE GARAGE

OSCAR J. BORCHARDT

RADIOS AND REPAIRING
SPORTING GOODS

HARRY A. CHILSEN

Phone 225 1027 E. Main

ALL STANDARD

STOCK and POULTRY REMEDIES

AT

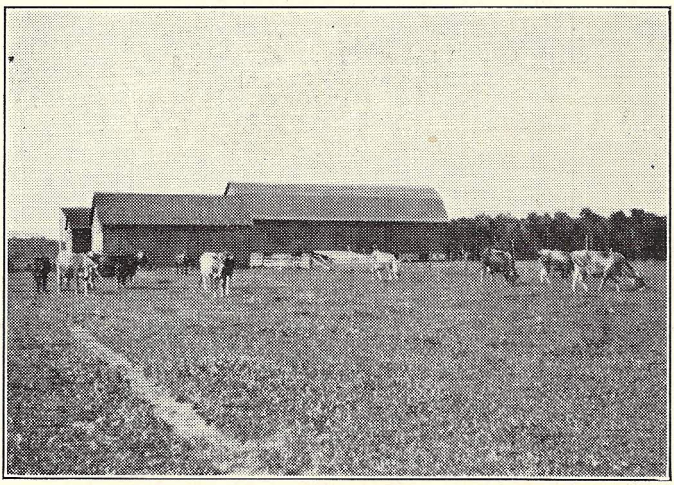
Kluetz Drug Store

PAUL GUTKNECHT

OSBORNE AND CASE FARM MACHINERY

110 Genesse Street
Merrill, Wis.

The HIGH HERD



The High Herd, owned by John F. Schultz, is a herd of 8 Registered and Grade Brown Swiss who finished the year with an average of 9212 lbs. milk with 389.9 lbs. butterfat.

Of these 8 cows, 4 produced 400 lbs. or more of butterfat, the highest, 477 lbs.

This herd was fed a grain ration consisting of 400 lbs of oats; 400 lbs. Barley; 200 lbs. Bran, and 100 lbs. Oil Meal, at the rate of about one pound of grain a day to each pound of butterfat produced in a week. The roughages consisted of mixed clover and timothy hay and corn silage. The total feed cost per pound of butterfat was 19 cents.

Such a record as this one represents years of breeding and culling with the best of care, and a knowledge of what the cows are doing as only can be obtained by weighing and testing the milk and keeping accurate records.

FARMERS FEED STORE

Wm. Zander, Prop.

GOLD MEDAL
"KITCHEN TESTED FLOUR"

and

and "Farm Tested Feed"

Telephone 929

BUY THE NEW CANDY BAR

SKEE SCOOTER 5¢

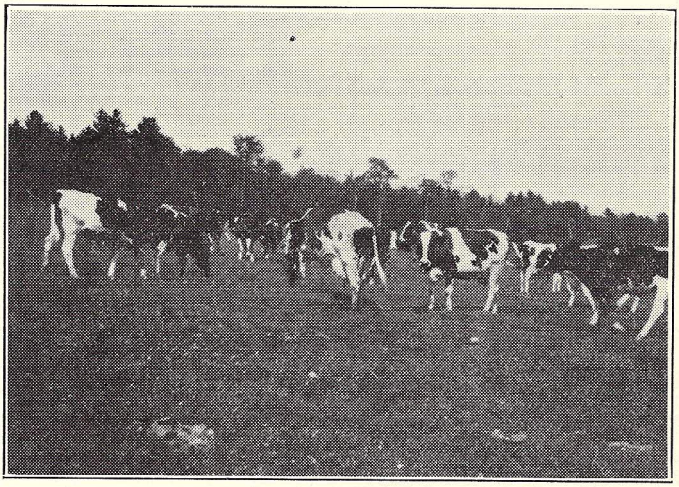
Merrill Candy Co., Mfg.

FRIED'S SALE STABLE

Good Place To Buy Your Horses

We also Buy All Classes of Cattle

The SECOND HERD



The second high herd in the Association for the year is owned by Christ Schneider. His herd of 19 Registered and Grade Holsteins produced an average of 10,371 lbs. milk with 387 lbs. butterfat. Eight of the cows produced over 400 lbs. of butterfat.

The herd was fed grain the year through. The grain ration consisted of 1,000 lbs. oats, 1,000 lbs. barley, 400 lbs. bran, and 300 lbs. oil meal. The cows received one pound of grain to 4 lbs. of milk produced. Mixed hay and corn silage constituted the roughages. The total feed cost was 20 cents per lb. of butterfat.

It may be interesting to note that this year's production is about 120 pounds a year more per cow than it was four years ago when this herd was first enrolled in a testing association.

WEISS WOOD PRODUCTS CO.

LUMBER AND GENERAL
BUILDING SUPPLIES

Merrill, Wisconsin
Telephone 322

CENTRAL SHOE STORE

Zander & Hafemeister

When in need of Footwear, see us.
Shoes for the Entire Family.

1020 E. Main Merrill

GUERNSEY'S

Your Golden Opportunity

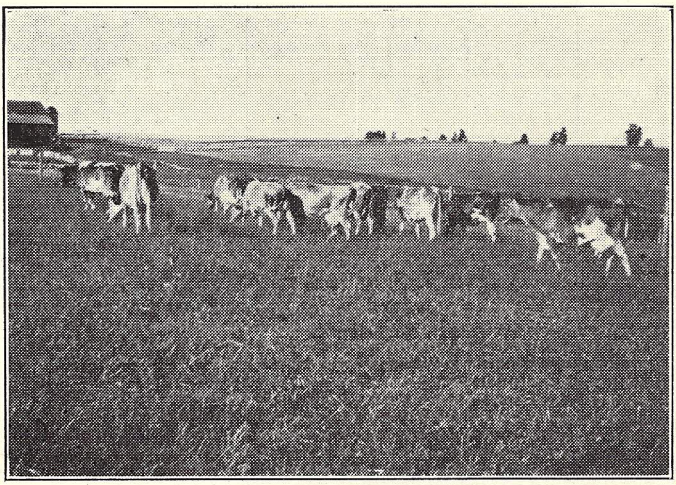
FOR GUERNSEY CALVES

See

HUGO H. SEMRAU

Merrill, Wis., R. 1

THIRD HIGH HERD



The Third High herd for the association year was Hugo Semrau's 11 Guernseys. This herd produced an average of 7862 lbs. milk with 372.2 lbs. butterfat.

Three of these cows produced over 400 lbs. of butterfat.

There were various rations used throughout the year. They all contained 15 to 16% protein. Mixed Hay and corn silage furnished roughage. The cost of feed per pound of butterfat was 17 cents.

One cannot help but notice that the Three High herds are all different breeds of cattle, and that there is but a difference of 18 lbs. between the third high and the highest herd average.

HONOR HERDS

Producing 300 or more lbs. butterfat average

	Milk	B. Fat
J. F. Schultz, No. 8, R. V. G. B. S.	9212	389.9
Chris Schneider, No. 19, R. V. G. H.	10371	387.0
Hugo Semrau, No. 11, G. G.	7862	372.2
George Schneider, No. 13, R. V. G. H.	9680	366.5
Geo. Parrott, No. 13, R. V. G. H.	9743	357.1

SEE OUR NEW

Studebaker Trucks

Priced At $695

For 1½ Ton and $895 for 2 Ton

Allen & Zander Co., Inc.

Rural Readers

OF THE HERALD

Advise the nearest correspondent of the Herald of happenings in your home or neighborhood.

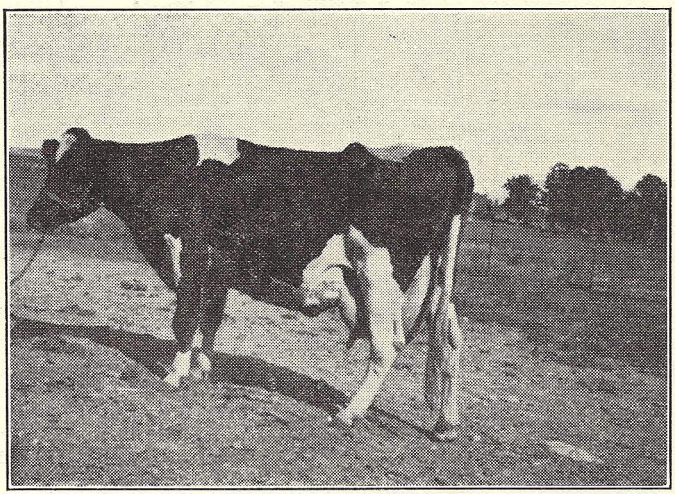
It is the nicest courtesy you can extend guests and visitors to have their activities recorded in Lincoln County's Daily Newspaper.

The Merrill Daily Herald

Telephone 277

Lincoln County Farm, No. 24, R. H.	9405	352.0
Fred Heidemann, No. 12, Mix.	8387	349.6
R. Robert, No. 16, Mix.	8562	343.4
W. E. Bade, No. 15, R. V. G. G.	6599	335.8
Ed. Henrich, No. 14, G. H.	8392	324.3
Herman Brandenburg, No. 13, Mix	7146	323.7
Matt Peterson & Son, No. 22, G. H.	8692	318.6
C. W. Miller, No. 16, R. V. G. H.	8968	318.5
Fred Gehrholz, No. 14, R. H.	8891	305.8
Mrs. J. F. Renken, No. 15, R. H.	8367	305.5

HIGH COW



The high cow for the Merrill Testing Association this year is Lady Ormsby Battels Segis (No. 826183) a Registered Holstein cow owned by the Lincoln County Home. This cow (Eartag No. 4) produced 13,394 lbs. milk with 498.1 lbs. butterfat, average test—3.7%. She was fresh March 19th, 1930 during the testing year and produced consistently during the whole year. She is a rather large cow, as is characteristic of all the cows in the Lincoln County Farm herd, weighing over 1,300 pounds.

Lady Ormsby Battels Seigs is sired by Asburn Paul Ormsby Segis, Reg. No. 306412, her dam was Lady Battels Segis, Reg. No. 153259.

The Lincoln County Farm herd has several cows, who are daughters of the same sire, who are good producers, and which the people of Lincoln County can be justly proud of.

LIVINGSTON'S

Merrill's Leading Dept. Store

Announces New Low Prices
For Fall Merchandise

HOLSTEINS!

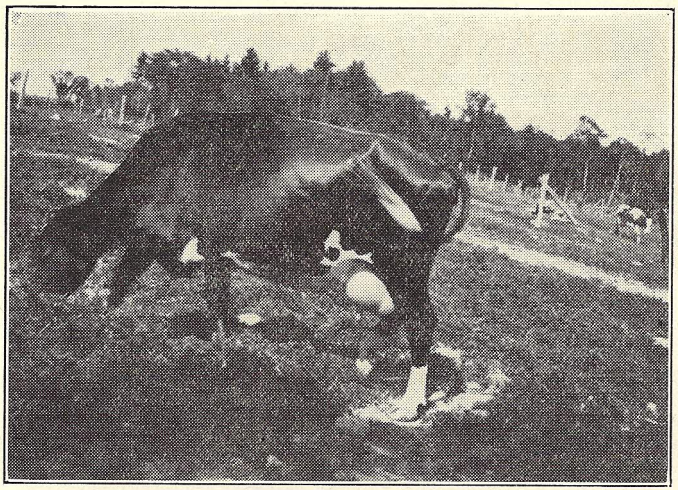
Quantity alone doesn't count. Test alone doesn't count. But the two combined does count.

You have both in the Holstein Breed.

Holsteins for Profit.

Chris. & Geo. Schneider

SECOND HIGH COW



The second high cow is a grade Holstein cow owned by Chris Schneider. The cow "Spiny," as she is named, produced 13,479 lbs. milk with 491.2 lbs. butterfat at the age of 9 years.

This cow, the result of years of breeding Good Purebred Holstein bulls with the common cows which Mr. Schneider found in this locality is an example of what can be accomplished by a continuous system of developing a herd of cows which will bring a reasonable profit above the cost of producing a pound of butterfat.

As an example, this cow produced 491.2 lbs. butterfat which sold for $250. The cost of feed was $96 for the year, as compared with $40 which is the average cost for this vicinity. But the returns above feed cost from this cow was $154 instead of $60 or approximately a hundred dollars difference.

Better cows is the only real farm relief which can be depended on to aid the dairy farmers.

Our LUMBER NUMBER—

259

BARKER LUMBER and FUEL COMPANY

Where The Customer Must Be Satisfied

Agents for DREW LINE BARN EQUIPMENT

A. F. LUECK & SONS

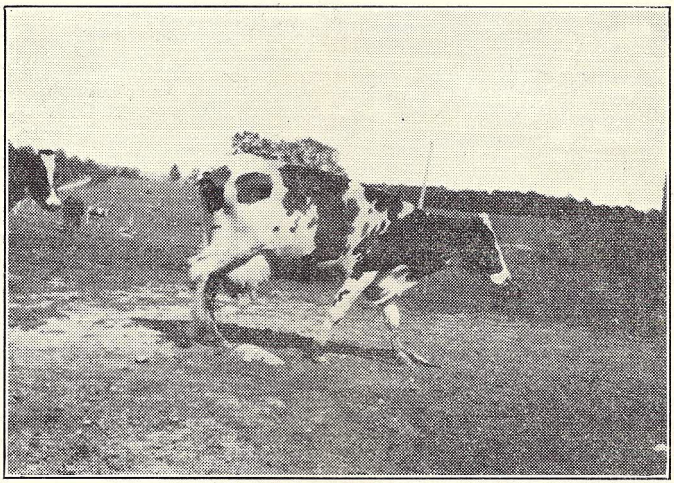
MERRILL, WISCONSIN

—Dealers In—

Oliver Chilled Plow Cultivators, Pulverisers, Disc Harrows, Spring Tooth Harrows, Minnesota Binders, Munro Side Delivery Rakes and Dump Rakes

For Good Machinery Come In and See Us

THIRD HIGH COW



The third high cow for the Merrill Testing Association for this year is a 5 year old cow "Topsy," owned by Chris Schneider.

This Grade Holstein cow produced 14,379 pounds milk with 480.4 lbs. butterfat for the year. The net returns above feed cost was $160. The feed cost being 17c per pound of butterfat.

This cow has one daughter of milking age 5, who as a 2 year old during the same period, produced 244 lbs. butterfat.

It may be noticed by glancing through this book that the three high cows were Holstein cows. One fact to keep in mind though is that there were twice as many Holsteins herds in the Association as any other one breed. To say or to try to prove that a certain breed of cows is superior to every other cannot be done to everybody's satisfaction. A dairyman usually has the best success with the breed of cows that he most enjoys to work with.

McCORMICK-DEERING

Ball-Bearing Cream Separators



make cream checks BIGGER with less work

YOU can pick your cows carefully, feed them properly, and be rewarded with great pailfuls of rich milk—but this does you little good if you let precious butter fat run out the milk spout of your cream separator.

Make sure of your full share by replacing the old cream-waster with a new McCormick-Deering Ball-Bearing Cream Separator. The McCormick-Deering dealer near you sells six sizes—for 1 cow or 100—in hand, belted, and electric drive. Ask for a demonstration.

Send for our illustrated folder on cream separators.

INTERNATIONAL HARVESTER COMPANY
OF AMERICA
(Incorporated)

606 So. Michigan Ave. Chicago, Ill.

Summer Feeding

Geo. Schneider

If the dairyman of today wishes to make money in the dairy game; it is necessary that he discard the old practices and adopt the latest and best methods. Those who hold to the old system are doomed.

There was a time in the not so long ago, when the dairy herd had to gather all or most of its feed from the first signs of spring until the first snows of winter. But this time is gone to all good dairymen. It is absolutely essential that a milking herd receive concentrated feeds during the summer months. The better the cows, the more feeds they must have.

Pasture, of course, is of vital importance to all dairymen. And it should be given more consideration than ever before, because milk is produced at the lowest cost when good pasture prevails. The dairy herd should be kept off the pasture until the grass is several inches high, and has outgrown its first watery stage. Many dairymen make just this mistake by turning the herd on to pasture too early and thus cut down their returns from the herd, not only for the early summer, but for the whole grass season.

The first several weeks on good grass, cows will refuse all barn feeding. However, as soon as they will eat again they should be fed a good balanced ration, for, good producing cows cannot secure from grass alone sufficient nutriment to maintain good producing and bodily condition. A good producing cow, in order to gather from pasture in the hot summer months, enough grass to satisfy the nourishment her need demands would need a mouth as wide as a lawn mower and would have to work it continuously twenty-four hours every day.

Grasses are high in moisture and protein. They furnish minerals and Vitamins. But they are deficient in carbohydrates and fats. These are, then necessarily best supplied by a good grain ration. When in the best grass months, the grass is sappiest, the high protein feeds in the ration may be cut down somewhat. But as summer advances and grass ripens and becomes starchier in nature the protein contents of the ration should be increased.

The dairyman, who has adopted the method of grain feeding his herd on grass and gives his cows reasonable care in the barn in winter, is the man that is making the dairy game pay.

THE BOYS THAT GIVE YOU SERVICE

MERRILL OIL CO.

DISTRIBUTORS

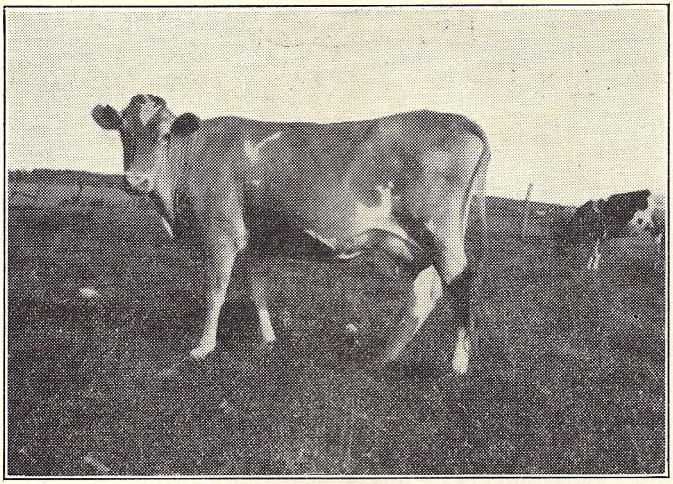
PURE OIL PRODUCTS—MOBIL OILS
JOHNSON'S ETHYL

COMPLIMENTS

WISCONSIN VALLEY ELECTRIC COMPANY

BYLLESBY
WISCONSIN VALLEY ELECTRIC CO.
PIONEERS IN PUBLIC SERVICE

High Two-Year Old



The high two-year-old (Heifer) for the year is Russell Roberts' Grade Jersey "Pet." This cow, weighing approximately 850 pounds, during the testing year produced 6,494 pounds milk with a 6.0% average test, making 393.5 pounds of butterfat. She was fresh for the second time on January 19, 1930.

A production such as this, is probably the most remarkable individual record in the Association. Most breeders consider that a heifer produces two-thirds as much as she will do when she matures. It must also be kept in mind that "Pet" is not only a high producing cow, but that she also gets proper care so that she has a chance to show her metal.

DOUGLAS FEEDS

FOR EXTRA PROTEIN MEANS MORE PROFIT

Good cows will return a profit on all the feed they will eat when the ration is a good one.

The Purdue Experiment Station (Bul. 277) selected five cows of average dairy confirmation, representative of thousands of cows throughout the State, and upon which records were kept for the preceding year. These cows were taken to the station farm and fed more and better rations with the following results:

1. They made 71% increase in milk production.
2. This increase was at a profit, for the income above feed cost was increased 74% while the feed cost was increased only 65%.
3. These cows returned $2.01 for each additional dollar spent for feed.

Feed the best—balance your home grown grains with

Sweetened Douglas Corn Gluten Feed *and* Douglas Corn Gluten Meal

Sweetened Douglas Corn Gluten Feed 20% Protein

Contains just enough molasses to flavor the entire ration and keep the cows in the pink of condition. Also an excellent way to get molasses into the poultry mash.

A GOOD RATION TO USE IS

Corn Gluten Meal	100 lbs.
Sweetened Corn Gluten Feed	100 lbs.
Oats	500 lbs.
Corn	400 lbs.
Bran	300 lbs.

Total digestible protein 13½%. (To be fed with high protein roughage).

Douglas Corn Gluten Meal 40% Protein

This highly digestible corn protein feed is always reasonable in price and is a perfectly safe supplement to use at all times and is a wonderful milk maker.

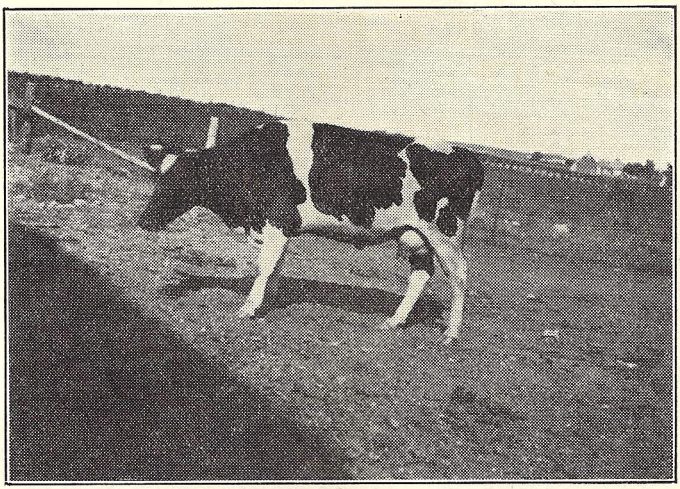
Your local feed dealer can supply you, or write for further information to

Feed Department

PENICK & FORD SALES CO., Inc.

Cedar Rapids, Iowa

Second High Two-Year Old



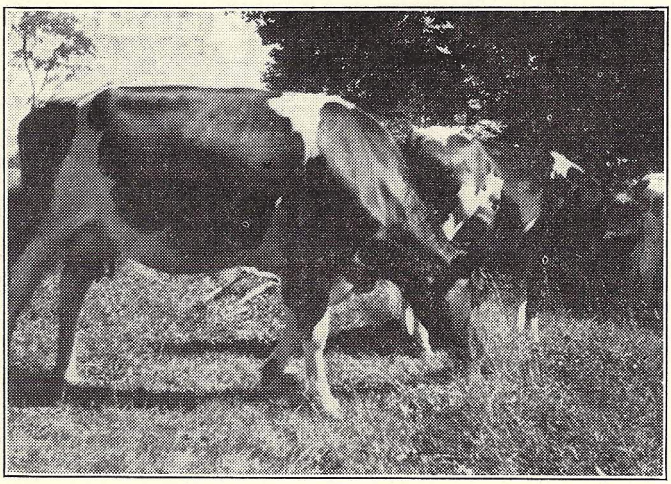
The second high two-year-old is owned by the Lincoln County Farm. This cow, a Registered Holstein, "L. C. Ormsby Segis Lady," No. 1,112,465 produced 9,919 pounds of milk and 332.8 pounds butterfat, having a 3.4% average test.

This cow is sired by "Pabst Creator King Zank" No. 407,001 and her dam is L. C. Parthena Ormsby 864,287.

Her Eartag number in the Lincoln County barn is No. 28. She freshened for the first time, during the testing year, on June 21, 1929.

No. 28 is one of a group of several cows from the same sire. All of these cows are good producers, most of them produced over 300 pounds of butterfat during their first lactation.

Third High Two-Year Old



The third high two-year-old is owned by Russell Robert. His cow, "Min," produced 7,221 pounds of milk and 306.3 pounds butterfat with a 4.3% average test. "Min" freshened September 20, 1929 and consequently was included in the herd test for only eight months. She is a grade Holstein cow and weighs 900 pounds.

"Min" shows the effect of hereditary high production since her dam was high cow for three consecutive years in the Cow Testing Associations of Marathon County.

Knowing accurately a cow's production so that a person may select calves to raise from only the best cows in the herd, thus continually improving the herd is one of the most important benefits of Cow Testing Associations. For this reason it is necessary to know every cows production not only for one or two years but all the time. As has been shown repeatedly, only those dairymen who keep tab on their cows year in and year out develop herds which produce milk profitably.

HONOR COWS

Cows which produced 400 or more lbs. butterfat

Owner	Name of Cow	Breed	Lbs. of Milk	Lbs. B. Fat
Hugo Semrau,	Panzy, age 9,	G. G.	9684	458
Hugo Semrau,	Topsy, age 4,	G. G.	9287	406
Hugo Semrau,	Belle, age 3,	G. G.	8464	437
Fred Gehrholz,	Barbetta, age 10,	R. H.	11,664	400
Mrs. J. F. Renken,	Flower, age 8,	R. H.	10,973	412
Mrs. J. F. Renken,	Bess, age 4,	R. H.	10,323	404
Lincoln County Farm,	No. 4, age 6,	R. H.	13,394	498
Lincoln County Farm,	No. 83, age 8,	R. H.	11,098	425
Lincoln County Farm,	No. 9, age 9,	R. H.	11,465	419
Lincoln County Farm,	No. 10, age 6,	R. H.	11,578	424
Lincoln County Farm,	No. 20, age 4,	R. H.	12,350	452
Lincoln County Farm,	No. 26, age 3,	R. H.	10,716	442
Geo. Parrott,	Nigger, age 5,	R. H.	12,947	441
Geo. Parrott,	Sadie, age 4,	R. H.	11,068	440
Geo. Parrott,	Pauline, age 8,	R. H.	11,383	411
J. F. Schultz,	Spooner, age 9,	R. B. S.	11,848	457
J. F. Schultz,	Fern, age 6,	R. B. S.	10,448	439
J. F. Schultz,	May Green, age 5,	R. B. S.	9368	400
J. F. Schultz,	Lily, age 6,	G. B. S.	8,880	477
Matt Peterson & Son,	No. 17, age 7,	G. H.	10,382	422
Fred Heidemann,	Nigger, age 1,	N.	10,485	404
Fred Heidemann,	Bessie, age 7,	N.	9,302	409
Chris Schneider,	Spiny, age 9,	G. H.	13,479	491
Chris Schneider,	Pattie, age 7,	G. H.	10,374	422
Chris Schneider,	Daisy, age 6,	G. H.	11,730	401
Chris Schneider,	Lily, age 5,	G. H.	10,717	421
Chris Schneider,	Topsy, age 5,	G. H.	14,379	480
Chris Schneider,	Bessie, age6 ,	G. H.	11,671	432
Chris Schneider,	Kate, age 6,	G. H.	10,532	443
Chris Schneider,	Mary, age 5,	G. H.	9,784	405
Geo. Schneider,	Pattie, age 5,	G. H.	10,720	424
Geo. Schneider,	Beauty, age 7,	G. H.	11,797	472
Geo. Schneider,	Elmarch, age 4,	R. H.	11,569	421

Grow Legume Hay

By W. E. Bade

Alfalfa, soybeans, clover, peas, and oats and peas, in the order named, unquestionably provide the most desirable kind of hay for dairy cows. They are high in value of supplying protein and rich in mineral matter, especially calicum. These feeds reduce the amount of expensive protein concentrates required and make it comparatively easy to provide properly balanced rations.

Hay is an expensive item in the ration and every effort should be made to grow, cure, and store a supply that will prove most satisfactory.

Good alfalfa hay is generally placed at the head of the list of food for dairy cows on account of its high protein content and because of its palatability. Because of the large yield of alfalfa per acre, a large acreage should be grown on every dairy farm.

Though alfalfa hay is the best of all hays for dairy cows, it must be remembered that it is a roughage and not a concentrate. The statement is often made that alfalfa hay or alfalfa meal is fully equal to wheat bran in feeding value. This is not true under most conditions for, alfalfa hay contains three or four times as much fiber as bran, consequently a hundred pounds of alfalfa hay does not furnish as much digestible nutrients as a hundred pounds of wheat bran.

All clovers provide excellent roughages for dairy cows. On most farms where a considerable acreage of timothy is grown, it would be far more profitable to grow more clover in well planned rotations.

Alfalfa somewhat excells clover for hay on account of its larger yield and also because it is richer in protein. Alfalfa hay contains 10.6 pounds of digestible protein to the hundred pounds, while clover furnishes 7.6 pounds, clover is, however, far ahead of timothy which supplies only 3.0 pounds.

Soybean hay is well liked by dairy cows and furnishes about as much protein as alfalfa. It is usually not worth quite so much per ton as alfalfa as there is more waste in feeding it. But the stems left over by the cows are cleaned up nicely by the horses if fed to them. If clover or alfalfa winterkill, soybeans will meet the emergency and provide an excellent legume hay that same season. There is no reason for any dairyman not having a good supply of leguminous hay for his dairy herd.

The popular combination of oats and pea hay makes a good roughage for dairy cows. Field peas are even richer in protein than alfalfa hay. Oats and pea hay usually furnishes more digestible protein than red clover hay although it is not so palatable.

Another thing that must not be overlooked when considering whether or not to raise legumes, is the fact that nitrogen-fixing bacteria, which only work when attached to the roots of leguminous plants, will gather nitrogen from the air and store it in the soil, thereby the soil where legumes are grown are richer in protein after a crop has been raised than before.

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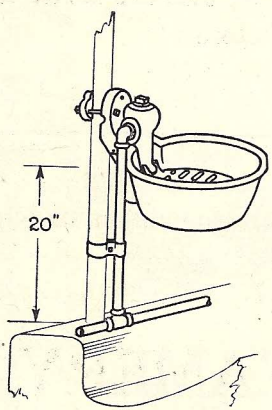


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A POUND A DAY

Cows in the Association who produced a pound of butterfat a day, other than those who produced 400 lbs. for the year.

Owner	Name of Cow	Breed	Lbs. of Milk	Lbs. B. Fat
R. Robert,	Pet, age, 2,	G. J.	6,494	393.5
R. Robert,	Spot, age 9,	G. H.	12,266	398.3
R. Robert,	Mary, age 5,	G. H.	12,558	382.2
R. Robert,	Mable, age 9,	G. H.	9,327	366
Hugo Semrau,	Rose, age 9,	G. G.	8,045	373
Hugo Semrau,	Molly, age 3,	G. G.	7,646	382
Hugo Semrau,	Flora, age 5,	G. G.	7,334	392
Fred Gehrholz,	Bertha, age 14,	G. H.	9,990	367
Mrs. J. F. Renken,	Miss Creation, age 8,	R. H.	9,772	374
Lincoln County Farm,	No. 14, age 6,	R. H.	9,120	375
Lincoln County Farm,	No. 73, age 4,	R. H.	11,131	399
Lincoln County Farm,	No. 21, age 4,	R. H.	9,924	369
Lincoln County Farm,	No. 23, age 3,	R. H.	11,047	388
Herman Brandenburg,	Pickle, age 10,	N	9,923	367
George Parrott,	L. Barbetta, age 7,	R. H.	11,915	391
George Parrott,	Betty, age 3,	R. H.	10,064	377
George Parrott,	Fanny, age 4,	G. H.	10,096	372
J. F. Schultz,	May, age 11,	G. B. S.	10,025	390
G. P. Kraft,	Edna, age 8,	G. H.	10,412	367
Matt Peterson & Son,	No. 11, age 8,	G. H.	10,099	366
Matt Peterson && Son,	No. 12, age 11,	G. H.	10,360	388
Matt Peterson & Son,	No. 13, age 11,	G. H.	10,590	390
Matt Peterson & Son,	No. 20, age 7,	G. H.	9,845	366
Carl Karau,	No. 6, age 4,	G. H.	9,002	370
Carl Karau,	No. 12, age 6,	G. H.	8,888	389
Fred Heidemann,	Flora, age 5,	N	8,951	396
Fred Heidemann,	Brownie, age 7,	N	10,527	387
Fred Heidemann,	Lily, age 6,	N	9,093	380

C. J. Travis, June Rose, age 6, R. J.	6,441	379
Chris Schneider, Bonnie, age 9, G. H.	11,310	372
Chris Schneider, Laudie, age 6, G. H.	9,950	398
Chris Schneider, Martha, age 4, R. H.	9,529	366
Chris Schneider, Nancy, age 3, G. H.	9,399	383
Chris Schneider, Ruth, age 11, G. H.	13,041	397
Geo. Schneider, Nigger, age 8, G. H.	10,191	384
GeGo. Schneider, Spot, age 8, G. H.	10,863	373
Ed. Henrich, Whitey, age 5, G. H.	9,249	366
W. E. Bade, Pearl, age 4, R. G.	7,017	371
W. E. Bade, Molley, age 4, G. G.	7,911	370
W. E. Bade, Belle ,age 10, G. G.	6,471	375
C. W. Miller, Bessie IV, age 4, G. H.	10,082	372
C. W. Miller, Fergy, age 6, G. H.	9,986	380

The tester was visiting the farm in the course of his duties and was talking with 3 year old Willie whose father had some Holstein and some Guernsey cows.

Willie:—What kind of cows have you got?

Tester:—At home we have Jerseys.

Willie:—(Much surprised) Haven't you got any cows?

A man went fishing one day and when he got to the river he was much dismayed to learn that he had forgotten his bait. Looking around for something to use he found a snake who was trying to swallow a frog. He promptly put his foot on the snake and took the frog. But before he let the snake go he thought the snake looked so disappointed that he took out his bottle and put a few drops of whiskey in the snake's mouth. Sometime later when he was lazily watching the bobber he felt somebody nudge his back as though to attract his attention. He turned around and there was the snake with another frog.

He who smiles and laughs away
The little trials of life today
Will live to smile and laugh away
A greater trial another day



Facts From Wisconsin Associations

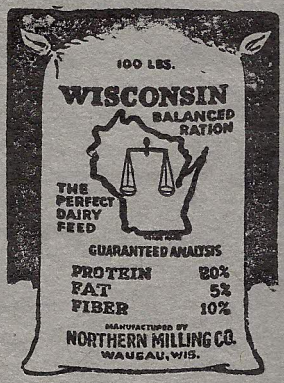
Our last census shows that there were 1,944,000 producing dairy cows in Wisconsin. Their present average production is 5,413 pounds of milk containing 210 pounds of butterfat with an average test of 3.88 per cent.

Twenty-five years ago the average cow in this state produced about 1,400 pounds less milk and 50 pounds less butterfat. The average DHIA cow produces 76 pounds more butterfat per year than she did twenty-one years ago when the first association was started.

About three and three tenths per cent, (3.3), of the cows of milking age in Wisconsin are on test in associations at present. Fully twelve per cent of all living cows in Wisconsin today have association records.

Our AIM is to have our average Wisconsin cow produce at least 300 pounds of butterfat per year instead of only 5,413 pounds of milk and 210 pounds of butterfat, the present average. Our average Wisconsin D.H.I.A. cow in 1929 produced 301.1 lbs. fat.

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---and THIS FOR YOUR FLOCK

EGG MAKER MASH

No poultryman knows the wonderful possibilities for egg production of his flock until he has fed EGG MAKER MASH for a season.

Every sack seems to be just chock-full of eggs. The more you feed the more they lay. Start your flock of pullets on this good mash now and watch your income grow.



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Ever since their invention in 1878 De Laval Separators have been supreme in every feature of cream separator practicability.

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De Laval "Golden Series" separators for those who want the best and most efficient machines and lowest long-run cost. "Utility" series separators with the same bowl and gearing and equally efficient but different in a few external features. The "Junior" and "Europa" series for those wanting De Laval quality in smaller capacity machines at a lower initial cost. All of these machines backed by the same De Laval service.

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The De Laval Magnetic milker—like the world-famous De Laval separator—is the leader in its field and is making a great name for itself for perfection of milking, ease of handling and cleaning and in reliability and satisfaction.

The same fundamental principles which placed the De Laval milker in a class by itself are retained and improved and bettered in the new Magnetic milker. This wonderful new milker is far more simple to install and operates with minimum power.

The new Utility milker, with automatic type pulsator, is also the best in its field and units are available for pipe lines already in use.

Both types of milkers are safe, fast and dependable and worthy of the name De Laval.

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