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"FEEDING FOR PROFIT" is the most comprehensive booklet on Molasses feeding ever published: 28 pages packed with facts, not claims... backed by practical experience and scientific authority. Yours on request. Mail postcard, letter or coupon below.

Hawaiian

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Please send booklet to:

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Address
Bob Lazear says in a letter to us enclosing Pure Ann's picture... "Here is a reproduction of the picture of your heifer which we had in our catalog. This is absolutely un-retouched with no straw to stand in. Personally, I think this comes much closer reflecting the true characteristics of this fine heifer than one of these overdone, retouched, so-called 'professional' photographs... when all is said and done, WHR Pure Ann 2nd may be just as good a breeding cow as the famous $20,000 Lady Lill."

This is WHR Pure Ann 2nd. We purchased this wonderful heifer at the last Wyoming Hereford Ranch Sale for $4000.00.

SHE IS BRED TO THE GREAT WHR HELMS-MAN 3rd... Grand Champion at the Denver Show 1945...
THE first reason for the widespread popularity of Franklin Blackleg Bacterin is the fact that its use eliminates practically all hazard of loss from blackleg.

The second reason is the convenience of handling the highly concentrated Franklin product whereby the major immunizing elements of more than 10 cc of whole culture bacterin are condensed into a SMALL, powerfully potent 1 cc dose.

Calves are too valuable these days to risk—so vaccinate early, and don't let a slightly higher cost prevent you from using a vaccine that through 25 years of ever increasing use has earned the reputation of being thoroughly dependable.

10c a dose—less in quantity

Double Protection is provided by FRANKLIN Clostridium Chauvei Septicus Bacterin without extra cost by combining a full dose for Blackleg with a full dose for Malignant Edema.

Defeat Abortion For a high degree of resistance against Bang's Disease use Franklin Brucella Abortus Vaccine. Produced from Strain No. 19 under exacting tests for purity and potency.

FRANKLIN Blood Stopper Stops bleeding—prevents infection—highly efficient in dehorning, castrating and shear cuts, etc.

In powder form.
A
LTHOUGH OUR COMPLETE VICTORY in Europe appears to be just a matter of days or weeks, there is mounting evidence that the demand for food will continue very great for many months after the Germans have been defeated. Not only will we have much larger forces engaged in the Pacific, but it seems necessary for America to send huge supplies of food to western Europe if we are to win anything like a permanent peace. Hungry people are not good citizens. Hunger has started revolutions and wars and we'll have to head off this menace in Europe if we are to win anything like a permanent peace. Hungry people are not good citizens.

Thus in looking into the future, at least through the present year, the contention of economists that prices for livestock will continue at ceiling levels appears to be well founded.

We'll have more cattle going to market in 1945 than ever before as indicated by the record breaking cattle slaughter for the first three months of the year. But we'll have much less pork and less lamb and mutton. In total pounds, there will be far less meat marketed in 1945 than in 1944.

The huge decline in pig production is responsible for our present meat "shortage." During the first two months of 1944, our total meat production under Federal meat inspection totaled 4,210,024,000 lbs.; in the first two months this year, total meat production was only 3,037,450,000 lbs., a decrease of 1,152,564,000 lbs. or about 28%. Yet there was an increase in the number of pounds of beef, veal, lamb and mutton over a year ago. The decrease of 1,263,902,000 lbs. in pork is the entire cause of our meat shortage.

Reasons for the sharp drop in pork production are three-fold: (1) official over-optimism in 1944 over an early ending of the war in Europe; (2) shortage of concentrates for the huge pig crop last year; (3) bungling and inefficiency in the OPA which failed to rescind its order for lower hog floor and ceiling prices until farmers had sold millions of sows and gilts.

While there may be some government action to encourage feeding of hogs to heavier weights, it seems likely that no matter what is now done, there will be a serious meat shortage in the United States for another year. This, of course, presumes a continuation of heavy government buying of meats for the armed forces and Lend-Lease.

Five-day-old colt by Hedlite at the home of Mike Morgan, owned by Mary Smith of Camarillo, Calif.

Our Cover Page this month features "Grass Beef." It is an appropriate recognition for the millions of range cattle, just now beginning to move to market. The movement from the early ranges in California will start the procession of range cattle to market and feedlot, then will come the cattle from the higher elevations and colder climates in other range states, culminating in the usual heavy fall movement.

With good grass growing conditions in much of the range...


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* "Bill" Smaile, Editor Horse Department

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Page 5
Phenothiazine makes them grow

It means money in your pocket and more rapid gains on your cattle if they don't have worms. And the "nearest ideal" remedy to control worms is Phenothiazine, says the U.S. Department of Agriculture. It's also effective with sheep and hogs as well as cattle.

One of the big advantages of Phenothiazine is that you can feed it, mixed with grain or ensilage. That avoids handling the animals. But Phenothiazine can also be used as a drench in boluses and pellets.

Du Pont makes the Phenothiazine

Ever since the value of Phenothiazine was discovered, Du Pont has worked hand in hand with scientists and suppliers of livestock remedies to help farmers and ranchers get the greatest benefit from this remarkable drug. Your regular dealer can give you more facts. Ask him for worm remedies that contain Du Pont Phenothiazine.

Write for a free copy of "Controlling Internal Parasites in Cattle with Phenothiazine." E. I. du Pont de Nemours & Co. (Inc.), Grasselli Chemicals Dept., Wilmington 98, Delaware.

country, it seems probable that a larger than usual proportion of range cattle will fatten on grass this year, and will thus go into immediate beef channels. Cattlemen started cutting down their breeding herds last year and most certainly will continue to sell cows and heifers this year. Most of this shorthorn will go into beef. Unsatisfactory margins may be expected to check feedlot finishing of cattle this year, but another bumper grain crop in the United States might encourage increased cattle feeding.

But any way you figure the deal, it seems certain that there will be the largest movement of range beef to market in all history—and no one can justly complain of the quality and flavor of fat grass beef.

Range men should have another profitable year, for the huge shortage in pork production, coupled with extraordinary wartime demand for meat may well be expected to force buyers to pay full ceiling prices throughout the year.

The Early Spring Lamb Crop will be the smallest in volume in less than a decade. Every western state reports a continued decline in lamb and wool production, the result of labor shortages, and a series of government regulations which discouraged production; ceiling prices on wool and lamb at levels which growers say were below costs of production; heavy importations of foreign wool; foolish quota restrictions limiting the slaughter of packers who were best able to handle the 1943 lamb crop. The fact that lamb and wool production has declined so sharply emphasizes the contention of wool growers that they have been badly treated by the bureaucrats.

Seventh War Loan Drive starts next month and continues through June. There is every reason why we should all enthusiastically buy War Bonds regularly and during the big drive. We are nearing the victorious end of the war—but our fighters need everything we can supply them with to make the mighty finish punches on the Germans and the Japs. That is the patriotic reason for buying more War Bonds.

But it's good business to invest in War Bonds. There are scarcities in nearly all of the essentials we want to buy, and it will be a long time before we can hope to have the luxuries and new gadgets that will be available a few years after the war. But by putting cash into War Bonds now, we can buy the things we will want and will need when supplies are again available.

American agriculture has been solidly behind every War Loan Drive. American farmers bought more War Bonds during the first six of them than was the total money value of crops for the period from 1930 to 1939, according to M. L. Predmore, chief of the Agricultural Division of the War Finance Division of the Treasury. Final figures are expected to show that American farmers bought more than four billion dollars' worth of War Bonds, thus putting American agriculture in the strongest financial position in all history. It means that farmers and stockmen will have a huge amount of cash above current income with which to modernize farms and homes in the peaceful days which will follow the final defeat of the Japs.

Donald E. Lenhard of Moundsmere Farm, Deer Park, Wash., is now home for the Aberdeen-Angus Show and Sale at Spokane last week and had the thrill of his life when his bull was named grand champion and brought $1,700, second top price of the sale. The bull is Black Rusty of Moundsmere by Blackcap Royal at 3d.

We believe every range man, and especially cattlemen in the Southwest, will find the article telling how Australia whipped the prickly pear cactus problem of special interest. We are indebted to Edwin L. Stanton, who has large cattle interests off the California coast, for bringing to our attention the splendid work which has been done in Australia in eliminating prickly pear from range land.

Mr. Stanton has been carrying on a one-man war against prickly pear and he is just beginning to get the support of government officials, as well as the intense interest of the comparatively few range men and livestock association secretaries he has been able to contact.

He points out that the present AAA allowed us $5 an acre for clearing land of prickly pear cactus would probably be ample to finance the Australian program.

Now may we suggest that range men who have witnessed the encroachment of prickly pear on their own land, read what Australian scientists have accomplished. The next step is to attract the attention of Congressmen, Forestry and Interior Department officials, the Agricultural Adjustment Agency, livestock associations and state officials.

Recent Action by the Federal Bureau of Animal Industry, authorizing licensed biological supply houses to recommend use of Strain 19 for adult cattle, under the Bureau's limitations, including that it shall not be used for cows more than four months pregnant.

Studies made in range beef herds show that in many cases, low percentage of calf crops has been due more to presence of Bang's disease than because of other factors. Range men could well give much thought to the vaccination of entire herds as a means of sharply increasing calf crops, after full discussion with a good veterinarian.
TRUE TRUCK ENGINEERING

Powerful truck engines—Six chassis types—for 95% of all hauling jobs.

FAMOUS FORD FEATURES
- Service ease... all chassis units readily accessible, hence—
- Low maintenance cost.
- Universal service facilities.
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- Powerful hydraulic brakes—exceptionally large cast drums.
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TRUST your own good judgment when it tells you your next truck ought to be a Ford. Millions of men who farm will agree with you.

There isn't a farm hauling job that Ford trucks haven't faced and licked. There's hardly a road or a lane in America that Ford wheels haven't marked. And there isn't a truck built that has won so many firm friends. Official registration figures prove it, year after year.

Whatever your experience tells you is the most important thing to look for in a truck for farm service, measure what Ford offers you in that respect. Is it power? Ford's 100-horsepower V-8 engine is ready for your biggest job. Is it reliability? Where can you match Ford's forty-year fame for faithful performance? Is it economy? Ford thrift is acknowledged wherever wheels roll. Is it service-ease? There's rarely more than a very few miles between you and authorized Ford Service. Is it safety? Ford hydraulic brakes are BIG, and you'll recall, pioneered safety-glass as standard equipment.

- Under government allocation, present production of Ford Trucks is necessarily limited as to types, equipment and quantities for essential civilian needs. See your near-by Ford Truck dealer for free counsel in obtaining official certification of your requirements.

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You can't beat Steel for PROTECTION

WHEN barns and sheds are snug and warm, cows give more milk, chickens lay better and livestock stays healthier.

Steel offers the most protection at the lowest cost. Crops keep dry, machinery is protected against rust. For severe northern winters, steel buildings can be easily insulated to maintain adequate temperatures for best milk and egg production.

For protection against fire, lightning, rain, wind and all kinds of rodents, steel can't be beat. No other material does so many jobs so well. Need roofing repairs? See your dealer. Chances are you can get some U-S-S Roofing or Siding Sheets. However, there still may not be enough for new installations.

GET THESE FREE PLANS
You can get free plans for buildings you can erect yourself, such as cattle shelters, machinery sheds, poultry brooder houses and range shelters. Ask your U-S-S Dealer to order the plans you want. Or write: Columbia Steel Company, 1422 Russ Building, San Francisco 6, Calif.

News Letter from the NATION'S CAPITAL

By FRED BAILEY

Or even the Presidential edict banning inter-agency rowing, nor the military security cautioning of Army officials, could keeps under cover the blow-up that finally came between the Army and War Food over food allocations.

The dispute became so hot that, when neither WFA nor the Army would budge, War Mobilization Director James F. Byrnes was forced to step in and set up an inter-agency committee on foreign shipments. That, however, did not end the squabbling within the government over food supplies.

The facts are, civilian food officials simply do not believe that the increased demands by the military forces—chiefly for civilian feeding in Europe—can be met without placing too severe a pinch on American civilians.

The scrap centers around meat allocations, but also includes other foods. The WFA asked the Army to reduce its meat orders by 300,000,000 pounds a month during April-May-June in order to hold, during the low slaughter season, civilian meat supplies at approximately the present rate of 125 lbs. per person for the year.

The Army insisted, however, on maintaining purchases at the winter rate and declined to draw on reserve stocks during the spring and early summer. It also rejected a WFA suggestion that the cut now be made up by heavier takings next fall.

The WFA, of course, does not think that the military needs all the food it has ordered. Army orders, it is pointed out, have been increased by 15% to 20% since the Yalta conference in which European food needs were discussed.

But the WFA cannot argue that point too strongly because they do not know what military requirements are. They do not know what portion of the increase is needed by American and allied nations' armed forces and what portion is to be accumulated for feeding conquered Germans.

The Army, so far at least, has kept its own counsel as to what it intends to do with the food. The fact, however, that WFA chief food distributor Lt. Col. Ralph Olmstead is slated to become food administrator of Germany is a strong hint as to what the Army intends to do there.

The demand for beef and other meats
at the Ranch

Lodge Grass, Mont.

55 HEAD

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Have Been Selected for
This Outstanding Sale Event

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• 5 BRED COWS
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Our 1944 First Prize Get of Sire
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Each a Top Place Winner Sell!

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BOB TEALE, Western Livestock Journal
SI WILLIAMS, Sale Publicity

JACQUES SMENTS
Herdsman

JOHN RICE,
Lodge Grass, Mont.

Watch for announcements: Monforton Sale, June 2; Bar 13 Sale, June 4; Bear Claw Ranch Sale, June 6
SALT Free Choice* SAVES PROTEIN

More Profit from Livestock Depends Upon Salt

Free Choice*

Protein Makes Beef
On a dry matter basis, a growing steer is 49% protein. Salt helps digest protein, makes feed go farther.

T he owner of a champion beef once remarked: "This calf has never been hungry in its life." This "hunger" applies to salt as well as to feed. Without sufficient salt cattle will not eat, digest, and assimilate their feed so as to make the most profitable gains.

Salt the Most Essential of All Minerals

Salt merits this importance because of its close relationship with protein, one of the basic substances of life. Protein is the chief ingredient of every cell. It forms the connective tissues. It is one of the chief elements to feed. Without sufficient salt cattle will not eat, digest, and assimilate their feed so as to make the most profitable gains.

Salt Free Choice* Saves Protein

Of course, "feeding salt to livestock" is nothing new. Most farmers have been doing it for years. But few of them feed enough or feed it in the right way. Livestock differ in their need for salt. Some want more than others—they need more. For best results salt should be fed FREE CHOICE*. In that way each animal can take all it wants and you know that your livestock are getting enough for health and thrift, for low feeding costs and most profitable use of the expensive proteins you feed.

Because the need for salt is a continuous one, especially when animals are eating, establish salt stations around your farm, not only in the barnyard, but also in the pasture, in the fields, along the creek, wherever livestock gather and feed Morton's Salt Free Choice*.

FREE Valuable Book on Feeding Salt

It will pay you to have a copy of this authoritative 32-page book, the most complete ever published on feeding salt to all livestock. Explains the importance of salt in the animal diet... how best to feed salt... gives plans for making salt boxes for FREE CHOICE* feeding. Mail your request to Morton Salt Company, 810 S. Michigan Ave., Chicago 4.

*Salt Free Choice means having salt before your animals all the time, so that they can eat as much or as little as they want.

will continue at least through this year to exceed the supply, regardless of how much is sent to Europe for relief feeding.

What the WPA fears more than actual over-all civilian shortages is that distribution will become so spotty that civilian efficiency and morale may suffer in some areas because of bare meat counters next spring and summer.

There is considerable talk in official circles on proposals to force all commercial slaughter houses handling more than a certain minimum number of meat animals per month, to submit to federal inspection. The President has the authority, under the War Powers Act, to issue such an order.

The Army now is taking between 10% and 70% of all meats slaughtered in federally inspected plants; none from non-fedally inspected. Since meat from non-federally inspected plants is not included in WPA set-asides for the Army and cannot move across state lines, only about 25% of the total meat slaughter is available for shipment across state lines for civilian consumption.

There are, within WFA, two schools of thought on how to meet the situation. One favors lowering the ceiling on the federal subsidy to non-federally inspected packers. That would force many of them, indirectly, to apply for federal inspection.

The other group is talking about a Presidential order under the War Powers Act requiring federal inspection. The difficulty there is that the WFA does not have qualified inspectors to police all packing plants.

The Office of Defense Transportation ruling defining livestock shows and sales for the purpose of applying the ban on conventions seems more confusing than anything else. Livestock men acting in good faith will not always find it possible to conform to the ruling.

The ODT War Committee on Conventions struggled for weeks with the problem. Finally it came up with definitions that are crossword puzzles in legal phraseology and verbal ambiguity. It wasn't an easy decision to make.

The committee ruled that “livestock auction sales may be held without the necessity of applying for a permit if all the animals are shown for the purpose of actual sale” and provided that not more than 50 persons from outside the local area attend.

“Applications must be made to the committee for a permit to hold any livestock exhibition in which animals are assembled for show purposes or for awarding of prizes or ribbons, and not for sale,” the committee ruled. Permits will be granted only if all animals shown are from the local area and not more than 50 persons from outside the area attend.

“The display and grading of animals prior to opening of a bona fide auction sale is permitted,” the committee said. But the display of equipment, supplies and accessories—even at a bona fide sale—requires application to the committee for a permit.

The committee made a stab at defining “local area” and let it go at that. It drew the boundaries of a local area as consisting of “the city and suburbs where the sale is conducted, or, in the case of rural trade centers, from within the normal local trading area.”

In announcing the ruling, Col. J. Mont-
DIESELS THRIVE ONLY ON DETERGENT OILS

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You can get a supply of Dieso-Life by phoning your Union Oil representative.

DIESO-LIFE

Another UNION OIL Success-Tested Product

Union 76
ro Johnson, committee chairman, said:

"The committee has no desire to interfere with bona fide livestock auctions or sales, which are recognized as essential in increasing our food production, both as to quality and quantity.

"On the other hand," he continued, "it is desirable to minimize the greatest extent possible those events which cause mass movement of persons, animals and equipment, and thus create unnecessary peak loads upon our critically overburdened transportation and hotel facilities."

A shortage of cattle cars by next fall may further complicate livestock marketing, WPA believes. The railroads have been asked to make a special effort to see that transportation is afforded livestock shippers.

But the jam of transportation may delay shipping, even when the cars are available. Rail and truck transportation is the bottleneck which food officials believe will become increasingly troublesome.

The ODT is reported considering establishment of rail priorities for grain movement. Jammed transportation facilities were due in part to bad weather last winter, but war demands have loaded the railroads to the heaviest capacity in their history.

End of the European war would not relieve the shipping shortage, but rather would make it even more critical, according to Maj. Gen. C. P. Gross, Army Service Forces Chief of transportation.

The truck outlook is only slightly better. Civilians will get fewer trucks during the next few months, but some improvement is expected in the tire and gasoline situations.

The Agriculture Department, in a pre-autumn survey based on a March 1 census, finds the outlook better than average in most states. Here are some of the highlights of the report:

There is a widespread demand for tractors and tractor equipment, milk cows, sows, tobacco land, wheat farms and small farms near industrial areas.

There is little demand for horses or stock sheep, and some sheep ranches are shifting to cattle.

Farmers in some sections report increasing difficulty in obtaining needed repair parts for machinery.

Throughout the country the reduced supply of labor is causing concern and necessitating readjustments on many farms. Some fields will be left untilled and some farms will be consolidated.

The rather sharp decline in livestock numbers last year, as disclosed by the Agriculture Department census of livestock on farms Jan. 1, has not alarmed Washington livestock officials. They regard some reduction now as a healthy sign.

Official opinion is that this is the peak year of demand for meat. Assuming that Germany will be defeated before the end of 1945, the demand for meat for export will decline considerably late this year and early next.

Meat production has increased nearly 50% over pre-war. Just how much of that increase will be maintained after the war depends, of course, on the level of employment, purchasing power and other factors.

The general opinion, however, appears to be that if 60,000,000 persons are employed after the war the demand for meat will decrease only by about 25%, thus retaining half the production increase over pre-war.

If consumer purchasing power remains high the normal consumer preference for beef will result in cattlemen holding a greater proportion of their market. In periods of low income consumers purchase a larger proportion of pork.

During 1944 cattle numbers decreased by only 1%, compared with a 25% decrease in hog marketings. On all livestock numbers, meat, milk and work stock, the average decrease last year was 14%.

It is significant, however, that the upward swing of cattle numbers which began in 1937 ended in 1944. This appears to bear out, despite the war, the contention of many cattlemen that beef production runs in seven-year cycles.

School Boners

A sure-footed animal is an animal that when it kicks does not miss.

One of the by-products of cattle raising is calves.

A cow is very like a bull, but a bull hurts more.

The four seasons are salt, pepper, mustard and vinegar.

---

We Wish to Thank...

THE FOLLOWING GREAT PUREBRED HEREFORD RANCHES FOR THE RECENT PURCHASE OF BULLS:

Rancho Casitas, Ventura, Calif.—Idless Advance
Dos Pueblos Ranch, Goleta, Calif.—Idless Austin
Rancho Alamo, Los Alamos, Calif.—Idless Adam

AND TO CALL RESPECTFUL ATTENTION OF ALL BREEDERS TO OUR THREE HERD SIRENS:

WHR ELATION 60th
A son of WHR Seth Domino 3rd

IDLESS ARDENT
A son of WHR Princespe Mixer

IDLESS ARROGANT
A son of WHR Elation 3rd

NOW BEING BREED TO OUR HERD OF WHR COWS.

AND FINALLY TO SAY WE BELIEVE WYOMING HEREFORD RANCH IS THE VERY TOPS IN BLOODLINES.

Mr. & Mrs. Harold Shumate
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CAMARILLO, CALIFORNIA

Alf Rinard, Herdsman
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ever offered in a consignment sale in Pacific Coast history!

**MAY 13th and 14th**

**66 HEAD**

12 Outstanding Herd Bull Prospects

of the most popular blood lines in Herefordom

54 Foundation Females

This entire offering selected by a recognized authority, an out-of-state judge of Hereford cattle. The offering includes bred and open heifers and cows with calves at side. These females represent the very top in Hereford breeding in America.

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H. B. SAGER, Bozeman, Mont., Auctioneer

See Following Pages for Further Details

**North Pacific Hereford Sale—May 13-14**

Lewis County Fairgrounds • Centralia-Chehalis, Wash.

BOB TEALE, Sale Manager • Bollinger Hotel, Lewiston, Idaho
Aldarra Herefords have been founded and built upon selections from the very top breeding stock from Wyoming Hereford Ranch. Many of the top selling WHR bulls and females have been selected for our herd during the past two years. Thus you will have the advantage of making your selections in the North Pacific Hereford Sale from the very cream of WHR bloodlines, type and quality.

We Are Consigning . . .

5 CHOICE FOUNDATION HEIFERS

ALDARRA MIXER 1st 4004322
Calved Sept. 18, 1943
Sire: WHR Princeps 25th
Dam: WHR Wyoma 9th

ALDARRA MIXER 3d 4004321
Calved Oct. 17, 1943
Sire: WHR Princeps 25th
Dam: WHR Joyful Lady 20th

ALDARRA MIXER 4th 4004323
Calved Oct. 19, 1943
Sire: WHR Princeps 25th
Dam: WHR Bonita Star 3d

ALDARRA MIXER 6th 4004327
Calved Dec. 14, 1943
Sire: WHR Princeps 25th
Dam: WHR Starlette 14th

ALDARRA MIXER 7th 4183378
Calved March 14, 1944
Sire: WHR Princeps 25th
Dam: WHR Constance 15th
Note the 100% WHR breeding in these five outstanding herd header prospects. All photographs on these two pages were taken Feb. 15 and, while they hardly do justice to the cattle, they do give some idea of the good heads, quality and general conformation.

ALDARRA PRINCEPS 9th 4213039
Calved April 9, 1944
Sire: WHR PRINCEPS 25th. Dam: WHR WYOMA 14th

ALDARRA FLASHY M 4139240
Calved Feb. 3, 1944
Sire: WHR FLASHY MONOGRAM. Dam: WHR VEGA DOMINO 173d

We were not successful in getting a photograph of this good bull.

ALDARRA PRINCEPS 11th 4228995
Calved April 21, 1944
Sire: WHR Princeps 25th
Dam: WHR Wyoma 12th

ALDARRA PRINCEPS 3d 4088152
Calved Jan. 21, 1944
Sire: WHR Princeps 25th
Dam: WHR Saskamaid 23rd

ALDARRA SATURN 4088153
Calved Jan. 20, 1944
Sire: WHR Constellation
Dam: WHR Miss Mixer 43d

North Pacific Hereford Sale—May 13-14
Lewis County Fairgrounds • Centralia-Chehalis, Wash.

BOB TEALE, Sale Manager • Bollinger Hotel, Lewiston, Idaho

April 15, 1945
Selling 3 Bulls—7 Foundation Females

**BULLS**


Benign Lad 20th (Twin) 4146878, calved March 20, 1944. Sire: Peerless Domino B 10th. Dam: Molly Mixer 2d.

**FEMALES**


Lady Benign 54th 3918924, calved July 6, 1943. Sire: Peerless Domino B 10th. Dam: Miss O Mixer 3d.

*PEERLESS* Domino B. 10th by Jr. Domino 160th

North Pacific Hereford Sale—May 13-14

Lewis County Fairgrounds • Centralia-Chehalis, Wash.

BOB TEALE, Sale Manager • Bollinger Hotel, Lewiston, Idaho
Consigning 6 Real TOPS
to the North Pacific Hereford Sale

2 Herd Bull Prospects—4 Heifers

We take great pride in offering these outstanding products of our breeding program in the North Pacific Hereford sale. They are tops from our herd and will make good wherever they go.

Please note that four of our entries are sired by the $5,000 Advance E Domino, an outstanding herd sire of Fred DeBerard breeding, now heading the herd of Mrs. de Rhem, Jackson, Wyo.

NHR Pueblos Domino 92nd, sired by a half brother of the Grand Champion Steer at Los Angeles 1940 Great Western, is the sire of one of our herd sire prospects, Pueblos Domino W 3d.

We invite your inspection of our entries and we are sure that your visit to the North Coast Hereford Sale will impress you with the sincere and successful efforts that are being made in this area to produce outstanding registered Hereford cattle.

(All photographs taken Feb. 15, 1945)
Selling 15 Head

2 Herd Bull Prospects
15 Bred Heifers

Many of our Sale Animals sired by Prince Domireal 100th

Reserve Champion at the 1941 Pacific International. He was sired by Real Prince Domino 25th and his dam was Lady Aster 105th. You will like his offspring in this sale.

CHR Domireal 2d 3857720
Bull. Calved Feb. 28, 1943
Sire: Prince Domireal 100th
Dam: Lady Roberts 14th

CHR Defender 1st 4176862
Bull. Calved March 24, 1944
Sire: S&F Defender
Dam: Miss Select B 41st

S&F Defender

Most of the heifers are bred to S&F Defender, a great son of Jr. Domino 160th.
Our Offering of 25 Head in the North Pacific Hereford Sale Features

PEERLESS DOMINO B 55th

This Great Son of Jr. Domino 160th is the Sire of Many of Our Entries ... and Many of the Females were Bred to Him.

(SEE FOLLOWING PAGES)

North Pacific Hereford Sale—May 13-14

Lewis County Fairgrounds • Centralia-Chehalis, Wash.

BOB TEALE, Sale Manager • Bollinger Hotel, Lewiston, Idaho
PRINCESS DOMINO B. 42d
by Prince Domino N. 21st

HV DOMINO LADY 6th
by Blanchard Domino 5th

S&F True Donald 16th
3794276
Calved June 1, 1943
Sire: Donald Baker
Dam: Lady M B Brown 29th

S&F True Donald 7th
3794268
Calved April 10, 1943
Sire: Donald Baker
Dam: Lady Aster Brown 13th

Sunland Princess 46th
3555462
Calved May 4, 1942
Sire: Jr. Domino 160th
Dam: Princess Domino B 123rd

S&F Peerette 2d 3794281
Calved April 15, 1943
Sire: Peerless Domino B 55th
Dam: Lady Mischief B 17th

Estelle Domino 3963780
Calved Nov. 20, 1942
Sire: Duke Domino B 10th
Dam: Lady Bacaldo B. 11th

BULLS

Lady Belmont 70th 3407721
Calved May 12, 1941
Sire: Chandler’s Belmont 30th
Dam: Lady Donald 10th

Purity Domino B 44th
3323369
Calved May 26, 1941
Sire: Jr. Domino 160th
Dam: Lady Mischief B 17th

Miss Advance 18th 3412241
Calved May 11, 1941
Sire: Advance Domino 120th
Dam: Catherine Hartland 33d

S&F Royal Maid 3700072
Calved February 8, 1942
Sire: Royal Domino B
Dam: Daisy Domino B 11th

S&F Purity 6th 3700071
Calved January 25, 1942
Sire: Jr. Domino 160th
Dam: Doris Domino B 12th

Lady Coupon 13th
3421058
Calved May 29, 1941
Sire: Mark Donald 29th
Dam: Polanna Domino

FEMALES

Lady Belmont 70th 3407721
Calved May 12, 1941
Sire: Chandler’s Belmont 30th
Dam: Lady Donald 10th

Purity Domino B 44th
3323369
Calved May 26, 1941
Sire: Jr. Domino 160th
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3421058
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Sire: Mark Donald 29th
Dam: Polanna Domino

North Pacific Hereford Sale—May 13-14
Lewis County Fairgrounds • Centralia - Chehalis, Wash.

BOB TEALE, Sale Manager • Bollinger Hotel, Lewiston, Idaho
We are proud of this offering, which includes two outstanding herd sire prospects and 23 females, many of which are bred to PEERLESS DOMINO B 55th. Our breeding program is founded on Reese B. Brown females, and a number carrying top Chandler and DeBerard bloodlines.

**FEMALES**

Lady Aster Brown 23rd 2457568
Calved November 27, 1935
Sire: WHR Aster Domino 42nd
Dam: Ardmore Rose 10th

Princess Domino B 57th 2721875
Calved July 10, 1937
Sire: Prince Domino N 21st
Dam: Laro Anxiety

Princess Domino B 42d 2614292
Calved March 20, 1937
Sire: Prince Domino N 21st
Dam: Lady Anxiety B 10th

Princess Domino B 138th 3050331
Calved October 19, 1939
Sire: Prince Domino N 21st
Dam: Lady Bocold B 11th

S&F True Donna 25th 3794307
Calved April 23, 1943
Sire: Donald Baker
Dam: Princess Domino B 113th

S&F Peerette 24th 4081419
Calved March 27, 1944
Sire: Peerless Domino B 55th
Dam: Lady Coupon 13th

S&F Peerette 19th 4081414
Calved April 18, 1944
Sire: Peerless Domino B 55th
Dam: Doris Domino B

S&F Peerette 34th 4244077
Calved May 27, 1944
Sire: Peerless Domino B 55th
Dam: S&F Royal Maid

S&F Peerette 29th 4244075
Calved May 28, 1944
Sire: Peerless Domino B 55th
Dam: S&F Purity 6th

S&F True Donna 29th 4081421
Calved January 23, 1944
Sire: Donald Baker
Dam: Miss Select B 73d

HV Advance Lady 1st 4069327
Calved October 30, 1943
Sire: Advance E Domino
Dam: Lady Domino 54th

Lady Domino 54th 2998726
Calved March 29, 1939
Sire: Beau Grove 113th
Dam: Lady Barbara 2d

Margaret 12th 2893989
Calved March 7, 1939
Sire: Blanchard Domino 5th
Dam: Princess 40th

HV Domino Lady 6th 2464803
Calved May 26, 1943
Sire: Blanchard Domino 5th
Dam: Rose Domino 43d

Three daughters of by PEERLESS DOMINO B. 55th

S&F PEERETTE 2d by PEERLESS DOMINO B. 55th

S&F TRUE DONNA 29th by Donald Baker

North Pacific Hereford Sale—May 13-14
Lewis County Fairgrounds • Centralia-Chehalis, Wash.

BOB TEALE, Sale Manager • Ballinger Hotel, Lewiston, Idaho
Cattlemen:

It was my privilege to be asked by the North Pacific Hereford Association to make a personal selection of foundation breeding cattle from each herd for their first annual sale May 13th and 14th.

The herds from which this selection was made were the Aldarra Farms, owned by W. E. Boeing, Seattle; J B J Ranch, owned by N. C. Jamison, Medina, Washington; Joe Fisher's Hereford Ranch, Warren, Oregon; C. E. Roberts & Sons, Ocota, Washington; and Smith & Freeman, Montesano, Washington.

The breeding, type, and quality of the animals selected from each herd represented the most popular blood lines in Hereforddom. A straight WER breeding from Aldarra Farms; Taussig and Smith & Freeman breeding from J B J; DeBerard and Stead breeding from Joe Fisher; Deep Canyon, Smith & Freeman, Mount Crest, and Chandler breeding from Roberts; and the famous Reese Brown & Chandler breeding from Smith & Freeman.

Regarding the type and quality of the animals selected, the bulls were the tops from each herd and among them are several outstanding herd bull prospects, selected for their type, conformation, bone, head, and breeding. The females are excellent foundation material, modern in type and quality and to my knowledge no group of breeders in the Northwest have ever offered such a high class set of cattle to a combination sale.

This is an opportunity to secure good foundation Herefords.

Very truly yours,

C. W. Hickman
Animal Husbandman
University of Idaho
A Subsoiling is an effective method of conditioning range or fields to assure maximum conservation of rainfall and moisture. Ground is broken to a depth of about 10 inches below the surface, permitting thorough penetration and distribution of water. Subsoiling effectively reduces run-off of water, erosion damage, and appreciably shortens the dry season.

Suggests Use of Subsoiler to Conserve Moisture

That Frank O'Conor, horse editor for Western Livestock Journal, has interests outside the tack room was demonstrated last month when he added a few paragraphs to Burle J. Jones' article, "Alfalfa in Range Reseeding."

Frank was disturbed about the statement that alfalfa, because of its deep rooting, drew the moisture from the subsoil to such an extent that it would eventually die out from lack of moisture. He has a solution for that problem and here it is in his words:

"This condition can be remedied to a large extent by deep subsoiling and most years in Southern California, with an average rainfall, enough moisture can be put back into the ground to carry through the summer, even on hillsides and rolling ground."

"About 20 years ago the late George Platt of the Los Angeles Creamery Co. had a ranch in the hills west of Owensmouth in the San Fernando Valley on one of the ridges facing east into the valley. He subsoiled about 10 acres right in the center of a large grain field. This piece not only produced a good crop, but after it was harvested and the rest of the hills had turned brown, this spot had sufficient moisture to start a second growth. It was green practically all summer and stood out so noticeably that on a clear day it could be seen for a distance of 10 or 12 miles."

"Hillsides should be subsoiled about 20 inches deep, following the contour, and about eight to 10 feet apart. This will not only conserve all the moisture but will prevent erosion, as all the rain enters the ground where it falls and does not run off. The subsoiler heaves and cracks the ground for four to five feet on each side, if done while the ground is hard and dry. This should be done every year before the first rains in the fall."

SAYS . . . MEAT

and tomorrow's markets

In widely read weekly and monthly national magazines, hundreds of daily newspapers, scores of influential medical journals, and coast to coast on the radio, the American Meat Institute is telling consumers about the many merits of meat.

We are emphasizing, in advertising and in other ways, the necessity for adequate quantities of meat in the diet of men, women, and children... for good health, good nutrition, and downright good eating.

Nothing is more important in wartime, or any other time, than nutrition and public health.

Right now, we could sell consumers a lot more meat if we had it.

After the war... we will have a lot of meat to sell to the American people.

So, our aim is to insure as best we can a future demand for meat at prices which will provide an incentive for the continued production of livestock of all kinds.

A great industry such as ours... which really is a partnership of producers of livestock and we who prepare and distribute meat... must be a growing, expanding industry if all elements in it mutually are to prosper as they should.

American Meat Institute
Headquarters, Chicago • Members throughout the U. S.

Laugh with William Bendix on the radio in "The Life of Riley"—every Sunday night on the Blue Network—see paper for local time and station.
No other tractor tire is "just as good" as the Firestone Ground Grip because no one can "borrow" the Ground Grip design. It's patented.

Naturally, the Ground Grip tire is imitated, because it out-performs any other tractor tire by as much as 16% more pull at the drawbar.

Here's why it out-performs them:
1. Ground Grips have as much as 215 extra inches of tread bar length per tractor. Obviously, they take a bigger bite and get a firmer grip on the soil.

2. They have no broken tread bar slots in the center. Consequently, they have no traction leaks. They give maximum traction.

3. They have no broken bar stubs. They don't catch trash, clog and fill up. They give positive cleaning.

When you get new tractor tires, be sure you get the genuine Firestone patented Ground Grip. Don't settle for an imitation.

For the best in music, listen to the "Voice of Firestone" every Monday evening over NBC Network.

THE TIRES THAT PULL BETTER LONGER
BLITZ ON CACTUS

Australia Reclaims Vast Areas of Cactus Land Valued at $100,000,000

Data for this article was obtained from a report issued by the Commonwealth Prickly Pear Commission of Australia. The report was brought to our attention by Edwin L. Stanton, owner of a 55,000-acre cattle ranch on Santa Cruz Island, off the coast of Santa Barbara, Calif. Mr. Stanton has been conducting a vigorous one-man campaign with the U.S. Department of Agriculture, the Agriculture Adjustment Agency and the California Cattlemen's Association, urging introduction to this country of the Cactoblastis Cactorum to eradicate the prickly pear cactus. He has seen the cactus spread rapidly over his own land, so he thoroughly appreciates the work Cactoblastis Cactorum has done in Australia and can do in this country.

A fascinating saga of science—biological science—is unfolded in the story of Australia's conquest of the prickly-pear and the reclamation of vast areas of prickly pear infested land by the importation from Argentina of a moth, the Cactoblastis Cactorum, whose larvae chews its way through the prickly pear and causes its destruction. The amazing liquidation of the prickly pear has transformed miraculously the face and fortunes of more than 60,000 acres in the hinterlands of Queensland and New South Wales.

With clearing of the land by mechanical or chemical means impractical because the cost would exceed the value of the land, economic gains to the Commonwealth of Australia from the Cactoblastis program have far outstripped the costs with maximum returns destined to be realized by generations yet unborn. In one section of Queensland, 22,000,000 acres once rendered worthless by the steady encroachment of the prickly pear are today conservatively estimated to be worth approximately $37,000,000, exclusive of the value of improvements such as clearing of timber, development of water supplies, fencing, roads, etc.

As the impenetrable fastnesses of prickly pear jungles yielded to the voracious attack of millions upon millions of the Cactoblastis clan, settlers came, and homesteads multiplied in dozens upon dozens. Tremendous increase in grazing areas for cattle and sheep resulted in substantial expansion in numbers. The wool clip soared as if tied to nothing less than a V-2 rocket.

Conquest of the prickly pear and restoration of the land to economic worth is purely a triumph of biological science—a story of many scientists, of unremitting, patient work that transcended international borders and barriers of man and nature.

Origin of the prickly pear in Australia is lost in the long shadows of time. There is some speculation that it may have been introduced as feed for the cochineal beetle when that insect comprised the backbone of the dye industry, almost 200 years ago. More recent research, noting that the prickly pear had become established in the immediate vicinity of trade ports of consequence, inclines toward the opinion that the plants were introduced to Australia as a botanical curiosity.

In any event there they were, a major pest problem of steadily increasing proportions. Twentieth century science attacked the problem about the time Europe exploded in its first, great World War. The Queensland Pricky Pear Traveling Commission had in 1914 recommended the introduction of insects and plant diseases from America as a means of biological control but, interrupted by (Continued on Page 76)
WHAT TO DO UNTIL THE VET COMES

By Dr. "Jim" Jacks

Supervisor Veterinary Field Research
Cutter Laboratories

This is a problem that has confronted most stockmen at some time during their activities in raising or dealing in livestock. All of you who own livestock will realize the many accidents and ailments that may happen to these animals suddenly and with such severity as to call for immediate attention. In too many instances, the methods used to alleviate the condition do far more harm than good. Under these conditions, your first action should be to call your veterinarian. Then carry out only those measures necessary to insure that the animal will not die before the doctor comes.

Many of these livestock conditions call for immediate and sometimes heroic treatment in order to save the animal. Bloat in cattle is a good example. Here we have such an excessive accumulation of gases in the rumen that, unless the animal is relieved immediately, death can be expected to follow in a very short time. In most cases of this kind, the use of a trocar and cannula should be reserved to a lot of men even resort to any kind of a knife. This is a crude method; it works, but there may be certain complications following this type of surgery that leave a lot to be desired.

Most of the stockmen are aware that certain types of forage at certain seasons will induce bloat. For practical reasons, they cannot change the type of feed and so under these conditions the stockmen should be trained to relieve the animals in the best way possible when trouble starts. For this reason, I would recommend that each stockman operating in a bloat area in their livestock does occur, procure a trocar and cannula and have his veterinarian instruct him in the proper use of these instruments. Here again your local vet being familiar with the conditions in that particular vicinity, can instruct the stockman in the best method of control.

Another condition far too common among the horse population of the range country is injury induced through contact with barbed wire. At times the owner fails to establish a fence that makes him a bigger, healthier animal is relieved immediately, death may occur in cattle.

When an owner is confronted with this condition in one of his horses, his first effort should be in controlling the hemorrhage. When this is severe and of an arterial origin, do not depend upon efforts to stop it by using such agents as spider webs, lime, and other home prescriptions that have been handed down from the days of ancient medicine. Get in touch with your veterinarian immediately. He will be able to pick up the artery, suture up the wounds that call for such treatment, and give the animal a prophylactic injection of tetanus antitoxin. This latter treatment will protect the injured animal from contracting lockjaw. In treating animals suffering from barbed wire cuts, too many owners are inclined to use strong antiseptic washes. This treatment often does far more harm than good as the use of some antiseptics results in considerable tissue destruction, followed by an excessive granulation of the wound, as is commonly known, "broad flesh."

Nail pricks and other puncture wounds should be given more consideration than they usually get, as in wounds of this kind, which may be quite deep but bleed very little, complications in the form of lockjaw or malignant edema may arise. The organisms causing these conditions are always present in the soil and are carried into the tissues by the puncture and thrive in wounds where air is excluded. Here again the wound should be opened up to establish drainage and if a nail has punctured the foot, the hoof should be trimmed according. Too many times the owner fails to establish drainage and if a nail has punctured the foot, the hoof should be trimmed accordingly. Too many times the owner fails to establish drainage and if a nail has punctured the foot, the hoof should be trimmed accordingly.

The same program of using Shorthorn bulls is practiced at the Che-wa-can Cattle Co., Paisley, Ore., also operated by this same organization. Of all the ranges are under the management and direction of Kern County Land Co., Bakersfield, Calif.

Another of the largest producers of the West, Moffat Co., Elko, Nev., are having satisfactory results from this same system of cross-breeding Shorthorn bulls on whiteface cows.

(Continued on Page 64)

97 Shorthorn Bulls to New Mexico

Purchase of 97 Shorthorn bulls from leading breeders in western Missouri and eastern Kansas by Victorio Land & Cattle Co., Deming, N. M., represents the latest big acquisition of Shorthorn bulls for the purpose of cross-breeding on whiteface cows.

Decision of Victorio Land & Cattle Co. to introduce more Shorthorn bulls comes from the early experience of this ranch with a similar program and is designed to improve the constitution of range-produced calves by the addition of the well established Shorthorn characteristics: more rugged bone and a bigger capacity for feed, which insures greater weight for age.

Leo McKinney, manager of Victorio Land & Cattle Co., also expects to produce heifers that will give much more milk than their dams as the result of this introduction of Shorthorn blood. "A good flow of milk," says Mr. McKinney, "means that a calf gets the kind of a start that makes him a bigger, healthier and heavier steer all of his life."

The same program of using Shorthorn bulls is practiced at the Che-wa-can Cattle Co., Paisley, Ore., also operated by this same organization. All of the ranges are under the management and direction of Kern County Land Co., Bakersfield, Calif.

Another of the largest producers of the West, Moffat Co., Elko, Nev., are having satisfactory results from this same system of cross-breeding Shorthorn bulls on whiteface cows.
BOY-POWER

FFA Youths Conduct Spray Campaign vs. Cattle Grubs

I n these days of meat shortages when a good sirloin steak is worth its weight in diamonds and the purchase of a good pair of shoes represents a real triumph, the cattleman who pursues a carefully planned campaign of control and grub control in his herd will actually be increasing the available supply of meat and leather and he will find a larger bulge in his purse for his efforts.

Cattle grubs, which are responsible for $100,000,000 annual loss in meat, milk and leather in the U.S., can be controlled by spraying cattle backs with insecticide under pressure. Here the method is demonstrated using a power sprayer manufactured by the Food Machinery Corp.

The answer lies in the use of "boy-power" and one of the best examples is the campaign carried on by the Etna High School FFA chapter in the Scott Valley and Siskiyou County, Calif.

The boys made a preliminary survey of the district last December and it disclosed that between 8,000 and 10,000 head of cattle, born before July 1, 1944, needed treatment. Next, the boys had a talk with the county agricultural commissioner and, as a result, he agreed to provide spray equipment and an operator at cost. Two Future Farmers were then sent out each day with the rig to help with the spraying, handling the cattle, and keeping records.

First treatment began about January 16 and was completed about February 1. It consisted of spraying the backs of cattle with a rotenone solution used with wettable sulphur and water. The cost figured out at about six cents per head on 10,000 cattle treated, representing about 97% of the cattle in Scott Valley.

Treatment was at the ranchers' home places, using a chute or small holding pen where a thorough spraying could be assured. The equipment delivered spray at a pressure of 400 to 500 lbs. per square inch, closed the nozzle, held about a foot from the animal's back, was closed for five or six seconds and then adjusted to deliver a stream about two inches in diameter when it hit the back.

Many grubs were noted during the first treatment, but during the second spraying, from February 12 to March 2, the number was greatly reduced. A third treatment was thought advisable for control and to make a continuing control program.

The campaign was so successful that Scott Valley ranchers have warmly praised the boys for the splendid public service they have rendered. News of the program's success swept across the range of hills to the east into the Shasta Valley, and there a group of ranchers, owning more than 10,000 head of stock, are preparing to embark upon a similar program.

April is a good month to spray cattle because there are still many grubs in the back which hatch and bore through the skin. Also, heel flies increase in abundance and start depositing their eggs on the feet, tail, and lower portions of the body.

Since exact information is needed if a spraying program is to be undertaken, the following is quoted from a circular on cattle grubs issued by the Wyoming State Department of Agriculture in December, 1942. The circular is the result of an investigation conducted by B. Thomas Snipes, state entomologist, and Roy S. Cooper, deputy state entomologist and Sheridan County pest inspector.

"Cattle-Sulphur Spray—The spray solution is made up, immediately prior to time of application, in the following proportions:

1. Cubesulphur—The spray solution is made up, immediately prior to time of application, in the following proportions:

1. Cube powder—Wettable powder—Acidified water

2. Cube sulphur—Wettable sulphur—Acidified water

3. Cube sulphur—Wettable sulphur—Acidified water

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99. Cube sulphur—Wettable sulphur—Acidified water

100. Cube sulphur—Wettable sulphur—Acidified water

A high pressure sprayer, equipped with a pump capacity of maintaining 300-400 lbs. pressure through 50 feet of hose, with a No. 5 disc, is necessary for effective application of the solution. A tank capacity of 50 gallons is normally most convenient, especially if the outfit includes a tank filler. It is important that the spray tank be fitted with a good agitator to keep the solution thoroughly mixed during application.

"Fifty feet of high pressure spray hose is usually sufficient, since the sprayer is preferably trailer mounted and can be pulled in close to the chute. A regular orchard spray nozzle is most frequently used, as this nozzle permits accurate direction of the spray stream and allows the necessary adjustment in the intensity of the spray. A No. 5 spray disc is

(Continued on Page 86)
MEAT shortages, so far as the civilian consumer is concerned, continued to grow more pronounced during the month of March and with the increase of government set-asides of utility beef from 70% to 80% of federally inspected slaughter, effective April 1, the indications are that the situation of the civilian consumer in the matter of his daily or weekly meat supply will tighten still further during the current month and perhaps through May.

The current paucity of meat on the retail block is directly traceable to the sharp reduction in the country's hog population and that the direct result of hog producers' unsatisfactory, unprofitable operations during the first half of 1944. For the first quarter of this year, hog producers' unsatisfactory, unprofitable operations during the first half of 1944. Therein the actual demands.

Protests over the short supply of meat and pork output for a substantial part of their revenues, rising cattle prices, increased labor expenses and other fixed charges, and overhead costs on cattle slaughter have, according to reputable authorities in the industry, advanced to a point where operations are showing losses.

Obviously this has brought on pressure for a revamping of OPA price ceilings on dressed meats, but what the final outcome of the hearings being conducted in Washington will be is anybody's guess.

How long packers will continue to absorb losses on their beef kill is another timely question that cannot be answered in an off-hand manner. The national packers have weathered many financial storms but there is general admission among the leaders of the industry that the present situation is different from anything they have experienced in the past. They agree that the "squeeze" they are in now has many threatening possibilities.

The Cattle Market

During the past month the cattle market has shown more than its usual ups and downs, but with no marked change in the general selling base.

Packers have been free to assert that current prices on many grades of cattle are top-heavy in relation to what they are now in has many threatening possibilities.

(Continued on Page 36)
HUNDREDS OF DOLLARS, PERHAPS, WHEN IT COMES TO DISEASE CONTROL...

Ask him what vaccines and serums he uses to protect you and your family from disease—and like as not your doctor will say "Cutter"! With good reason, too.

He knows the painstaking care that Cutter scientists take to produce vaccines that are dependable—that Cutter men have only one object in mind: to turn out biologicals that really do a job!

Naturally, you'd expect this care and attention in protecting human lives. But here's where your livestock comes into the picture.

At Cutter Laboratories, the same care and attention go into making vaccines and serums for livestock as for humans!

Actually, identical methods of testing and, wherever possible, identical production methods are used to assure the quality of livestock products as those your doctor uses.

If you think this one over, you can come to only one conclusion. For peak protection of valuable animals, you can do better by insisting on Cutter. You'll know you're getting the best that science can produce.

This one fact, alone, would be enough to explain Cutter's leadership with progressive cattlemen all over the West. But in addition, these men know that Cutter pioneered the field of animal disease control—originating many of the vaccines and serums now used generally. They know, too, that Cutter will continue to lead the field—offering you the latest and most effective disease controls as fast as science can discover them.

If you've been losing valuable stock—perhaps Cutter can help you. If any product can control those losses, it is a safe bet Cutter makes it!
No Runts among these

A LOT of credit goes to our Agricultural Colleges and Experiment Stations where men spend their lives working out improved methods of breeding and feeding. For example, E. F. Ferrin, head of the swine division of the University of Minnesota, recently ran a feeding test with seven lots of pigs. He found that too small an amount of protein in the ration produces more runts, slower gains and less profit.

All pigs in the test started at an average weight of 50 pounds and were self-fed without pasture for 14 weeks. All seven lots received the same kind of protein supplement which was tankage and soybean meal in equal parts with 10% alfalfa meal to supply adequate amounts of B vitamins. Some lots got a high-protein ration (15% of the total feed); others were cut down to 15% and 12% protein. As pigs get heavier, they need less protein, so in some lots the amount of protein was reduced as they gained in weight.

The best results came from an 18% protein ration until the pigs reached 100 pounds, and 15% protein after that weight. The hogs on low-protein rations made smaller gains and were more uneven in individual weights when the test ended. By just such careful experiments, the "know-how" of hog raising has reached its present efficiency.

SULPHUR FOR LAMB COCCIDIOSIS

Coccidiosis in lambs may be successfully prevented by the addition of ground crude sulphur to their feed in proportions ranging from 1/8% to 1/4% of the ration, claims the Idaho Wool Growers Bulletin. Effectiveness of this sulphur treatment has been demonstrated by the U.S.D.A. working in cooperation with large lamb feeders, the report states.

LOST! A MILLION EXTRA ANNUAL MEAT RATIONS

Approximately 200 million pounds of meat a year are being wasted as a result of bruises, crippling and death losses of livestock in transit to market, according to H. R. Smith of the National Livestock Loss Prevention Board. This Board has found that all of us who have to do with the handling of livestock can help save much of this needed meat by following these simple rules:

1. Inspect chutes, trucks and cars for nails and rough corners.
2. Do not overload or jam animals. Partition mixed loads of livestock.
3. Never beat or prod with whips or clubs.
4. When trucking, start and stop with caution; watch for bumps, rut and sharp curves.
5. Check your load frequently. Livestock shift in transit.

By observing these simple rules, we can all cooperate in cutting down this loss of a million extra meat rations a year; and we can help contribute to the nation the additional meat supplies which it needs so greatly right now!
CATFISH CAN'T RAISE CORN

Nature has equipped catfish with feelers so they can find their way about in muddy, silt-laden rivers. Most of that mud and silt is rich topsoil from once fertile farmlands. The type of soil that should still be producing 50 to 100 bushels of corn.

Catfish can't use that fertile mud to raise corn, and that's too bad. Because right now, America needs all the corn it can produce. There's no need to let catfish have any part of your farm. Your topsoil can be saved. Soil conservation practices will hold the raindrops where they fall, control water erosion, stop gullies, stabilize the soil. The Agricultural Extension Service of your State University will be glad to help you work out a special program to fit your farm.

Through soil conservation practices fertility is maintained, crops make better yields, carrying capacity of pastures is increased, more and cheaper feeds are provided for livestock. All this means more money in the farmer's pocket. Swift & Company believes that whatever helps livestock helps all of us—producer, meat packer and consumer. To you as a producer, we earnestly suggest that an investigation of soil conservation land management may be worth your while.

F.M. Simpson
Agricultural Research Dept.

Keep Your Cream Checks Up!

If you've noticed that the cream content of your milk goes down at this time of year, it may indicate that your dairy cows are not getting all the feed they need for heavy production. Those first blades of grass aren't as good as they look, for they won't give the cows all the proteins they require. So don't turn your dairy cattle out to graze and expect them to take care of all their feed requirements with early pasture.

Supplement their spring ration of grass with grain and protein supplement mixture, and hay... grain and protein supplement for milk production, hay for necessary roughage. This tonic is sure to put new spring in the step of an undernourished cow.

The best indication of contentment in the dairy herd is the butterfat test of your milk!

$5 IDEA
Salvage metal pails or tubs which have holes in the bottom by pouring in a half-inch of concrete. Let stand a week before using. Makes them a trifle heavier, but serviceable.

—Mrs. A. L. Miskimon, Wellsville, Kans.

STAMP 'EM OUT!

Every Year—
CATTLE GRUBS

In this country spoil enough leather to put soles on the shoes of about 12,000,000 marching men.

Right Eating Adds Life to Your Years, and Years to Your Life

Swift & Company
CHICAGO 9, ILLINOIS

* NUTRITION IS OUR BUSINESS—AND YOURS *

April 15, 1945
HAYING time—repeated two, three, or four times when all farm work is rushing—calls for dependable, fast-working, labor-saving John Deere equipment.

John Deere Mowers—both power-driven and horse-drawn—are famous as the fast, clean-cutting, light-draft mowers, dependable under all haying conditions. The No. 5 Power Mower, shown above, is the "easy on—easy off" mower built for use with any tractor having a power take-off.

Matching John Deere Mowers in performance is a full line of John Deere hay-handling equipment: John Deere Side-Delivery Rakes with curved teeth, floating cylinder, inclined frame, and enclosed gears, comb the ground, raking all the hay and fluffing it into light, airy windrows for proper curing. John Deere Loaders handle the windrow gently—put more feed value on the rack because gentle handling saves the leaves—the real feeding value of the crop. John Deere Presses—stationary and pick-up types—have the big capacity and the staying ability to keep this step of haying up to schedule—making firmly-packed, neat bales that feed out with less waste; that command best prices on the market.

A thorough study of John Deere Haying equipment before you buy will repay you in time, money, and labor saving at haytime. See your John Deere dealer now for dependable haying equipment.
FOOD

by Dr. R. F. ESSLER

from Eating Well by Dr. R. F. ESSLER

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CIRCLE M HEREFORDS
85 HEAD

80 Bred Cows and Heifers... 1 Herd Bull and 4 Herd Sire Prospects

featuring

Donnie Domino 3663337

Calved May 2, 1942

At Denver in 1944 we bought two Chandler herd bulls—Cascade Donald 4th at $5,000 and Donnie Domino at $5,500, both sons of the champion, Donald Domino 16th. Following this introductory sale we shall not have need of so many sires and are therefore parting with one of these half-brothers. Visitors at the ranch have been divided as to which is the better of these two bulls. Frankly, we do not know. Some feel we are parting with the better bull. In view of their similarity in type and breeding there should be no material difference in their worth.

Four Top Herd Sire Prospects

(1) Mojave Domino 10th, July 5, 1943; sired by Mark Domino 88th and out of Lady Belmont 57th.

(2) Mojave Domino 9th, July 7, 1943; sired by Mark Domino 88th and out of Miss Miller 13th.

(3) Mojave Beau 1st, July 17, 1943; sired by Beau Mischief C and out of CBQ Battle Belle 2d.

(4) Cook's True Mold, Sept. 17, 1942; sired by WHR True Mold 15th and out of WHR Camille 35th.

These are the top of their crop—well bred, well made, well grown—ready for heavy service in good registered herds. You'll like them.
Selling at Madera, on Monday, May 21

Come Sunday and See the Cattle

Good Values in Females

AT CIRCLE M we have been carrying too many cattle—300 head on 320 acres. That’s the reason for this sale, to adjust numbers to the capacity of the ranch. Until recently the cows and heifers in this sale were wintered on pasture, and while they will not be highly fitted they will be found in good breeding condition.

We feel there is significance in our accomplishments during the past year, resulting in: (1) Champion Pen of bulls and champion female at the California Hereford Association sale, the heifer selling at $2525 to T. H. Richards of Sacramento. (2) Our “Heritage” calf stood fourth in a strong class at the Great Western in Los Angeles. (3) In the Red Bluff Sale, where we had only two entries, our heifer brought $700 and our bull $900.

The 40 Heifers are by:

- Donald Domino
- Donald Domino 16th
- Mark Donald
- Miller Domino 7th
- Mark Domino 60th
- Mark Domino 88th
- Mark Domino 100th
- Royal Mark
- Royal Belmont 13th
- Good Donald
- Advance Domino 120th

Speaking of their sires have you ever seen a better list than the sires of these two groups of females? Through such sires they carry the blood of champions — breeding that made Chandler Herefords famous throughout the country … just one more reason why you’ll get good values in this offering.

The 30 Cows are by:

- Cascade Domino
- Oregon Domino 2d
- Blanchard Domino
- Hazford Tone 151st
- Young Domino 20th
- Mark Domino 47th
- Mark Domino 60th
- Donald Domino
- Donald Domino 16th
- Mark Domino 100th
- Chandler’s Belmont 30th

AMONG THE SERVICE SIRES

IDENTIFIED WITH THIS OFFERING IS ONE OF THE BEST KNOWN HERD BULLS IN THE WEST:

**Miller Domino**

This is the sire owned jointly with the Painter Hereford Company of Colorado and now at Circle M where he has served 13 of the cows selling. His breeding has been widely publicized. His sire is Young Domino 20th who is a grandson of Prince Domino Jr. and Advance Mischief, while his dam is Miss Belmont 62d, a daughter of Chandler’s Belmont 62d. The fact that such a liberal portion of the cows listed carry his service, adds materially to the attractiveness of the female offering.
40 Heifers, Nearly all Bred to CM Constellation

Note that there are 16 Register of Merit crosses in the first 6 generations. The maternal grandsire, WHR Princeps' Mixer, is probably the most famous of all present day sires at WHR. He sired WHR Proud Princeps 9th, Denver champion of 1943 and is the grandsire of WHR Helinsron 94, Denver champion of 1943. It would indeed be difficult to write a better pedigree.

More About Circle M Sires

It has been previously mentioned that such sires as Cascade Donald 4th, Donnie Domino, Miller Domino and CM Constellation are identified with this offering. Two more are definitely in the picture: Beau Mischief C by Beau Mischief 13th and out of Miss Real 34th, a daughter of Real Prince Domino 66th, and CM Royal Domino, grandson of Prince Domino C who is the sire of WHR Royal Domino 45th and 51st. We call this traveling in fast company.

Write to Circle M Ranch, Box 1782, Fresno, California, for the Catalog.

Cattle will be yarded at Madera ready for inspection by Sunday morning, day previous to the sale. Auction starts promptly at 1 P.M. Freddie Chandler, auctioneer.
Generations of hogs, cattle, sheep and poultry have been cleaned up and disinfected with Kreso Dip No. 1. It is an old, proved "stand-by" when animals are cut, infected, or infested with lice, mites and sheep ticks. Sheepmen prefer Kreso Dip because wool is not injured or discolored in dipping.

On many farms and ranches a tank of Kreso Dip solution stands ready for the one hundred and one clean-up and disinfecting jobs around farm buildings—jobs that are forever necessary in the control of disease.

Animal Industry Division

PARKE, DAVIS & CO.
DETROIT 32, MICHIGAN

DRUG STORES SELL PARKE-DAVIS PRODUCTS

Livestock Markets
(Continued from Page 28)

are permitted to charge for their products under OPA ceilings.

Practical top on fed steers on the Los Angeles market during March was $17.85, although on March 25 a single animal brought $19.60, the first animal at any central market to sell at the OPA over-all ceiling. In March last year practical top was $16.50, with odd head up to $17.

At Chicago, where the ceiling is $18, the month's high price on steers was $17.65. Missouri River tons ranged generally from $16 to $18.50, with an extreme high of $17. At San Francisco the month's peak was $17.

Most of the steers going into slaughter during the month were grain fed. From a nationwide standpoint, feedlots must be depended upon for most of the beef for the next 60 days when grass fatted cattle will probably come into the picture more prominently.

Range and pasture conditions in California are on the whole far better than a year ago and above normal for this date and cattle are generally making good gains. Initial shipments of grass cattle from South Dakota and South Dakota Valley are expected toward the close of April, but the movement of California grassfeds is not expected to gain much momentum till mid-May or later.

Cows and heifers continued to make up a rather bulky proportion of marketable supplies of cattle for the month. A top of $16.25 was paid sparingly for top heifers. This equaled the Los Angeles record summit for heifers at the Los Angeles yards. A few best cows landed at $14 to $14.50.

Calves were active sellers all month with prices, in general, running above the February scale. Good and choice calves and vealers sold at Los Angeles at $15.50 to $17.

Outlet was reasonably broad for all replacement stock offered, a generally firm tone featuring the trade. A few fleshy feeders ranged up to $15. Most of the better grade stockers cleared at $12.50 to $14.50. A few loads of good to choice stock calves brought $14.50 to $15.

The Hog Market

Other than the smallness of receipts there has been little to feature in the hog trade during recent weeks. Prices have now been at ceiling levels for more than two months. Hogs have been gobbled up as fast as they arrived at maximum permitted price levels; virtually everything in the butcher line from 160 lbs. up to 300 lbs. and above has been selling at $15.75 at West Coast markets. Sows and stags are selling largely at $15.

Feeders have been scouring the country for feeding pigs. A range of $20 to $25 has been taking many of the good kinds of pigs. These prices are the highest paid in recent years.

Sheep and Lambs

The scarcity of other meats, particularly pork, tended to create a broad, healthy outlet for sheep and lambs.

Best lambs registered a top of $16.50, the highest of the year. Fat wether lambs hit $8, while choice kinds were quoted to $8.50 or better.

Range and feed conditions in most of the early lamb areas are reported to be more favorable than a year ago and lambs are expected to move somewhat earlier and in better flesh than usual.

Western Livestock Journal

April 15, 1939
Markets

The ceiling is $15 on steers was a few dollars above and below, March 29 and March 30. The bid for feedlots 
fed was $17.50 against $18.50. The bid for the line steers in the Los Angeles 
market was $16 and $17.50 against $17.50 and $18.50. The choice was 
$20 and $22 against $21.50 and $23. Very few lambs or ewes were quoted, 

Secretaries on the Los Angeles market were quoted $16 March 28 and $17 March 29, 
with old head and ear bands. The choice was $20 and $22 against $22 and $24. The 
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$26 and $28. The bid for the line steers in the Los Angeles market was $16 and 
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market was $16 and $17 against $17 and $18. The bid for the line sheep in the Los 

Our Thanks to
MRS. WINNIE MOORE

for the spirit and good will that prompted her to send us the following message:

INTERNATIONAL HARVESTER COMPANY, CHICAGO, ILLINOIS

Gentlemen:

I have read the statement by International Harvester about how business has been criticized by some people in this war. But I say this—what would our country have done without tools or machinery to farm or fight with? I am so thankful that the U.S. has companies like yours.

I am just a farm woman who knows what it is to do a hard day's work, or get on a tractor seat and drive all day long, day after day. I do it to make a living, and I am so thankful we chose a Farmall, back in 1937. When we go out for a day's work I know we can depend on it, for it is always ready to go and never breaks down. I know our boys at the fighting fronts feel the same way about their equipment. If it has your trademark for accuracy and dependability, people can depend on it.

My husband, Jacob V. Moore, and our two children and I have farmed over 100 acres, and 25 of it in vegetables, and I don't know how we would have managed without our Farmall to prepare our land with. But we plan to buy more equipment to go with our tractor after the war.

AN INTERNATIONAL HARVESTER BOOSTER,

MRS. WINNIE MOORE, BANGOR, ALABAMA, RT. 1

T H E M O S T v a l u a b l e t h i n g I n t e r n a t i o n a l 
Harvester can have is the good will of 
the millions of farm families in this nation. 
Now, after three war years—during which 
we have built war machines on government 
order and every possible farm machine we 
could build—it is good to know the view of 
the folks on the farms. They are interested 
in ours, and we are interested in theirs.

Last fall we published a statement in 
which we said there were many false stories 
circulated about profits in wartime. The 
fact is that Harvester's profit, as an example, 
was 16% lower in 1944 than in the year 
before Pearl Harbor, although our sales 
were 75% higher.

We had many good letters in answer to 
that message. This month we would like to 
have you read the letter from Mrs. Winnie 
Moore, above, which she has given us 
permission to reprint.

Thank you, Mrs. Moore, for the fine spirit 
of your letter, for your appreciation of what 
Harvester is trying to do for Agriculture, 
and for your tribute to the good old Farmall.

We are all fighting this war together, in 
the factory and on the farm. America is 
proud of its farmers, and proud of the 
dealers who serve them in this emergency.

Our most valuable thing International 
Harvester can have is the good will of 
the millions of farm families in this nation.

INTERNATIONAL HARVESTER COMPANY, 180 N. MICHIGAN AVENUE, CHICAGO 1, ILLINOIS 

INTERNATIONAL HARVESTER

April 15, 1945
Protect Against Shipping Losses!

Shipping fever (hemorrhagic septicemia) robs livestock owners of millions of dollars each year. Don't be one of these losers!

Plan to vaccinate the animals you ship, with Lederle's Hemorrhagic Septicemia Bacterin at least a week before loading. Protect the animals you are shipping on short notice, with Lederle's Anti-Hemorrhagic Septicemia Serum.


ANIMAL INDUSTRY DIVISION

LEDERLE LABORATORIES INC.
A Unit of American Cyanamid Co.
30 ROCKEFELLER PLAZA, N. Y. 20, N. Y.

EQUIPMENT

for

FEED
GRAIN
SEED
RICE
BEANS

Wagner Barley Rolls
Rietz Vertical Grinders
Mixers - Cleaners
Bucket Elevators
Screw Conveyors
Special Machinery

JOS. WAGNER
Manufacturing Co.
441 Folsom Street
San Francisco, Calif.

ESTABLISHED 1867

COAST RECORD

49 Herefords Sell for $962
Average in Sunland Auction

Pacific Coast records tumbled in the fourth annual offering of Ted Harper's Sunland Herefords at Madera, Calif., when the averages for the sale were totaled up and disclosed that two bulls averaged $1,500, 47 females averaged $939, 15 bred heifers averaged $1,054—the total of 49 head averaged $962!

The sale tossed into discard the record established at the Smith & Freeman sale last year at Montesano, Wash., when 48 head sold for an average of $957.81.

John E. Owen, Jurupa Hills Ranch, Riverside, Calif., outlasted George Pollack, Sacramento, Calif.; Nell Jamison, J Bar J Ranch, Medina, Wash., and Oscar Smith of Smith & Freeman to pay $4,400, the highest price of the sale, for an outstanding cow with an extra good bull calf at side.

The cow was Princess Domino B. 136th, sired by Prince Domino N. 21st and calved Oct. 24, 1939. Her dam was Lady Aster Brown 51st and the thick bull calf was by Sunland Domino 33d, he by W.H.R. Safety Domino 8th.

He also bought at $1,500 another good cow in Miss Select E. 12th, sired by Select Domino and calved Dec. 3, 1939. Her dam was Lady Mischief B. 14th with a bull calf at side by Sun Dynamic Aster.

George Stemple for his recently established Willowbrook Ranch, Willis, Calif., paid the high of $2,400 for a proven heifer whose calves in the sale proved his worth. He was Sun Prince Domino, sired by Real Anxiety and calved May 20, 1940. His dam was Miss Beau Daisy 4 D by Duny Domino.

He also obtained at $1,000 NHR Dixie Domino 26th, sired by Donald Domino 29th, and calved May 10, 1941. She had a heifer calf at side by NHR Donald Domino 68th and was bred Jan. 31. To TT Triumphant 16th, the 1944 grand champion at Denver bought by Mr. Harper at the then record price of $18,000.

In addition, Mr. Stemple bought four cows ranging in price from $500 to $850. Two were with heifer calf at side, two with bull calf at side and, of the four, two were bred.

Irving Keyston, who recently established his KHR Golden State Herefords at Oakdale, Calif., having just returned from the sale at Calgary, Canada, where he bought the champion bull, has a sharp eye for quality and value, so he bought...
How to Make High-Protein Hay

Simple Steps

1. **Cut When Nutrients Are High.** Both grasses and legumes contain more protein before maturity. Usually they should be cut at an earlier stage than is customary, if the greatest amount of protein per ton and per acre is to be obtained. The Case Trailer-Mower hitched quickly to any make of modern tractor, takes a 7-foot swath, hustles hay down at the rate of three acres an hour. Quick cutting saves precious time, makes curing more uniform. Power take-off drive assures clean cutting despite rank growth or soft footing. The Case Power-Mower is a mounted type for Case tractors; has same speed and swath width. Both are built for extra ENDURANCE, for extra acres and extra years of fast, clean cutting.

2. **Finish Curing in the Windrow.** Let hay lie in swath only until leaves become limp by rapid loss of moisture through normal breathing action. Before any leaves are dry enough to shatter or bleach, rake into single-swatth windrows as high, as narrow, and as fluffy as your rake can make. Case side-delivery rakes have tooth-curve and motion designed to build windrows like that. Traveling in same direction as mower, they turn leaves mostly inside, sheltered by the slower-drying stems outside. That means more even curing, more leaves and color saved. Case tractor rake is geared slower for gentle action at modern tractor speeds; four reel bars instead of three assure clean raking at the faster rate of travel.

3. **Bale as Soon as Air-Cured.** Working at the same fast speed as tractor-power mower and rake, the Case Sliced-Hay pick-up baler keeps having “in step.” Before delay invites bleaching, shattering or damage by weather, the gentle pick-up eases the windrow into leaf-tight side-feeder and baling chamber, beyond chance of appreciable leaf loss. Hay is ready to bale when dry enough for bulk storage in barn or stack; bales take only a fraction as much storage space. Sliced Hay bales save leaves and labor at feeding time, too. There is no need to thresh off leaves by tearing bales apart; they divide into portions like sliced bread. Leafy, green and full of aroma, Sliced Hay promotes faster gains or heavier milk flow.

---

**No other feed costs so little nor does so much for putting milk in the pail and flesh onto growing animals as good pasture.** No other field-cured forage preserves so much of summer goodness for winter feeding as does hay properly put up by the three simple steps shown above. Follow the Case System as closely as you can with present equipment. See your Case dealer and plan for the complete system as soon as war limitations will permit. Send for free bulletin “How to Make High-Protein Hay” with table of time-to-cut for more than twenty hay crops. J. I. Case Co., Oakland, Los Angeles.
Ten years ago when we took over this farm, there was hardly a fence on the entire 467 acres and no livestock at all, except one cow. Crop yields were low due to many years of straight grain farming... a poor living for the tenant.

"But after completely refencing the farm, it was then possible to stock it heavily and bring soil-building legume pastures into the rotation. As a result, crop yields doubled in 10 years. Last year the corn made 80 bushels per acre... one sale of pure-bred Hamp hogs netted us $17,000.

RED BRAND Holds Up
"Our farm is completely fenced with RED BRAND, still in excellent condition after 10 years of service... good for many, many more years."

 Present Keystone Fence, though not trade-marked "Red Brand," is TOPS in quality.

KEYSTONE STEEL & WIRE CO.
PEORIA, ILLINOIS

RED BRAND FENCE
RED TOP STEEL POSTS

You know a brand means quite a lot.
All ranchers understand it.
So if you want the "Justin Boot"
Don't compromise. Demand it!

Edgar Warren, with son
Centerville, Michigan

three yearling heifers bred to TT Triumph grandson of Bakersfield, Calif., former FFA boy now serving in the submarine service of Uncle Sam's Navy. He bought three animals at $1,000 each; a yearling heifer, bred; a cow, bred, and a cow with a bull calf at side.

E. G. Webb, citrus grower of Lindsay, Calif., and a new entrant in registered Hereford breeding, was one of the active buyers at the sale, taking four yearling heifers and cows at $1,000 each and seven additional cows and heifers priced from $750 to $250 each. Five of the heifers carried the service of TT Triumph grandson of Bakersfield, Calif., bought two good cows with calf at side at $1,000 and $1,075 and three additional cows with calves at side, prices ranging from $500 to $975.

Gerald Montgomery, young breeder of Madera, Calif., bought a splendid cow at $1,800, bred to the 1944 Denver grand champion.

Jess Rodman, Fresno, Calif., bought an outstanding cow at $1,600 and took home two more priced at $450 each, and one at $825.

Balance of the sales were in a price bracket ranging from $460 to $900, with most of them exceeding $500. Buyers in this group included the following: Walter Price, Visalia, Calif.; Florence Rock Ranch, Prospect, Ore.; Smith & Freeman, Montesano, Wash.; John Gran, King City, Calif.; Dallton Bros., Madera, Calif.; Kermit Larson, Lindsay, Calif.; L. A. Loomis, Arroyo Grande, Calif., and George Silliman, Watsonville, Calif.

Auctioneers of the sale were Freddie Chandler and Earl Walter, assisted by press representatives.

Northwest Junior Show Opens in Spokane May 8

More than 400 entries have been received from 4-H Club boys and girls and FFA youths for the 10th annual Junior Livestock Show, to be held in the Old Union Stockyards, Spokane, Wash., May 8, 9, 10, 11.

Entries of beef steers, fat hogs and fat lambs are pouring in the show office from all parts of the Inland Empire, embracing central and eastern Washington, upper Idaho and western Montana. It is expected that the number of entries this year will exceed the record-breaking 1,500 in last year's show and sale.

Joint sponsors of the show are the Old Union Stockyards and the state 4-H Club and FFA offices of the three participating states. Show judge will be Dean W. L. Carlyle, who has judged all of the junior shows since their start 10 years ago. Sandy Keith, who cried last year's sale, probably will serve as auctioneer this year.

Judging will follow the Spokane system, wherein judges place the animal groups according to market grades rather than solely on the basis of individual merit. Champions and grand champions will be named, however, as they have been in the past.
TRADING BRUSH-LAND FOR RHODES GRASS

"Caterpillar" Diesel Tractors, equipped with tree-dozers, have cleared the mesquite, ebony wood, cactus and other growth from 100,000 acres of land for the King Ranch in South Texas. (Note "Running W" on D8.)

The Diesel D8, for example, with its 113 horsepower harnessed by positive traction, clears about two acres of such brush-growth per hour—at a small fraction of former grubbing expense.

Clearing and seeding this land to Rhodes grass increase its value for pasturage 500%, or more! Herds of the noted Santa Gertrudis breed of cattle, which this ranch developed, are thriving on pasture so reclaimed.

And many another rancher, in Texas and elsewhere, is improving pasture land by this same method of clearing—often opening the way for native grasses to reestablish themselves.

CATERPILLAR TRACTOR CO., San Leandro, Calif.; Peoria, Ill.
Yes...WESTLAND BRAND means fine SUDAN grass!

Among cows who know Sudan grass best...it's Westland Brand every time!

Yes...Westland Brand Sudan Grass is a hardy sorghum...ideal for green feed. Stock thrives on Sudan grass and you benefit from faster milk checks...faster weight gains. Packed and distributed by Northrup, King & Company, seedsmen since 1884...Westland Brand Sudan Grass is of extremely high quality. Super cleaned to take out noxious weeds and shriveled seeds, Westland Brand Sudan Grass gives you higher germination only possible from 100% new crop seed.

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Now offering a number of yearling and two-year-old bulls for sale
Also Palomino Horses
Please address correspondence to:
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W. P. BAKER Ranch located at
San Gregorio, Calif.

Late Release

CBQ

Exclusive to

For some months the price of cotton has prevailed on the auction markets in Cali. Now the prices are bringing many producers the moment on the Q

A tiny voice is saying that of the large family groups in cotton, another group with long-term, a group that has been on the market this July has been working in the state! Francis and Catherine, of the Price family of Los Angeles and San Francisco, have

The father is a Meterologist and the mother of a pioneer doctor in Los Angeles. This new member of the family is Catherine, now the "Q" in the Price family.

Uncle Bradd is a member of the family and has been to the Native American

An outstanding football player, son of a former deputy sheriff, has steady have a ranch that is one of the finest in the state. This is one of the pages of the

Melville E. Price, Jr., is an outstanding football player, son of a former deputy sheriff, has steady have a ranch that is one of the finest in the state. This is one of the pages of the

After a meeting with the President at the federal center in San Francisco, the president said that the situation is much the s
Late News
Releases
from
CBQ Ranch
Exclusive to Western Livestock Journal

For some months comparative quiet has prevailed at CBQ Ranch, Fresno, Calif. Now that silence is broken to bring many CBQ friends up to the moment on news.

A tiny voice has come to mingle with that of the lowing herd, for CBQ as a family group has been projected into another generation. To use a livestock term, a summer prospect arrived last July 5 to make his home with John Francis and Catherine Quinn Ganahl (see circle in illustration).

The father is 1st Lt. John Ganahl, C.O., Meteorologist at U. S. Air Corps Station and School, San Bernardino, member of a pioneer retail lumber family at Los Angeles and Anaheim. The mother is Catherine, the “C” in CBQ.

This new member is a source of great pride to his grandparents, who created CBQ as a heritage for their children—Catherine, Bradley and Aveline Quinn, the “Q” in CBQ—and their offspring.

Uncle Bradley Quinn, the “B” in CBQ, recently received a medical discharge from the Navy and has taken over active management of CBQ Ranch.

An outstanding calf crop is on the ground, some in the barn in preparation for fall auctions. So brisk and steady have been the sales from the ranch that it’s Little Top CBQ now. This is one herd which has sold its entire production, chiefly through the pages of the Western Livestock Journal.

Melville E. Willson, President of Willson Fertilizer Co., Fresno, purchased an outstanding CBQ Tone heifer for presentation to Paul Greening, Rolling Ridge Ranch, Pomona. The Messrs. Willson and Greening are associated as dealer and distributor in Shell Products.

After a most pleasant visit from Phil and June Shipley of Warm Springs Home Ranch, Moapa, Nev., they phoned CBQ an order for six foundation heifers as a start for the Hotel Last Frontier show string. They wanted much the same setup as Dr. Ned Gould of Modesto and D. R. Rodgers of Fresno and Corning had procured from CBQ.

The Hotel Last Frontier gets daughters of Real Silver 7th, Tone Domino 23d and Lorena’s R. Domino. These will be mated with a Tone son purchased a year ago. In addition a choice daughter of Lorena’s R. Domino was purchased by Mrs. Shipley to be mated with Real Silver before shipment.
SALES

Demand and Prices
Steady in Northwest

With a sharp eye on the future, cattlemen of the Pacific Northwest turned out in large numbers to attend the 11th annual Hereford show and sale at Lewiston, Idaho, Feb. 27-28, and a trio of spring shows and sales at Spokane, March 8, 9, 10, featuring Hereford, Aberdeen-Angus and Shorthorn breeding stock.

Sales figures indicate a continuing demand by breeders and commercial operators for stock of good quality with prices on the conservative side, but representing a favorable return to the seller and good values for the buyer.

Sale figures of the Lewiston Hereford event show 76 bulls sold for an average of $277.56 and 26 females for an average of $221.15.

Champion bull at Lewiston was Beau Aster UI 3d, sired by Beau Aster 14th, calved Sept. 13, 1943, and consigned by the University of Idaho. He proved to be the high selling animal of the sale when Auctioneer Earl O. Walter dropped his hammer on the $1,100 bid of Richard Taffier, Genesee, Idaho.

Champion female was Lady Zonan M. 93d, daughter of Master Promino 3d, calved March 1, 1944, consigned by Meacham & Sons. She topped the sale of females at $850 when George B. Weber & Sons, Unlontown, Wash., got the nod on their high bid.

A complete list of purchasers and representative sales of bulls and females was carried in the March 6 weekly edition of Western Livestock Journal.

Largest show and sale of the trio held at Spokane was that of the Northwest Hereford Breeders' Association March 9, when 168 animals were sold with 77 bulls bringing an average of $397.02 and 52 females an average of $430.54.

Prize winners in the show ring and top sellers in the sales ring reflected long experience in breeding and fitting good ones, for Herb Chandler of Baker, Ore., had the champion and reserve champion bulls and the reserve champion female. He consigned four of the six top selling bulls and one of the four top selling females.

Champion female of the show was an entry from the ranch of Albert Mehlhorn, Halfway, Ore. She was Lady Real 53d, sired by Real Prince D. 154th, calved April 15, 1943.

Top selling bulls were as follows:

$3,250—Advance Domino 6th, sired by Advance Domino 120th, calved May 9, 1943, consigned by Herb Chandler, Buyer, A. B. Blichcock, Spanaway, Wash.

$1,875—Harland Donald 2nd, sired by Don Donald 16th, calved Jan. 6, 1944, consigned by Herb Chandler, Buyer, O. C. Lucier, Lexington, Ore.

$1,500—Mark Donald 36th, sired by Mark Donald, calved June 1, 1942, consigned by Herb Chandler, Buyer, R. E. Coles, Walla Walla, Wash.

$1,000—Cascade Donald 4th, sired by Donald 16th, calved Nov. 4, 1942, consigned by Herb Chandler, Buyer, Herbie Cook, Top- 

end, Mont.

$1,000—HHR Advance Donald, sired by Advance Donald, calved Nov. 26, 1943, consigned by Ray Hatley & Son, Moscow, Idaho, Buyer, R. A. Jackson, Goldenlake, Wash.


One of a series of educational announcements by

ALLIED LABORATORIES, INC.

Operating:
Pitman-Moore Co., Indianapolis, Ind
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Siu Falls Serum Co., Siou Falls, S. D.
United Serum Co., Kansas City, Kansas

Easier Childbirth

Many a mother has of late been saved from the excruciating agonies of childbirth because of work done years ago by veterinarians. They owe this relief from the pangs of childbirth to the discovery, of spinal anesthesia, which serves to "block off" nerves leading to the abdominal and pelvic regions and the lower limbs.

This type of anesthesia was developed by European veterinarians. It was first demonstrated in this country in 1926 at a meeting of the American Veterinary Medical Association. Long before its use in humans, veterinarians had proved, through its use on animals, not only that it gave merciful relief during parturition and in many surgical operations, but that it could be employed with precision and safety.

Today it is a boon to mankind both in easing the pangs of childbirth and, especially in our armed forces, in surgical operations. This is just another debt which humanity owes to the pioneering work of veterinarians.

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"Triumphs"
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G. Merrill Peaslee, Mgr.

TEMPLETON, CALIF.
JUDY: I've got the runt's bottle, Pop. It's nice and warm.

POp: Good girl, Judy. You're a dependable little helper.

JUDY: What's dependable, Pop?

POp: Dependable's not like this pig. Dependable is when you can count on something. Like on Safeway.

JUDY: How's that, Pop?

POp: Safeway is always on hand to buy from us farmers. You don't have to chase 'em.

JUDY: Does Safeway pay us much, Pop?

POp: Yes they do. You see, Judy, Safeway buys direct from farmers and farm cooperatives and sells in their own stores. That cuts out in-between costs so both farmers and Safeway customers benefit.

Vegetable growers know Safeway buys best quality at best market prices

J. A. Oelkers of Carrizo Springs, Texas, specializes in carrots. He says, "The Safeway buyers seek out top quality produce, always paying the going price or better for it. We've been selling to Safeway for eight years and the price has always been satisfactory. The way I see it, our work of growing vegetables and Safeway's kind of selling fit together like peas in a pod."

Safeway THE NEIGHBORHOOD GROCERY STORES

NOTE: Better than a third of our customers are farm folks. Find out why. Trade one full month at your Safeway grocer's — and see how much you save!
KILL LIVESTOCK PESTS.... before they kill your profits!

FIGHT GRUBS, LICE, TICKS, MANGE, VERMIN, FLIES, MOSQUITOES . . . This Effective, Labor-Saving, Proved Way!

The Automatic Carrying and Dipping Machine is on the job 24 hours a day, all year round. Livestock use it as the need arises, when it arises! In one operation, your livestock carry their coats, and apply pest-repelling medicated dip oil. The animals do the work ... you reap the harvest of saved time ... saved labor ... and MORE PROFITS!

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All Steel Construction . . . Easy to Install . . . Inexpensive . . . For Cattle, Horses, Hogs . . . Will Last a Lifetime!

AUTOMATIC EQUIPMENT MANUFACTURING CO., PENDER, NEBRASKA

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B&N HEREFORDS
PULLMAN - WASHINGTON

We are offering a few cattle bred to or sired by our Portland champion.

BURNS (JOHN) & NELSON (A.HJALMER)
PULLMAN - WASHINGTON

Top selling females were as follows:

$600—Lady Mark 5th, sired by Mark Domino 100th, calved Jan. 2, 1945, consigned by Herb Chandler, Buyer, L. K. Smith, Glendora, Ore.

$600—Lady Reel 56th, sired by Reel Domino, Albert Mehlhorn, Halfway, Ore. $1,000—Lass 7th, sired by Promino, calved Sept. 20, 1942, consigned by Albert Mehlhorn, Buyer, H. D. East, Yreka, Vaaler, Ore.

$1,000—Promino Last 7th, sired by Promino, calved Sept. 20, 1942, consigned by Albert Mehlhorn, Buyer, H. D. East, Yreka, Vaaler, Ore.

One of the features of the sale was the number of good quality range bulls which went at conservative prices—in fact, some at bargain prices. There were also a number of females which appeared to offer exceptional value to buyers.

Some representative sales of Hereford females:


$600—Promino Last 7th, sired by Promino, calved Sept. 20, 1942, consigned by Albert Mehlhorn, Buyer, H. D. East, Yreka, Vaaler, Ore.

$500—Miss Promino 55th, sired by Promino, calved Sept. 20, 1942, consigned by Albert Mehlhorn, Buyer, C. E. Griffin, Okanogon, Wash.

$500—Miss Promino 55th, sired by Promino, calved Sept. 20, 1942, consigned by Albert Mehlhorn, Buyer, C. E. Griffin, Okanogon, Wash.


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$500—Promino 55th, sired by Promino, calved Sept. 20, 1942, consigned by Albert Mehlhorn, Buyer, H. D. East, Yreka, Vaaler, Ore.
Merritt Meacham & Sons

Announce the Complete Dispersion by Auction

of their herd of

Registered HEREFORDS

Monday, May 28

Roundup Grounds — LEWISTON, IDAHO

SELLING...

40 Cows of Mehlhorn, Reese Brown and Baca Grant breeding, including many Prince Domino N. 21st and Select Domino cows.

30 Bred Heifers, mated to Master Promino 3d and Junior Domino 2d. 10 heifers are of Lester Thompson breeding, balance same breeding as cows.

16 Yearling Bulls, bred the same as the cows.

2 Herd Bulls. Master Promino 3d by Beau Promino 115th out of one of Albert Mehlhorn's best cows now owned by Jaeger Hereford Ranch, Condon, Ore.

Many of the Cows are by

PRINCE DOMINO N. 21st

one of the greatest herd sires ever used in the West. His daughters have been great producers and in keen demand.

SEE FOLLOWING 2 PAGES

April 15, 1945
MERRIT Complete

MERRIT DISP.

TWO HERD BULLS SELL!

MASTER PROMINO 3d
An amateur photo of Master Promino 3d, a herd sire of proven merit. He is by Beau Promino 115th and his dam is one of the best of Albert Mehlhorn cows, now in the Jaeger Bros. herd at Condon, Ore. HE SELLS.

JUNIOR DOMINO 2d
A son of Junior Mischief, purchased by Willow Creek Ranch, Belt, Mont., from Taussig Bros. Junior Domino 2d was top selling bull at the Hidden Valley dispersion last June. His sire, Junior Mischief, is pictured below.

LADY ZONAN M 93d
Champion female at the recent Lewiston, Ida., show and sale, where she was sold at $850 to Geo. P. Weber & Son, Uniontown, Wash. She was sired by Master Promino 3d, pictured at top of page, and her dam was Lady Zonana M. by Zonan Domino. Thus both the sire and the dam of this champion are catalogued for our dispersion sole.

We have reluctantly made our decision to sell our registered Hereford herd. Both of the boys are in the armed forces and we are unable to obtain the labor necessary to conduct and build up the herd. Our main business is the growing of green peas and labor shortages force us to devote our entire attention to this department. When the Victory has been won and the boys come home, we expect to re-enter the registered Hereford business.

We are proud of this offering, the result of years of close selection, culling, and the use of the best herd sires we could obtain.
This is a grand collection of registered Herefords. The cows are of Reese Brown, Mehlhorn and Baca Grant breeding. Many are Prince Domino N 21st and Select Domino cows.

The bred heifers are of the same breeding with exception of ten Anxiety Herefords from Lester H. Thompson. These heifers are bred to the two herd sires which we are selling. The yearling bulls include several herd sire prospects, carrying as they do, the same breeding that resulted in our being awarded grand champion female honors at the recent Lewiston show and sale.

H. B. SAGER, Auctioneer

BOB TEALE represents Western Livestock Journal
For Catalog, write:

MERRITT MEACHAM & SONS
CULDESAC, IDAHO
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In 1876, eight years after the Civil War, the firm B. Hayman opened for business. From the beginning our policy has been to handle only quality lines of farm equipment. And we have always taken extreme care in the selection of B. Hayman dealers. Our manufacturers and our dealers are definitely hand picked. Listed below are some of the firms we are pleased to represent.

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2500 Acres Government Improved Farm Land For Sale

DESIRABLE CALIFORNIA & ARIZONA FARM LAND AND IMPROVEMENTS

CASH OR TERMS — WHOLE OR PART — IMMEDIATE POSSESSION

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<th>State</th>
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<td>Firebaugh Farm, 330 Acres, 26 miles west of Madera</td>
<td>Bid Opening, March 30, 1945</td>
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<td>Camelback Farms, 85 Acres, Phoenix, Arizona</td>
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Other Farm Lands are also available in California at—Yuba City, 204 acres—San Jose, 56 Acres Orchard—Indio, 100 Acres. In Arizona at—Yuma, 90 Acres—Golovater, 50 Acres—Eleven Mile Corner, 460 Acres.

Apply at once to Clyde C. Christensen, Chief, Sales Division, Farm Security Administration, 30 Van Ness Avenue, San Francisco 2, California, for Government bid forms. Details and Bid forms may also be obtained by contacting local County Supervisors of the Farm Security Administration nearest each property. See telephone Directories for telephone number and address.

863

tion ring. Both the show and sale were well attended.

Champion bull was Black Bertram of Meadowmere, sired by Blackcap Royal 3d, calved Oct. 7, 1943, and consigned by Meadowmore Farm, Deer Park, Wash. As befits a champion, this animal scored close to the top in the bull sale, going at $1,750 to Clive Roberts, Colfax, Wash.

In the female class the purple rosette went to Spring Cove Blackbird, sired by Woodlawn Duke 5th, calved Dec. 22, 1942, and consigned by A. H. Butler, Elida, Idaho. She was one of the top sellers but in the sales ring was moved out for highest selling honors when Lylout of Pal-A-Rey, sired by Blackcap Royal 21st, calved April 3, 1942, and consigned by Holthaus Bros., Cottonwood, Idaho. The reserve champion bull of the show, Davenport's Prizemere 10th, sired by the Canadian champion, Blackmore C.L., and out of a Rosemare dam, topped the sale at $2,000. Paul Davenport, Goldendale, Wash., bred and consigned the bull. John Smith, Portland, Ore., was the buyer.

Figures on the sale show 50 females went for an average of $378.60 and 24 bulls for an average of $432.50.

Top selling Aberdeen-Angus bulls were as follows:

$485—Bar Eaton 4th, sired by Clyde C. Christensen, Chief, Sales Division, Farm Security Administration, 30 Van Ness Avenue, San Francisco 2, California, for Government bid forms. Details and Bid forms may also be obtained by contacting local County Supervisors of the Farm Security Administration nearest each property. See telephone Directories for telephone number and address.


Top selling Aberdeen-Angus females were as follows:

$750—Royal Royalty of Meadowmore 5d, sired by Blackcap Royal 3d, calved April 20, 1940, consigned by Meadowmore Farm, Deer Park, Wash. Buyer, Dillard York & Sons, Walla Walla, Wash.

In the 29th annual Inland Empire Shorthorn breeders' show and sale at theHerefords. Laurence Mellergaard was sale manager for the Angus and Bob Teale, Western Livestock Journal, for the Herefords.

SHORTHORN SALE

In the 29th annual Inland Empire Shorthorn breeders' show and sale at the Herefords. Laurence Mellergaard was sale manager for the Angus and Bob Teale, Western Livestock Journal, for the Herefords.
Many Thanks and our Sincere Appreciation to the buyers and bidders and all others who made our fourth annual sale such a grand success!

Four sales • Four records • in Four Years

To the best of our knowledge, each of our four annual sales set a Hereford Breeder's all-time high Pacific Coast average up to the date of each sale.

This sale apparently set a number of all-time records for the Pacific Coast and all the area west of the Rocky Mountains.

Our average of $962.00 per head is, we believe, an all-time all-breed auction record out here.

Another all-time Pacific Coast Hereford record fell by the boards when John Owen of Riverside, California, paid $4,400.00 for a cow with calf at side. This is an all-time female high.

Another record was established when the lowest priced individual in the entire sale brought $450.00.

We are proud of these records, but frankly our chief pride is in seeing our cattle go into other herds and help make Hereford history on this coast, and we sincerely believe that the Herefords purchased in our 1945 auction will help improve the herds of their new owners.

Best wishes to the following purchasers:

DAULTON BROTHERS, Madera, California
DAUGHTON BROTHERS, Madera, California

FLOUNCE ROCK RANCH, Prospect, Oregon
JOHN M. GRAB, King City, California

GAYLE D. JONES, Bakersfield, California
KHER GOLDEN STATE HEREFORDS, Oakdale, California

KERMIT LARSON, Lindsay, California
LOUIS & EMMA LARSON, Lindsay, California

I. LOOMIS, Arroyo Grande, California
GERALD MONTGOMERY, Madera, California

JOHN E. OWEN, Riverside, California
WALTER PRICE, Visalia, California

JESS RODMAN, Fresno, California
GEORGE SILLMAN, Watsonville, California

SMITH & FREEMAN, Montesano, Washington
E. G. WEBB, Lindsay, California

WILLOWBROOK RANCH, Willits, California

J. J. WILKERSON, LeGrand, California

T. L. "Ted" HARPER
Owner
Telephone 2-8174 — Fresno, Calif.

O. B. "Goldie" GOULD
Herdsman

CLAIR POLLARD
Manager
Telephone 102F6 — Clovis, Calif.
Campeon Mercury.
Ida.
Ida.
MBICOt,
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owned
4th. consigned
mond 23d, a yearling daughter of Rothes
breeder,
$875, paid by Millard Eakin, Grass
Count, consigned by the University of
Idaho, The reserve champion bull,
ville,
Bohrs.
Excelsior 5th, sold for $525 to Fulfs
Wolf, Latah,
ting.
Sire
Prospects Have Been Selected for the Event.
historical records are being set each day
outstanding sires.
more than
nationally known breeder of
half of the
are vivid evidence of worth.
connection.
are designated the
GALLATIN GATEWAY, MONT.
APRIL 15, 1945
ning Ernest Monforton Announces
June 2nd Hereford Sale Date
Fifty Head of Finest Foundation Females and Herd
Sire Prospects Have Been Selected for the Event.
GALLATIN GATEWAY, Mar. 1.—“This is not a clean-
up sale,” Ernest Monforton, nationally known breeder of
Gallatin Gateway stated today, “I have selected individu-
als from the top of my herd, equal to the best being re-
tained in a base herd of more than 200 cows.”
Billings, Montana has been
designated the place of sale
for the convenience of those attending.
Additional
and accommodations are
furnished at Billings plus excel-
rent rail, bus and plane con-
nections.
This sale provides Hereford
cattle breeders a rare opportu-
nity to acquire the finest quality
and breeding.
Records established each year
by these Hereford-bred
cattle, at home and in the hands
of other breeders over the nation,
are vivid evidence of worth.
Watch for further information
concerning this notable event.
Be Sure—Buy Monforton
Herefords
John Blume, manager of Marellar
Farms, Libertyville, Ill., judged the
show and Sandy Keith of Spokan
was auctioneer. Carl Greif of Un同志town was

Idaho Bull Sale
Idaho cattlemen gave solid support to
the Annual Spring Bull Sale staged by
their association at Twin Falls. Featuring
purebred Hereford range bulls and
herd sire prospects classified by com-
petent judges prior to sale, the figures
show that 69 bulls averaged $314.85
with the top 10 computed at an average of $553.50.
Herbert Chandler of Baker, Ore., ran
true to form and consign some good
breeding stock, for the three top selling
bulls were from his herd.
Albert Wolfiefel, Mayfield, Ida., paid
$800 for Mark Donald 31st, sired by
Mark Donald and calved May 6, 1943.
A. C. Burns, Meridian, Ida., paid
the same price for Donald Hartland
7th, sired by Donald Domino 16th and calved
May 24, 1943.
H. E. Nettleton, Murphy, Ida., paid
$525 for Double Donald 3d, sired by Den-
We're Buying “Tops” to Produce Better Cattle for You!

WHR PROUD MIXER A
purchased at a cost of $9,000 in the Denver sale from Circle A Hereford Ranch, Morris, Ill. This great son of WHR Princeps Mixer is now in service in our herd... to produce better Herefords for our customers.

LADY REAL 53d
Champion female at the 1945 Northwest Hereford Association Show and Sale, March 9 at Spokane. She is by Real Prince D. 154th and her dam is a daughter of Beau Promino 115th. Purchased from Albert Mehlhorn, Halfway, Ore., at $1850.

We Keenly Appreciate...

... the substantial encouragement accorded our breeding program by buyers and visitors at the Spokane and Lewiston Hereford Sales. We are especially gratified to have our good senior calf, SHR Junior D. Mixer, placed first in a class of 24 animals entered by leading breeders of the Northwest Hereford Association by Judge Hendry.

We wish to thank the following buyers and wish them success with our bulls purchased at Spokane and Lewiston: C. E. McBride, Bickleton, Wash., buyer of our first prize senior calf, SHR Junior D. Mixer by Junior Mixer, CARL HARRIS, Lewiston, Ida.; J. D. LAEL, Opportunity, Wash.; ED. DESCHAMPS, Missoula, Mont.; and E. V. HEATER & SON Colville, Wash., buyer of our other four bulls sold at Spokane; and HARRY LINDEN, Central Ferry, Wash., buyer of our bull entered in the Lewiston, Ida., sale.

L. C. Staley, Owner
Frank Milne, Herdsman

April 15, 1945
AUTOMATIC ACTION

Produces Far Superior Leveling
Cuts Leveling Costs 75%
Saves Up To 2/3 Of Irrigating Time
Greatly Increases Crop Production

It Pays To Level With An EVERSMAN AUTOMATIC LAND LEVELER

Here is a LEVELER that cuts off the high spots, fills in the low ones AUTOMATICALLY—mounds the soil, breaks clods, smooths the surface and prepares a firm seed bed as the machine moves along.

Because of AUTOMATIC ACTION, a light, all-purpose tractor does twice the seed work and better work than ordinary floats or drags which require two or three times the power.

The EVERSMAN also has the exclusive patented power lift dirt moving feature, controlled from the tractor seat. The machine gathers a load on unplowed ground—moves fast on rubber tired wheels—releases a load automatically and levels the surface, or you can dump a load from the tractor seat.

The efficiency of the machine in getting a superior leveling job done at low labor cost—the saving of time, labor, and water in irrigating, plus increased crop yields—all point the way to the use of this proven leveler. Mail coupon today for further details.

Please Mention Western Livestock Journal When Writing Advertisers

Montana Type Polled Herefords
Means Quality and Weight for Age

Pleasing to the eye . . . the longer you look the better you like 'em. OUTPUT 400 per year means more and better. What an opportunity for selection—THINK!

Roberts Loan and Cattle Co. • Wm. Spidel, Pres. • Roundup, Mont.

H. B. SAGER — Livestock Auctioneer
Years of experience, knowledge of pedigrees, show records, individual merits, personal acquaintance with most of the breeders in the Northwest enable me to render you a service that will help make your sale a success. Write or wire early for dates. Phone 549W.

BOZEMAN, MONTANA

ald Domino 16th and calved June 4, 1943.
Another bull which brought $525 was
bought by A. D. Pierce, Malta, Ida. He
was Loren B. Jupiter, sired by Domino 4th and calved Aug. 20, 1943.
Seth Burststedt, Challis, Ida., was con-
signor.

C. W. Hickman, University of Idaho,
and Lyman J. Ippen, Malad, Ida., classified the bulls prior to sale. Earl Walter, Filer, Ida., and R. V. Swanson, Post Falls, Ida., were auctioneer and sale managers, respectively.

The Wittman Sale

Cattlemen from Washington, Oregon, Idaho and Montana recently attended the dispersal auction sale of Wittman Bros., Culdesac, Ida., and bid strongly on good Herefords offered in range condi-
tion.

Twenty-one bulls were sold for an av-
average of $390.71, 107 females for an a-
verage of $349.86, 128 head averaged $350.56, a real tribute to the Wittman 20-year
breeding program, as the cattle were set
fitted and came right out of the sale
into the sales ring.

Chester Sykes of Kalispell, Mont., paid
the top price, $1,150, for the bull Real
Aster 5th, sired by Real Aster and calved
April 1, 1941. Next high selling bull at
$1,000 went to Charles Shewell, Colfax,
Wash. He was Stanway Jr. 1st, sired by
Donald Stanway and calved March 21,
1944.

Albert C. Pratt, Grangeville, Ida., ob-
tained the good, top selling female at
$1,000. She was Princess Aster, sired by
Real Aster 5th and calved Feb. 21, 1943.
A heifer less than a year old commanded
the second high price of $825 in the fe-
nale class. She was Princess Pat, sired
by Panamaster 5th and calved April 11,
1944.

With purchases totaling $8,500, Heck-
man Bros., Cottonwood, Ida., who oper-
ate ranches on the Salmon River, were
the heaviest buyers.

The herd was sold to liquidate the busi-
ness of Bob Wittman, who left immedi-
ately after the sale for service in the armed
forces.

Auctioneer H. B. Sager, Bozeman
Mont., was in the box and Bob Teale of
Western Livestock Journal managed.

Biaggini Field Day Set for April 28

Cattlemen, Angus breeders, FFA and
4-H Club youth will descend upon the
San Jermimo Ranch of Ed and Stella
Biaggini, Cayucos, Calif., Saturday, April
28, to participate in the varied program
and enjoy the colorful barbecue which
marks the annual Field Day staged by
the well known California Aberdeen-
Angus breeder and his wife.

The program will get under way at
8:30 a.m., with an FFA and 4-H Club
tour of inspection under the direction of
J. I. Thompson, Cal-Poly livestock ex-
pert, and Harry Parker, who will serve
as judge throughout the day.

Each guest will be given a judging
sheet and, during the day, will have the
opportunity to inspect and judge pens of
Aberdeen-Angus segregated into various
classes. The program will break at
11:30 a.m. for a barbecue lunch and vis-
iting. Inspection and judging will end at
3:15 p.m. when Mr. Thompson summa-
izes the day and visitors are given the
opportunity to check their selection with
that of the judge. Final event of the day
will be a rodeo and calf roping.
CHANDLER HEREFORDS

WE APPRECIATE the reception accorded Chandler Herefords at leading sales to which we have consigned cattle during the past year. It is especially pleasing to realize that so many of the buyers are breeders who have been previous buyers, some of them many time purchasers of our cattle. We have followed the practice, during these days of difficult travel conditions, of bringing a number of our registered Herefords to consignment auction sales throughout the western country. Buyers have expressed their appreciation of this wartime accommodation through their liberal bids. We sincerely thank the new buyers of Chandler Herefords and wish them the success which so many of our older customers have reported.

OUR CONSIGNMENT at the Northwest Hereford Sale, held March 9 at Spokane, was extremely well received by buyers and Judge Sox Hendry, who awarded us Champion and Reserve Champion Bull, Reserve Champion Female, 1st prize two-year-old bull, 2nd prize summer yearling bull, 2nd prize senior bull calf, 3rd prize senior heifer calf and 3rd prize junior heifer calf. It was the fifth time we have been awarded champion bull honors at Spokane. Our bull topped the sale, our reserve champion female was highest priced female, and our consignment of eight head averaged $1476 each.

We especially thank the following buyers of Chandler Herefords at Spokane:

A. B. HITCHCOCK, Spanaway, Wash., buyer of our champion bull, Advance Hartland 6th by Advance Domino, at the sale top, $3250.

O. W. CUTSFORTH, Lexington, Ore., buyer of our reserve champion bull, Hartland Donald 23d, by Donald Domino 16th, at $1875.

L. K. SMITH, Grass Valley, Ore., buyer of our three females: the reserve champion Lady Mark 24th by Mark Domino 100th, at the sale top for females, $2225; Miss Donald 79th by Donald Domino 16th at $600; and Markette 47th by Mark Donald at $500.

HERRIE COOK, Townsend, Mont., buyer of our 1st prize Cascade Donald 4th by Donald Domino 16th at $1,000.

RUCHERT & SHELTON, Pomeroy, Wash., buyer of our 2nd prize Mark Donald 36th by Mark Donald at $1600.

VANCE DARLING, Colfax, Wash., buyer of our 2nd prize Mark Donald 41st by Mark Donald at $775.

BUYERS paid us the honor of appraising our cattle at complimentary prices in the sales rings throughout the Pacific Slope during the 1944-45 sales season. Preference, as expressed in prices paid in open competition, makes us feel that our breeding program is meeting the approval of those who count most—the breeders of registered Herefords.

A review of the sales season shows that Chandler bulls sold at the extreme tops at the following sales: Spokane, Twin Falls, Pocatello, La Grande, Klamath Falls, Tucson and Reno.

Chandler females topped the important sales held at Spokane and LaGrande.

That, you will agree, is a record of which we may well be proud. It also means a great deal to the many breeders who are using Chandler bulls and females in their herds for it proves that this old established line of breeding here in the West is making good in the West.

HERBERT CHANDLER
BAKER • OREGON
A better way to pump a well

We sincerely believe that any water well 100 feet deep or deeper is more satisfactory when equipped with a JENSEN Water Well Pumping Unit. The JENSEN is designed to make water cheap and dependable, and our experience goes back more than 25 years.

See your dealer, or send us his name and address and ask for Bulletin No. 26.

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RANCHERS!
KER-O-KIL
WEED BURNERS
are available to you!
Used for weed burning, disinfecting, etc
Write for FREE Literature.
KER-O-KIL MFG. CO.
Redwood City, Calif.

Here and There

Watch for unusual improvement in Angus cattle on the Pacific Coast. Several breeders have stepped out to buy top quality herd sires. Ed. Biaggini will introduce his new herd sire to the folks who attend his field day at San Jeronimo Ranch April 28. Mrs. Kernick Smith has the many times champion Bar Woodlawn from Woodlawn Farms at Hacienda de los Reyes. Thos. R. Dempsey has purchased from Charles McDowell an intensely bred Earl Marshall-Blackcap Revolution sire for his Palomar Angus Ranch at Pala, Calif. John L. McMahan, big furniture man, has a flashy new herd bull, Ever Marshall, intensely bred Earl Marshall bull, also from Charles McDowell. Earl Ryan, newly appointed manager of Palomar Angus Ranch and one of the greatest Angus breeders of all time, may be expected to make important announcements soon regarding additions to the Thos. R. Dempsey herd. Substantial prices have been paid for the Angus herd bulls going into service in California. Most of these good herd sires have been purchased at private treaty.

Paul Greening is developing a great Polled Hereford herd at Rolling Ridge Ranch, combining top Polled Herefords with the top horned Herefords he has been buying at the Great Western. Those who like to see good bone, scale and quality will enjoy seeing the Rolling Ridge Polls. Ortell Linner, a man who made history with registered livestock in Northwest Missouri, has just taken a job looking after the Polled Herefords at Rolling Ridge. Dean Rankin, experienced cowman, is manager.

Frank Vessels of Long Beach, who has indicated in no uncertain manner his desire to develop a top Polled Hereford herd at his ranch near Corona in Riverside County, Calif., picked off the top selling heifer at $3,250 at the Ft. Worth Polled Hereford sale to add to his col-

Blame yourself if "PINK EYE" blinds your herd

AFTER YOU READ THIS:

The dread disease called "Pink Eye" (or Keratitis) is now reported attacking and blinding cattle and sheep—particularly newborn calves and lambs—in almost every State! It's becoming a national menace.

If "Pink Eye" infects your herd, don't wait! Immediate treatment is necessary to save eyes from blindness! Security Pink Eye Solution has cured Pink Eye even in cases where inoculations and all other methods failed! It has been remarkable in preventing the spread of blindness.

READ WHAT BREEDERS SAY:
from Texas: "It really does the work. The calves are quickly clearing up. Enclosed find check for another bottle of Security Pink Eye Solution."
from Nebraska: "My neighbor has been using your Security Pink Eye Solution and had good results. Please send me a bottle."
Apply by spray or dropper. 2 oz. bottle treats over 50 cases for $1.50 postpaid. Send C. 0. D. if preferred. Guaranteed to cure or money back. Order now through your dealer or send directly to DEPT. W14

SECURITY REMEDIES CO.
144 West 27th Street New York 1, N. Y.

RUPERT'S JO TONE
Sires of Royal Breeding
in service at
Sycamore Hereford Ranch

Sycamore, Calif.

RUPERT'S JO TONE by College Joe Tone; dam by Hoxford Rupert 81st, her dam by Bonnybel.
MARK WESTON by Mark Domino 60th. Dam by Belmont Horthland.
Domino Triumph 2d by Triumph Domino by WHR Triumph Domino 6th.
CR Dandy Domino 7th, a Colvert Ranch bull.
Menty's Mischief Domino 9th, a W. T. Montgomery bull, and others.
Now offering 50 2-yr.-old Bulls and 75 Weaners for sale.
At ranch 6 miles east of Farmington, Calif., on State Hi-Way No. 4.
C. B. Orvis & Son
Phone Orvis Toll Station
FARMINGTON • CALIFORNIA
Nelson Brusa, Herdsman at Ranch

WESTERN LIVESTOCK JOURNAL
The Wittman Brothers

WISH TO EXPRESS THEIR DEEP APPRECIATION to all of those who assisted in the conduct of the dispersion of the Wittman Brothers registered Hereford herd, March 22. It is a matter of deep regret to both of us that it was necessary to sell the foundation herd which we had been building up over a period of 20 years. When we have finished our job in Uncle Sam's armed forces, we hope to again enter the registered Hereford business, but that will have to wait for victory over the Germans and the Japs.

Our appreciation and good wishes for success go to the following who purchased our registered Herefords at an average price of $356 per head, a very gratifying compliment to our breeding program in view of the fact that we had no time to especially prepare the cattle which came in out of the snow into the sales ring.

- John Lightfield, Cottonwood, Idaho
- Tony Wessels, Green Creek, Idaho
- Albert C. Pratt, Grangeville, Idaho
- B. F. Collins, Steptoe, Wash.
- Andrew Schultheis, Colton, Wash.
- Don Heckman, Cottonwood, Idaho
- Bill Holtenbeck, Asotin, Wash.
- Harley Brannan, Mohler, Idaho
- J. W. Briorley, Orofino, Idaho
- B. F. Long, Lewiston, Idaho
- Jack Penner, Waitsburg, Wash.
- Robert Sangster, Anatone, Wash.
- L. C. Staley, Pullman, Wash.
- Chas. Samwell, Colfax, Wash.
- John Heinstum, Uniontown, Wash.
- Kurdy Bros., Winona, Idaho
- W. R. Hawley, Baker, Ore.
- Melvin Johnson, Winona, Idaho
- Frank D. Collins, Cascade, Idaho
- Robert M. Fancher, Tonasket, Wash.
- M. Hostetler, Asotin, Wash.
- E. C. Martin, Myrtle, Idaho
- Art Benson, Kamiah, Idaho
- Edward E. Nuxoll, Cottonwood, Idaho
- Schwartz Bros., Ferdinand, Idaho
- Jaeger Bros., Condon, Ore.
- Florence Palmquist, Elk, Wash.
- Gene Schultois, Colton, Wash.
- Chet Sykes, Kalispel, Mont.
- C. B. Penner, Dayton, Wash.
- Ray Meyer, Colton, Wash.
- Everett Morow, Asotin, Wash.
- Wm. Deinhard, McCall, Idaho
- E. J. Platt, Lapwai, Idaho
- Harry Smith, Juliaetta, Idaho
- A. V. McCormack, Lewiston, Idaho
- J. A. Bentley, Grangeville, Idaho
- Walter E. Fairbee, Uniontown, Wash.
- Marion M. Holben, Genesee, Idaho
- M. T. Flock & Sons, Anatone, Wash.
- Joe Beach, Enterprise, Ore.
- Meacham & Sons, Culdesac, Idaho
- Max Halsey, Asotin, Wash.
- Melvin Johnson, Winona, Idaho
- E. J. Appleford, Anatone, Wash.
- Claude Clark, Juliaetta, Idaho
- Fred H. Magee, Genesee, Idaho
- Carl Sangster, Asotin, Wash.
- John Hodges, Asotin, Wash.
To Control Ground Squirrels

you can make the job easy — use

CARBON BISULPHIDE

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DEMON RODENT GUN

Atomize this powerful toxic chemical into the burrows. The most modern and efficient method of annihilation; it is positive.

Send for our FREE illustrated Circular 209J and get an early start on your Rodent Control Program.

WHEELER, REYNOLDS & STAUFFER

Division of Stauffer Chemical Company

636 CALIFORNIA STREET

SAN FRANCISCO 8

We Appreciate

... the complimentary reception accorded by buyers at the Lewiston and Spokane Hereford sales, where the four head of my breeding brought an average of $535 per head.

I want to especially express my appreciation to the following buyers and wish them success with their selections:

At Lewiston . . .

Harry Linden, Central Ferry, Wash., buyer of the yearling bulls, Royal Jr. Domino 7th at $500, and Evelad 1st at $300. Both of these bulls are by Royal Jr. Domino. The dam of Royal Jr. Domino 7th is by Prince Domino 9th; the dam of Evelad 1st is by Prince Domino 97th.

At Spokane . . .

Clyde McKenzie, Summerville, Ore., buyer of the bull calf, Worthy Domino 7th by WHR Worthy Domino 52d and out of a dam by WHR Worthy Domino 96th, at $800.

John Clerf, Kittitas, Wash., buyer of the heifer calf, Lady Domino 4th, by WHR Worthy Domino 52d, and out of a Donald Stanway dam, at $540.

EARL HIBBS

PULLMAN, WASH.
We have discovered that the Joaquin Ranch has a feed capacity to carry a cow herd of around 50 head. So, on the advice of Manager Sauerwein and Herdsman Ball we are offering just enough cattle to make the adjustment. Not culled cattle, for we have none. Neither are they tail-end cattle, for we have no place in our program for any but desirable foundation cows. We have hand-picked 16 head for this offer, mostly of Chandler and Thompson breeding, and mostly in their prime. We will regret to see these cows leave the ranch.

To Give You Extra Value
THESE COWS EITHER HAVE CALVES AT SIDE OR ARE BRED TO THE FOLLOWING HERD SIRES:

Donald Domino 26th, whose impressive herd is reproduced at left. This is the great proven herd sire purchased from James E. Stead, Nevada Hereford Ranch, Reno, Nevada.

CBQ Real's Tone 2d and CBQ Loren's R. Domino, sons of "Tone" and "Lorenas", purchased from the CBQ Ranch at Fresno, Calif.

Such services lend added value to this group of cows. See them! The above map shows how to reach the ranch.
The cattle-man’s most valuable equipment. Will last a lifetime.

FREE FOLDER

The above picture shows one Distributor assembled and shipped. The inlet (circled) has hopper detached to show working parts and mechanism. Developed especially for pasture and orchard improvement.

All heavy steel, electrically welded construction.

SPREADS ALL BROADCAST MATERIALS—TOP DRESSING—NITRATE—PHOSPHATE—LIME—SLAG—ALL COMMERCIAL FERTILIZERS AND SEED BROADCASTING OPERATIONS.

Pulled by wagon, truck, tractor, Capacity 35 gallons or 300 lbs. Can spread 25 to 40 feet at 15 mi. per hour.

Now in use in over 40 states.

ORDER TODAY—IMMEDIATE SHIPMENT

“Specify whether you want hinged wheels, wheels for tires, or with tires mounted. Price $100.00 (with tires $128.48) F.O.B. Factory.”

All Shipments paid in advance, C.O.D. or S.D.B.L. Attached.

DEALERS WANTED

H.P. RANDALL MANUFACTURING CO.

DEMOPOLIS P. O. BOX 272 C. ALABAMA

Only Lee COWBOY PANTS Have All These Features!

Sanforized—Shrunk!

* 11½ oz. Cowboy Denim!

Branded Cow-Hide Label!

Scratch-Proof Hip Pockets!

Money-Back Guarantee!

*Bags sizes made of Bex. Sanforized Denim

The H.D. LEE CO., Inc.

864 Prangton, Calif.

Kansa City, Mo.

Minneapolis, Minn.

South Bend, Ind.

Trenton, N. J.

John S. Day, owner of Blue Moon Ranch, Medford, Ore., is pictured with his favorite cowhorse. Mr. Day was recently elected president of Cal-Oregon Hereford Association.

Jack Haley, motion picture and radio star, is developing a nice ranch located nine miles southeast of Escenndido, Calif. Ninety to 100 acres are being planted to permanent pasture and the alfalfa acre-age is being increased. Irrigation pipe is being laid and an overhead sprinkler system installed. Clayton O. Rudd, manager, recently returned from a trip to Nevada, where he bought seven good long yearling heifers from Jim Stead, Nevada Hereford Ranch at Reno. These will supplement the foundation for a registered herd.

Ed Biaggini, Angus breeder of Cayucos, Calif., attended the Chicago show and sale and at $1,000 obtained the female Blackbird McHenry of Baralee 2d, consigned by W. L. Baragar of London, Ontario, Canada.

Ford J. Twaits, first vice-president of Pacific Coast Aberdeen-Angus Association, bought the reserve champion bull at the National Show and Sale recently held in Chicago. The bull was Trenmere of Wheatland 21st, consigned by James B. Hollinger of Chapman, Tex., and went to Mr. Twaits at $6,000. He also bought three other top bulls and three females.

Mrs. Kernick Smith, treasurer of Pacific Coast Aberdeen-Angus Association, bought four bulls and 10 females at the Chicago show and sale. In addition, she bought three young Pastelemre bulls and 14 females at private treaty.

Chris Larsen, Wilson Creek, Wash., has been steadily building up a herd of registered Angus and reports a strong demand for calves.

C. E. Stretchler, Beaverton, Ore., recently bought one of the good Duroc gilts in the sale of Harvey Deets, Kearney, Neb.

Jerry Griffin and Dan Childs of the Taylor Ranch in Ventura County, Calif., recently closed a deal with Shorty Peacock, manager of Perchino Breeding Farm at Arlemon, Nev., for what Shorty terms “the best bunch of Shorthorns I ever sold to one party in my 40 years’ experience as a herdman.” The Taylor Ranch gets 10 top cows, four heifers and two bulls in the transaction. The cows include such animals as Imp. Chum Beauty, Helfred Princess Royal, an unbeaten heifer on the eastern show circuit and many times a grand champion. Brae Ladge Buttercup, first prize winner at Sacramento and Los Angeles in 1941. “They are all daughters of great breeding bulls and real show cattle,” says Herdsman Peacock, who adds: “You’ll hear more of these good Shorthorns at the Taylor Ranch.”

Frank Vessels of Long Beach, Calif., paid the top price of $3,025 for a heifer at the Ft. Worth Polled Hereford sale. This was the second prize summeryearling heifer of the show and was bred by George Trenfield & Son, Follet, Texas. At Ft. Worth, 14 females averaged $607. 33 bulls averaged $418.

Walter Holt, livewire county agent since 1926 at Pendleton, Ore., has resigned to become associated with Harold Barnett, pea grower and wheat rancher and cattle feeder. Walter Holt was one of the best known county agents in Oregon. He “carried the ball” for both the ranch and annual Angus sales, as well as all-over livestock events in Umatilla County. E. G. Webb, successful citrus grower of Lindsay, Calif., entered the registered Hereford ranks when he purchased about 20% of the offering at the recent Sunland Hereford sale at Madison.
Mr. and Mrs. James E. Stead of Nevada Hereford Ranch, Reno, made a hurried trip to California and went back home with NHR Donald Domino 68th, a bull which has sired some top calves a bull which has sired some top calves. Mr. Stead sold the bull to Ted Harper and Stead also reports the sale of seven more NHR show heifers to motion picture star Jack Haley for his ranch in San Diego County.

De Berard Cattle Co., Kremmling, Colo., recently sold an outstanding bull to A. E. Boswell, Vermillion Ranch, Billings, Mont. Calved a year ago in January, he is a son of OH Royal Domino 43d out of a Royal M. Domino cow. He is half-brother to a $15,000 calf that went to Canada last fall and a $10,000 calf sold at the National Western auction the first of the year. Mr. Boswell also bought seven whiteface heifers.

Most outstanding Idaho 4-H Club project of 1944 was that of Wesley Fields of Gooding, according to D. E. Warren, State 4-H Club specialist. He fed and exhibited the grand champion carload of beef at the Ogden Livestock Show for the third consecutive time, defeating entries in both the 4-H and open classes. A second carload entry at the 1944 Ogden show won reserve champion. Fields, now 19 years old, started in 4-H Club work when he was 11.

Shorthorns, four roan and two red females, were recently purchased by Edgar W. Roberts, Colfax, Wash., from Olive E. Roberty, also of Colfax.

J. W. Huffman, Merced, Calif., breeder of Shorthorns, recently acquired a roan, a white, and two red heifers by Repeater 2d from W. S. Found, also of Merced. In addition, he took three other roan and four red heifers.

Arthur Rounds, Tonasket, Wash., recently sold a Shorthorn roan female by Okanagan Starlight, and eight heifers by Lookout Starlight 2d, to Pete Wolf, Twisp, Wash.

At the annual meeting of Yavapai Cattle Growers Association held in Prescott, Ariz., Bruce Brockett was elected president; Rob Perkins, vice-president, and Tom Rigden, secretary.

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We are deeply appreciative of the recognition accorded Mehlhorn Herefords by cattlemen, breeders and Judge Hendry at the Northwest Hereford Breeders Association Sale, March 9 at Spokane, Wash. Our junior yearling heifer, Lady Real 53d by Real Prince D 154th was first prize and grand champion of the show. We were awarded first, second and third on females calved before Jan. 1, 1943. Our pen of two bulls and pen of three bulls were each first in class. We especially thank the following buyers, in addition to Mr. Staley, purchaser of our grand champion female:

H. D. EAKIN, Grass Valley, Ore., buyer of the 1st pr. Promino Lass 7th by Oregon Promino 3d, at $1,000.

C. E. GRIFFIN, Oakesdale, Wash., buyer of Miss Promino 55th, sired by Beau Promino 115th, at $1,000.

FRED COX & SON, Grass Valley, Ore., buyer of Miss Mickey Dom. 7th, sired by Baco Domino C. 217th, at $600.

RAY WILEY, Northport, Wash., buyer of Lady Real 57th, by Real Prince D 154th, at $435.


RHUEIL SMITH, Bridgeport, Wash., buyer of Real Domino 86th, sired by Real Prince D 154th, at $365.

GLEN COPELAND, Walla Walla, Wash., buyer of Real Domino 83d by Real Prince D 154th, at $410.


V. E. GUNNING, Davenport, Wash., buyer of Real Domino 81st by Real Prince D 154th, at $380.

We have many more at home, both bulls and females, equal to our Spokane consignment, which sold at an average of $668 per head. Write or visit us.

LADY REAL 53D

Grand Champion Female, 1945 Spokane Show and Sale. Purchased by
L. C. Staley, Pullman, Wash.,
at $1850.00.
ILLUSIONS

Explode Myths About Civilian Use of DDT

Since the initial appearance of DDT a little more than a year ago a host of fabulous claims have been made for it, with most of them being fanciful rather than factual.

Most common misconception held by the public is that DDT is an "all-purpose" insecticide and is a finished product ready for consumer use. It is neither.

The DuPont Company has been operating a plant at Grasselli, N. J., manufacturing DDT in large quantities for the Army and Navy. Their scientists have been doing considerable research with the powdered, white material and are able to authoritatively clarify the picture as to civilian use of the product.

The fact is DDT is the basic ingredient in a half dozen or more military insecticides formulated for Army and Navy use. Each compound contains a little DDT, and a lot more of other components. Some DDT is shipped as 100% concentrate for compounding purposes in the field.

But it cannot be blithely assumed that the military compounds may be completely taken over for civilian requirements. Research must assure that an effective compound to control household pests does not liquidate a precious house-hold pet; that a compound to kill undesirable insects in an orchard does not kill the desirable ones.

One of the persistent, popular misconceptions concerning the use of DDT is that it can be dissolved in water and applied at will. The fact is, for all practical purposes, unmodified DDT is insoluble in water. It can be reduced with many organic solvents. It can be modified by the use of chemical conditioners to permit its use as water suspensions and emulsions for spray application. But, the point is, the public will have little or no facilities for using DDT in the concentrated form.

And still another illusion needs be impaled. The story goes that all insects are killed immediately on making contact with any surface coated with a DDT insecticide, and that the potency of the product remains undiminished for several weeks after application. But experimental tests don't bear out such claims. The statement is true in some cases and with some insects, but not in all cases with all insects.

When a thoroughgoing program of research and testing has solved the numerous problems that remain to be solved, commercial products will eventually be prepared. DDT will be packaged and sold for use as dusts, solutions, suspensions, emulsions, aerosols, pastes, and the like, each containing only enough of the DDT ingredient to control the pests involved.

Wrapping ax handles three inches back from the heads with fine wire prevents splitting and wear.

Washington and Idaho Breeders in Association

Cattlemen from eastern Washington and north central Idaho recently met in Lewiston, Ida., to organize the Lewiston Hereford Breeders' Association. Joe Thometz, county agent, served as chairman of the initial meeting, attended by 65 cattlemen.

Bill Platt, Pomeroy, Wash., was elected president; Ted Gehring, Reuterville, Ida., was named vice-president, and Ralph Nichols, Lewiston, secretary-treasurer.


Object of the association, according to Mr. Thometz, is to encourage and extend the influence of pure bred Hereford cattle, to promote the interests of pure-bred herds. Good foundation stock, all the product of Kings River Hereford Ranch, one of the country's largest pure-bred herds. Good values, attractively priced, in lots to suit customers.

Kings River Herefords

Wm. H. Collins

Offering First Calf Heifers with Calves at Side and Rebred Second Calf Heifers with Calves at Side and Rebred...

Good foundation stock, all the product of Kings River Hereford Ranch, one of the country's largest pure-bred herds. Good values, attractively priced, in lots to suit customers.

KINGS RIVER HEREFORD RANCH, Roy Richards, Supt., Sanger, California

Phones: Sanger 30-F-4 and 17-F-2
DOS PUEBLOS RANCH
Will Sell at Public Auction

100 Registered HEREFORDS
Thursday, JUNE 21
Starting at NOON at the Ranch

Goleta • Santa Barbara County • Calif.

Aside from just a few outstanding young bulls and heifers, we are offering the entire lot in ordinary pasture condition as we believe this offers us our greatest opportunity to give our customers real values in top quality registered Hereford foundation stock. We do not anticipate “high” prices and we urge those who are seeking really good breeding stock to take advantage of this offering of Dos Pueblos Herefords in our first auction sale.

Most of the cattle offered are of straight Dos Pueblos breeding—the same type of registered Herefords that have done so well for breeders throughout California. When you buy these cattle in pasture condition, you are getting the same values that attracted such nationally known and highly successful breeders as Milky Way Farms, now located in Arizona, and Otto Fulscher of Colorado. Both these herds draw heavily upon our good Prince Domino-Dandy Domino-Woodford-Repeater females for their foundations.

We have a two-fold reason for this sale, first, because we are carrying more cattle than our carrying capacity warrants; second, because we want to place our cattle with more buyers and make more friends for Dos Pueblos Herefords.

A. W. THOMPSON, Lincoln, Neb., Auctioneer
Assisted by EARL O. WALTER, Filer, Idaho

Dos Pueblos Ranch
MONROE RUTHERFORD, Manager
GEORGE QUIRRE, Cattle Supt.
GOLETA • Santa Barbara County • CALIFORNIA

The Offering . . .
8 outstanding Bull calves, 5 by Triumph Domino 21st, our Mission Hereford Ranch herd sire, a son of WHR Triumph Domino 6th; one by Pueblos Domino 447th, grandson of WHR Tommy Domino 18th; one by Pueblos Domino 356th, a great son of Dandy Domino 107th; one by Pueblos Domino 198th, sired by a son of Prince Domino 7.

7 yearling heifers, including two by Triumph Domino 21st, one by Pueblos Domino 299th (a “C” bull); one by Pueblos Domino 537th (by WHR Stanway Domino 48th); two by Pueblos Domino 269th (a “C” bull); one by Sun Prince Domino (sold for $2400 in the Sunland Hereford sale, March 26).

11 Bulls from the 1944 crop, most of them 15 to 18 months old at sale time, sired mainly by Pueblos Ranch herd sires. These are top range bulls.

11 bred 2-year-old heifers of Dos Pueblos breeding, carrying the service of CBQ Tone Domino 13th.

16 bred 2-year-old heifers, carrying the service of Pueblos Domino 527th by WHR Stanway Domino 48th.

25 yearling open heifers from the 1944 crop.

25 cows with calves at side and rebred to our herd sires. These are proven foundation cows, with excellent calves at side which will speak for themselves.
ways be given a preventive shot of tetanus antitoxin.

Choke in both cattle and horses is another condition that the livestock owner may be confronted with at some time or probably has already experienced. Choke in cattle occurs most often when they have access to various roots such as potatoes, sugar beets, carrots, and other food of similar nature. Apples are also a factor and do cause quite a bit of trouble. Apparently, most cases of choke resulting from these foods occur following rains when the roots and apples are wet. Horses may choke on ears of corn; however, most choke in horses in the western states occurs when the animals are on a dry feed such as hay, bran, oats and rolled barley, especially when these animals eat greedily of such foods. Older animals are most susceptible.

Symptoms of choke are recognized by sudden and sometimes severe that the thoracic and cervical. In the former, the mass is usually lodged near the termina­

Older stockmen and their description is owner is inclined to become panicky and resort to some method of treatment that may do more harm than good.

In cattle there are two types of choke: thoracic and cervical. In the former, the mass is usually lodged near the termina­

In the cervical type of choke in cows, the mass is usually lodged well up toward the upper part of the gullet and can usually be felt by palpitating along the jugular groove. Here the affected animal may show a lot of distress with restlessness, coughing, chewing, and forced swallowing movements. Slobber­

I have noted especially in sections of the range country where the cattlemen make a practice of putting the cattle on beet tops and consequently have con­

The use of various drenches in treating such livestock has long been a com­

Nature urges a calf to seek solid food before it stops nursing. But nature does not always provide an adequate ration to supplement the dam's milk.

That's why many cattlemen rely upon Larro Calf Builder (formerly called Gold Medal Calf Builder) to carry on—where the dam's milk leaves off. This feed is a carefully worked out blend of those ingredients which help your calves develop maximum bloom and early maturity. After four weeks of nursing or feeding the dam's milk, a pound or two of Larro daily, properly supple­

General Mills
Larro Feeds
DETROIT—SAN FRANCISCO—CHICAGO
(Address your letter to the nearest office)
The Central Livestock Markets have not mushroomed to their present position as the bulwark of the livestock and meat packing industry. First of these markets were established more than half a century ago. Others have been established in more recent years but each and every one was established with a view of serving and meeting the needs of producers in a certain territory.

Through wars, through depressions, through panics and various fluctuating financial trends these open competitive markets have faithfully performed their function of bringing buyer and seller together—providing neutral grounds for the establishing of fairly arrived at values through competitive bidding and salesmanship.

Ask any well posted stockman if he would be willing to go back to the days when stockmen had to depend on one or two buyers to buy the livestock they had to sell. He recognizes that where many buyers gather, there the best prices are to be obtained. The Central Market is that place.
**FFA’s Take to the Air**

Like Ducks Take to Water

Some of the enemies of the Allies may wonder if “FFA” means “Future Farmers of America,” or “Fierce Fighters of America,” for the members of this organization are scoring as warriors, and especially in the air. California has her share of these keen-eyed, deadly fighters.

In mid-February, the highest scoring American fighter pilot in the European theater of war was Capt. Ray S. Wilson, former Future Farmer of Kerman High School chapter, with a record at that time of 23 Nazi planes shot down.

In school he was shy and retiring, intensely interested in mechanics, fascinated by airplanes and gifted with remarkably good eyes.

He now joins the ranks of many other FFA fighters of California, among them Lt.-Col. Travis Hoover of Riverside, who flew with Doolittle over Tokyo and crash-landed on the China coast, and Ralph Hans, of the Red Bluff chapter, later at Cal Poly, who bagged five Jap Zeros in five minutes.

Dick Richards of Ox Bow Ranch, Prairie City, Ore., while attending the National Show in Chicago, had a reunion with his daughter, Sergeant Richards, of the WAC, who came from Washington, D. C., to meet him.

Lt. H. L. Patterson, owner of Diamond Ring Ranch, Ellensburg, Wash., is a new breeder of Aberdeen-Angus, having recently purchased 10 cows and one bull from the herd of Harold E. Bowman, Roy, Wash.

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**Appreciation!**

Our thanks to the following men who bought our cattle at auction and private treaty, at the Fort Worth, Texas Polled Hereford Show and Sale, March 9-18.

- **Frank Vessels**, Long Beach, Calif  
  - One female
  - Seven bulls

- **L. J. Moore**, Atlanta, Georgia  
  - One bull

- **Sam Swann**, Trent, Texas  
  - Two bulls

- **Otto Obenhour**, Vernon, Texas  
  - One bull

- **J. C. Collins**, Letts Worth, La.  
  - Two bulls

- **S. M. Prewit & Son**, Pecos, Texas  
  - One bull

- **F. H. McFarland**, Fort Worth, Texas  
  - One bull

- **R. H. Herndon**, Hugo, Okla.  
  - One bull

(x indicates repeat customers)

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**TRENFIELD POLLED HEREFORDS**

JOHN TRENFIELD, Manager

FOLLET (Lipscomb County) TEXAS
At the Northwest Hereford Breeders Sale in Spokane, March 8-9, our consignment of 4 Polled Hereford bulls averaged $512.50. This was one of the highest individual averages out of 49 consignors. The interest in Polled Herefords was keen and we wish to thank the following buyers and all who helped make the sale successful:

RUSSELL WOODFORD 4th ............ Tom Welsh, Gibford, Ida.
FAIRFAX BULLION ............. V. A. Thomsen, Mansfield, Wash.
RUSSELL WOODFORD 6th .......... Henry Bernard, Paulina, Ore.
RUSSELL W. BULLION .......... Rodenbaugh & Son, Cedonia, Wash.

We wish also to acknowledge the following sales made recently at the ranch: Ten heifers to Lavaid Musser of Orofino, Ida.; four heifers and a herd bull to R. E. Starr & Son, Summerville, Ore.; two bred heifers to Roy Newport, Detroit, Ore.; and one bred heifer to Paul Reynolds of Detroit, Ore.

Last fall after visiting several herds we selected Trumade Domino 42nd, a young son of John Rice’s Plato Domino 36th (pictured at left) as a new herd sire. He is a half brother to Trumade Domino 8th, who stood second in horned competition at Denver’s National Western and then went on to be champion bull at the National Polled Hereford Show at Atlanta, Ga. His full brother was in the Rice Show herd at Atlanta, where he was a member of 1st prize get of sire class, best six head, and was one of 4 Polled bulls shipped to Australia.

We also added to our herd Spidel 463rd, top selling bull at the Roberts Loan & Cattle Co. Sale last fall.

We predict a brilliant future for these young sires in our herd.
PROTECT YOUR CALVES!

White scours, a constant threat to your calves, exacts a heavy toll if not checked. Immediate treatment with Lederle’s Sulfaguanidine not only cuts down fatal results—it usually clears up infection before calves suffer the profit-draining after-affects of intestinal trouble.

By helping to keep white scours down to a lower level, Sulfaguanidine is saving farmers and stockmen much money. Extra profits can be yours if you use Lederle’s Sulfaguanidine promptly when white scours strike.

Sulfaguanidine is available in tablet, powder and OBLET forms. To get a free illustrated booklet about the advantages of Sulfaguanidine ask your dealer or write us.

LEDERLE LABORATORIES INC.
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA, NEW YORK 20, N.Y.

WHY-DIP!

BICE OIL SPRAY saves time, money, labor—a positive control for Cattle, Pigs, Hogs, and Lice and Mange on Hogs.

Range-tested, endorsed by leading ranchers. BICE OIL SPRAY is shipped prepaid in 5-gal. barrels. Write for full directions with each order.

BICE OIL SPRAY CO.
KERRVILLE, TEXAS

Lewiston
Polled Hereford Ranch
ADVANCE TYPE “POLLED” HEREFORDS FOR SALE
Herman Nordby & Son, Lewiston, Idaho

VANDERHOOF
Polled Herefords
WOODLAKE, CALIF.
Phone Visalia 43F14

Our Readers Say...

Cattle on Italian Front

For some time I’ve been trying to get some good pictures of these Italian cattle, but I’m going to send these even though they aren’t too good.

These are a three-purpose cattle; they work, are used for milk, and eaten for beef. They seem to do all right on their small farms with these oxen, although it’s slow work cultivating the soil with them.

Spring is here and the country is getting nice and green. Sure does make me homesick, as I know that little valley up there in Oregon will be looking its best this time of the year.

It’s almost certain that before many more months have passed Jerry will throw in the towel. We can’t say they are exactly on the run on this front, but you can bet the boys on this front line are slugging it out with them every day. I’m flying combat now—have in 35 missions as an aerial gunner at night bomb.

Everyone has been swell about writing. Bob and Stella Teale send me all the dope on the sales and Albert Melihorn lets me know how things are getting along in the Oregon country. Had a very interesting letter from Lum Earnest not long ago. He’s back out in the Pacific for the second time. My younger brother, a Signal Corps man up in France, says it’s really been a wet, cold winter up there.

I want to thank you and all the rest of the Journal staff for doing such a good wartime job. Sure hope your two boys in the Navy are making out all right.

Guess I had better call this good for tonight. Hope I can get home before too long, as I will be going to Los Angeles to see my mother and will drop in and see you.—S/Sgt. FRANK L. GARRITSON, Italian front.

Enjoyed in Africa and Italy

For the past couple of years I’ve had the Journal sent to me through my brother to North Africa and into Italy, and always enjoyed it very much. I knew that I am back in the “good old U.S.A.”

Curipamba
Polled Herefords
J. W. MERCER
Route 1, Box 66
Gilroy, Calif.

Sanborn
Polled Herefords
BULLS FOR SALE
Twenty-five of service age, up to 50 months, also weaner bull calves. These are regarded the best developed bulls we have ever offered. Price $250 and up.

FEMALES, TOO
The herd has grown to the point where some cows, heifers can be sold. Twenty-five are available. Inspection invited.

Homer L. Sanborn
MERIDIAN (PH: 5Y2) CALIFORNIA

Top of the Line

Western Livestock Journal

I expect to have been the one of the several last couple of years an improving far the bear in the market.

On the Bandwagon

Regret having been away for so long. I am now using the news and magazine HAM, 0/1.

Internal Eyes

I not only read the Journal, but helpful industry. To me that is most valuable which I am a big, but mold bureau. I have—THE REST

An Old Service Member

Enclosed here are some pictures that
Top Quality Herefords

... without Horns!

We have a number of really outstanding Polled Hereford calves coming along by our herd sires, King D and Van's Domino 63d. Some of them are out of our Polled Hereford cows, others are out of horned cows, including the grand champion John Runner heifers purchased at the 1943 Great Western.

We cordially invite your inspection of our Polled Herefords, including a number of herd bull prospects and range bulls.

Rolling Ridge Ranch

PAUL GREENING, Owner . . . . . . Ph. Chino 7312
J. W. (Dean) RANKIN, Manager . Ph. Chino 7316
P. 0. BOX 541
POMONA, CALIF.

King D. 29th

(176250) 3515631

King Domino (192815) 2244874
Mossy Plato 26th (162221)
Lea Domino 5th (127151) 719194
Grove Gem (68120) 1833483
Princess Gem (92765) 2263925
Princess Panama 17th (68120) 982571
Grove Gem (68120) 1833483
Ruberta Gem 2d (92764) 1955110
Dole Miscrief (128385) 1241966
Ruberta Gem (1259548) 982571
Panama's Lostie 41st (1153252)

King D. 29th, bred by Wm. Dingwall Co., Drummond, Mont., was top bull of the 1943 Rancho Pecho sale. He is an outstanding individual and is proving his worth as sire of naturally Polled Hereford calves.
Rosemeref Angus
THE PREMIER HERD

Herd founded in 1898 by Mother of present owner

We are bringing out a number of our best young bulls and best heifers which will be offered for sale at our Los Olivos Ranch in Santa Barbara County.

Visitors are welcome at the ranch. We will always have bulls and females of the well known Rosemeref quality to show you—and always have something good for sale.

OTTO V. BATTLES, Owner
YAKIMA, WASHINGTON
Los Olivos, Calif.
MAQUOKETA, IOWA

Registered
ABERDEEN-ANGUS
BULLS FOR SALE
J. R. GUTTRIDGE
Rt. 1, Box 1540
Elk Grove, Calif.
Phone Elk Grove 1953

Mensinger Angus
Purebred and commercial herds. Ranch located 6 1/2 miles north of town. Phone 7-5-3 through Farmington.
Merle Mensinger Escalon, Calif.

Aberdeen-Angus
STOCK FOR SALE
Registered and Unregistered
SAN JEROMINO RANCH
ED. BIAGGINI
Cayucos San Luis Obispo Co., Calif.

LUCY ANGUS RANCH
South of Merced. 2 miles on 99; west on Girard Ave. to first corner; south 1/2 mile; west 1/2 mile.

FREE BOOKLET
"Profitable Livestock Raising"
An interesting booklet for the Beef, Dairy, Hog, Sheep and Poultry Rancher. FOR GREATER PROFITS USE:
Peet Perfection Dip Peet Perfection Minerals — AGENTS WANTED —
E. M. PEET MFG. CO.
Council Bluffs 1230 13th Avenue Indianapolis
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Oakland, Calif.
Indiana

ABERDEEN - ANGUS
REGISTERED
Cows — Heifers — Bulls
Alpine Ranch Nancy Jane Ralph
James Ralph III
Redwood City, Calif.

BELLMERE ANGUS
ROBERT BELL
Woodland, Calif.

Earl O. Walter
Livestock Auctioneer
"A WESTERN MAN . . . FOR WESTERN SALES"
Write, Phone or Wire for Dates
FILER, IDAHO
The Pacific Coast Aberdeen-Angus Association

ANNOUNCES THE FOLLOWING SHOWS AND SALES DURING 1945:

SHOW AND SALE, Madera, Calif.
Registered Aberdeen-Angus
Sept. 9-10

SHOW AND SALE, Pendleton, Oregon
Registered Aberdeen-Angus
Oct. 14-15

SHOW AND SALE, Twin Falls, Idaho
Registered Aberdeen-Angus
Oct. 21-22

SALE Commercial Aberdeen-Angus,
Red Bluff, Calif.
Cows and Heifers, Range Bulls, Feeder Calves
Nov. 11-12

GREAT WESTERN LIVESTOCK SHOW,
Los Angeles
Sale Registered Aberdeen-Angus and Feeder Calves
First week in December

All cattle entered in these sales will be closely sifted so that buyers may be assured of top quality foundation material, outstanding herd bulls and range and farm bulls.

These shows and sales are held to acquaint western cattlemen and breeders with modern Aberdeen-Angus cattle and to enable buyers to make their selections from the herds of leading breeders.

For information on these sales, you are requested to write:
JIM GUTTRIDGE, Sale Manager, Rt. 1, Box 1540, Elk Grove, Calif.
Phone Elk Grove 1953

Pacific Coast Aberdeen-Angus Association

America's Fastest Growing Beef Breed
We Cordially Invite Inspection

Of our new herd sire, bred by Woodlawn Farms, Creston, Ill. . . .

BAR WOODLAWN

A son of Pastelmere and is out of a Barbara cow, he is an outstanding individual and winner of four grand championships and two reserve grand championships.

and 27 selected Females

selected at the National Angus sale and from leading breeders in the middle west. They are largely of Blackbird and Blackcap families and greatly strengthen our breeding program.

We are now getting some nice calves by BLACKCAP ESTON, our herd sire purchased a year ago. He is a half brother to the grand champion bull at the 1945 National Angus Show.

We Are Now Offering for Sale:

Registered and Commercial Yearling Heifers, Bred Heifers and grade cows with calves at side. We also are offering a number of registered bulls which will appeal to grade and commercial herd owners.

Phone 6F3 or 45F12

MRS. KERNICK SMITH
Owner

HAROLD CARTER
Manager

SELMA • CALIFORNIA

BAR L

RANCH

Thorp, Wash.

“Ask us about Angus”

HEIFERS :::: YEARLING BULLS

NOW FOR SALE AT RANCH

Sears Presents Herd Sire to University of Arizona

The dining room of the Adams Hotel, Phoenix, Ariz., was all decked out with fancy trappings for a big dinner and several hundred guests filled the big room. The guests were businessmen, cattlemen and educators from all over Arizona.

Conversation buzzed throughout the room as the diners awaited the appearance of the guest of honor. Suddenly he appeared in the doorway, his large frame almost filling it, and the guests broke into a roar of approval that fairly shook the walls and ceiling as it reverberated about the room.

And who was the figure that attracted such an ovation from a gathering of Arizona notables? Well, he was none other...
Bar Woodlawn Goes to California!

MRS. KERNICK SMITH
Owner of
Hacienda de Los Reyes
Selma, Calif.

Is the new owner of our many times Champion Bull which will head her herd of high quality Aberdeen-Angus.

BAR WOODLAWN 720549
(McHenry Barbara)

BRED BY STANLEY R. PIERCE, CRESTON, ILLINOIS

We are happy indeed to have this great son of Postlemere go into the herd of this progressive California breeder. Those who have seen him believe that he is possibly the best balanced young herd sire on the Pacific Coast. He is the winner of four Grand Championships, two Reserve Championships and fourteen Firsts at such major shows as Ogden, Great Falls, Wisconsin and Nebraska State Fairs. He was first in class in every show where exhibited except at Denver where he stood second. We urge our friends on the Pacific Coast to see Bar Woodlawn at his new home.

WOODLAWN FARMS
CRESTON, ILLINOIS

Stanley R. Pierce & Sons

Page 73
ADVANCED REVOLUTION joins GREAT OAKS
BARMAR, grand champion,
1944 Los Angeles
Great Western,
in service at Palomar

PEDIGREE OF ADVANCED REVOLUTION 809558

Epic Revolution 3" 610839
Epic Baron 470449
"Bar Quality
Erica Epic 3"

Erica Harrison 94"
"Blackcap Revolution 257269
Edith 2d of Eulaline

Advanced Revolution 809558 Calved Dec. 25, 1942
*Blackcap Revolution Again
"Earl Marshall 183780
*Blackcap McHenry 104th
149400

Pride Perfection 23" 441273
*Pride Perfection 21"
*Earl Marshall 183780
Pride Ever 146151

"Champions

We are extremely pleased to announce that EARL RYAN is now manager of Palomar Angus Ranch. Ernest Reynolds will serve as assistant manager. Mr. Ryan needs no introduction to those who have followed Aberdeen-Angus affairs during the past 40 years. He has the reputation of being one of America's leading breeders of Aberdeen-Angus cattle. He bred and exhibited seven International grand champions, all by EARL MARSHALL, herd sire in the famous Escher & Ryan herd in Iowa.

We cordially invite visitors to inspect our breeding herd. We know you will be favorably impressed with the outstanding group of females, a number of which now have promising young calves at side.

PALOMAR ANGUS RANCH

THOMAS R. DEMPSEY, Owner
Pacific Mutual Bldg.
Los Angeles, Calif.

Ranch located on paved high-
way, 6 miles southeast of Pala
in San Diego County.

EARL RYAN, Manager
ERNEST REYNOLDS, Asst. Mgr.
Pala, San Diego County, Calif.

A stud of Aberdeen-Angus. Henry Brown and his family from Scotland.

His sire Blackcap Revolution Again was double champion at the Great Western in 1944 and the International in 1926. The dam Pride Perfection is a daughter of Earl Marshall 183780, an outstanding sire that has produced many champions and winners in the show ring. We believe the Palomar stock is the finest in the country, and we cordially invite visitors to inspect our breeding herd.
ADVANCED REVOLUTION is the highest priced California-bred Aberdeen-Angus bull ever sold and goes into Thos. R. Dempsey's Palomar Angus Ranch herd at a cost of $5,000. He is one of the best headed Revolution bred bulls ever produced, with strong back, deep body, weighing 1,800 lbs. as a two-year-old in breeding condition. He has never been fitted or given extra care. He is an outstanding individual, from end to end. He was bred at Oak Park Ranch and we are proud to have him go to Mr. Dempsey for he will be mated to an exceptionally strong band of brood matrons.

A study of the pedigree of ADVANCED REVOLUTION shows that he originates from the McHenry foundation, tracing back on both the sire and the dam to the greatest animals imported from Scotland.

His sire, Epic Revolution 3d, was bred by Robt. M. Brown of Iowa. He in turn was by Epic Baron, a double bred Quality Marshall 3d, junior champion at the 1926 Chicago International and many other major shows, including the Sesqui-Centennial at Philadelphia. He in turn was by Earl Marshall (pictured at right as a two-year-old), the greatest sire the breed has ever known, having more grand champions to his credit than any other bull and winning "Get of Sire" for seven successive years at the Chicago International. His dam was sired by the International grand champion, Blackcap Revolution (pictured at the right as a two-year-old).

The dam of Advanced Revolution, Pride Perfection 25th, is one of the greatest cows the breed has ever known, both on her own individuality and particularly upon her produce. She was by Blackcap Revolution Again, an own brother of Blackcap Revolution. The grand dam, Pride Perfection 21st, a prize winner at all of the major shows in 1925 and 1926, was by Earl Marshall, and a grand-daughter of the 1st prize winner at the famous Perth, Scotland, show, Imp. Prince Felix of Ballindalloch, from the greatest herd in all Scotland.
BLITZ on Cactus
(Continued from Page 25)

the war, the project did not get under way until appointment of the Commonwealth Prickly Pear Board in 1920.

Progress during the early years was slow but the exacting work of those years established the project on a solid foundation that accounted for eradication of the prickly pear in a much shorter time than had been originally thought possible.

Without going into the numerous details attendant to each phase of the program, it was basically built on nine major lines of work as follows:

1. Search for and investigation of all insects attacking prickly pears and other cacti in North and South America.
2. Survey of the plant disease organisms affecting these plants.
4. Selection of the insects of greatest potential value.
5. Investigation of the food plant restriction prickly pear insects, including starvation tests on plants of economic importance.
6. Collection in America of stocks of the selected insects and their transport to Australia.
7. Acclimation in Australia of the introduced insects.
8. Large scale rearing in Australia of certain insects, their establishment in the field, and later their mass distribution.
9. Study of the progress of the established insects.

The value of the Cactoblastis Cactorum, a species of moth native to Argentina, Brazil, Uruguay and Paraguay, was established about 1924. Outstanding features of the moth are that it deposits, on the average, 100 eggs, thus ensuring rapid multiplication in numbers. The larvae are gregarious and possess two generations annually. They feed exclusively on the prickly pear, boring through the stems and segments of the plant. Their activities are accompanied by fungus and bacterial rot which hasten destruction.

Fortunately for the project, eggs of the moth are deposited in very regular chains 1 1/2 to 1 1/4 inches long which have been termed "eggsticks." The compact formation of the eggstick simplifies mass distribution, and the hard shell of the eggs and firmness of the stick allow handling, packing, transporting and liberating with a minimum prospect of injury. Also, conveniently, the incubation period of the eggs is never less than 18 days, thus the eggs can be collected and transported long distances with little danger of their hatching prior to release.

Six years after shipment of the experimental batch of 2,750 eggs from Argentina to Australia, the increase had been so fruitful that almost 3,000,000,000 eggs had been distributed through the prickly pear areas of Queensland and New South Wales. Distribution of the egg was in itself a stupendous job for it required that each eggstick be lightly glued to a piece of paper, then placed on a pear segment, the stick in contact with the segment and covered by the paper. Another method consisted of placing the eggsticks in quills in which several holes were punched in the segment and covered by the paper. Most of the eggsticks thus as eggs thus were hatched before release.

By 1938 the larvae of the Cactoblastis Cactorum had done their work so well that most of the original stands of prickly pear and, in so doing, had exhausted their own food supply. There followed an immediate sharp reduction in numbers which resulted in heavy regrowth of the prickly pear.

The Cactoblastis Cactorum recovered, however, in about a year and the prickly pear again succumbed to the onslaught of their appetites. By 1940 the prickly pear was virtually under complete control and great areas of the former dense pear country had been reclaimed and brought into production.

Total cost of the complete program over a period of 20 years was approximately $55,000 and the gains, running strongly into the millions, are still not completely realized. Benefits to other countries are undoubtedly tremendous for a great body of new scientific knowledge was created and prickly pear insects were shipped to South Africa, Ceylon, India, Dutch East Indies and New Caledonia.

Various species of the prickly pear exist in the Southwest and other parts of the United States and, as the plant spreads rapidly, it constitutes a menace to those areas. In the interest of the present and of future generations, a program of prickly pear eradication in this country might profitably be placed on the list of post-war projects.
The Sixth Annual Idaho FFA and 4-H Club Fat Stock Show, sponsored by the Idaho Falls Chamber of Commerce, will be held in Idaho Falls Friday, May 4. The show will be divided into beef, swine and sheep divisions, with awards and defense stamps going to the place winners in each division.

New feature of this year's show will be an increase in the prize money and the addition of more awards in the pen and animal showings to encourage a better showing of groups of livestock. Cash awards will run from $35 for first place to $10 for sixth place.

The Blackfoot Chamber of Commerce will give a cup to the high point school or club with the best exhibit, with the judging based on beef cattle, sheep and swine entries.

Four cash awards, starting with a top of $15, will be made for the best individual exhibit. It will be determined by the number of points an individual can score with the three classes of livestock.

Al Funke is chairman of the executive committee; Art Sylvester, parade committee; Harmon Toone, sheep division; Marion Forsyth, swine division, and Nile Taylor, beef division.

**STANDARD FARM SERVICE NEWS**

**Wheeled Feeder Makes Poultry-Tending Easier**

This handy feeder allows food to be put into a poultry coop without entering. It works just like a drawer, speeds up coop-cleaning.

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**More Heat Produced from Super-Refined Kerosene**

To insure full heat from your kerosene range or heater, use Pearl Oil. Because no impurities are left in Pearl Oil after special treatment at the refinery, it all burns—produces the maximum number of heat units.

**Adhesive Grease Assures Longer Lube Periods**

You don't have to worry about your grease-lubricated automotive engine waterpumps running dry between lubrication periods if you use RPM Waterpump Grease in them. It won't melt in high temperatures and float away.

To make sure your sanitation program is effective and complete, use parasite-killing Standard Poultry House Spray in cooperation with other methods of cleaning. It's all ready to use—no messy mixing is necessary.

**Rust-Loosening Oil Creeps Into Crevices**

You don't have to take a chance on barking your knuckles and twisting off rusty bolts if you apply some Standard Penetrating Oil before trying to remove the nuts.

**STANDARD**

Use waterproof RPM Waterpump Grease on irrigation and other waterpumps, too—both for scaling gaskets, when installing pumps, and for lubrication. Order your supply in 1-, 10-, 35-pound and larger containers.

Order a 1- or 5-gallon container.

Roy Gee and Clifford McMillan were recently unanimously re-elected president and secretary, respectively, of the Plumas-Tahoe Cattlemen's Association at a meeting held in Oroville, Calif. ***

Plans for construction of 20 stock pens near the roundhouse at Oroville, Calif., for use by cattle shippers was announced recently by Thomas P. Brown, publicity manager for Western Pacific Railroad Co. They will be built as soon as materials can be obtained and will augment the present group of four pens. In addition, the company will build about 500 feet of sidetrack.

* * *

**STANDARD OF CALIFORNIA**
The Texas Rangers were organized in 1835 and given legal status while Texas was in the midst of revolution against Mexico, and have been in almost continuous service to this time, except that now they are mechanized, and no longer ride forth on fiery little mustangs in keeping the bad people under control. There never was a set of men banded together to protect society that had more brains and more guts than them, and the rangers have proved themselves to possess.

Walter Prescott Webb, former head of the history department of the University of Texas, in his book, "The Texas Rangers, Century of Frontier Defense," describes the ranger as follows, to wit. Quote: "It was Eugene Manlove Rhodes who suggested that the western man—he was speaking of cowboys—can be understood only when studied in relation to his work. And so it is with the ranger."

"When we see him at his daily task of maintaining the law, restoring order, and promoting peace, even though his methods be vigorous, we see him in his proper setting, a man standing alone between a society and its enemies. When we remember that it was his duty to deal with the criminal in the dangerous nexus between the crime and the caprice, when the criminal was in his most desperate mood, we must realize that neither the rules nor the weapons were of the ranger's choosing."

"It has been his duty to meet the outlaw breed of three races, the Indian warrior, Mexican bandit, and the American desperado, on the enemy's ground and deliver each safely within the jail door or the cemetery gate. It is recorded that he has sent many patrons to both places. As strange as it may seem in some quarters, the Texas Ranger has been throughout the century a human being, and never a mere automation animating a pair of swaggering boots, a big hat, and a six-shooter, all moving across the prairies under a cloud of pistol smoke. Surely enough has been written about men who swagger, fan hammers, and make hip shots. No Texas Ranger ever fanned a hammer when he was serious, or made a hip shot. The real Ranger has been a very quiet, deliberate, gentle person who could gaze calmly into the eye of a murderer, divine his thoughts, and anticipate his action, a man who could ride straight up to death."

"When we see him in books written for those who love fiction, but we learn that he has never met men who swagger, killed, or raped. We ask why the Rangers never met the Texas Rangers, Century of Frontier Defense, and rode off."

FRANK M. KI NG

It's no "bedtime story"—the way blackleg used to wipe out animals! Still does, for that matter, but not where stockmen use BLACKLEGOL. Cutter's one-shot vaccine that protects for life. Blacklegol is "alhydrone"—which holds the vaccine in the tissues and releases it slowly. Get BLACKLEGOL, and get RESULTS!
to small powder vicariously." Unquote.

Prof. W. P. Webb has described the Ranger better than I could hope to do, though I have known personally a heap of Rangers and have seen some of them in action.

Of the early day Rangers I have met, here are only a few of them: The late Capt. J. B. Gillett, who wrote the book Capt. J. B. Gillett, and titled it "Six Years With the Texas Rangers, 1875 to 1881." He was one of the best in the service. When he passed on, he owned the Barrel Ranch near Marfa. His son still runs. I prize highly his book, autographed to me in 1935. I saw Capt. June Peak in 1878, but never met him on account he and his men were shooting it out with Sam Bass May 12, 1878, on Salt Creek in Wise County, Tex., as we passed along, and as it wasn't our fight we didn't stop to ask why they were shootin' at each other, but we learned later, and found out that Arkansas John of the Bass side was killed, and the Bass bosses were either killed or broke away, but the Bass bunch in a few hours was mounted and equipped and rode back towards Denton, where Sam Bass was killed that fall by Major Jones and a company of his Rangers. I have known Col. Jeff D. Milton ever since 1884. Just after he had left the service, I interviewed him on the condition of the Rangers at the age of about 17. His life story would make close friends ever since. He is now retired but has been a peace officer ever since he joined the Rangers at the age of about 17. His life story would make a book more exciting and stranger than fiction, but up to now he has not permitted it to be written. I have met others of that great service, but have not space here to mention them on account this is to really be a story of Capt. S. A. McMurray, who was a friend of my old pal W. L. (Billy) Amonett, who sent me the story, so here is what Billy wrote me, as follows, to wit. Quote: "In compliance with my promise some months ago I hand you herewith some data and the personnel of the Texas Rangers in the Panhandle of Texas that I became acquainted with during my short stay in that section. When I went into Jack, Clay and Wichita Counties in 1887, Capt. Lee Hall was the much talked of, and universally loved Ranger Captain of that section. I am positive, however, that he had left that section when I arrived there. In later years, subsequent to his Philippine service, I had the pleasure of a personal acquaintance with Lee Hall in El Paso, Tex., and found him to be a very fine gentleman.

"In 1888 I went into the town of Quanah, Hardeman County, with a broken leg acquired on the headquarters of the Big Wichita River at what was known as the "J. L." Ranch. Ranger Capt. S. A. McMurray had some men stationed at Quanah, Childers, Clarendon and, in fact, all over the Panhandle. Their duties were to lend assistance to the town and county officials of the organized counties, but to police and protect the unorganized counties in the sparsely settled sections.

"The personnel of Captain McMurray's command at that time consisted of about the following men: J. M. (Gude) Brittain from Parker County, Tex., second in command to Captain McMurray and a very outstanding peace officer, one who could command the respect and confidence of his men under him, but also of the citizens with whom he came in contact; the Platt boys, Tom, Johnnie and Sam, from Austin, Tex., all outstanding officers of the law; George Adamson, a southern Texas product; John Bishop, from around Austin; John Brittain from Parker County (no relation to Knude Brittain); Johnnie Brackin and Frank Martin, both from Austin, and while small in stature, both were very efficient officers; Tom O'Hare (Red

---

**GET THIS HABIT— and you’ve got “SHIPPING FEVER” licked!**

We’re talking about the habit of routine vaccination of your livestock. What’s more, we’ve got more than selfish reasons for urging you to vaccinate with Cutter Pelmenal.

Here’s why—

Many a stockman has been fooled by the very name “shipping fever”—has found out too late that any condition which tends to lower resistance can bring on hemorragic and bronchial infections commonly termed “shipping fever.” An animal doesn’t have to budge— yet severe climatic changes, or changes in feed, can make him prey to these infections. Long, hard drives, to and from ranges, are a not infrequent cause.

That’s why it pays to make vaccination with Cutter Pelmenal a routine practice—a habit that never gets broken on your range.

PELMENAL, like Cutter Blacklegol, is “alhydrolx." This means it’s chemically fortified—that the vaccine is fed into the animal’s tissues more slowly, and acts like repeated small doses of ordinary vaccines.

One more tip: if you’re planning to ship, better plan on vaccinating at least two weeks before with Pelmenal. Or, for that matter, with any vaccine you use—Cutter’s or anyone else’s. This gives the vaccine a chance to build up immunity to disease—and do the job right!
ANNUAL BREEDERS SALE
June 4th • 1945

HERD BULLS AND SHOW HEIFERS
by Comprest Conqueror and Comprest Mischief 2d

Females Bred to . . .
Comprest Conqueror
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Domino Boy 10th
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Write for Booklet which contains . . .
1. A brief summary of the origins of the Comprest cattle and their place in modern beef production.
2. The pedigrees of the cattle offered in this sale.
3. Copies of two advertisements submitted by the Bar 13 Ranch during the last 18 months to the American Hereford Journal and refused by them. Although we do not expect all breeders to agree with our point of view we are sure that most are interested in reading it.

BAR THIRTEEN
SHERIDAN, WYO.

END
Plan Old-fashioned
County Fair
An old-fashioned county fair, probably one of the comparatively few to be held this year, will be presented in Dixon, Calif., May 4, 5, 6, with the opening of the Solano County Fair.

Horse racing is out, but all livestock exhibits will be there as well as community exhibits, agricultural exhibits, and the always amazing work being done by FFA youths and 4-H Club boys and girls.

Two feature attractions have been planned which include a Horse Show with $2,000 in cash premiums for competitors and a rodeo which will feature a host of thrilling events.

The horse show will be staged by the Dixon Post of the American Legion with the Red Cross in charge. Seventeen events, all open, will be offered. Included will be classes for hunters, jumpers, three and five-gaited pleasure horses, and western events. Children's classes also will be offered.

Bob Bramby of Perkins, Calif., will present the rodeo, which will be a saner type of the normal daily gain of but one lb.

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And, of course, you want the best when it comes to credit too—low cost, convenient, understandable credit.

Drop in often at your local Bank of America or the Livestock Loan Department, 650 South Spring Street, Los Angeles; 25 New Montgomery Street, San Francisco.

Estimate Insect Pests
Cost Millions Annually

Lice, ticks, grubs and flies, the particular scourge of cattle during the months of July, August and September, reduce feed gains so drastically that the loss for the industry runs into millions of dollars annually.

Recent investigation by D. C. Robinson, district manager of the Niagara Sprayer and Chemical Co., resulted in this evaluation of the problem.

"Cattle in feed lots during these extra hot months show a gain of but one lb. per day instead of the normal daily gain of two lbs. A pound doesn't seem like much to fuss about but, in California alone, there are usually around 200,000 cattle on feed at all times. As cattle to-day will average about 15c per lb., an actual cash loss for those three months amounting to $700,000 may be charged flies. This, of course, doesn't count the loss in weight suffered by the hundreds of thousands of livestock still on the ranches."

Mr. Robinson's conclusion is that every ranch has a real need for a ditching vat and spray gun and the necessary insecticides to be used in them to kill these expensive pests.

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Dairy Auctioneer
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OSLH-STEHLZER Boot & Saddlery Co., TEXAS

Mavericks

by FRANK M. KING

I have received a couple of letters recently from that old bronc stomper and tophand cowpuncher, Shorty Wallin, and he is happy, now that he is in a country he loves. He is working for the Lennington cattle outfit near Fort Benton, Mont., along the Marias River, and he says, quote: “This is the greatest cow country known to man. Here they don’t need to make hay unless they want to. Cattle rustle on the range the year ’round, winter and summer, and stay fat as show cattle. This buffalo grass is the best cattle feed on earth. I see over 200,000 acres of old buffalo grass up and down the Marias River. She’s some range. Here antelope abound all over. They have a vast region to run on. God set aside mighty good homes for the Indians, bison, antelope and other wild animals, but these dry farmers, or better called ‘ground rats’, don’t belong here. They’ll have to go. I’ve seen dry farmer shacks here that look like dilapidated back houses, off there, surrounded by plowed ground. They are the same as Japs, they don’t count. They are destructive, selfish, unfriendly varmints. I’ll take the coyotes, prairie dogs and sidewinders. Them senators in Washington can have their drylanders.”

I’m told that the old ‘Flying D’ spread in the upper Gallatin has been bought lately by a Los Angeles syndicate. There is some 3,000,000 acres of range on that spread and they say they hold 85,000 head of Mexican cattle there. They have a big army of riders looking after the cattle. There are more big outfits in Montana now than there ever were before, according to reports. There are

RETIRED

He’s in the past’er left behind, a hoss that’s had his day.
What might be goin’ through his mind is mighty hard to say.
Yes, time and age has made a change, he can’t do work that’s hard,
Nor carry men that ride the range or take their turn on guard.
He knows about the rope corral at morning, night and noon.
He knows the wrangler’s voice and call; the night hawk’s droning tune.
He knows the way a circle’s thrown and how to point a drive;
And now they leave him here alone, too old but still alive.
He dimly recollects with pride the way he used to buck.
The hand that topped him had to ride or he was out of luck.
He dreams of Summer and of Spring, and then those days of grief,
The snow and mud and every thing, the late fall work for beef.
It seems he sort of understands the reason he must stay,
Just like a lot of old cow hands whose hair is thin and gray.
His work upon the range is through. He’s not so quick and strong;
In fact there’s nothing he can do, so he can’t go along.
©1945
—Bruce Kiskadden.

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thousands of riders over the country. I see that they hold regular hoss and cow sales at Wooly & Langden's stock yards, Great Falls, now, as well as here in Billings, Miles City, and Lewistown. There are lots of wild cattle and hosses up in the Bearpaws. Frank, there is a Blackfoot Redman here, who carves wild animals in wood, and displays them in his lodge. They are perfect, and the best I have ever seen. He is a gray-headed warrior, but has a white wife. You should see his work. I was in his lodge and told him about you and that you are part Cherokee. He wants to hear from you. His name is John L. Clarke, Indian Sculptor, 107½ Central Avenue, Great Falls, Mont." Unquote.

** * * *

IN THE NEWS LETTER of the Arizona Cattle Growers' Association, dated March 20, '45, I found an article written by my good friend Jack C. Kinney, who is an expert in breeding hosses and cattle, and while I don't aim to get into no horse argument, I have seen Jack's horses in action and I feel safe in vouching what he says as follows, to wit, Quote: "Cow men are cow men, but just mention horses if you want to see how many will get into the race-and here comes Jack Kinney to defend the Morgan Horse. He says in a letter, written March 18 at his La Osa Ranch, south of Red Rock: 'We do not "want to get into this horse argument" but we raise Morgan horses and like them. This is in answer to Jim Caldwell's inquiry in the News Letter, Feb. 27, where he says, "Doesn't anyone raise Morgans?" Going back a spell-when I was a cowpuncher at $60 or less, we had two classes of saddle horses-one called "circle horses" on which we went away out and brought the cattle into the roundup. This class seldom if ever had cow sense. The other, referred to in those days as "cow hosses" or "cutting hosses," were used to work in the herd, and we would change from our "circle horses" to our "cutting horses."" ** * * *

"The foregoing is in reference to "the tall grass country" where each cowboy had eight to 10 head in his string. Here in Southern Arizona, in the desert country where we've been for the past 32 years, it is usually necessary to carry feed for the horses, which made it necessary to reduce the string to two or three horses per man. The "circle horse" rarely made a good cow horse and the "cutting horse" was usually the short, choppy gaited and lazy type, the sort that would wear one out on a long ride. Necessity brings about invention. I believed that a good-gaited long-distance saddle horse could be created that would also have cow sense. We started nearly 30 years ago to develop that kind of horse and we succeeded. Here is a brief history of our experiment: We started with 40 so-called Spanish mares from Calif. and two stallions which were then called "Steel Dust."" ** * * *

"Our next stallion was half Thoroughbred and half Standardbred. That cross began to show results. In 1925 we bought 100 registered mares from the Richard Sellman estate at Rochelle, McCullough County, Tex., and seven registered Morgan stallions. Mr. Sellman started in 1885 with reg. Morgans and specialized for saddle horses. The Morgan is, in our opinion, the best all around saddle horse of any of the pure blood
strains of horses for cow work. We got two types of Morgans from Sellman's, the racey, or the Thoroughbred type, and the short coupled, or the Quarter Horse type. Any of our Morgans were fast enough for cow work.

"On our valley land here in the flood district where feed is good our horses are growing in size and weight. We are reducing them with selected Thoroughbred of the close coupled, heavy muscled type—selected for their mild disposition, good feet and heads. We select Quarter Horses the same way."

"We have saddle horses weighing 1,200 and over, but they have the action and speed. We sold a purebred Morgan (weight 1,350) to Mr. Keeling of Casa Grande, an old-time trail driver who knows horses, and he loves him and says he is plenty fast and quick on his feet. We are trying to keep our horses at about 1,250 lbs. We want to succeed fairly well. We have now on the ranch a few reg. Morgan mares and many purebred but not reg. We have one reg. Morgan stallion, one half-blood of our own raising, one Thoroughbred and one Quarter Horse. We have succeeded beyond our expectation in developing the kind of horse that we like, but we have no quarrel with anyone who disagrees with us. Mr. Jack Culley, author of Cattle, Horses and Men, with his son Matt came to see our horses. Mr. Culley said that we had developed a breed of horses all our own; that we might have them registered as a new breed." Unquote.

There has been considerable discussions over the range country as to what makes a brand grow when placed on calves. Here is a letter from that old-time Texas cowhand and trail driver, J. J. Ballard, on the subject. Quote: "Since I was big enough to ride a horse, 'back in the heart of Texas', I have heard the subject discussed of what makes a brand grow larger on some animals while it remains about its original size on the great number branded. I have never heard any satisfactory explanation. It usually resolves itself into the assertions: first, that it is governed by the 'Sign; whatever that is;' or second, that it is governed by the moon—a lot of things are conveniently laid on the moon! Let us examine each of these claims in some detail. The 'Sign,' so far as I have been able to discover, stems from the belief in astrology, that this pet theory of the so-called wise men, soothsayers and astrologers of ancient Babylon was pretty thoroughly punctured by Daniel, old Nebuchadnezzar and his son Belshazzar.

"Nothing here you can get your teeth into! No solid fact! Visionary! And now for the second assertion: That the moon could have anything to do with the brand is, I believe, equally absurd. If it caused the brand to grow large on one animal, why did it not cause it to grow equally large on several hundred others branded the same day? Answer me that if you can. But one well informed man argued to me that, since the moon had great influence on the seasons, the rainfall, etc., it could also affect the growth of the brands! The fact that Egypt has the same moon as we have and it never rains there, seems to have escaped him altogether. The fact is, the moon was a long way off at the time this
branding was done and could hardly be expected to bother with our small affairs. I think this pretty clearly eliminates both of these pseudo claims. And still there must be some cause or reason. I confess—it was not until recent years that the reason became clear to me.

* * *

"Then let us hear the conclusion of the whole matter. When a brand is put on with a hot iron, certain damage is done to the pigment of the skin. This damage is small or great according to the degree of the burn. For example, too heavy a burn will result in destroying the skin, and Nature, in its effort to heal the wound, will draw the hide together. The result will be what is called a scab, and is sometimes difficult or impossible to read. Conversely, if the burn is too light, it does little damage to the skin, does not impair circulation and therefore the brand will grow in proportion to the growth of the animal and the rest of the hide. So the whole matter is governed, not by some ephemeral influence of the 'Sign' or the 'drawing' power of the moon, or some other occult influence not fully known by man, but by the degree of the burn! So I believe and so I reason." Unquote. Mr. Ballard is now owner and operator of a cattle spread up near Winnemucca, Nev.

* * *

IN BROWSEING AROUND in literature (or was it?), I mavericked a few little items that I don't want my brand on. Like this little gem: "A man who had been stopping at a fashionable hotel was paying his bill. He looked up at the girl cashier and asked what was it she had around her neck. 'A ribbon, of course,' she said, 'why?' 'Well,' he replied, 'everything else is so high around here I thought it was your belt.' Then there was the colored Pullman porter, returning home unexpectedly and after taking a look around, got out his razor and began stropping it. The wife asks, 'What you amin' to do, Sam?' 'I'm dem shoes stickin' out from under de bed ain't got no feet in 'em, I aims to shave,' comes the reply. I think this pretty clearly eliminates the reason became clear to me.

* * *

Albert Anselmo Sends Sub to Davy Jones' Locker

Lt. Albert C. Anselmo, son of Frank H. Anselmo, one of the great Shorthorn breeders of the West, located at Priest River, Ida., was recently awarded the air medal for meritorious achievement in action against an enemy submarine in the Atlantic.

His citation states that "his initiative and skill contributed to the sinking of the vessel." At the time he was second in command of a Navy patrol plane.

* * *

Pete Gillham, former owner of U Circle Ranch at Oraclie, Ariz., is now stationed at Phoenix Sky Harbor and is commanding officer of Navy Air Transport from that field.

Price levels obtained by auction largely govern prices obtainable privately.

Fully realizing my obligations to all who employ me to conduct their auctions, I assure everyone every­where my best selling ef­forts throughout the fu­ture as in the past.

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CALIFORNIA

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in SERVICE

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Leader, and a full brother to Robie Mu-
A small select herd. The demand keeps
the bull supply down to mere

GEO. H. SAWYER
Waterford, Stanislaus Co., California

Boy Power

(Continued from Page 27)

recommended, although a No. 4 can be
used with success.

The nozzle should be adjusted so the
stream is directed opening with a stin-
ning drive, covering a circle of approxi-
mately two inches in diameter when
held at a distance of six inches. Pressure
should be maintained at 275-350 lbs. to
allow the spray to penetrate through the
hair and scurf to the skin. A very
efficient sprayer consists of an ade-
quite pump driven by two independent
outlets, allowing for two separate
lengths of hose and nozzles. Two oper-
ators can then work at the same time
one on either side of the chute, thereby
greatly increasing the speed of treat-
ment.

The point of the nozzle is held about
10-15 inches away from the back and
the spray stream directed downward
over all susceptible portions of the
withers, back, upper sides and loin. The
pressure must be sufficient to drive the
spray through the hair and scurf and
knock off the small scales around the
grub holes in the skin. With a pump capa-
city of four gallons per minute under
300 lbs. pressure, an animal can be com-
pletely and effectively sprayed in eight
to 10 seconds, with an average of one-
half gallon of solution per animal.

"When pens, chutes and help are ade-
quate for speed and efficiency in hand-
ing the cattle, more than 1,500 head may
treated a day by an operator with a
single nozzle sprayer."

The number of treatments varies with
herd management practices; three are
preferable but in most cases spraying is
done but twice a year. Mortality rate
in grub population, and subsequent
heal flies, is reported at 70% to 90% with
each spraying. Best time for treatment
is late winter and early spring with the
treatments about five weeks apart.

Timing varies somewhat in different
parts of the country according to
weather conditions and species of cattle
grub. Most important is that spraying
be done while grubs are in the back—
January to May—and before they have
dropped to the ground so the life cycle
is broken and the grubs do not hatch into
heal flies.

Control of the control grub and heal
fly are one and the same problem, and
control of the former assures there will
be fewer heal flies on the range the fol-
lowing spring and summer to annoy cat-
deeply and deposit on cattle the eggs which
eventually hatch out as grubs.

In areas where cattle graze on the
same or identical range, a successful
program of control requires that com-
plete community cooperation be given
during the grub season.

So, the problem is one that can be
lacked, even in these times. The gains
far exceed the cost and effort, and the
FFA boys in the Scott Valley of Siskiyou
County, Calif., have boldly pointed the
way and presented a real challenge to
other areas faced with the same prob-
lem.

Moisture is the greatest enemy of farm
machinery—it destroys paint, rusts and
pits metal, warps wood, rots canvas and
leather. It makes machines pull hard,
makes moving parts bind and causes
breaks and delays.
FIELD DAY
Trio Feeding Company
Demonstrates Hog Raising to Future Farmers

March rains sharply reduced the attendance but failed to dampen the enthusiasm of FFA youths who traveled from Pomona, Chino, Canga Park and Norwalk to attend the first annual hog judging by a practical demonstration in swine management practices, sponsored by the Trio Feeding Company at its extensive plant in Artesia, Calif.

With a wide selection of excellent Hampshire available to illustrate various phases of the program, and an imposing panel of hog experts on hand to give reality to their experience, the program was outstanding for its thoroughness and its extremely practical nature.

The boys were there either had hog projects of their own, or were in the process of acquiring one, so they were vitally interested in the whole show and were handsomely rewarded as well as handsomely fed for braving the rain and cloudy skies.

A pair of boys from Pomona Junior College proved to be the top judging team of the day, so the chapter was awarded a Trio Feeding Company 255-lb. registered Hampshire gilt sired by Artesia Traveler, out of Susanna, and a granddaughter of the famous Steam Roller. She is bred to California Masterpiece. The Pomona FFA contingent went into a huddle and decided the gilt should go to their fellow member, Ed Johnson, who was highest scoring individual in the day's judging.

Ed, a tall, modest 17-year-old senior at Pomona Junior College, is raising a pair of hogs in his FFA project and will add the gilt to his. He was a thrilled judge and placed next to his partner, Jack Richardson, who placed next to him in the judging.

Ed figures Uncle Sam is going to tap his shoulder almost any day now, so enter and responsibility for the gilt will be shared with Jack, then when Ed enters the armed service, Jack will take over the gilt.

Under FFA regulations, the chapter gets the top pig from the litter at farrowing time and the boy retains the sow and remaining pigs in the litter.

The program started with a type conference conducted by J. J. Thompson, a swine expert at Cal-Poly, who discussed the character of the breed, feeding quality, market qualifications and meat type. As he talked, gilts, boars and feeders were brought into the ring and the specific points were illustrated. If any parts of the discussion were not clear, the boys were free to ask questions and them clarified.

Having seen good examples of the breed and fortified with a clear concept of the program, the boys were given an hour to judge and place the gilt. Judging took place in various classes of hogs, given five minutes to judge and place them, and the conclusion of the period, Judges J. J. Thompson or A. C. Grundmann, hog buyer for the Coast Packing Company, gave their placing of the class and reasons for the placements. The boys were encouraged to raise questions and differences in their score card and that of the judge were discussed while the class of hogs remained in the ring.

The judging terminated at noon when the group adjourned to a garage where a splendid lunch was the result of many long hours of work by Mrs. Kosababian and the other women about the plant. The program concluded with a tour of the plant in which the boys saw feeding practices, farrowing pens, the commercial and registered herds.

They went home with a mighty good idea of what it takes for successful commercial operation and had absorbed a surprising amount of “know how” in a single day of well planned and well demonstrated practical instruction.

Jim Kosababian was ably assisted by the “Cappy” Ricks and Mike Yriarty, herdsmen responsible for the registered stock, and Tony Salas, who has been in charge of the commercial herd for many years. The splendid lunch was the result of many long hours of work by Mrs. Kosababian and the other women about the plant.

Harold D. Wilson, regional supervisor of agricultural education for the Los Angeles area, State Department of Edu.
**Monache Poland Litters**

for the spring of 1945 have arrived, all between March 1 and mid-April. In breeding, these range from a concentration of Golden Glory to blood entirely new on the Coast.

**FEATURING A FEW NOW, OTHERS LATER**

1. **Monache Glory Bee**, daughter of Golden Glory, litter of 9, the only one by Ben this year. He is the first Made Rite boar brought to California, half-brother to the $2000 Made Rite.
2. **Monache Charm**, a gift to the right above, grand-daughter of Golden Glory, litter of 7 by Constellation, son of Chief of Staff.
3. **Indiana**, Eastern sow of New Glory, Three Dimension blood, litter of 6 by All-American, from W. G. Anderson herd. This litter unrelated to anything in the West.
4. **Monache Clara**, daughter of Ben, litter of 8 by On to Glory. Both sire and dam out of Golden Glory daughters.

Booking orders for select fall gilts of Golden Glory blood, to be bred for fall litters.

**ROLLA BISHOP**

Porterville, California

---

**CRINKLAW**

**UTILITY-TYPE PUREBRED SWINE**

**POLAND-CHINA BARROW**

Visitors to the ranch will be shown specimens of these two major breeds, foundation animals carefully chosen from the leading California and Mid-West herds, in line with an expansion program to make our efforts of greater service to the industry.

**HAMPshire BOAR**

As Good as the Best in Both Major Breeds

In Poland-Chinas we retained the top replacement gilts from recent farrowings of our own breeding, as representing our latest advance toward definite goals. These have been enriched by the best we could obtain from other breeders. And in laying the Hampshire foundation the same high standards have been followed with the emphasis on modern form and feeding type, production-bred ancestry, large litters and the ability to raise them at a faster rate of gain.

Watch this space for further announcements as plans unfold.

**WM. D. (Bill) CRINKLAW • KIng CITY • CALIFORNIA**

(Sign on Highway 101, south of town)
Swine Interest
At Triangle Ranch

A. J. (Bud) Sample is one of the California purebreed swinemen who is going ahead with plans for a larger and better herd of Hampshires. His top gilt has been sold for replacement.

There are some sows which have proven their breeding worth, have been bred to bea number of 1945 farrowings to swell the number of 1945 farrowings to 80 litters. Most of them are by Triangle Roller, son of Golden Roller Conqueror, and Triangle Glory, son of New Glory. In reserve, and soon ready for use, is an exceedingly attractive pig by Road to Glory to be known as Triangle Glory Road.

Recent improvements will provide increased farrowing facilities. New lots, equipped with self-feeders and growing luxuriant Ladino pasture, will take care of the larger pig crop, providing the green feed which is holding down the cost of production. Despite the fact that Triangle Hampshires consume home-grown barley, the grain goes farther when used in connection with such nutritious green pasture as Ladino clover. Triangle market barrows are handled in this manner.

Two late fall gilts have been sold to J. D. Cole of Atwater for his son, D. M., to use as FFA project gilts. These are daughters of He Rolls ‘Em and Oakdale Whirlwind Flash.

Adobe Day for
Future Farmers

Renewing an annual event which was in operation in the pre-war period, Adobe Ranch near Madera, Calif., will be host to Future Farmers on May 5. It is expected that 500 judging team members from San Joaquin Valley schools will attend, those who survived the elimination contests. At Adobe they will work on beef cattle, dairy cattle, horses and hogs, receiving trophies awarded to Adobe Ranch, the chamber of commerce in Madera and other bodies interested in this type of agricultural education.

Not only will this event mark a very deep interest on the part of Mrs. C. S. Moses and Chas. Floto of Adobe, but they are being joined by several breeders of purebred livestock of many kinds in the county who will bring well chosen entries to the field day for use in the judging demonstration. Thus, the Adobe Field Day will be a county-wide event and breeders and ranchers are invited to join in the activities of the day.

Good Report From
Porterville Polands

A. D. Graves & Son have completed a most satisfactory farrowing season with their Porterville herd of Polands at Porterville, Calif. They are being joined by several breeders of purebred livestock of many kinds in the county who will bring well chosen entries to the field day for use in the judging demonstration. Thus, the Adobe Field Day will be a county-wide event and breeders and ranchers are invited to join in the activities of the day.

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+ + +

Healthy Pigs in Clean Surroundings
at the WEETH HOG RANCH, Coalinga, California

The above picture was taken expressly to show the model surroundings created by Waldo Weeth. Sows and litters are moved to these 'A' pens in the farrowing house prior to going to the colony where the sows have access to pasture and the little pigs get their ration in a creep.

READ WHAT MR. WEETH SAYS . . . .

"In our swine breeding and pork production program we have used ECONOMY PRODUCTS (Stock Powder, Mineral Compound and Dip) the past two years. We find the use of these PRODUCTS gives us excellent insurance against essential minor elements so often missing in grain rations and in the practice of sanitation. Remember a scrappy pig is a happy, healthy pig, and we believe in keeping them that way."

JAMES J. DOTY COMPANY, Ltd.
Successors to

Hearst Bldg.
San Francisco
DUROCS ESTABLISH RECORDS IN 1944

In spite of the general decline in hog production in 1944, activities of the Duroc breed were on a broad scale and accomplishments of the breed were many, reports B. R. Evans, secretary of the United Duroc Record Association, Freeport, Ill.

In all-breed market barrow competition, Durocs led the field by a wide margin in prominent livestock shows of the nation, Evans reports. He attributes the success of the "red" breed in the market barrow shows to the rapid progress Duroc breeders have made in type improvement. In all sections of the country, Duroc breeders are now producing a uniform, medium type hog that is not only practical in the feedlot but also pleases the eye of the packer buyer at market time.

Topping off the enviable list of barrow championships was the 1944 National Duroc Ton Litter Contest. Average 180-day weight of the 92 litters raised in 18 states was 2,443.81 lbs.—226.87 lbs. per pig. Winner of the contest was Herbert Niehaus, Florissant, Mo., on a litter of 15 pigs weighing a total of 4,060 lbs.—over two tons of pork from one litter.

Ton Litter Sire of the Year

The nation's leading ton litter sire of the year of all breeds was a junior yearling Duroc boar, Invincible, owned by Kehl Bros., Stockton, Ill. Invincible sired eight official ton litters averaging 2,462.23 lbs. at 180 days—an average of 243.18 lbs. each for the 81 pigs included in the eight litters. Extra dollars, as well as extra pounds, resulted from these sensational litters as each litter sold for an average of $1,038.60, the majority of the pigs having been sold for breeding purposes. This boar's superior siring ability was no accident, as he is a grandson of the $2,000 1941 Minnesota grand champion boar, Proud Cherry King, one of the breed's greatest living sires. Invincible had been purchased at six months of age for $855 from Roy Vander Ploe, Monroe, Iowa.

In volume of purebred animals sold, Durocs again led the field. Based on public sales reported to the Duroc Association office, 9,116 head of purebred Duroc boars, open gilts and bred gilts were sold during the year. In addition to this are a number of unreported public auctions and countless private treaty sales. The average on bred gilts in the 1944 winter sales was $105.78, open gilts in the fall sales averaged $70 and boars in the fall sales averaged $85.76. Steady prices at a profitable level for both buyer and seller were characteristic of the Duroc sales with few extreme prices being registered.

Highest price recorded for the year was $3,000 paid for Tops, 1945 reserve grand champion boar of Iowa.

In spite of labor shortage on farms, Duroc breeders are participating in sow-testing work on a larger scale than any other breed and the number of litters nominated for the Duroc Production Registry in 1944 was 1,181, the same number as in 1943. Based on superior production records of their offspring, four Duroc boars qualified for Production Registry recognition during the year. Duroc PR requirements for a sow are to raise within a 15-month period two litters of eight or more pigs weighing at least 200 lbs. at 56 days of age. The Duroc Association plans to revise these requirements in 1945 so that more recognition can be given single litters that meet minimum PR requirements.

56-Day Weights Significant

Litter weights at 56 days are an accurate indication of weight at 180 days, or market age, according to a study of the results of the National Duroc Ton Litter Contest. This showed that heaviest litters at weaning time were also heaviest at 180 days. The average 56-day weight of 84 of the 92 ton litters was 376.37 lbs. (35.40 lbs. per pig), whereas the average litter in the United States weighs only 167 lbs. at weaning time. The 20 heaviest ton litters of the 92 had weights over 2 tons of pork from one litter.

WEETH
Hampshires • Spotted Poland Chinas • Durocs

Here are the six registered gilts purchased in the California Hampshire sale in Tulare recently. Photo taken in front of the farrowing house. These suggest the type of purebreds which have gone into the Weeth foundation.

Grain fed pigs from start to finish . . . . We feed NO garbage

W. W. Weeth . . . . Coalinga, Calif.

S. S. KIRK, Herdsman
The National Duroc Congress held at Austin, Minn., Aug. 17, 18 and 19 included a breed type conference and a national breed show and sale that drew an attendance of over 1,200 breeders from 27 states. The Type Standardization Committee of the congress emphatically pointed out the practical value of Duroc breeders adhering to a middle-of-the-road type in future development of their herds. They discriminated against both the extreme rangy and the extreme chubby types. The medium type, they pointed out, is practical in the feedlot and also acceptable to the packer, thus making it the most profitable type to raise. Entries in the Duroc Congress Show were recorded from 15 states and in the public auction of prize winners the average was $202.

Pedigree recordings for the fiscal year 1944 dropped 24%, although the total amounted to the substantial figure of 57,173, exceeding total recordings of the major swine breeds by a large majority.

In August, 1944, the Duroc Association adopted a new ruling for encouraging promptness in transfer of pedigree certificates to new owners. The fee on transfers made within 30 days of date of sale was eliminated, whereas a gradually increased penalty fee is charged on all transfers delayed more than 30 days.

+ + +

New System of Collecting Membership Dues

Beginning April 2, 1945, Idaho Swine Producers Association inaugurated a new system of receiving membership dues. Two cents for each hog marketed will be paid by Idaho hog growers to finance the enlarged program of their reorganized state association. This will amount to about 50 to 80 cents per year for the average Idaho hog producer.

Livestock marketing associations, commission and auction yards, private buyers, butchers, packers buying direct are cooperateing in the program by collecting the fees from the seller at the time of sale and forwarding the membership fees to the treasurer of the association. Hog producers who do not desire to support the state organization may have the money paid in as dues refunded by making such a request to the association treasurer.

Officers of the association are: B. D. Murdoch, Idaho Falls, president; Roy Shutwell, Boise, vice-president; Earl L. France, Gooding, secretary-treasurer. These officials, together with C. W. Hickman, head of the animal husbandry department, University of Idaho, Moscow, and E. F. Rinehart, extension animal husbandman, Boise, make up the executive committee.

+ + +

Average inventory value per head, Jan. 1, for all cattle and calves in California was in 1940 $44.90 and in 1945 $82.50; for milk cows per head in 1940, $64, in 1945 $115; for sheep and lambs per head in 1940, $6.70, in 1945 $10.20; for hogs per head in 1940, $8.40, in 1945 $21.40; for horses per head in 1940 $91, in 1945 $206; for mules per head in 1940 $102, in 1945 $108.
PREFABS

Shop Made Farm Buildings
Loom on Post-War Horizon

By HARLEY M. WARD
Masonic Corporation

PREFABRICATION, the biggest development to date in the housing field, will hit its stride along a new avenue—the shop-construction of small Presidio farm buildings.

Lumber dealers and woodworking plants, both big and little, serving farmers throughout the nation today, are building or setting up simple jigs to start forming prefitted sections that will go together on the farm with record speed. Just as soon as building restrictions are lifted to provide needed hog houses, silos, poultry buildings and similar farm buildings.

The structure, built with prefabricated material, is light and can be easily moved to new pastures (in a frame sled) that are free from worm and disease infection so dangerous to young livestock. Such structures afford better sanitation and lower cost of construction per animal houses. Because of its low cost and because it can be easily moved, renters find it especially suited to their use. Individual units can be purchased as needed and a large outlay of cash is not necessary for buildings with which to start in the livestock business.

The buildings are so designed that they can be formed into purpose buildings because they have so many uses. This is very important because of our changing agricultural methods. Farmers who provide good housing and practice correct sanitation find it very profitable. They report raising 20% to 30% more pigs from the same number of sows. They also raise thrifter and more uniform pigs. More pigs reach the market—labor, for example, larger profits are made.

The Colorado State College Bulletin 3249 states: "The average of the group using movable farrowing houses saved 1.8 more pigs per litter than the group using stationary houses. The good start of the pigs farrowed in movable houses, because of their greater thriftiness and vigor, enabled them to grow into 200-lb. porkers 66 days sooner than those pigs farrowed in the stationary houses."

Many of the advantages listed above apply to poultry buildings also.

Then, too, if the farmer wants to increase his project he can easily and quickly buy more sections and increase the size of his buildings.

Average $188

For free illustrated booklet describing our foundation herd purchased from famous Corn Belt breeders, and our prices, write to

Neal E. Tourtellotte
403 White Bldg. Seattle 1, Wash.
California Hamps
Sell in August and October

At a meeting of the board of the California Hampshire Swine Breeders' Association, a decision was reached to hold the next state sale Aug. 25. Among those present was a definite preference in favor of Tulare, where the last sale proved so successful, but this matter is being presented to the membership for approval. J. G. McMillan of Tulare heads the committee in charge of this summer sale. The plan is to seek consignments of top gilt from Cornbelt herds and to hold a type conference the day previous to the sale. This gilt's conference will be conducted by an eastern judge who will also arrange the sale order for the auction. Jim Kosababian of Artesia is the chairman of another state committee which will conduct a fall sale at Los Angeles Oct. 20. New consignors will receive special invitations to participate.

It is understood that the August sale will feature bred gilts, with a few open gilts, breed sows and young boar, while the October sale will put the emphasis on young boar and open gilts, with a few bred sows and gilts.

+ ☐ +

Hamp Sales Made by Allen Harris

A. C. Harris, Hampshire breeder of Tulare, Calif., reports the sale of six gilts to the Keller-O-Ranch at Chino, Calif. Three were in pig to Saugus, son of the $5,250 Golden Roller Conqueror and grand-dam of the original "Steam Roller," while the other three were bred to Victory Liner, son of Luxury Liner, purchased in dam from Lang & Son of Brooklyn, Iowa. Victory Liner has been sold to Waldo Weeth of Corning, Calif. A full brother is in use on the Tulare Union High School Farm. Two top fall gilts have gone to the Wm. D. Crinklaw herd at King City, Calif., and a full boar to W. W. Boswell of Corcoran, Calif.

Additions have been made to the Harris herd, including a "Mercury" boar from the Dudley-Ranker Ranch at Riverside, Calif., and two famous sows from R. S. McMillan of Saugus and Los Angeles—O'Rourke's Lucy of O'Bryan's Roller and O'Barrie's Roller by Our Fashion Roller.

+ ☐ +

George Hensley's Famous Hamp Sow

California's Roller Lady is carving out a notch for herself as one of the topbred sows of the Hampshire breed in the state. She makes her home with George Hensley of Sanger, new secretary of the California Hampshire Breeders' Association. Her progeny from previous litters has been sold into some of the best herds in California, thus making her influence widespread. "Lady" has just farrowed, raising 13 out of 13. Mr. Hensley expects them to qualify as a Register of Merit litter.

+ ☐ +

Best tops are well suited for ensilage and should be put into the silo promptly clean as possible and put straw at bottom of silo to absorb excess moisture.

April 15, 1945
Farrowing 50 litters. Many from our own replacement gilts, others from top gilts in recent auctions and some from Midwest herds. Boars soon ready for stock by Steam Roller Co.

A. J. (Bud) SAMPLE, Owner
HELM, FRESNO COUNTY, CALIFORNIA

HAMPSHIRE POPULARITY
Swine breeders and pork producers of California have expressed a definite leaning toward the Belted Breed, as the two most recent swine auctions in the state indicate.

This popularity is by no means local. Rather it is national in scope, because of such factors as that extra pig per litter, rustling and feeding ability which cut down cost of production, and meet type leadership as expressed in dressing percentages—all of which will be of prime importance as the industry swings into the pasteur period.

Write for your copy of the California Hampshire directory to George Hensley, Secretary, Sanger, California

CALIFORNIA HAMPSHIRE SWINE BREEDERS' ASSOCIATION

TRIANGLE HAMPShIRES

Orders taken now for young breeding stock by Steam Roller Commodore and San Martin Grand Hi Roller. Phone 468.

G. C. PORTLOCK
P. O. BOX 297
SAN MARTIN, CALIF.

"KEEP 'EM HEALTHY!"
Profitable production depends on the health of your livestock.
Our complete stock of vaccines, remedies and veterinary supplies will help you maintain that health.

CHINO DRUG CO.
G. J. KISS, Owner
661 D Street
CHINO, CALIF.

ALFALFA IN SWINE RATIONS
By DR. T. J. CUNHA
Department of Animal Husbandry
State College of Washington

The importance of pasture for all classes of hogs has been demonstrated for many years. Pastures are highly valuable because they supply the body building materials that are lacking in the farm grown grains. Pastures are an excellent source of proteins, minerals and vitamins, the building blocks which are needed in proper amounts in the ration for pigs to grow and reproduce.

Good pastures furnish such excel lent feed that pigs fed on pasture require less grain per cwt. gain than pigs not fed on pasture. In addition, only about one-half as much of expensive protein supplements, which the farmer has to purchase, are needed by pigs fed on pasture. As a result these pigs make much cheaper gains than pigs fed under drylot conditions.

In the Pacific Northwest, pasture should be provided for the brood sows and their litters in the spring. It should also be provided for the growing-fattening pigs from weaning time until market time or until frost kills the crop. Pasture should also be provided as much as possible for all fall litters. This is very important because it is necessary for these fall pigs to get a good start in order for them to do well in the winter.

The winter time is the most critical period in swine feeding. During this time it is cold, there is ice and snow on the ground, and as a result the pig is dependent entirely on the ration fed him and will do only as good as the ration is good. Therefore, more care must be taken during the winter in making sure that good rations are fed. During the winter, when pastures are not available, a substitute for pasture must be given the pigs. The cheapest substitute for pasture is good quality, leafy, green alfalfa hay.

That alfalfa is an excellent feed is indicated by the fact that one prominent nutritionist recently stated that "alfalfa holds the place in animal nutrition that milk properly holds in human nutrition." That was quite a bold statement to make, but recent research is adding more and more support to the truth of the statement. Good quality, leafy, green alfalfa hay contains protein of the right kind or quality which is needed to balance the grains. Alfalfa is also a rich source of minerals, especially calcium, which is needed by young growing animals for proper bone formation. In addition, alfalfa is an excellent source of vitamins which are needed by all animals for general health and proper utilization of the feed they eat. Of much importance is the fact that well cured hay is the only rich source of both vitamins A and D among all the feeds used in swine feeding.

Vale corn is the only farm grain which supplies carotene (provitamin A). Therefore, in the Pacific Northwest where little corn is grown, farmers have to depend on alfalfa or other hays as a source of vitamins important results in the keeping of dead or very low quality swine. Alfalfa is very important in the feeding of pigs.

Well light, are the way that the pigs eat. As in the sun, the pigs eat better as the sun rises.

Many of the leading breeders are using these hays for feeders or for the feeder sow to fatten a good pig to market.

Department of Animal Husbandry.
State College of Washington.

Hear alfalfa in livestock rations. Superior results in growing and fattening pigs. Alfalfa absent from the feeds of most of our hog raisers. Many of our growers find that the feeding of alfalfa is not a lowering of the feeding quality of the pigs. The pigs usually eat more and make the best gains.

In addition to supplying proteins, minerals, vitamins, and fibers, alfalfa is a wonderful source of the main nutrients for growing hogs. It is a very high quality feed and is needed by pigs for growing and fattening. Use alfalfa in your swine rations.
source of vitamin A in their winter rations for swine. Vitamin A is very important since a lack of this vitamin will result in the farrowing of premature, poorly developed pigs. Therefore, some good quality alfalfa hay should be included in winter rations in order to supply a source of vitamin A.

Feeds used in swine rations: Alfalfa is also a good source of the long list of 10 or more B-complex vitamins which can be supplied by feeding good quality alfalfa hay in the rations.

Many experiment stations now recognize the high value of alfalfa in supplying these as well as other nutrients needed by the sow and are advocating the feeding of 15-30% of alfalfa in winter sow rations. The Animal Husbandry Department of the Washington State College has been using 20% of alfalfa in their sow rations with good results and are now advocating that at least 15% of the sow's diet be alfalfa hay included in winter rations for sows.

Since it is nearing the farrowing season, all sows should be getting good rations, lower in protein, higher in vitamins and minerals and higher in energy. The sow of the future will need these from alfalfa to keep her as fat as possible during her nursing period. The rations should be made up of alfalfa and a small amount of good cereal grains. Alfalfa and wheat or barley, instead of corn, are the best sources of protein for growing, fattening pigs. The feeding of alfalfa to the sow will increase her milk yield which is of the utmost importance.

Growing, fattening pigs are not able to tolerate as high a level of alfalfa as brood sows in their rations. Alfalfa is low in protein, due to its high percentage of fiber, there is a limit to the amount which can be fed to growing, fattening pigs. The pig is a simple stomached animal and will not tolerate more than a small amount of alfalfa without damage to the digestive system of the pig. Growing, fattening pigs must have their rations adjusted to meet their needs. If the ration is high enough in alfalfa to withstand the digestive system of the growing, fattening pig, the animal will not grow as fast as the same animal on a ration of alfalfa and cereals.

The Janalu herd, located in California, is giving energetic evidence that it will bear watching is the Janalu Farm herd operated by Neal E. Tourtellotte of Washington. The herd contains sows and gilts available for sale. The gilts are known as Merit boars, sons of the Ramps boar, Tazewell Trademark. The boar is a son of the Top Conneticut boar and Janalu Roller Supreme, a blood brother to Packer Supreme from the Janalu herd. The Janalu herd is one of the most productive in the state of Washington.

The Janalu herd boars are a son of the Top Conneticut boar and Janalu Roller Supreme. The boar is a son of the Top Conneticut boar and Janalu Roller Supreme, a blood brother to Packer Supreme and is rated among the most productive in the state of Washington. The Janalu herd is one of the most productive in the state of Washington.

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ABU FARWA—Arabian Stallion owned by H. H. Reese, Covina, Calif.
Horses and Horsemens
Edited by
FRANK O'CONOR

Arabian Horses

Arabian Stud Book
is now available

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An interesting article on the Ara-
bian horse by Albert W. Harris
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of America
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Arabian Horses

A Horse of the Month

As our April "Horse of the Month" we present Abu Farwa, A.H.C. 1960, a young
Arabian stallion owned by H. H. Reese of Covina, Calif. Of classic conformation
and prominent parentage, he is an excellent example of the purebred Arabian horse.

Abu Farwa's near relations have earned fame as members of the Arabian groups
which have taken part in the exhibitions which have long been a Sunday feature at
Kellogg Arabian Horse Ranch near Pomona, Calif., now a U.S. Army Remount depot.
Abu Farwa's dam, Risletta, has been shown often as a five-gaited horse, while his dam, Risletta,
was a member of the Kellogg "Liberty Drill Team" for a number of years. She is a product
of the breeding establishment of Lady Wentworth in England and is noted
as having one of the most classic heads ever seen on an Arabian on the Pacific Slope.

His grandsire, Gabbyat, has long been a member of the show ring. Truer, recalled
by many for her performance as a three-gaited horse. His grand sire, Rahaas, was premier
sire at the Kellogg Arabian Horse Ranch at San Simon. Another member of his immediate fam-
ily is Musaik, most used stallion at the Kellogg Ranch.

On the dam's side, the famous English champion Skowronek appears as grandsire
of Risletta. Her sire, Nauem, was championship winner in England, while other Eng-
lish winners on this side of the pedigree include Thara Ashby II. The sires of both stallions
ever produced at Crabbet Park Stud, eventually sold to the
Russian government at a high figure.

Abu Farwa has inherited Risletta's beautiful head, while getting ample size from his
sire. At four years of age, he stands 15.2 hands.

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Calfioirnian Arabian Club
Experiences Rapid Growth

More than 80 Arabian enthusiasts attended the recent meeting of the newly organized California Arabian Horse Club held at the home of Mr. and Mrs. H. H. Reese in W. Covina, Calif.

Feature of the meeting was the discussion led by two Army officers from the remount depot recently established by the Army at the former Kellogg Ranch.

While the organization began with a limited Southern California membership, Arabian breeders from the central and northern part of the state are joining. Papers of incorporation are being drawn for the club.

+ △ +

Tanbark Club Plans
Spring Horse Show

The Tanbark Club of Los Angeles, Calif., will present a spring horse show for the benefit of war wounded veterans May 16-20, inclusive. It will be staged on the club's show grounds, 3221 Hyperion Ave., Los Angeles. Nine performances are scheduled and $10,000 in cash and prizes will be awarded winners in the various classes. The show is licensed by the American Horse Shows Association, Inc., of New York.

Snooper Smashes a Reflection

Mr. and Mrs. Jack Turner and their family, of Long Beach, Calif., probably hold some kind of record as a horse loving family. Consisting of eight adults and a little girl, each member of the family rides a Palomino horse and they all have watched saddles and bridles. The youngster is in a hurry to grow up so she can become the sixth member of the troop. Mr. and Mrs. Turner live on a 300-acre ranch where the family does most of its riding. From left to right, granddaughter Carlis Jane Fisher stands on horse behind her mother, Beatrice Fisher, daughter; Beverly Turner, daughter-law; Jean Fisher, daughter; Mrs. Turner, Jack Turner, Jack Turner, Jr., now a lieutenant in the Navy; C. A. and Carl Fisher, sons-in-law (sisters married brothers). Mr. Turner at one time sponsored a polo team for Jack, Jr., and furnished nine Palominos to mount the team, which played on most of the Southern California polo fields.

Horse and Mule Breeders
Aided by New Book

Stallion and jack owners desire to obtain a higher percentage of pregnancy in mares bred, want more mares to settle on first service, and would like to have mares that fail to show heat, come in heat at an opportune time.

Answers to these problems have been found. It is not necessary to use artificial insemination to solve them. It was, however, the painstaking, scientific work carried out to perfect artificial insemination that gave the information.

Every breeder who relies upon natural services by his stallions or jacks will get better results after a careful study of the data in "Artificial Insemination for Horse and Mule Production." Those who wish to use artificial insemination to supplant natural service, or to breed additional mares, will find in this highway to success.

This book is available from the Horse and Mule Association of America, Inc., 407 S. Dearborn St., Chicago 5, Ill.

+ △ +

Adds to Breeding Stock

Jack Davis, Arcadia, Calif., recently purchased six registered Morgan mares and fillies to add to his select group of breeding stock. These mares will be bred to his stallion, Red Vermont.

Snoopor Smashes a Reflection

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Saugus Rodeo to Be Held April 28, 29

Sponsored by a veteran cattlemen and held on a western ranch, the 19th annual Saugus Rodeo presented each year by William G. Bonelli will be offered again on his Saugus, Calif., ranch Saturday and Sunday, April 28, 29.

The show has attracted ranchers from all the surrounding area for years, men and women, boys and girls, who themselves have plenty of “savvy” when it comes to riding horses or working cattle.

Leading riders and ropers and steer rasslers, cowboys and cowgirls from all over the United States, will be competing for points leading to the title of champion all-around cowboy of the nation.

Events in which the top hand performers will compete include bareback riding, saddle bronce riding, calf roping, steer rassling, wild cow milking contest and probably several other events when all entries are in and the program completed.

William G. Bonelli, member of the California State Board of Equalization, sponsor of the rodeo, was born in the cattle business, first swining his leg over a saddle on his father's large ranch in Arizona. He's never lost his love of good horses and good cattle, nor has he been very far away from either. He has operated his own ranch at Saugus for a number of years and is building a herd of registered Polled Herefords.

Muller Buys Texas Quarter Horse Stallion at $2,500

Walter Muller of Muller Bros., Hollywood service station operators, recently paid $2,500 to W. H. Worthington of Egypt, Tex., for the coming three-year-old Quarter Horse stallion, Lucky Boy, sired by the famous Lucky Strike, A.Q.H.A. 151. The dam is Betty S out of Little Dick. He will be used on the band of Quarter Horse mares at the Muller ranches in Nevada.

Buys Arabian Horses

A. E. Cameron, owner of the Arabian stallion Rantez, recently added two more Arabians to his stable in San Bernardino County. From Leland Mekeel, Whittier, Calif., he purchased the 15-months-old chestnut filly Scheriza by Antez, and the five-year-old chestnut gelding Rebula.

by Amber Dunkerley
Presenting...

THE REGISTERED ARABIAN STALLION

*Imported LATIF AHC 1454
(KEHILAN MIMRIH)

"The Ultra-Classic Head With the Build to Match"

Bred in Poland—Sired by the world-renowned Antez 446, record holder for the half mile, ex. the *imported Champion Lassa 1310, she in turn by the Hungarian Champion and Premier Polish Sire, Koheilan I.

(See opposite page... upper left hand corner)
Comments...

"Lafi is the finest colt ever sired by Antez which I have seen. His dam is one of the most beautiful mares I have ever owned."


"For the course of my experience as a horse portraitist, I have been always on the alert for the classic or antique type Arab. I can truthfully say without flattery, that this is an exceptional specimen, in fact the most beautiful Arabian I have ever seen."

- R. W. McKnight

Internationally Reputed Horse Portraitist

"This is, in my opinion, not only for the finest Arab in the West, but one that competes with anything I have seen anywhere in this country or in Europe."

- Dr. T. E. Shumate

Formerly, Troy Farm Stables.

Lafi is six years old—beautiful dark copper chestnut with fleur de mane and tail—15 hands—1,000 lbs. He has sired one season in the East with proven ability as a sire. Fee $50. (See opposite page)

Also at Stud—Galoastro AHC 521-Sepulveda Jadar of the Strain of Sudan Ibn by ASTRALED by MISSOURI—Chestnut with breed blues—With a record as a sire, established at Maynesboro, Son Siment and Traveler's Rest Arabian Stud, that of one of the greatest in modern times. Fee $50.

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6 PALMINO STALLIONS

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TENNESSEE WALKERS!

FEES: $25 to $75

FLASH LA MARR — TWHBA 411549, PHA 106, TWH branch.

Bred to two black mares and three sorrelots in 1943, he produced five Golden colts, four with white manes and tails and one with black mane and tail.

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16600 VENTURA BOULEVARD ENCINO, CALIF.

For Sale

BLACK SADDLEBRED

GELDING

4 Yrs. Old—15.2 Hds.—1,000 Lbs.

Sire: HERRION KIBB

Dam: LADY DAWN by Jess

Val Jean

Gent's or Broke to Ride

W ESTERN LIVESTOCK JOURNAL

BOX 996

April 15, 1946

GAINS

PHBA Recognized in 5 Additional States

By GEORGE D. BARBER

FURTHER evidence of the growing importance of the Golden Horse is the recognition of Palomino Horse Breeders of America, Inc., by the stallion enrollment boards of five states: Indiana, Iowa, Minnesota, Montana and Pennsylvania.

Owners of Palomino stallions in these states may obtain licenses to stand them in public service, if registered with PHBA.

Organized just four years ago by a group of breeders interested in the development and refinement of the Golden Horse, the member-owned, non-profit Palomino Horse Breeders of America has registered in excess of 4,000 horses. About 40% of these have been stallions, 50% mares and 10% geldings.

Membership in the association passed the 1,600 mark in March. They are located in 46 of the 48 states; in Canada, Cuba, Hawaii and Panama. Registered Palominos are owned by these members, plus a number in the Republic of Old Mexico.

Right now PHBA is stressing the importance of improved breeding practices and only those horses meeting the exact requirements of eligibility are being considered for registration. These requirements include: Good breeding, good conformation, dark eyes, dark skin, white mane and tail, and a gold body color varying not more than three shades either way from a newly-minted gold coin.

Full information is contained in an attractive booklet, “Palomino Information,” which may be had free upon request to the Palomino Horse Breeders of America, Inc., P. O. Box 79, Mineral Wells, Texas.

The first rule of driving with wartime gasoline is, “take it easier.” No rabbit starts should be made and lower gears should be used on grades. Trying to make the motor do the same work as it could with high octane gas strains it and may do it permanent damage.

Trained Horses NOW IN DEMAND

75 PICTURES

Easy-to-understand text

in “TRAINING RIDING HORSES” Simplified training method to increase usefulness and sale value. Used by leading trainers at...

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Horse and Mule Association of America Wayne Ihmsonore, Secretary

407 S. Dearborn St. Chicago

247 East York St. Chicago

SOUTHERN ARIZONA HORSE BREEDERS ASSN.

TUCSON, ARIZ

GAINS

AS A ROCKING CHAIR

TOUGH AS A HEREFORD BULL

Genuine

HEREFORD

SADDLES

by TexTan

MAKERS OF FAMOUS TEXAS RANGE BELTS

Hereford Saddles give rocking chair comfort and rugged reliability. The skill of old time leather craftsmen is built into them. Sold only through authorized dealers. If your dealer is unable to supply you, write TexTan, Yoakum, Texas.

For more information write TexTan, Sayre, Oklahoma.
During the past year a series of tests have been carried on at the University of California at Berkeley to determine the penetrability of freshly cut posts by various species of oil solutions of the wood preservative pentachlorophenol.

The concentrates used were those known commercially as Timbertox No. 12, Timbertox No. 14, Permatox-A and Permatox-F. Each of these has been diluted with kerosene or Diesel oil, as directed, to obtain a 5% to 10% concentration by weight of pentachlorophenol. Viscosity of the solutions has been somewhat modified by the addition of moderate amounts of heavy bodied petroleum oil. For most applications dilution of the concentrate with three to six parts of kerosene or Diesel oil gives very good penetration.

From six to 10 fluid ounces of the diluted oil solution is sufficient to give good penetration throughout the length of a seven-foot post and the cost for materials will be from 3c to 5c per post.

Service records for posts treated in this way are available for only nine months during which there has been no evidence of fungus or insect action. However, tests with 5% pentachlorophenol solutions in Mississippi and in the Panama Canal Zone have shown very satisfactory protection against both fungi and termites where good penetration was secured.

Species used have been mostly hardwoods, which are easily available in the valley and foothill sections of California. Penetration of the oil solution has been satisfactory in all of these when treated within a few days after cutting and most of them will take up the oil very well after air seasoning for one to three months. The time required for absorption of eight ounces of solution varies from three to 12 hours for hardwoods and from three to six days for conifers.

CONIFERS

Redwood - The blue gum, white fir, incense cedar, Monterey pine, Digger pine.

A deciduous tree.

Plant rafters, posts, and other parts to a depth of one-half foot through the hardwoods.

Sugar gum - The black gum, also known as the bay tree.

When species of wood are treated with these methods of preservation, the satisfaction found.

1. Soaking in a solution of concentrated crotonate or permethrin, with or without a wood preservative.

2. Hot-sprayed solution in a 1% to 5% dilution. A small tank of the solution is placed over a broom handle or an extension pole, and the mixture is directed to the holes for a distance of one-third to one-half foot.
The blue gum eucalyptus fence post is all ripped up to illustrate two methods of applying pentachlorophenol solution. At top, the "top cup" is a short inch pipe with one edge turned quite sharp. The two pipe applicators on the side are half-inch galvanized pipe screwed into holes bored not quite through the post at right angles with an 11/16-inch bit. The measuring cup hanging on the side holds eight ounces of solution—enough for good penetration through a three or four-inch post seven feet long. A few or six-inch post requires one and a half to two such measures of pentachlorophenol oil solution.

HARDWOODS:
- Red gum—Eucalyptus rostrata.
- Blue gum—Eucalyptus globulus.
- Manna gum—Eucalyptus viminalis.
- Sugar gum—Eucalyptus coromandelica.
- Chinese elm—Ulmus pumila.
- Athel—Tamarix articulata.
- Tree of Heaven—Allanthus glandulos.
- Cork oak—Quercus suber.
- California black oak—Quercus kelloggii.
- Blue oak—Quercus douglasii.
- Interior live oak—Quercus wislizenii.
- English walnut—Juglans regia.
- California laurel—Umbellularia californica.
- Olive—Olea europaea.

CONIFERS:
- Redwood—Sequoia sempervirens.
- Big tree—Sequoiad gigantea.
- Inverse cedar—Libocedrus decurrens.
- White fir—Abies concolor.
- Monterey pine—Pinus radiata.
- Digger pine—Pinus sabini.

In the conifers end penetration takes place to a depth of about one to one and one-half feet instead of completely through the post which is usual with the hardwoods.

Standard Treatment
When seasoned posts of various species of wood are being used, all posts which have been peeled, there are two methods of treatment which have proven satisfactory.

1. Soaking posts for 12 to 36 hours in cresote or 5% solution of pentachlorophenol, without heat.
2. Hot method, in which posts are soaked two to three hours in the above solution at about 150° F. and then one hour in a 5% solution.

For Sale
Yearling Stallion
Mr. & Mrs. John Payne
1640 Cole Road
WHITTIER, CALIF.
to three hours in a cold solution of the same. Difficulty in this method is in the fire hazard involved.

**Methods of Application**

Posts may be set in the fence immediately after cutting and the preservative treatment can be given any time within two or three months. Or posts may be set vertically in a rack and treated (top end or butt end) by the drip-cup or top-cup method, explained below. With most hardwoods the oil solution will penetrate to the bottom of the post without difficulty, but the treated end of conifers must be placed in the ground.

**Method No. 1**

*Drip-Cup Applicators.* This is the simplest of the three new methods as pint jars with metal screw caps are available everywhere. Simply remove the liner from the cap and punch three or four holes about evenly spaced and not too close to the edge with a scratch awl or sharpened nail. Holes should be about the size of the lead in an ordinary pencil.

Cut a circular piece of light felt or any heavy cloth which is slightly smaller than the end of the post to be treated. A half-inch hole in the center of the felt disc may be desirable—or one of the holes may be placed just over the edge of the felt to allow air to bubble in as the solution is taken up by the wood.

The end of the post to be treated should be sawed off square, the felt placed on top, the jar of solution placed upside down on top of felt.

**Method No. 2**

*Top-Cup Applicators.* These are made from short waste pieces of 1¼, 1½, 2 inch and 2½ inch water pipe from four to six inches long. Pieces which have been threaded are easier to turn down to an edge. Simply grind one end down to give a fairly sharp edge. Saw the end of the post off square and tap the top-cup lightly into the wood with a heavy hammer. Do not try to drive it in too far as this may split the post; just enough to prevent leakage of the solution around the edges. Pour the solution into the top-cup and leave until all has been absorbed.

With large posts it is probably better to use two top-cups of moderate size (two-inch) instead of one large one, as
Complete Dispersal

—BY—

AUCTION

60

Thoroughbred Horses

SATURDAY, APRIL 28

Starting Promptly at 12:00 Noon

HARDISON RANCH, SANTA PAULA, CALIF.

RANCH LOCATED HALFWAY BETWEEN SANTA PAULA AND FILLMORE ON SANTA PAULA HIGHWAY. FOLLOW SIGNS.

Due to war conditions, the owner has decided to disperse his Thoroughbred horses. All are halter broke but green. The youngsters are by such stallions as Boxt horn, Vain Bachelor, *Tracer, Cantankerous, Hadagal, Vicar and Boss Pinnell.

The band of brood mares were collected without regard to cost from leading breeders of California and the East. Many of them have made names for themselves on the track and have produced winners.

Included are such mares as Asinia by * Assagi out of Contessinia, dam of Rey Count, and her 3-year-old colt by Boss Pinnell, a 2-year-old filly by Boxt horn. A 3-year-old filly by Boxt horn, dam Fair Moss by *Wrack. Sun Freda by *Sunshort, he by *Seemster. *Claudine, imported from France, he by Pampeiro by Blenheim II, dam Flame de Velours. Truly a royally bred mare imported by an outstanding Thoroughbred breeder. Silk Stockings by Upset, only horse to ever beat Man-O-War. Write Auctioneer Chas. Adams for catalog, giving pedigrees and other information.

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30 Brood Mares
1 Stallion
3 4-year-olds
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FOR SALE

Registered Saddlebred Stallions

One Four-Year-Old Ready to Show Under Saddle or in Fine Harness.
One Three-Year-Old—Gentle and Drives Nicely
Both Top Breeding and Good Show Prospects

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Rugby 61785
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At Stud

COPPER McCUE

Sire: Champagne
Dam: Peter McCue mare
15 Hands—1,140 lbs.
Copper—Chestnut
Pasture for Mares
1945 Season to Approved Mares

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Rancho Rio Vista
SPRINGVILLE, CALIF.

Demand PHBA Registration

A PHBA Registration Certificate is your best assurance of a QUALITY Palomino. And a Quality Palomino is always in greater demand. This association is endeavoring to establish the Golden Horse as a distinct breed by constantly increasing registration requirements; by accepting only those Palominos with dark eyes, dark skin, good color, good conformation and good breeding.

Send for free booklet, "Palomino Information"

PALOMINO HORSE BREEDERS OF AMERICA, Inc.

P.O. Box 79
MINERAL WELLS, TEXAS

Contact the secretary of our California state affiliate association, Jordan E. Dunaway, 300 E. Broadway, Hawthorne.

it is easier to set the small ones so they will not leak and waste solution down the sides of the post.

Method No. 3

Water Pipe Applicators. These are standard galvanized water pipe fittings available in any plumbing shop. A set for one post consists of: two half-inch street elbows and two one-foot sections of half-inch pipe.

Two holes should be bored in the post at right angles and at about six and eight inches above the ground line. Each hole should go almost through the post, but not far enough to allow leakage of the solution. Holes in hardwoods can be bored with a three-quarter inch wood bit. With conifers a tighter fit of the pipe can be secured by using a 1 1/16 inch bit. A small sliver of wood or twig can be used to determine the right depth for the hole.

Screw the street elbow into each hole just far enough to prevent leakage and screw in the one-foot section in a vertical direction. Each of these will hold about four fluid ounces of solution. In stormy weather cover the open pipe ends or top cups with small empty cans to keep out the rain.

Warning

Solutions containing pentachlorophenol are poisonous to animals and may cause skin irritation to some persons if improperly handled. Be careful in handling and wash hands thoroughly after contact with the solution.

June 1 Deadline for Futurity Colts

Owners of weanling colts who plan to enter them in the 1946 Futurity to be held in September are reminded by E. E Radcliff, secretary of the California Saddle Horse Breeders Association, Burbank, Calif., that June 1 is the deadline for nominations of colts.

Last year's weanlings, yearlings and two-year-olds must be re-entered so they will be eligible for their respective classes. Nomination now is necessary so they may be eligible next year and the following year, even though the owner may not plan to show his colt this year.

Pendleton Horsemen Warm Up for Show

The Mustangers, saddle club of Pendleton, Ore., with some 500 members, will hold its fifth annual Spring Show at the Round-Up Grounds May 20. Confined to amateurs, the show will feature mounted drills, races, sack roping, musical chairs, cow horses and gaited events.

Preliminary to the show, club members will be guests April 15 at the annual Juniper Joust held at the La Verne Terjeson ranch.

Good Demand for Palominos

Gene Beksinski, Tacoma, Wash., reports the sale of the Palomino gelding Oregon Traveller (PHBA) to Dr. Warren V. Wells, of Los Angeles. "There is a good deal of demand for real Palominos," wrote Mr. Beksinski. "People are getting educated as to what a real Palomino should look like as to conformation, breeding and color."
Jamesway suggests you plan your post-war barn now!

Maybe you are a breeder of Herefords or some other good beef breed. Doubtless you have dreamed of a barn for show and other uses in keeping with the high quality of your cattle. Give us an idea of your needs and let's reduce your plans to the blueprint stage now. One of these days the war will be over and then all our plant facilities and manpower will again turn from war production to equipment for all manner of barns.

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CENTRAL POINT, OREGON

TACK ROOM TALK
By FRANK O’CONNOR

▼ At a time like the present when many people are growing Victory gardens, and some trying to help out on the meat situation by raising hogs, it might be well to tell the experience of a city man who purchased a dozen setting eggs, a broody hen and hatched out 12 very nice little chickens.

After several days they began to look very droopy and several died. He then called in a neighbor, who had considerable experience with chickens, to find out what was the matter.

After looking the chickens over carefully the neighbor said he could find no evidence of disease and asked what kind of feed they were getting. To his surprise, the owner said he was not feeding anything, as he thought the mother had milk enough for all of them.

▼ In 1909 when autos were not as generally used as they are today, it was not uncommon to have very amusing incidents happen when touring in the country.

It happened that, at that time, I had occasion to make frequent trips to the desert beyond Daggett, Calif. Our road was no paved or permanent roads on the desert then, nothing but trails through cactus and sagebrush.

Coming from Daggett to Victorville one evening about sundown, as we pulled up at a spring called Stoddard’s Well, we saw an old prospector shoulder his blanket roll and start off through the brush towards Victorville.

After a short stop to fill the radiator and water bags, we started on and asked him if he wanted to ride. He said he was not going that way. He then overtook the old man. We stopped and, as we climbed out of the car, told the old fellow that we were willing to give a lift.

We pulled into Victorville about 40 minutes later and, as we climbed out of the car told the old fellow that we were stopping to eat and would be going down into the valley, meaning San Bernardino, in about an hour and that he was welcome to come along if he was going that way. He then spoke for the first time and all he said was, "No, thanks, I’m a day ahead now."
ANGUS OPERATORS IN HAWAII

By A. M. BROWN
Kamuela, Hawaii

When many gardeners on the mainland plant chickens, it is evident from this year's crop failures and on the islands many gardens have been planted with grasses. The cattle are run in pastures all year round. The paddocks are usualy kept small to handle and are not the least bit wild or skittish. I sell only heifers, with occasional some old or culled cows.

Some years ago I owned a fairly large ranch and raised Herefords, but when I sold the ranch and moved over here, I started my Angus herd, always having been partial to them. I have about 150 acres of open pasture land, of white clover, Rhodes, Kentucky Blue and Bermuda grasses. The cattle are run in open pasture all year round. The paddocks are so arranged to faciliate grazing and resting periods. They are also fed molasses and sulphur and iodized block salt. They do very well in this country, and are extremely easy to handle and are not the least bit wild or skittish. I sell only weaners, with occasional some old or culled cows.

In the islands, cattle are usually sold by the head. The only time they are sold by weight is when they are shipped to market, and then one is paid by the dressed weight, which at the present time is about 230 per lb. for top steers. The largest ranches are on what we call the Outside Islands, and the cattle are shipped by boat to the main slaughterhouses in Honolulu on the Island of Oahu. Shipping costs about $10 per head and the cattle average about 500 lbs. at dressed weight.

From the other Angus ranches in the Islands. I have found that the breed does well on all types of land and in all climates. Here the altitude is about 2,750 feet, the winter weather going from our wet, cold winter weather (no snow) to our warm, dry summers. The biggest worry we have here is the extremely dry summer, for our water supply comes from the streams in the mountains, and in extremely dry years there is a shortage of water. A water development program is being carried on now and that will alleviate any water shortage during the dry spells.

The Kaneohe Ranch Co., owned by Harold Castle on Oahu, is our largest Angus ranch. His lands run from sea level to low foothills. A lot of his lands are swampy, with an entirely different vegetation that of the mainland. He raises market cattle, and finds that he has much better weight and condition than other breeds in this section. He, too, finds that Angus are not difficult to handle.

The Waianae Plantation raises their cattle on the lower, hot, dry, rugged country—mostly type of land where, they do a lot of feeding. The island, being close at hand. They have been very successful with these experi-

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ARTESIA, CALIFORNIA

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MULE OF THE MONTH

This little mule is 10 months old, sired by a bold faced stallion, out of a small mare. She is a curiosity with white face, white eyelashes and one white foot. She is ready to train as a trick or show mule and is for sale.

FRED McCOY
Bell, Calif.
7506 Atlantic Blvd.
Phone JE 7005

ments. They have used molasses and a meal made from the Algaroba bean, as no corn feeding is done out here. They have found that in the extreme heat the Angus shows a tendency of wildness, but we are all firmly convinced and believe that with proper handling, smaller paddocks, the Angus are no wilder than any other breed in the same circumstances.

Mr. Greenwell of Kona, on the Island, raises some Angus, preferring to cross his Angus bulls on other breeds. We have all found that an Angus crossed with a Hereford makes an excellent cross for market purposes. Some of the Island in Kona is Java lands, and if you ever saw Java lands you would wonder what the cattle live on. One would need no further proof to the query of whether or not the Angus was a good rustler.

The main problem we have is in getting new blood into our herd. There being so few Angus people here, we are forced to send to the mainland for new blood. The distance, cost of shipping and handling, added to the cost of purchase, presents a problem. Sometimes we Angus men need or want new stock about the same time. Then we have a pool and get a shipment of cattle, which makes it easier on all concerned.

We would like to see an increase in Angus raisers out here, but most of the available ranch lands are held or owned by established Hereford people. The only advance we can make right now is through the small rancher. I have been able to do a little in this line, for I am the only "strictly Angus" person on this island. With more acreage and a larger herd, I could do a lot more. By continually talking Angus to the smaller ranchmen, I hope some day to break new stock about the same time. Then we have a pool and get a shipment of cattle, which makes it easier on all concerned.

I hope, in the not too distant future, to see the Angus rank a close second to the Hereford out here. I am afraid it will never rank first but, at least, it would be better than having the cross-breeds holding second place.

New General Manager at L. A. Surf Club

Dr. Charles H. Strub, retaining his position as executive vice-president of Los Angeles Surf Club, Inc., announces the promotion of his assistant, Gwynn Wilson, to take his place as general manager of Santa Anita Park.

Dr. Strub is returning to Arizona, where his health has greatly improved from several weeks' stay. He has been ill away from this office most of the time since last November.

The directing head of Santa Anita Park since it was built and opened in 1934, Dr. Strub has been the constant rumor that the controlling ownership of Los Angeles Surf Club, Inc., has been bought by eastern interests. In denying the reports, Dr. Strub said, "I am, and have been for some time, the largest individual stockholder in Santa Anita Park. I have not sold, and do not intend to sell, my controlling stock."
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Helps build weight faster

All ages of cattle thrive better when fed sufficient phosphorus to offset deficiencies in pasturage and other feeds.

Keep DIGESTA-BONE . . . mixed with an equal part of salt . . . always before your herds. It helps the profit picture at weigh-in time.

DIGESTA-BONE . . . Over 72% Tri-Calcium Phosphate—Bone Phosphate of Lime
The most efficient and most economical source of calcium and phosphorus

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