In This Issue:
Brannan's Farm Program
Quality Breeding
30 Tons an Hour
Better Pasture
Larro provides the **full nutrient balance** cattle need. It supplies adequate amounts of all essential amino acids and minerals, in addition to trace elements and other nutrients. That means economical gains and low-cost growth.

That’s the reason so many western cattlemen are switching from single protein supplements to Larro. They’ve found it supplies the many essential nutrients lacking in roughage and grains. And, being an efficient feed, cattlemen have found that they get excellent results on a minimum of feed.

Let your own feeding experience prove the all-round value of Larro 18% Cattle Fattener... order a supply today.
Here's a ONE-TWO PUNCH for FLY CONTROL

Most Effective Least Expensive and SAFE!

1. PURBEN 25-W
A wettable powder containing 25% of technically pure Gamma Isomer of Benzene Hexachloride. Apply to inside of barns and dairies at dilution rate of 7 lbs. Purben 25-W per 100 gals. of water.

2. BHC 12 WETTABLE*
A wettable powder containing 12% Gamma Isomer of Benzene Hexachloride and 35% other Isomers of Benzene Hexachloride. Apply to outside of barns and buildings at dilution rate of 16 lbs. BHC 12 WETTABLE to 100 gals. of water.

*Be sure to read the cautions on the label

Here is Stauffer's answer to your fly control problem. This combination applied as directed, will give you safe and sure protection against flies—at lowest cost!

SEE YOUR DEALER NOW!

STAUFFER CHEMICAL COMPANY
Nico-Dust Manufacturing Division
636 California Street
San Francisco 8
Phone 1-5350

1314 Security Bank Building
Fresno 1
Phone 4-2847

3200 E. 26th Street
Los Angeles 23
ANgelus 2-1141
NATIONWIDE SERVICE for Santa Fe Shippers

Santa Fe Traffic Offices are conveniently located to serve freight shippers in all parts of the nation.

Wherever you are located in the United States, Canada or Mexico, there is a Santa Fe freight representative assigned to your locality and at your service.

Each traffic office has direct communication by telephone or teletype with other Santa Fe offices, and are fully equipped to give you promptly the information and service you want.

Santa Fe freight men know their business. They know your territory and ours—and your local freight problems, too. Because these men believe in giving service, you will find it worth while to call them about your freight shipments.

Look over this listing of traffic offices and call the one nearest you for friendly, helpful Santa Fe service.

SHIP via Santa Fe all the way

F. H. Rockwell, Gen. Freight Traffic Manager

Santa Fe Traffic Office Centers

- Indicates principal Santa Fe Rail Lines

Santa Fe Traffic Office

Albuquerque, N. M.
Amarillo, Tex.
Atchison, Kan.
Atlanta, Ga.
Bakersfield, Cal.
Beaumont, Tex.
Boston, Mass.
Buffalo, N. Y.
Chamote, Kan.
Chicago, III.
Cincinnati, O.
Cleveland, O.
Colorado Springs, Colo.
Dallas, Tex.
Denver, Colo.
Des Moines, la.
Detroit, Mich.
El Paso, Tex.
Flagstaff, Ariz.
Fort Madison, la.
Fort Worth, Tex.
Fresno, Cal.
Galveston, Tex.
Houston, Tex.
Hutchinson, Kan.
Indianapolis, Ind.
Kansas City, Mo.
Leavenworth, Kan.
Long Beach, Cal.
Los Angeles, Cal.
Lubbock, Tex.
Mexico City, Mex.
Milwaukee, Wis.
Minneapolis, Minn.
Montgomery, Tex.
New Orleans, La.
New York City, N. Y.
Oakland, Cal.
Oklahoma City, Okla.
Pocatello, Id.
Phoenix, Ariz.
Pittsburgh, Pa.
Portland, Oreg.
Pueblo, Colo.
St. Joseph, Mo.
St. Louis, Mo.
Sacramento, Cal.
Salt Lake City, Utah
San Angelo, Tex.
San Antonio, Tex.
San Bernardino, Cal.
San Diego, Cal.
San Francisco, Cal.
San Jose, Cal.
Santa Barbara, Cal.
Santa Rosa, Cal.
Seattle, Wash.
Stockton, Cal.
Temple, Tex.
Topeka, Kan.
Tulsa, Okla.
Washington, D. C.
Wichita, Kan.
Wichita Falls, Tex.

Santa Fe Freight Shippers
PEOPLE HAVE LOTS OF MONEY. You may be interested to know that
the average citizen of the U. S. has more money in the bank,
more in savings and more in government bonds now than during the
boom days of 1948. The average worker and those in the higher
salary brackets cut down on spending this year, but earnings
didn't go down in proportion. The business slump in 1949
was a protest against rising prices, shoddy merchandise, and
it also reflected fear of a depression. Now the trend seems
to have gone the other way. Business is picking up.

BUSINESS PEOPLE think that 1950 will be a good year. Some
look for more inflation and a resumption of the "boom."
But everyone in business believes that there will be greater
competition for consumer dollars than ever before. The meat
industry will have to fight for its share of consumer income,
because the time has come when the buyer can get almost
anything he wants if he has the price. That means increased
competition and a vastly greater need for smart advertising
and intelligent merchandising.

LIVESTOCK GROWERS AND FEEDERS must do their part in creating
a product that will sell with the least consumer resistance.
That means a quality product. It means that pork growers, for
instance, must study consumer demands. Lard is and will
continue to be a drug on the market. Hog feeders must breed
and fatten butcher type hogs that were popular before the
war---hogs with minimum of waste fat, yet carrying quality
meat. That's a challenge to breeders and feeders---and
something that must be recognized by colleges and judges
at the stock shows and fairs. Consumers want small cuts
of beef, yet the beef must be tender and well finished.

DON'T DISCOUNT THE PUREBRED BEEF BUSINESS. There will be a
continued broad market for good bulls of the major, established
beef breeds. It is unfortunate that so many good registered
breeding cows have gone to the butcher this year, partly
because of feed shortages, partly because of fear of the
future. The man with good registered beef cattle need
have no fear of a good, profitable market for quality breed­
ing stock. Those who are buying better breeding animals at
prevailing prices will find they have made sound investments.

THERE WILL BE MORE MEAT for consumers in 1950. Consumers
probably will have more dollars to spend and prices may not
decline as much as some of the economists profess to believe.
One factor which will hold down the supply of meat will be
the huge volume of grain that will go into storage under gov-
ernment loans. Government support prices on grain maintain
prices at levels so high that livestock feeders are back­
ward about pouring costly grain into meat animals.
choice permanent pasture mixtures

require

LADINO CLOVER

High quality Ladino Clover is a basic requirement for choice irrigated permanent pasture mixtures.

Ferry-Morse stocks of Ladino Clover, as well as all grass and alfalfa seed, are carefully field inspected by experts during the growing season. These crops are then cleaned and processed with the most modern methods to produce the highest quality planting stock.

for maximum future profits the permanent pasture way... ask your dealer to supply you with Ferry-Morse Seed.

Ferry-Morse Seed Co.
SAN FRANCISCO 24, CALIF. • LOS ANGELES 1, CALIF.

DIAMOND S RANCH
SHORTHORNS

In Service:

NOBLE COMMANDER, son of Princeton Leader, now assisted by HILL-BROOK MASTERSTROKE, carrying a double infusion of Ashbourne Standard, sire of the Grand Champion Steer at the International in 1937.

GEO. H. SAwyER
Waterford, Stanislaus County, California

Polled Shorthorns

Largest Herd of Polled Shorthorn Cattle In the West

BULLS FOR SALE AT ALL TIMES

WINONA WASHINGTON

Put More Weight on Your Calves With Mehrten Shorthorn Bulls

Registered yearlings now for sale, sired by Sunrise Vigilance and Lancaster Ideal.

See Them... RALPH W. MEHRTEN
Rt. 1, Box 239, Exeter, Calif.

ECONOMIC developments in the last month or two have made quite a few well posted ranchers and feeders in the Far West wonder if they hadn't better take a different slant on possible market action in the future. For quite some time last Spring and early this Summer there was considerable pessimism and most of the thinking was that livestock prices would go somewhat lower by the Fall season. As yet there have been no signs of any serious break. In fact, the markets in the last 10 days or two weeks have been a little on the firm side with demand running very broad.

Is this strength and activity a reflection of good stable livestock markets for the Fall season? Or is this just the flurry in the trade before weakness that might come with larger marketings of both cattle and hogs, due to get under way very shortly now? These are the two questions that most livestock operators keep turning over in their minds. Many of these people appear to be leaning just a little toward the optimistic side, whereas a short time ago they could see nothing but generally lower prices for the Fall and Winter months.

Borrowed Dollars. This better feeling in the livestock and farming business is not just something that developed over night. Official Washington removed controls on consumer credit, and a lot of money is being poured into the housing program. Time alone will tell just how inflationary this sort of program will be.

Even though the live meat animal markets are a pretty independent group as far as charting price levels are concerned, it appears that they are coming in for a little better price levels at this time, partly in sympathy with improvement in markets not directly related to the livestock and meat packing industry.

About the first division to show some action and better prices was the replacement market. Since late last Spring there had been little or no action on stocker and feeder cattle, which was contrary to the way business had been in previous years. It used to be that most of the calves and yearlings were contracted for long before they were
Now NEW

Range Mintrate Cubes

A Concentrated Concentrate

for cattle, to balance commonly used range feeds

Now MoorMan's brings to Western ranchers and farmers the latest scientific development in feeds—a new flexible balancer—Range Mintrate.* This new concentrated concentrate is available in Cube form—can be identified by a distinctive red color. Range Mintrate Cubes were developed especially for Western feeding—supply protein and mineral variety that help produce better-fleshed, thriftier beef at less cost and in less time.

Range Mintrate contains:

1. A variety of 5 proteins—PLUS UREA, famous protein "booster"—to provide a combination of the amino acids necessary for best protein-feeding results.

2. MoorMan's famous Minerals for Range Cattle—a highly concentrated and balanced combination of 12 mineral ingredients developed specifically for Western cattle, and including all the mineral ingredients they need.

3. An extra large supply of Vitamin D—the Sunshine Vitamin—necessary for growth and thrift.

Used as a "balancer." New Range Mintrate was developed for either feeding alone to balance range grasses, or for use with cotton-cake, or other oil meals usually available.

How to feed it. We recommend Range Mintrate Cubes be fed in addition to other proteins. Good results can also be obtained by feeding the Cubes alone.

Exceptional results make cost low. Recommended wherever Western cattle need proteins—for wintering on the range—and for the smooth, show-ring finish that wins top prizes. Yet, because Range Mintrate* is so highly concentrated and contains only needed proteins, minerals and vitamins, you'll be amazed at its low feeding cost. Ask your MoorMan Man or write Dept. H-9 Moorman Mfg. Co., Quincy, Ill.

MoorMan's
Since 1885

*NOTE: MoorMan's makes 6 other Mintrates (mineralized protein concentrates)—3 for poultry—1 for hogs—1 for dairy cattle—another for beef cattle. All are designed for balancing local feeds—produce amazing, money-saving results.
THE sure-cure remedy for a headache that comes to those not knowing what to do with marketable livestock is to ship to the Central Market.

YOU don't even have to be on the market when your stock is being sold because it gets the best of care once it enters the yards. All shipments receive immediate attention from trained stock yard employees and then goes to skilled, dependable commission men who are all bonded for your protection. Returns for your livestock are mailed back the day stock is sold. This complete service, with experts looking after your interests, cannot be duplicated elsewhere, for a comparable low cost.

YOUR stock, no matter what size the shipment, receives competitive bidding which assures you of receiving the high dollar. The next time you have livestock to market send it to the Central Market.

Ed. T. Mape of the Mape Ranch west of Modesto, Calif., identifies each group of cows by putting an iron brand on the hip just under the ranch brand. For instance, a cow born in 1945 has a small "5" just under the regular brand. Mr. Mape has found that this system gives him a much more accurate check on his cows and enables him to determine at what ages their production is best. He contends that he has been most successful by replacing cows over seven years old with the best of his yearling heifers.

for further finishing this Fall. A smaller percentage for slaughter could be a stabilizing factor for the killer market.

Price Strength. With the crop of fed cattle now well marketed in all sections of the country, prices for the better kinds at all market points showed some strength and in the East new high prices for the season were uncovered. Prime fed steers reached $30 and $31 at the large Midwestern markets when prices moved forward, but at the same time warmed-up kinds and grassy cattle moved downward to widen the range of prices.

On the West Coast the best cattle available sold at $27 and $27.50 with the big bulk of the steer cattle going at $20 to $24.50. Demand in the whole-

Los Angeles Stock Yards
The Great Western Market
Substitutes no longer necessary

Yes, for the first time, there’s enough Shell AMMONIUM SULPHATE to go around. That’s due to the greatly increased production of Shell Chemical Corporation’s plant at Shell Point, California.

Shell AMMONIUM SULPHATE has been the West Coast’s leading nitrogen fertilizer for many years. It is ideally suited for West Coast crops and soils. Tell your fertilizer supplier you want Shell AMMONIUM SULPHATE. And be sure to order early to avoid the heavy shipping rush later.

FREE FLOWING, EASY TO DRILL
...stays in good condition in storage
Ordering COTTON SEED MEAL is EASY!

CALL OR WIRE COLLECT

WILBUR-ELLIS COMPANY

Exclusive Brokers

for San Joaquin Cotton Oil Company's PAYMASTER BRAND

43%

Cotton Seed Meal
Pellets - sheep size and cattle size
Cake - pea size, sheep size and cattle size

sale beef trade for good and better grading carcasses was generally far in excess of the supply, but at the same time outlet was rather narrow for the lower grading kinds. As a consequence, there was a spread of about $10 per cwt. between top steers and top cows and a spread of between $12 and $15 in these two classes in the dressed market. Percentage wise that is about the widest spread ever recorded on the two classes.

In the meantime, strictly grass steers and heifers were in the minority. Those of fairly good quality sold at West Coast markets from $20 to $22 at most times, but mixed breed cattle sold at discounts of from $1 to $2 per cwt. and quite a few were selling at $18 and even less.

Bulls Lower. Beef cows finished at $13.50 to $16 for the most part and it was only an occasional sale that went at $16.50 and above. Thin cows sold down to $11. Best bulls went at $19.50, the lowest in many months. Vealers topped at $25.50 late and calves at $24.50.

The replacement market had little to offer in the way of good quality cattle. Some buyers took half-fat cattle for a short feed as high as $24, but most of the thin cattle sold from $17.50 to $20. Full good to choice feeding heifers sold up to $23.

The season's high point was reached in the hog market during the early part of August when supplies dropped sharply. Top prices of $25 to $25.75 were paid at Coast markets, and then prices fell when the first of the 1949 Spring pigs put in their appearance. The increase in numbers came in the Corn Belt first, and the break in prices there was reflected at all points. As the month of August closed, top hogs were down to around $23 at Los Angeles. Trade members were of the opinion that the Fall run would get under way in earnest very shortly and a little earlier than when the supply moved last year.

One of the leading market economists in the Middlewest said that much of the increase in the Spring pig crop will be offset by marketing earlier and at much lighter weights. This will ma-
Here are the facts on ISOTOX Dairy Spray containing APPROVED LINDANE, the potent new insecticide with a 3-way residual killing power!

ISOTOX DAIRY SPRAY KILLS FLIES. New ISOTOX Dairy Spray, containing approved lindane, is the fastest fly control. It kills flies resistant to DDT and Methoxychlor. It kills flies immediately—they don’t spin around half dead for hours. It kills flies by direct contact and by residual action for about 4 weeks, depending on the weather.

ACTUAL USAGE SUCCESSFUL. Dairymen for the past year—and experiment stations in New York, New Jersey, Texas, California, in addition to other areas—have been using ISOTOX. They report outstanding success in killing flies. Dairy pest control operator A. S. Lasley, Bellflower, Calif., says:

“ISOTOX Dairy Spray will clean up a dairy quicker than anything I’ve ever used. DDT at its best used to take 6 to 12 hours to kill a fly. ISOTOX Dairy Spray drops them right on the floor! And I have found that a regular program of spraying with ISOTOX Dairy Spray will put the dairyman money ahead, because he gets a good cleanup of flies.”

ISOTOX DAIRY SPRAY containing lindane is a wettable powder. It is used at the rate of 10 pounds to 100 gallons of water. It is packed conveniently in 1-pound and 4-pound cans and 20-pound pails.

OTHER USAGES. ISOTOX Dairy Spray, containing lindane, is an excellent residual spray in buildings where dairy products are handled. Also ISOTOX Dairy Spray not only controls flies in and around dairy barns, farm buildings, manure piles and other fly-breeding places, but it may be used to control certain pests on livestock, such as ticks and lice on beef cattle; sheep ticks on sheep; lice on beef cattle, hogs, horses and sheep; scab or sarcoptic mange on dairy cattle, beef cattle, sheep and hogs. It also controls roaches, ants, mosquitoes and certain other insects.

ISOTOX Dairy Spray mixes readily with water for spraying. It can also be used as a paint around windows, doors, walls and ceiling beams—wherever flies gather. Directions for uses are printed on the label.

Phone your dealer or contact our offices listed below for immediate shipment. ISOTOX Dairy Spray will save you money through better pest control resulting in higher milk production.
What's phosphorus

Just a half a pound of your 250-lb. pig is phosphorus. This seems a small amount. But without it, your pig would die. And there are other minerals just as vital to livestock. Some they need in quite large amounts... calcium and sodium as well as phosphorus. Others we call trace elements. These they need in very small amounts... such as cobalt, iron, copper and manganese.

But your animals do need these trace elements. The people at the agricultural colleges have proved that past all doubt. Some minerals are a "must" if you want to raise healthy, fast-gaining cattle. That goes for lambs and hogs, too. For example, these men find that grass and grains in Dade County, Florida, are short of copper and iron. Clallam County, Washington, needs iodine to check goiter. They know that San Diego County, California, hasn't enough phosphorus. In Aroostook County, Maine, the scarce mineral is cobalt. Ranchers and farmers in these four corners of the country have this problem. Their feeds and forages are short of one or more vital minerals. Many other areas share the problem, including parts of the great Corn Belt.

But you ask, "How can I spot animals which suffer from mineral shortage?" It's not too easy. If the lack is serious, your stock may have rickets, "big neck," anemia or other ailments. But there are some early symptoms you can spot. These are bone chewing, loss of appetite, slow gains, rough and scruffy coats. Or just a general unthrifty condition gives you the clue. If you start feeding a mineral which contains the essential trace elements, you may bring them around fast. But if this doesn't work, then you should consult your veterinarian, county agent or agricultural college.

The common mineral deficiencies in your area are known. By feeding mineral-balanced rations, you can correct these lacks. Or you can build up the mineral content of the soil. Either, or both, of these will help you grow healthier livestock, at a lower cost.

Supplemental Mineral for Wintering Range Ewes

by William H. Burkitt
Montana State College

William H. Burkitt
Thirteen mineral elements are known to be necessary for normal functioning of an animal body. However, this does not mean that all 13 must be supplied in a mineral mixture. Many of them are present, under usual feeding conditions, in sufficient amounts for breeding ewes. Those lacking in Montanas include sodium and chlorine (salt), iodine, phosphorus, and possibly cobalt.

Lack of sufficient iodine in the ration of pregnant ewes results in lambs being born with "big neck" (goiter). Thin wool in lambs may also result. If dead or weak lambs have shown "big neck" or thin wool at birth in past years, stabilized iodized salt should definitely be fed the ewes this winter.

Phosphorus deficiency may exist in wintering range ewes, particularly if there is little or no supplemental feeding. Abortions and weak lambs may result from deficient phosphorus. Pregnant ewes should have from 0.16% to 0.18% phosphorus in their feed. Many grass hays and mature range grasses contain less than 0.15% phosphorus and some contain as low as 0.04% phosphorus. Bone meal, defluoriated rock phosphates, and monosodium phosphate are satisfactory sources of phosphorus. Palatability and consumption may be improved by mixing with salt.

Cobalt is believed to be needed by micro-organisms in the paunch. A lack results in loss of appetite, less feed consumption, and eventually starvation. A possible cobalt deficiency may be guarded against by mixing 1 ounce of cobalt salt with each 100 pounds of stock salt. Cobalt carbonate, chloride, or sulfate are all satisfactory. (Editor's note: The principles of nutrition discussed above apply to most kinds of livestock and in all parts of the country.)

Soda Bill Sez...

If your grass is receding, it's time to re-seed.
Don't "itch" for what you want—scratch for it.

FREE! The Story of Poultry

Children and grownups, too—here's another booklet in Swift's popular Elementary Science Series. Like the others in the series (on Soils, Plants, Meat Animals, and Grass), "The Story of Poultry" (Booklet E) gives the answers to many interesting questions. Do you know—

Where the first chickens came from?
Which breed of poultry is native to America?
How the shell gets around an egg?

You'll find the answers to these and dozens of other questions in "The Story of Poultry." Lots of pictures—easy-to-read words. Write for your copy today and show this notice to your school teacher. Yes, there are free copies for every kid in your class, if requested by your teacher. If you'd like the other booklets in the series mentioned above, ask for them, too. They are all FREE! Address your letters:

Agricultural Research Dept., Story of Poultry
Swift & Company UNION STOCK YARDS
CHICAGO 8, ILLINOIS
Hello Again!

We are glad to be back with the Swift page of information and ideas. What did we do all summer? Well, among other things, we visited with farmers, ranchers, agricultural editors and educators. And we rounded up the facts we need to make these messages interesting and useful to you producers. As we said away back in 1944—"This is your page, and we welcome suggestions from our readers." We still do. Just write to me at Swift & Company, Chicago 9, Illinois . . . And when you're in Chicago, drop in and see us.

LET'S SUPPORT OUR "MEAT TEAM"—You know, times change—but some folks don't change with the times. I'm thinking of the type of man who always thinks that someone is getting the best of him in business. He sells a load of steers. No matter what his return, he's not satisfied—the packer, the commission man, the retailer—somebody else always gets a "bigger slice." But, during this past summer, I talked to a lot of people about the livestock-meat industry and our mutual problems. And I found a refreshing, encouraging attitude—"Sure, we got problems. Who hasn't these days? But if producer, packer and retailer work together as the 'meat team,' we'll work things out . . ." It's just good business to have a decent regard for the contributions made by other members of your team. I hope you have followed the "Meat Team" advertisements of the American Meat Institute and will talk to your neighbors about them.

FACT CONFIRMED—Out in the West, whenever I passed a town with a local meat-packing plant, I thought, "This town, out here where there is lots of livestock, is well served by that local plant. But what about the distant cities filled with meat eaters and no nearby livestock production to speak of?" I know for a fact that meat has to travel an average of more than 1,000 miles to reach those consumers. The only way they can get meat is through the low-cost processing and marketing services provided by nationwide meat packers, like Swift & Company.

F.M. Simpson.

Agricultural Research Dept.
MONTANA QUALITY—John Bonner, center, governor of Montana, congratulates Herefordmen of his state on the excellent showings they made in recent Montana fairs. At the left is Archie Parkes, Vaughn, at the halter of AP Princeps 16, grand champion bull at the Midland Empire Hereford show. To the right are Howard Lewis, Bozeman, and A. C. Bayers, Twin Bridges, at the halter of Alpine Pioneer 14th, grand champion bull at the International Hereford Show in Great Falls.

FEED YOUR CATTLE
IN THE COOL OF THE PACIFIC COAST

- EVEN YEARLY TEMPERATURE
- PAVED - BEDDED CORRALS - NO MUD IN WINTER
- ACCESSIBILITY TO GOOD MARKETS
- LOW FEED COSTS
- COMPLETE - MODERN EQUIPMENT

PETERSSEN CATTLE CO.
P. O. Box 509, WATSONVILLE, CALIF.

Office Phone 1670 - Feed Yard Phone 1671
Allan E. Petersen (Nite 46-W-11) E. M. Petersen (Nite 235) Ray Paslay 1304-R Malon Moore 2744-J

Materially reduce the overall tonnage of pork and lard in comparison with numbers being produced.

Storage Stocks. By late Fall he figures that hogs will be in strong hands with the prospective short late winter supply being favored by reduced supplies of beef. The Fall accumulation of storage stocks will represent the lighter cuts of pork, thus placing the winter supply of heavier hogs in a more favorable position than might be indicated by the present live market, this economist predicts.

Another seasonal development in the swine trade was that heavier hogs and packing sows sold closer to butcher hogs than at any time in several months. The supply of heavier butchers is now about over and marketing of sows has also decreased sharply, both seasonal trends. In fact, the supply of sows this season was much smaller than anticipated at most points, which suggests that there has been a heavy breeding of sows to farrow in the Fall of 1949.

The lamb market has had a fairly good undertone for the last 30 days and while prices have not advanced sharply the small runs have been readily absorbed at stronger rates. One thing that has prompted better buying action is better quality. Western lambs were moving to the East in fair volume and
Like some tortoises and turtles, Kenworth trucks are noted for their long life. It is no longer even a novelty for a truck operator to own a Kenworth truck which has passed a million miles of service and is still going strong. This is due, in part, to the fact that, again like the turtle, a Kenworth truck carries a protective armor wherever it goes—tough sheet metal which stands up longer under harder service. But the fundamental reason behind the long life of Kenworth trucks is sound engineering which builds for the job in every detail—from frames to seats, from outside mounted air cleaners to heavy-duty front wheel studs, from threaded spring pins to continuous full length door hinges. Because Kenworth trucks are built for the job they last on the job—and there's more WORTH in KENWORTH.

When Wells Truckways, Ltd., was called upon to transport 112 head of buffalo from House Rock Valley across Arizona to Fort Huachuca, this Model 524 Kenworth livestock hauling truck was used. Although the original mortality estimate was fixed at 25 head, all the buffalo were transported safely, marking the first time buffalo have ever been moved such a distance.
FOR AUTOMATIC BALERS

CF&I Baling Wire

- Developed especially for automatic baling machines in accordance with manufacturers' specifications.
- Tested and approved by manufacturers of automatic balers.
- Uniformly wound.
- Easy to handle.
- Treated to prevent rusting.
- Exact measurement to eliminate wasted wire.
- Securely bound.

FOR HAND BALING

CF&I Silver Tip Ties

- One snip of the pliers and the bundle is open—ties can be easily and quickly removed.
- Loop is proper size for convenient handling.
- No sharp wire ends to tear hands or clothes.
- Properly annealed for uniform tensile strength.
- Tough, but pliable, for easy, tight baling.

CF&I Baling Wire and Bale Ties are as close as your local dealer—No waiting...no bothersome writing. See your dealer.

The Colorado Fuel and Iron Corporation
General Offices: Denver, Colorado
Pacific Coast Sales: The California Wire Cloth Corporation, Oakland, Calif.

Bear Claw Ranch

REGISTERED HEREFORDS

Several outstanding herd bull prospects now developing for fall trade. Backed by such bulls as Advance A. Domino, Advance Domino 140th, Battle Spartan 16th. You'll like 'em.

DAYTON, WYO. MRS. J. C. MORRILL, Owner
R. E. "Smokey" LEONE, Manager
ALSO BREEDERS OF REGISTERED ARABIAN HORSES

the bigger share of them were in killer flesh after a summer of excellent feed conditions. Lamb finishers have been taking all the lighter weight offerings for further feeding and at times have competed with killers for stock that weighed up around 80 lb.

Lamb Supply Small. The supply of lambs along the Pacific Coast was small during most of the period with very few topay kinds offered. Most lambs were selling at $23.50 and under at the close of the month while old ewes sold at $8.50 and under. Blackface feeding lambs were moving out at $22.50 to $23 at market points while in the country most of the business was being done at $20 and $21, f.o.b. loading point. Yearling ewes have sold in a wide price range with sales reported at $20 to $22 while three- and four-year-old kinds have gone down to $14.

It is very obvious now that the supply of fed lambs for late Fall and Winter will be rather short. Trade members feel that lamb prices will hold at relatively high levels, despite the fact that they are facing with more competition from other meats. A good demand is expected for feeder lambs for a balance of the season, but the supply will be cut short because of the large percentage of lambs arriving in killer flesh. This shortage of replacement stock is coming at a time when there appears to be more farmer interest in lambs than at any time in recent years.

Sprinklers Double Pasture Production

B. G. McClelland, Susanville, Calif., reports that he has doubled the carrying capacity and production of his pastures by the use of a sprinkler system. He has used 3,800 feet of 6-inch main line pipe from the river and one-half mile of laterals tapering down from four inches to three inches. In the half-mile of laterals there are 66 sprinklers that put out five and six-tenths gallons of water per minute per sprinkler. Mr. McClelland leaves each string of laterals on for 12-hour settings and says that with this combination it is equivalent to two inches of rainfall in a 24-hour period.

According to Mr. McClelland, last year about 70 acres of his ranch were all that he could get over with the amount of water he had by flooding. The sprinkling system has made it possible for him to irrigate the 150 acres this year with less water than he did the previous year irrigating only 70 acres. In addition, his pasture and crops are much better under the sprinkling system and besides the extra amount of pasture and hay he is getting, the carrying capacity of livestock is doubled.
IT'S LUCKY
when you live in
the West

LUCKY LAGER
the age-dated beer
CUT BRUSH SPROUTS, WEEDS

Quicker and at Less Cost!

Pastures originally cut with a Caldwell Giant Brush cutter, bulldozed or grubbed can be maintained efficiently and at less cost with CALDWELL WEED CUTTERS. One man and one tractor with the hook-up shown above can weed 75 acres per day. Why use three men, three mowers and three tractors to do the same job?

When you use these machines in your pastures you do more than just cut sprouts and weeds. The machines' chopping action loosens the top soil without damaging the grass growth. The result is better water-holding capacity, better seed-catching ability, and better grass.

Caldwell Weed Cutters are six feet wide, and can be used singly or in combination. They are fully guaranteed as to materials and workmanship. There is nothing about them to get out of order. All we ask is that you ask the ranchman who owns one.

E. L. CALDWELL & SONS
CORPUS CHRISTI, TEXAS
Weed, Stalk and Brush Cutters, Rollers, Packers

Please Mention Western Livestock Journal When Writing Advertisers

Dos Pueblos
REGISTERED HEREFORDS
Now offering rugged yearling bulls and a number of open heifers for sale.

Dos Pueblos Ranch
Goleta, Santa Barbara County, Calif.
Ray Ault, Supt. Bob White, Herdsman

ADAMS
HEREFORD RANCH
CHICO, CALIF.
Breeders of top quality REGISTERED HEREFORDS RANGE BULLS FOR SALE
GEO. WASHINGTON: Manager: E. L. ADAMS: owner

News Letter
from the
NATION’S CAPITAL
By FRED BAILEY

WHAT FARMERS will get in the way of price support legislation in 1950 nobody could be sure in late August, least of all most of the lawmakers. The farm legislative snarl on Capitol Hill was the worst within recollection of the old-timers.

Only two things appeared fairly certain:

(1) Basic crops probably are to be supported through next year, as this, at 90% of parity.

(2) Subsidy payments to producers, as suggested by Agriculture Secretary Charles Brannan for meats and other perishables, are out for this year... but will continue to be an issue.

Agriculture Secretary Brannan’s comment on a bill put forward by his former boss at USDA, Sen. Clinton Anderson (D., N.M.), former Agriculture Secretary, was revealing, in more ways than one.

For one thing, it highlights growing differences between the two men whose ideas on farm policy have presumably jibed in the past. Secondly, it points up the fact that Administration leaders themselves are split on farm policy questions.

Anderson and some other leading Democrats on Capitol Hill clearly don’t want to support prices for livestock products, or any other commodities, by direct subsidy payments to producers. Brannan just as clearly is going to continue his fight for authority to do so, and is likely to get full White House backing.

His letter to Anderson, commenting on the senator’s proposed bill, makes the issue stand out in bold relief.

“The proposed bill provides no mandatory minimum level of support for important livestock and poultry prod-
NEWS FROM DU PONT
for every man who buys
Protein Feed for Cattle and Sheep

"TWO-SIXTY-TWO" FEED COMPOUND SUPPLIES
UREA AS A SOURCE OF PROTEIN

When the feed you buy contains "Two-Sixty-Two," you know that your feed manufacturer knows the latest facts about protein. On the tag it will be listed as "protein from non-protein nitrogen."

Many feed manufacturers now use this additional source of protein because of its high value for concentrates, pellets and other mixed feeds for cattle and sheep.

To make the best use of grains and forage feeds, cattle and sheep need protein. With "Two-Sixty-Two" the feed manufacturer can economically build supplements and pellets that have the protein value needed by range and feed-lot stock.

"Two-Sixty-Two" is the urea feed compound developed by Du Pont for use in commercial feed mixtures. It has been tested in extensive feeding trials over the past 10 years at state colleges such as Oklahoma, Texas, Kansas, Nebraska, Wisconsin, Illinois and Cornell. Each year these research experiments as well as farm feeding results continue to show the value of "Two-Sixty-Two" to supply part of the protein for ruminants.

For full details on how this excellent new feed ingredient supplies protein in mixed feeds, write Du Pont, Ammonia Department, Wilmington 98, Del.

WHY "TWO-SIXTY-TWO" IS A VALUABLE SOURCE OF PROTEIN

Cud-chewing animals are able to grow some of their own protein in their paunch, or rumen. Billions of bacteria and yeasts in the paunch grow by feeding on natural proteins, carbohydrates and cellulose (roughage). They multiply faster when the feed contains extra nitrogen as "Two-Sixty-Two," which they convert to protein. Then the animal digests these large numbers of bacteria and yeasts to provide for its own protein needs.

For greatest feed efficiency, "Two-Sixty-Two" should never furnish more than one-quarter to one-third of the total protein. A good supply of high-grade carbohydrates in the ration helps insure the greatest feeding value of feed mixtures and pellets containing "Two-Sixty-Two."

Du Pont "TWO-SIXTY-TWO" Feed Compound
How It Is Produced

Air

Coal

Water

Ammonia

Carbon Dioxide

Urea

Crystallizing & Drying Operation

Formulating

"TWO-SIXTY-TWO" IS A REGISTERED TRADEMARK OF E. I. DU PONT DE NEMOURS & CO. (INC.)
RANCH FENCING
is our specialty

• Corral — rail — hurdle — barb wire — using either wood or galvanized iron posts.

We can handle your particular fencing problems anywhere in California or Nevada. We have the know-how gained by erecting miles of lasting fence of all types. Our special equipment enables us to build fence more quickly and efficiently, saving time and money for you.

Peninsula Fence Co.
698 Chimalus Drive
Palo Alto, California

ALWAYS EXCELLENT STANDS
Says C. S. Merriman of Clovis, Calif.

GERMAIN'S
PASTURE BOOK

Above photo from Mr. Merriman shows stock grazing in field sown with Germain's Pasture Grass Seed. Mr. Merriman also says, "We have planted Germain's Premium Brand Seeds for several years and would not consider planting any other Pasture Grass Seed."

Pasture Grasses are only as good as the seed from which they grow. PLANT THE BEST — Germain's Premium Brand Seeds.

FREE! GERMAIN'S PASTURE BOOK — Send today for a free copy of Germain's Pasture Book. Fully illustrated, it contains complete information on pasture grass seeds, type of soil required, when to plant, moisture and climatic requirements and other invaluable data for the livestock producer and dairymen.

Also Distributors of Dale Butler's Pasture Grass Seed Mixtures.

Send Coupon Today for Free Copy of Germain's Pasture Book

Please send me without obligation, your PASTURE BOOK giving complete information on pasture grasses and their use.

Name
Address

Send to Dept. WL-9

GERMAIN'S
747 TERMINAL ST • LOS ANGELES 21, CALIF.
Branches throughout California and Phoenix, Arizona

 productos," Brannan charges. "I have recommended that Congress establish by law a mandatory minimum level of support for these commodities, among the others, which contribute importantly to farmers' income and play a large part in consumer expenditures...

"If the bill had placed the important poultry and livestock products in the category of either basic or designated non-basic commodities to be provided mandatory minimum supports at adequate levels, I would then have been in full accord...

"A particularly undesirable feature of the bill is its failure to provide any effective and efficient method of support for perishable commodities."

The Administration invasion of the West this month to put over the Brannan program is another indication of fireworks to come during 1950, an election year. Democratic politicians in Washington are not concealing their pleasure at the results of the political rally held in Des Moines, Iowa, last June. That was the reason they decided on a similar political love fest in San Francisco this month.

Scheduled to speak at the West Coast meeting, Sept. 18 and 19, were Vice President Alben W. Barkley, Brannan, and other key cabinet officials. "Land, Water, and Jobs" was the announced topic of the 2-day political whining, but the Brannan plan was to be the big feature.

Even Brannan opponents in Washington concede that he is effective, and apparently is making gains for his point of view.

Midwestern newspaper and farm magazine polls, taken following the Des Moines meeting, indicate that a majority of farmers in the area favor the Secretary's program.

Republican leaders are wheeling into position in an attempt to set a grassroots backfire against the Brannan plan. A full-dress GOP farm rally is to be held in Sioux City, Ia., Sept. 23 and 24.

On hand will be top party officials, Republican members of the House and Senate Agriculture Committees, and GOP governors from the area.

Republican leaders are still smarting over their surprising defeat in farm areas of the nation in the last election. They see the Brannan plan as a major threat to party success in future voting.

Announced purpose of the session
Here are FRANKLINS Recommendations for Avoiding the Losses of "Shipping Fever"!

COMPLETE PROTECTION is a complicated job starting with proper handling during weaning and shipping.

The infections involved are often complex. Preventative vaccination with FRANKLIN Corynebacterium Pasteurella Bacterin gives you the benefit of a full dose for each of the two organisms considered to be most dangerous.

For best results calves should have a 2 cc. shot two weeks before weaning or shipping and again a week or 5 days before. In many cases this is not practical, so next best method is to vaccinate at shipping time and again at destination. Spring vaccinated calves should get a 2 cc. shot before fall shipping to bolster up their resistance.

Avoid overheating and sudden chilling. Avoid conditions that lower resistance during shipping, such as branding or dehorning.

Watch closely for a few days after arrival for symptoms that would call for segregation and prompt treatment measures.

If You are Buying Stockers or Feeders DON'T TAKE CHANCES Vaccinate for Complete Blackleg Protection!

Be SURE. There's always the possibility that some calves didn't get properly vaccinated. Give each animal a dose of Franklin Clostridium Chauvei-Septicus Bacterin. This popular product combines a full immunizing dose against Blackleg with a full immunizing dose against Malignant Edema. The cost is small. The effect is complete and lasting Blackleg protection. Eight years of steadily increasing use has demonstrated its thorough dependability.

The leading Drug Store in each locality is usually the local Franklin dealer. If you will drop a card to any Franklin office we'll send you name of the Dealer nearest to you, and mail you a free copy of the 80-page illustrated Franklin Catalog.
Livestock Exhibits and Sales of national importance — gala entertainment in glamorous San Francisco.

1. **AT THE COW PALACE**—$143,000 total cash prizes. Nation's finest livestock. Breeding and feeder livestock auction sales. Rodeo—International Rodeo Association Championship Finals. All-star Horse Show. Stellar circus acts. Best combination Arena Show yet. Don't miss it!

2. **IN SAN FRANCISCO**—"Grand National Week"—Varied program of special events for your added enjoyment: Radio shows; fashion parade; sight-seeing; hit stage-attractions ... all in full swing during the Grand National.

**PLAN NOW TO ATTEND**
**BRING THE FAMILY!**

Mail coupon today

---

**THE EVER-NORMAL GRANARY** pushed by Henry Wallace when he was Agriculture Secretary is being talked up again by Department officials. This time, however, they have a different name for it.

It is called a “stabilization reserve.” Farmers are due to hear much more about it.

Top thinking is that a substantial reserve of both feed and food grains is needed to provide a stable domestic supply, with enough left over to meet emergency export needs.

Braman's speech and testimony on Capitol Hill have reflected the strong opinion that ample reserves of feed grains are needed to provide a constant, high-level supply of meats, dairy, and poultry products.

Feed supply uncertainties from year to year, he thinks, retard a needed expansion of livestock numbers and decrease supplies of the end products available for consumers.

**INSIDE TALK** at the USDA is that the corn loan program on next year's crop will be expanded to the entire country, instead of limited to the so-called commercial corn area as in the past.

The question of whether all corn producers should be included in the price-supporting loan program has long been a matter of sharp controversy.

The commercial corn area now consists of about 400 counties in the corn belt and fringe states which presumably have corn to sell as well as feed.

Under the contemplated program, loans would be made in all states at the full 90% of parity rate, adjusted for freight differentials, and for special storage conditions in the South.

Several complications would result from a final decision to extend corn loans to all producers.

Corn allotments and marketing quotas are almost sure in 1950, due to the big upcoming crop and large carryover. Under the contemplated program, corn growers throughout the nation would be eligible to vote in a quota referendum.

But would farmers who must import additional corn for feed vote to keep prices up through marketing restrictions?

**POLITICIANS HERE ARE** in a quandary over the unusual circumstances surrounding the appointment of
Spring Pasture Benefits in Ful-O-Pep promote condition, health and growth

ONLY Ful-O-Pep is fortified with Concentrated Spring Range* ... made from tender, young forage plants ... carefully grown on rich, fertile soils and scientifically processed to preserve their high feeding value.

Like green grass itself, this Vitamin Boost supplies many nutrients needed for herd health ... fast calf growth ... top bloom and condition. At the same time it stimulates the growth and multiplication of bacteria in the rumen—enabling cattle to assimilate home-grown grain and roughage efficiently.

This ingredient—plus quality proteins and organic-source minerals—has made Ful-O-Pep a consistent winner with profit-minded cattlemen. You, too, may find vitamin-rich Ful-O-Pep a great feed for profit. Plan to see your local Ful-O-Pep Dealer soon.

And send for FREE Cattle Book, too! It contains many valuable chapters on management and nutrition. Mail your request NOW to The Quaker Oats Company, Dept. I-49, 1542 Calada Street, Los Angeles 23, Calif., or P. O. Box 4376, Portland, Oregon.

Knox T. Hutchinson as the new Assistant Secretary of Agriculture.

Neither the President nor Secretary Brannan asked the new appointee whether he favors the Brannan farm plan before he was put into his new post. Nor was he asked to make any commitments before accepting the job.

There is some reason to believe that Hutchinson has not been a whole-hearted supporter of his new boss' ideas. Operator of a 550-acre farm in Tennessee, he was an officer of both the Grange and Farm Bureau when appointed.

Both of these powerful farm groups are strongly opposed to the Brannan plan.

After examining the patient the doctor told the husband—"I don't like your wife's looks."

"Well, Doc," said the husband, "I never did care much fer her looks, but fix her up anyway. She shore does take good care of me and the kids."

Jensen Pump Jacks are kinda like that—not so hot to look at maybe, but they shore will take care of your water needs. If'n you're skeptical address a penny post card to 1014 Fourteenth Street for FREE literature. Do it today.

We like skeptics.

JENSEN BROTHERS MFG. CO.
COFFEYVILLE, KANSAS, U.S.A.
EXPORT OFFICE, 50 Church St.
New York City

REPORT FROM IDAHO—

"A NOTHER lamb shipping season is almost over again here. Idaho lambs don't look so good on account of the late June freeze which took flowers and weeds, and then the dry summer. We will probably wind up the season 5 to 6 lb. per head lighter than last year and net around 25% less money per head than the 1948 crop. "Yearling ewes are in plentiful supply around the state, selling about $5 per head lower than last spring.

"There is evidence that all growers are curtailting expenses, avoiding expansion at present and doing a good job of adjusting downward.

"As you know, we tried the auction method as an optional selling service to carlot consignors of lambs to the Ogden market this year, but with our commission firms handling the deal and a down trend market, it did not work out satisfactorily."—Ray H. Wood, Idaho Falls, Idaho.

CONSTRUCTIVE ARTICLES—

"MAY I take this opportunity of congratulating you upon your August issue just received. Especially, may I point out the high value of your article entitled 'Efficiency—Watchword for Range Cattlemen of the West's Third Generation' by C. A. Brennan.

"Too often not enough of us realize that efficiency also applies to ranching as well as to the usual application of the word to business and industrial production. Methods of applying efficiency to ranching are of the highest importance, and any time that they can be
Here is the famous bonus of pulling power at work—proving to a stockman what it means to own non-slip traction teamed with a heavy-duty "Caterpillar" Diesel Engine.

It's a 10½-foot Killefer offset disk (24" blades) angled for deep business that the 43-h.p. Diesel D4 is pulling at fourth speed. And the D4 is pulling directly across cultivator-furred corn rows, with track travel on an even keel!

"We have used other-type tractors for years," states Hugh D. Good, for Charles L. Good & Son, Santee, California.

"The D4 is our first track-type machine.

"The D4 pulls the 10½-foot Killefer disk very easily. This is the first year we have been able to work our corn ground right. The D4 crosses the furrows as easily as my other tractor follows them.

"We farm 300 acres of grain land near Ramona, and 95 acres here for our stock. We formerly hired custom operators to do our heavy work. They had such good success with 'Caterpillar' Diesel Tractors, we insisted on one of our own."

Behind the stand-out satisfaction of "Caterpillar" Diesel Tractor owners is their ability to pull extra heavy equipment and do extra effective work. Besides that, they can show plenty about operating economy, starting with fuel thrift!

....Some models of "Caterpillar" Diesel Tractors will be available for early delivery. See your dealer soon.

CATERPILLAR TRACTOR CO.
San Leandro, California...Peoria, Illinois
No. 36
Self Feeding Molasses
On Pastures And Ranges

Livestock Feeders! CANE FEED MOLASSES is the LOWEST COST CARBOHYDRATE on the market today.

Feeding straight Cane Feed Molasses in open troughs on permanent pasture or open range offers a low cost method of producing economical gains. Cattlemen report the self feeding of molasses on range and permanent pasture lengthens the life of pasture, producing continuous low cost gains throughout the grazing season.

The readily available carbohydrates in molasses aid in providing a more balanced ration for livestock on pastures or in dry lots. Take advantage of the economy of Molasses Feeding and contact us today for prices.

Our tank trucks can make prompt deliveries direct to your feeding point. Molasses storage tanks ready to be placed on your ranch are available for immediate shipment.

```
Mentally Iried—
NOTICE in your 'Comments' of August 18 that you are somewhat in a quandry as to the difference in spread and demand for prime beef and for steck beef—and ask opinions, etc. My observations are based on the conclusion that a goodly portion of the people are mentally irked by the seven or eight years of 'any kind of meat.'

'It is far more appreciated to have one good portion of meat which can be chewed and relished than to have five portions of meat which bring forth caustic and pungent criticisms due to toughness and other characteristics. Don't believe you need feel there are an abundance of extra dollars rattling around in pockets—too many expenses in general living costs.'—C. E. Hamann, Hesperia, Calif.
```

```
It's the Tops—
```

```
W EATHER LIVESTOCK JOURNAL. Seems like the old paper again. New type of paper. Also the Horse of the Month—good enough for framing. It's the tops for livestock papers.'—E. D. Call, New Albany, Ind.
```

```
Class A Test
```

```
GOOD breeding stock is difficult to find in the dairy goat business. We could have sold our beginning herd many times over, so we are very small as yet. Eighteen doe kids are being raised this year and there are seven yearlings to breed this fall. Seventeen does are now in production. The herd is on Class A advanced registry test and we hope to have some stock from tested sires and dams for sale next fall.'—Philis Crow Parsons, Albany, Ore.
```

```
Texas Crops Good—
```

```
THE CATTLE ranges and the crop conditions were never better in this country at this time of the year.

'Cattle are in fine condition, but the demand for stockers and feeders is very slow at quite a lower price. The calf crop over the state is fair, but very little contracting for calves has been done so far. The farmers are in good shape financially on account of the high prices of their products made by the high loan values and big crops.'—Chas. Moorhouse, Benjamin, Texas.
```

```
WHEN YOU THINK OF CULTIVATION
THINK OF HAYMAN’S DEPENDABLE IMPLEMENTS
AND SEE YOUR B. HAYMAN DEALER
```

```
B. HAYMAN CO., INC.
Since 1876
3301 Leonis Blvd., Los Angeles 54, Cal.
Telephone: Klmball 2288
```

```
When you think of cultivation, think of Hayman’s dependable implements and see your B. Hayman dealer.
```

```
Class A Test
```

```
When you think of cultivation, think of Hayman’s dependable implements and see your B. Hayman dealer.
```

```
Mentally Iried—
```

```
Again, congratulations, and we sincerely hope you will continue with your constructive articles for more efficient ranching and cattle raising in the West.'—D. G. Freed, Salt Lake City, Utah.
```
Suppose you could take your wife's measuring cup, and, as you poured in a given amount of each type of vaccine the volume increased as you poured it, according to its relative immunizing value.

Plain bacterins would barely wet the bottom of the cup, alum-precipitated products would fill to half-way, while Alhydrox vaccines would fill to over-flowing.

Of course you can't measure the potency of Alhydrox vaccines this way, but you can compare the results obtained with Alhydrox as against old-time products. Cattlemen who used to think that bacterin was a pretty good product because there were only occasional losses now know that even these occasional losses are unnecessary. Scientific research, conducted on a round-the-clock basis at Cutter, has steadily improved upon earlier attempts to reduce disease in livestock—to make ranching more profitable.

LIKE GIVING AN IMMUNIZING SHOT EVERY 5 MINUTES

Alhydrox, added to proven, potent biologicals, holds the vaccine in tissues longer, releasing it slowly—like an immunizing shot every five minutes—to build maximum immunity and peak protection against disease. ALHYDROX IS A CUTTER EXCLUSIVE—FOUND ONLY IN CUTTER BLUE RIBBON VACCINES.
Will this calf die from Blackleg or Malignant Edema?

He might—unless adequately protected with a proven, potent vaccine.

**Blacklegol** "S"*—**CUTTER**—protects in one 5cc dose against both of these killers. Blacklegol "S" is a **concentrated** product and each 5cc contains a full dose of Blacklegol* plus a full dose of malignant edema vaccine.

What advantages does Blacklegol "S" give you? Twice the concentration of ordinary vaccines plus Alhydrox.

Cutter also produces a combined **unconcentrated** ALUM-precipitated product and PLAIN bacterins, but remember that neither alum-precipitated products nor the plain bacterins can give the same enduring immunity that Blacklegol "S" gives with just one shot.

Advise your Cutter veterinary supplier of your anticipated needs. Insist on Blacklegol "S" fortified with Alhydrox.

*Alhydrox means aluminum hydroxide adsorbed. Alhydrox was developed and perfected by Cutter, and is available only in Cutter vaccines. Added to proven, potent biologicals, it acts to hold vaccine in tissues longer, releasing it slowly to build peak immunity that endures and protects even in the face of epidemic outbreaks. Alhydrox is a Cutter plus value. *Cutter Trade Names
SELF-PROPELLED PRUNING TOWER CUTS TIME AND LABOR COSTS

This self-propelled pruning tower was made by a Napa Valley prune grower from old auto and truck parts plus a small 5 h. p. gas engine. The engine does double duty, operating the air pressure for pruning shears and propelling the tower from tree to tree. The outfit is steered from the upper platform by controls extended forward and upward from the engine, which is set in the center of the chassis.

NO SMOKE, NO ODOR, WITH UNION KEROSENE!

Give Union Kerosene a real test on your farm. Check for yourself how it burns steadily without smoke or fumes. See how it burns for long periods without damaging wicks. Then you'll know why this clean, solvent-treated fuel is rated as an outstanding premium product. And you'll be pleasantly surprised at its low cost, too. Phone your local Union Oil Farm Representative for a test supply now.

HALF-TRACK LICKS TOUGH SILO JOB

Here's the way a Stockton dairyman gets wet, hard-packed ensilage out of a pit silo. An old war surplus half-track, equipped with arms, bucket with teeth and hydraulic controls, bites off a quarter-ton load at a time. This cost-cutting idea takes a lot of the sweat and swear out of a tough and dirty job.

WHAT DO WE MEAN BY TRITON'S EXTRA MARGIN OF SAFETY?

Simply this: Triton Motor Oil offers protection beyond established lubrication requirements of your gasoline-powered farm equipment. How? Special chemical compounds have been added to the rich, pure 100% paraffin-base stock. These patented compounds retard acidity, sludging and corrosion and clean the engine as it operates. The result... Triton's extra margin of safety. So for longer-lasting protection, call your Union Oil Farm Representative and change now to Triton.

UNION OIL COMPANY

"The Toughest Lubricants in the Field"
The 2-plow Farmall C tractor delivers 20.5 horsepower to drive a No. 7 ensilage cutter; plows 6 to 9 acres a day.

Farmalls

...to fit your farm
...to fit your work

The 1-plow size Farmall Super-A tractor plows 3 to 6 acres a day; has standard tread and Farmall Touch-Control.

The popular Farmall H is a full 2-plow tractor. Plows 9 to 11 acres a day.

The Farmall Cub tractor does all jobs on farms up to 40 acres. Plows 3 1/2 acres a day.

Here is what a choice of five Farmalls means. You can enjoy the 26-year proven advantages of the Farmall System of Farming on any size farm. You can select the right Farmall—or combination of Farmall tractors—for every job the year around... you balance your power with your farm, your labor, your time. Only International Harvester can build Farmall tractors, you know—so see your International Harvester dealer about the five Farmalls and matching McCormick farm equipment.

The Farmall M tractor gives you easy-to-handle 3-plow power; plows 15 to 17 acres a day.

INTERNATIONAL HARVESTER

This modern building symbolizes the expanded service facilities of IH dealers throughout America.
The month of August really started off for me on July 30, when Homer Sanborn had his Polled Hereford sale. Homer's new setup for his sales ring at his home ranch was really fine, and Forrest Springsteen and Paul Morehead got the cattle in and out of the ring in their usual prompt and efficient manner. There was a good crowd present, but the buyers weren't in a mood to pay too strong prices for the cattle; it was more or less of a bargain day for the purchasers of the cows and calves and heifers. I thought the bulls brought pretty satisfactory prices.

Mrs. Sanborn and her daughters-in-law put on a very nice after-the-sale dinner that a good many of us who were present got in on, and appreciated a lot. The sale brought together a good many of the California Polled Hereford Assn. members, which group included Ed Spoor, the president, and his wife, Marion. After the sale they took Fred Dressler and his wife, of Gardnerville, Nev., and W. C. (“Buck”) Gover and his wife, along with them over to their Garden Bar Ranch up at Wolf, in Nevada County, between Auburn and Grass Valley. The next day my wife and I trailed along and joined the bunch there. It was really quite a day for all of us.

Fred Dressler had shed his ranch clothes and was all dressed up like a horse for the trip, but Ed had pressed him into service, tattooing a few of his purebred Polled Hereford calves, and, by the time we reached the ranch, the pristine freshness of Fred's costume was somewhat impaired. We all got a pretty good workout that day, as Ed insisted upon taking us for a ride in his pickup over what he called roads—those of us who sat in the back of the truck on some fruit field boxes Ed had collected from his Ventura County lemon orchards had a teeth-chattering experience, and were well "shook down" for the good dinner Mrs. Spoor gave us later in the day. The Dresslers and the Govers took off for home about 6 p.m.—to Nevada, and to Anderson, Calif. I wondered what time they got home that night to the two widely
separated ranches. Anyhow, we all had a good time that Sunday.

A VISIT the next day to Mrs. Worthen Bradley's Solfa Tara, Clearlake Park, Polled Hereford ranch, was interesting—the workings of the old quick-silver mines that were operated during the wars would not give one the impression that a purebred Hereford outfit was in the offing when driving into the ranch, but Mrs. Bradley has some very nice irrigated pastures tucked away on the shores of Clearlake, some hill pastures adjoining, and her cattle were all doing well. She showed me a little bull calf about three weeks old out of a Van's Domino 63 cow she purchased at the Bonelli dispersion; the calf was sired by MW Larry Domino 45, the horned Hereford bull that Mrs. Gladys Cooper, Vern Pickrell, and Kenny Vaughn bought at the same sale. For a little fellow, this bull calf looks very good, and I think he shows a lot of promise. Sad to say (from Mrs. Bradley's standpoint), the calf has some horns starting, but I think he will bear watching.

Mrs. Bradley's knowledge of the breeding of the cattle in her herd impressed me. I've been around with a lot of men who have had lots less information and personal acquaintance with the individuals in their herds than Mrs. Bradley displayed that day.

EARLY in August the Sonoma County Fair occupied a few days of my time. This fair has always seemed to me to be one of the most interesting and valuable of any of the county fairs in California. The last few years it has been under the very capable management of J. Wesley Jamison. He and his unusually strong group of assistants again this year were successful in putting on a fair which was well attended, and the exhibits were about as good as any I have seen there. The junior department is always a strong one at Santa Rosa, and competition is very keen. The Future Farmers had an Angus steer that won the championship in their division, which was fitted and shown by Harlan Wagner, of Petaluma. This was really a good steer, in nice condition, and probably would have done well at one of the larger shows.

A rather spectacular event was the winning of the 4-H steer championship by Gene Stuart, of the Windscor 4-H Club. Gene is a little chap with lots of pep and personality. He won the championship of the 4-H division at Santa Rosa a year ago, and when he repeated this year he got a big hand from the crowd. Clifford Bath, son of George Bath, well-known California livestock judge and all-around good fellow, won the swine showmanship contest of the 4-H division—like father, like son. It looks as though Clifford is following in his Dad's footsteps.

I think the whole junior program at Santa Rosa was undoubtedly one of the most valuable assets of the fair, as it is in many other fairs, and, in a way, justifies the general California fair programs, some of which entail a lot of hard work and expense, without, it appears to me, any other real adequate return. However, practically every junior program I have seen at these fairs and sales I have attended this year has been well worth while, and undoubtedly a strong influence in building up real interest of the boys and girls in agricultural and other lines of future life work. I am strong for the juniors and their shows and sales.

Whenever I go to the Sonoma County Fair it brings to mind the days that Teddy Lovell and I spent there together. I suppose there never was a man connected with the purebred livestock industry in California that was better known and liked than Teddy Lovell, and we all regret his untimely passing a number of years ago. Teddy's very pithy and characteristically entertaining comments and remarks about livestock happenings and individual cattle and horses will never be forgotten by any of us who knew him well.
GRANDE
DOMINO 2d

Champion Bull
1948 California
Hereford Ass’n. Sale

2nd ANNUAL Production Sale
of REGISTERED HEREFORDS
SEPT. 28
COTTONWOOD IDAHO

89 HEAD
40 Cows and Calves
22 Bred 2-year-old Heifers
15 Yearling Heifers
12 Bull Calves

Sherman Guttridge represents
Western Livestock Journal

GEHRING BROS.
Ben • Ted • Joe
KEUTERVILLE, IDAHO

Our females are grand daughters of the great BEAU ASTER 55th through several of his best sons that we have been using for several years. During the past few years, we have been crossing these females with our new herd sires:

COLORADO ASTER 8th. (Redies bred bull from Sheridan, Wyo.)
BCR ADVANCE A 18th. (From Bear Claw Ranch, Dayton, Wyo.)
ROYAL 2d. (Of our own raising.)
DUKE ASTER and ASTER JUNIOR 4th. (By Beau Aster 55th.)
GRANDE DOMINO 2d. (Pictured above, and our latest sire.)
OFFERING NOT STALL FITTED.

BANGS CALFHOOD VACCINATION PROGRAM FOLLOWED FOR YEARS
His was a great influence in livestock circles in California.

ONE day in August I visited Ples G. Poynor at his Polled Hereford ranch near Escalon, Calif., and he showed me another MW Larry Domino 45 heifer calf out of a Bonelli cow he bought at the sale. This little heifer calf looked good to me, too, and apparently has no horns. Ples Poynor has a lot of the John Lewis breeding in his herd; in fact, he has two Lewis bulls in service now, and they are getting him some good calves.

Funny how you run into people you know when you aren't looking for them. My wife and I drifted into a restaurant down in San Diego one night in August when we were looking for some seafood, and hadn't any more than got our orders in when H. H. ("Tubby") Davis and his wife, from Los Olivos, and his half-brother who lives in San Diego, sat down in an adjoining booth. "Tubby" certainly looked flabbergasted when he saw me sitting across from him, and he expressed himself some­what forcefully in his surprise! Tubby's brother turned out to be a real expert on tossed salads—a "Greek" version, I believe they called it that night, and we got in on it.

We visited Glen O'Brien's ranch, near Ione, one rather hot day in August. Glen's wife, Jane, had been away a few days on a trip to San Francisco visiting their daughter, Barbara. Glen had just signed off from a hot morning's work with his overhead irrigating system, and was taking a rest, but nothing would do but that we must stay for lunch. He turned out to be a real cook—of course, Mrs. O'Brien had left things handy for him in the refrigerator. But, anyway, Glen did a good job and we appreciated his efforts. After lunch Glen introduced me to his jeep (he used to sell 'em) and we burned up a story of the history of his livestock enterprises. Thir­teen years ago he bought two commercial grade Hereford heifers—one horned, one Polled. Then, as his circumstances permitted, he started buying a few purebred registered Here­fords, mostly Polleds, and, in this year of 1949, he has over 100 head of pure-

bred registered Polled Herefords and a nice ranch to raise them on. He says all of his younger purebreds were bred and dropped on the ranch.

I reckon Cyrille and his wife have had a pretty busy time throughout these years, but they are young and vigorous, and it seems to have agreed with them. This story convinces me more than ever that if a young fellow has enough grit and determination he can succeed in agricultural and livestock lines in these days as well as his forebears did in pioneer days. Cyrille has two younger brothers and four sisters, and his father and mother are living on an adjoining ranch. The two younger boys, Joe and Jean, are active 4-H'ers, and both had steers they showed and sold at the Porterville spring 4-H show. Quite a busy family, I'd say.

NELSON CROW and I had lunch at the Los Angeles Stockyards cafeteria one day late in August, and ran into Roy Benton, Ed Garnier, and Ed Lloyd; we all sat down and ate together. Ed Garnier is a prominent cattlemen from Ventura County, and Ed Lloyd has been identified with cattle buying and selling around the Los Angeles Stockyards for many years. Roy Benton is a well-known commercial feedlot man, and always has a large number of cattle in his feeding pens at Walnut. He had just gotten back from Arizona that morning, having made a circle tour around the ranches in the
northern part of the state, which included a trip to the north rim of the Grand Canyon. Roy said the cattlemen had come out of the very severe winter in pretty good shape, but that the summer had been rather dry and the cattle probably wouldn’t be weighing as much as usual this fall.

This has been a rather tough year for pastures and feed generally in California, but I’ve been impressed more than ever with the carrying capacities of both irrigated and hill pastures under the rather adverse conditions. Almost all the stock I’ve seen have been in good condition, and most of the calves look good. In some cases more dry feed and supplements have been fed than usual, I imagine, but most of the cattlemen seem to be getting by without too much stress or enforced movement of their herds.

I am writing this from Salt Lake City, having just driven over from Los Angeles, via Las Vegas, Nev., on a trip to Colorado. Much to my surprise, it was really nice coming across the desert from Barstow to Vegas. We hit it after the sun went down, which is a good way to make the trip at this time of the year. Coming north on Highway 91 we saw a few cattle—not many, as at this time of year most of them are in the high country yet. What beef cattle I did see were very much better than we used to see 30 years ago in southern Utah. The cattlemen, Forest Service, and the Utah Extension Service have sure done a good job in combining their efforts to secure good range bulls for Utah, and their programs have definitely paid off in higher quality beef cattle.

I remember the first time I came to Salt Lake City from Denver to judge a North Salt Lake Stock Show that Joe Manderfield and “Doc” Mead were sponsoring. There weren’t many beef cattle shown. The Winterton boys (Ralph and Claire were kids then) were about the only exhibitors—how times have changed. The high spot nowadays in this country is the Junior Stock Show and Sale at North Salt Lake, which, for numbers, quality, and prices obtained, ranks as high as any western junior show.

Also I remember another time in the early 30s that I came to Salt Lake to judge beef cattle at the Utah State Fair. That year Wray Bergstrom of the Baldwin Ranch at Pleasanton, Calif., sent Stewart Cooper out with Beau Baldwin 32 in his 2-year-old show form, and I started him off on his championship career that year. I always liked him a lot (but Cal Kinzer and Frank Smith didn’t). Also that year at Salt Lake I got stuck to judge the Milking Shorthorns. The old-timers who were here will remember the somewhat disastrous results! Walt Davison, now with Hal Williams at Madera, had Wharton Allen’s Shorthorns here that year, and Harry Smith, now with Oliver Wallop’s Canyon Ranch Herefords in Wyoming, was showing L. Chatterton’s Montana Herefords. Well, that’s enough reminiscing this time.

---

**“Cream of the Crop”**

**Annual Consignment Sale**

**Sponsored by**

Northwest Hereford Breeders’ Association

**Nov. 7-8 at La Grande, Oregon**

New Union County Livestock Sales Pavilion

**BULLS and FEMALES**

**SALE COMMITTEE:**
H. B. SAGER
Bozeman, Mont. Auctioneer

H. B. SAGER
Bozeman, Mont.
Auctioneer

For Sale Catalog, Write:
MILLER & TEALE
Salem Managers
W. 807 Shoshone Pl.
Spokane 9, Wash.

**NORTHWEST HEREFORD BREEDERS’ ASSOCIATION**

September 15, 1949
Here's WHY

Firestone

CHAMPIONS

GO THROUGH WHERE OTHERS HANG UP

L.et's talk facts... Here is a tire that has extra bar height, extra bar length, and a curved bar design that outcleans, outpulls and outlasts any other tire. NO OTHER TIRE has all these advantages.

The massive bars of the Firestone Champion take a bigger bite and a better hold — and THAT'S NOT ALL. Because they're curved for self-cleaning, these bars keep right on pulling long after ordinary tires clog and spin in their own tracks.

And here's another point — Every inch of tread-bar length does its share of the pulling because the low-pressure design of this tire puts ALL of the tread in FULL ground contact for a FULL TRACTION BITE. Because it's patented, the Firestone Champion gives you advantages which no other tire has. So... when it's time for a new tractor or for new tires, remember to use Firestone!

Listen to the Voice of Firestone every Monday evening over NBC and Americans over NBC Network Television Stations

Copyright, 1949, The Firestone Tire & Rubber Co.
A Boy and His Dog

By H. H. BUSHNELL

IT’S going to be tough on Skip when Jack goes away to school this fall. Skip has been his master’s friend and playmate all summer; he has done whatever Jack wanted him to do, and all he asked in return was a kind word and a pat on the head.

For Skip, a dog’s life was a happy one, but how about it now?

The boy becomes a youth; the youth becomes a man, with new interests and a different life. He changes. The dog changes, too. He becomes more sober as the wild rapture of his first love fades away. After a while he will be an old dog.

No matter how much time passes, whenever he catches the familiar scent of his master, joyful memories will come back to him and he will try to frisk a little.

Perhaps Milton J. Lewis, Jr., sensed the close bond that exists between a boy and his dog when he snapped this picture of Jack Knowlton, Spreckels, Calif., and Skip.

There isn’t too much ahead of Skip and other dogs, but there is a great deal ahead of the youth of today. Never before has so much careful attention been spent on agricultural education as there is now. It is beginning to pay larger and larger dividends. The dignity of working with the soil, with its products and with the animals which feed upon it is recognized, not by a few farseeing scientists, but by the youth of our nation.

Our agricultural colleges are crowded, and many of them have been unable to make room for all the young men and women who seek to learn more of production of the fruits of the earth. They have long waiting lists, and many a youngster has been forced to seek admittance in half a dozen colleges before succeeding.

And these institutions have advanced, too, in their various courses, tailored to meet the needs of students. The lectures have been broadened and laboratory and field work make the actual instruction far more valuable.

As a feeder for the agricultural colleges, the high schools increasingly develop Future Farmer classes, where boys from farm and city study under practical instructors. Almost before they graduate they are working farmers, with a knowledge of how to work and how to profit by it. Steadily they are developing into better farmers than their fathers.

The growth of 4-H clubs has been startling. Boys and girls learn in their grade schools the lessons of agriculture. The wise provision that gives them projects is building a sturdy, independent class of youngsters able to make their own way. They will be out in full force at the fall fairs and stock shows, learning by doing, profiting by experience.

Our entire agricultural system has with foresight emphasized the vital importance of livestock in our country. Practically every project is tied to livestock in some form, for without beef cattle, hogs, sheep, dairy cattle and poultry, the fertility of our soils and the independence of our people will decline.
Five Steps to Better Pasture

By ANTHONY R. BELMONTE

Progressive stockmen are turning more and more to irrigated pasture because it offers the best means of relieving pressure on deteriorating range land. Although there is much information available from numerous sources on pasture planting, seed mixtures and management, the number of really good productive pastures remains limited.

In analyzing why there are so few good pastures it has been found that the most common causes include lack of proper attention to one or more of the following basic principles: seed bed preparation, seeding, seed mixture, irrigation and management.

These problems can be largely overcome if the following precautions are taken.

Seedbed Preparation. First, a field should be correctly leveled for the method of irrigation to be used. Borders or furrow irrigation requires much better leveling than if sprinklers or contour borders are used.

After the field has been prepared for irrigation, tillage operations should begin several months before actual seeding time. An initial deep plowing or subsoiling is usually advisable followed by discing, harrowing and cultipacking at about two-week intervals to destroy as many weeds as possible.

The soil should be "worked down" until a very firm seed bed is established. This can be tested by walking across the field. An ordinary heel mark should not be over one-half inch deep.

Seeding. Seeding may be done in the spring or in the fall. Spring seeding should be delayed until all danger of frost is past. Late spring seeding is better than too early seeding. When

Please Turn to Page 55
It portrays a vital picture of the American scene — tells the farmer's story

By WALTER A. HOLT
General Manager, Pacific International Livestock Exposition

For almost four decades the Pacific International Livestock Exposition has fulfilled the task of telling the story of the West's great business — food. It will do it for the 39th year this Oct. 7-15. More than ever food is an important phase of the show because there never has been enough of it to feed all the world. And the situation is growing no better when the world's population is increasing 22,000,000 each year.

At first glance it might seem that the connection between a great stock show and human sustenance is indirect. But it isn't. The answer is the competition that the Pacific International provides. The leaders of livestock and crop production are spurred on by competition. They learn what others are doing and how they have progressed.

Hundreds of these primary producers attend the show each year. Their wares are displayed to the consumers. One of our greatest attractions is our Land Products display. And its greatest audience is the city people.

Farmer's Role. Every fair, every livestock show has the mission of telling the part farm people and their products play in the nation's economy. We've been doing it for 39 years, but there still is much more to be done to put the story across with the consuming millions.

From advance indications I believe that this year's Pacific International will be the greatest in the history of the show. We expect more entries in every department than ever before. Colleges of the Northwest will have their greatest presentation of better livestock and farming production methods.

The list of judges has been completed with the assistance of various national breed associations and prominent exhibitors. We feel that the high caliber of these judges will influence exhibitors to attend the show because of the prestige that will go with awards by these men.

Advantages. The Pacific International has the advantage, in these days of parking difficulties, of having space for more than 5,000 cars, and it's for free. More than 160,000 persons are expected to be attracted by the low price of 60 cents that will prevail throughout the nine days of the show. This includes admission to all 15 attractions except the horse show and rodeo.

The latter will feature two spectacular posses — King County (Seattle) and Clackamas, Ore. The King County organization is the only all-Palomino, silver saddle flag drill posse in the United States. King County will appear for three days and will be followed by Clackamas County for six days. The latter features the daring threading of the needle and double threading of the needle, which are both spectacular and highly dangerous. This is the hardest riding, most daring outfit in all the West.

This year the Pacific International is offering the highest premiums and other valuable awards in its history. They will be paid out in the following shows that make the PI the most diversified stock show in the West:

- Beef cattle, dairy cattle, swine, sheep and Angora goats, dairy goats, land products, poultry and rabbits, wool, dairy products, rodeo, horse show, 4-H Club exhibits, FFA exhibits and dog show.

Youth Participates. Nowhere is there a greater show to encourage youth than the 4-H and FFA presentations at the PI. Drawing from all over the West, they are admittedly without peer. This year the 4-H will exhibit from Friday, Oct. 7, to Wednesday noon, Oct. 12, when FFA exhibits will begin arriving for their part in the show. Last year nearly 1,200 boys and girls participated in the two shows, making it one of the most largely supported junior shows held in connection with adult exhibits.

A new manager takes over the horse show this year — Harrison Cutler of Napa, Calif. He plans to add Western horses to this typical Western show. They will be Palominos, Arabians and Quarter Horses. He will make room for them on the program by increasing the tempo of the show.
How NOT to Lose $25 Million

Preventable Waste—Dead, Crippled or Bruised

Stock—May Start at the Farm and Continue to Market Unless the Producer Takes Precautions

In 1947 there were enough animals dead on arrival at markets in this country to fill a train nine miles long. Add to this the losses on crippled animals and from bruises, and the producer finds himself bearing the major share of an indirect total loss of $25,000,000 in a single year!

This huge annual loss has been termed "preventable waste" by such industry leaders as H. R. Smith, general manager of the National Live Stock Loss Prevention Board since its formation in 1934. Smith, who has devoted more than three decades to the elimination of waste in the marketing of livestock, points out that the producer is the heaviest loser when he gambles with improper handling, loading or shipping methods.

Daily at all markets large numbers of dead animals are dumped on the unloading docks, victims of improper care and lack of foresight. Scores of cripples are loaded on carts and hauled away for salvage. Such crippled and dead animals accounted for a national loss of $6,000,000 in 1947.

Loss to Producers. The closer an animal gets to processing the greater is the cost of any loss or wastage. The producer stands to lose his time and feed, transportation and hauling costs. Such losses were trebled in a three-year period prior to this year. A survey of 25 markets in 1947 revealed a total waste of 3,694,200 lb. of both dead and crippled animals arriving by rail and 6,343,200 lb. loss on "crips and deads" arriving by truck at 20 markets.

Preparations for safe marketing begin on the farm or in the feedlot. Mineral deficiencies, particularly calcium, not only retard gains but also cause weakness of bone structure; such animals are more likely to be crippled in transit. Hogs fattened exclusively on corn, which has a low mineral content, frequently break down. Tankage or milk in swine rations supplies calcium. The same is true of legume hays or alfalfa, but if neither is available, animals should have free access to a mixture consisting of equal parts of powdered limestone, steamed bonemeal and salt.

Check Feeding. Feeding prior to shipment should be carefully checked. Cattle and sheep fed liberal quantities of alfalfa before loading will have scours and excessive urination in transit. The heart and lungs of fat hogs are so crowded that extra gorging before traintime (within 12 hours of loading) may cause suffocation. Horned cattle in a truck or car cause unnecessary and serious bruising. Cattle should be dehorned in feedlots; or, horns can be easily removed with clippers when calves become of age. Use of caustic on horn buttons will prevent their growth.

Overcrowding in railroad cars or trucks causes more losses perhaps than any other single factor. Most railroads have tables showing the number of animals at a certain weight which can be loaded safely in cars.

Truckers sometimes overcrowd in order to get a better paying load. Too many animals in either railroad car or truck will result in many dead, crippled and bruised livestock arriving at market. Partitions are most important, particularly when mixed loads are shipped. Railroads have tariff regulations requiring them, but truckers, unfortunately, do not. Mixed loads of cattle, hogs and sheep, even horses, in trucks without partitions are not uncommon. A recent survey of 100 trucks arriving

PREVENT COSTLY WASTE, TAKE THESE PRECAUTIONS*

1. Dehorn cattle, preferably when young.
2. Remove projecting nails, splinters and broken boards in feed racks and fences.
3. Keep out of feed lots old machinery, trash, and any obstacles that may bruise.
4. Do not feed grain heavily just prior to loading.
5. Use good loading chutes, not too steep. (Blueprints free on request).
7. Cover sand with straw in cold weather, but no straw for hogs in hot weather.
8. Wet sand bedding in summer before loading hogs, and while enroute. Drench when necessary.
9. Partition packing sows from light weight butchers.
10. Provide covers for trucks to protect from sun in summer and cold in winter.
11. Always partition mixed loads to separate classes, and calves from cattle.
12. Have upper deck of truck high enough to prevent back bruises on calves below.
13. Remove protruding nails, bolts or any sharp objects in truck or car.
14. Load slowly to prevent crowding against sharp corners, and to avoid excitement. Do not overload.
15. Use canvas slappers instead of clubs or canes.
16. Tie all bulls in truck or car, and partition boars, stags, and cripples.
17. Bull board should be in position and secured before car door is closed on cattle loaded.
18. Drive carefully. Slow down on sharp turns and avoid sudden stops.
19. Inspect load enroute to prevent trampling of downer cattle.
20. Back truck slowly and squarely against unloading dock.
21. Unload slowly. Don't drop animals from upper to lower deck; use cleated inlines.
22. Never lift sheep by the wool.

*Suggestions of the National Livestock Loss Prevention Board, Livestock Exchange Building, Chicago, Ill.
Hogs and sheep above were dead upon arrival at unloading docks, victims of improper care and lack of foresight, a loss to producer.

At market with mixed loads revealed that 84% had no partitions.

Shipping Aids. Partitions should be strong—with no splintered boards, protruding nails or poles. Bull boards should not be left in stock cars loaded with sheep or hogs as the dangling bars may cause crippling or bruising. Proper bedding in stock cars or trucks will eliminate many losses. Purdue station has found that a one-inch depth of sand will cut shipping losses 50%. Cinder bedding for hogs is unsatisfactory, because hogs will eat them causing injury to casings and intestines.

Straw bedding generates so much heat in summer that it should be used only in winter, but, even then, it should be put over a layer of sand. In winter, stock cars should be papered with strong “elephant hide” paper or slatted-up high enough to prevent driving winter winds from striking animals. Such precautions must be particularly provided for recently sheared sheep. In hot weather, hogs should be showered and iced, but drenching cattle or lambs

September 15, 1949
TURNING out in full force at the recent North Montana State Fair were Montana and Wyoming cattlemen and their families. Livestock exhibits kept well in stride with the general theme of the Fair—"bigger and better than ever before." Some of the personalities at the event caught by WLJ staffman Sherm Guttridge and his camera are shown on the opposite page.

(1) Left to right are Herb Jillson, Montana Hereford Assn. fieldman; Ross Miller, American Hereford Journal; Archie Pagkas, Vaughn; Art Bayers, Twin Bridges; Smokey Leone from the Bear Claw Ranch at Dayton Wyo.; and Bob Teale, WLJ field representative.

(2) Eaton Becker, left, from Wilsall is shown with Art Boswell of Billings.

(3) Another foursome was composed of, left to right, Art Bayers, Twin Bridges; Mr. and Mrs. Toby Orr of Cameron, and Barney Sparrow, livestock superintendent of the fair.

(4) Caught just before entering the ring were, left to right, Wayne Herrin, Keith Herrin, both of Helena, Allyn O'Hair from Livingston and Wayne Hill, Drummond.

(5) From Willow Creek Ranch at Great Falls came Mr. and Mrs. Harold Hoover.

(6) Canadian cattlemen J. S. Hay, left, and Arthur Crawford, right, got together with Don Smith, owner of OXO Ranch at Stevensville.

(7) Among the prominent women were Helen Rossignol of the LoLo Stock Farms, LoLo, and Ruth Rice, from the Rice Polled Hereford Ranch at Sheridan, Wyo.

(8) Husband-and-wife combinations included Mr. and Mrs. Alan Fordyce (top row) from Sheridan, Wyo., and Mr. and Mrs. Con Warren (bottom row) from Deer Lodge.

(9) All from Highwood were (middle row, second from left) Geo. Sim, Mrs. Sim, Mrs. Bill Schock, Mrs. Bob Ryffels, daughter of the Schocks and, on the bottom row, Bill Schock, holding his granddaughter.

(10) Grooming his entry is Byron Bayers, Twin Bridges.

(11) Ray Sprengle, left, of the American Hereford Assn. chats with Dan Thornton, Gunnison, Colo., who judged the cattle entries at the Fair.

(12) Other cattlemen included Walter Higgins, Ringling, left, and Elmer Johnson, Livingston.

World's largest feed mixing, grinding mill at Phoenix includes cone-shaped hay mixer, storage bins, feed mill. Molasses tank is under conveyor from bin at right.

30 Tons an Hour
—that's the hourly feed handling capacity
of Tovrea's crushing and grinding giant

By RICHARD SCHAUS

TOVREA'S feedlots, at the eastern entrance to Phoenix, have always been of interest to stockmen visitors of Arizona's capital city. The recent addition of what is believed to be the world's largest feed mixing and grinding mill should make these famous old yards of even more interest.

This crushing and grinding giant puts out over 30 tons of feed an hour. Grain barley is drawn up from a big storage cavern, flattened out and propelled by a drag through a 2-foot causeway to the mixer. Baled alfalfa is chopped up and is lifted on an endless drag affair to the top. Cottonseed meal and hulls are blown in from a storage bin, and molasses is sucked in from a tank. The proportions of these ingredients can be varied to whatever the cattle owner designates. An immense switchboard, with one man in control, takes care of the whole output. The mixed feed goes up a chute to a bin, under which a truck is waiting to be loaded.

The trucks hauling the feed are one man operated, too. A power take-off from the crankshaft transmission drives a big screw in the bottom of the high sided truck body. This screw expels the feed through a chute into the pen troughs. The truck body has two parts, each of which has its own screw and chute, thus eliminating lots of turning around in the narrow alleys.

New Feed Troughs. Another feature in the streamline operations at Tovrea is the new style feed troughs that are gradually being installed to replace the rectangular wooden boxes of old. These new troughs are round-bottomed and made of cast concrete. The ends of each 12-foot section are interlocking, thus eliminating a mortared joint. The curved surfaces make it easy for the cattle themselves to clean out the troughs. There is no accumulation of old, sour feed in the corners.

Tovrea's feedlots handle more than 100,000 head of cattle annually. To
Statistics Pave the Way for
QUALITY BREEDING

By GENE F. EMPEY

Western cattlemen long ago realized that the results of their labor were directly dependent upon the ‘quality’ of their breeding herds. While top quality beef has come consistently from herds developed through improved breeding, few records are available to substantiate the results.

USDA, under the Research and Marketing Act of 1946, was authorized to develop a nationwide program to ferret out data on how ‘quality’ cattle are produced. In cooperation with agricultural experiment stations, state colleges and research organizations, four regional zones were set up to improve beef cattle.

The Western region, with Dr. R. T. Clark, Bozeman, Mont., representing USDA as coordinator, has assigned technical committee men in each of the 11 Western states. This section of the federal project is particularly interested in obtaining results through effects of environment on beef cattle. Oregon, for example, under Dr. Ralph Bogart, geneticist at Oregon State College, is divided into four sectional areas with an experiment station located in each.

Functions of Stations. The central station at Corvallis, serving as an informational clearing house, provides technical advice for the other agencies. The Squaw Butte-Harney Cooperative Experiment Station under the direction of W. A. Sawyer offers excellent environmental conditions for gathering data on desert and semi-arid regions. This station is jointly operated by Oregon State College and the Bureau of Land Management, USDI. Intermountain conditions exist in the Eastern Oregon Branch Station at Union, which has H. G. Avery as superintendent. In Western Oregon the John Jacob Astor Branch Station and the Northrup Creek Experimental Area, both under the direction of H. B. Howell, have coastal conditions peculiar to the Northwest.

The specific problems facing the Oregon experimenters are threefold. (1) Must cattle be specifically adapted to certain climate and feed conditions, or are good cattle good regardless of environment, rate and economy of gain are big items in the controlled breeding program at Oregon Experimental Station.

Please Turn to Page 78
ONE of the largest industries in San Diego County, Calif., is the beef cattle business and one reason that San Diego County is a BIG cattle country is George Sawday. It is reputed that more than 20,000 cattle carry the historic Anchor brand which identifies the Sawday cattle on ranches at Witch Creek, Santa Ysabel, Warner Springs, Campo and over in Ross Canyon right at the gates of San Diego. Several thousand more Anchor brand cattle fatten each winter in California's famous Imperial Valley.

George Sawday was born near the mountain town of Julian, in San Diego County, back in 1876. It wasn't long after that date that George Sawday started handling cattle; and for fully half a century, he has been by far the largest and most influential cattleman in the county. The Sawday brand is one of the oldest in the state under one continuous ownership.

But with all of the old, picturesque corrals and historic features on the Sawday ranches, San Diego County's No. 1 cattleman has kept up with and sometimes has been ahead of the times in modern management practices. He was one of the first in the state to modernize his branding and handling methods. It has been a good many years since the cowboys have roped calves at branding time. At the various roundups, cattle go through sturdy chutes and the branding and castrating is done in the squeeze gates. Some of Sawday's old friends in the cow business snorted when calf roping was discontinued; it spoiled a lot of the fun and good fellowship, maybe took away some of the glamour—but these modern methods save a lot of time and money.

George Sawday is a business man. His cattle business is big business and every department of the ranch operations is operated in businesslike fashion.

George Sawday is a business man. His cattle business is big business and every department of the ranch operations is operated in businesslike fashion.

Sawday believes in cooperation. He was one of the organizers of the California Cattlemen's Assn. and has served many terms as a director. He has been and is active in civic and business affairs in San Diego County. He serves as a director of one of San Diego's biggest institutions—the Union Title Insurance and Trust Co. He is financially interested in other business enterprises. He heads the Qualitee Dairy group at Santa Ysabel where he has a modern Grade A dairy where 250 cows are milked.

George Sawday is a big and powerfully built man. Well past 70, he has the carriage of a much younger man and he isn't beyond swinging into his saddle for a better inspection of his cattle when conditions require it.

He doesn't go it alone, however. He has two daughters, Lucy and Mary. Both of the girls have worked cattle and they know the business. Both of them married good cowmen. Lucy is Mrs. Orville Cummings; Mary is Mrs. Hans Starr. Both families have homes near the Sawday residence at Witch Creek. Their neighbors say there just aren't any better cowmen than Orville Cummings and Hans Starr. One thing sure: they have had their training under a Master Cowman.
Teamed with SCIENCE...

Systematic Breeding, Grading, Culling Prove Merit of the Scientific Approach Used by Hard-Working California Cowman

By REUBEN ALBAUGH

WHEN Walter Markham left the Flint hills and the Osage Country of Oklahoma about a quarter of a century ago he had a longing and a determinated urge deep down inside to own a cattle ranch in the Golden State. Even when he was a schoolboy playing end on his alma mater's football team the livestock, range and grass country had a powerful appeal.

It was in the rich Salinas Valley of Monterey County, Calif., that this energetic, hard-working vegetable broker and cattleman struck paydirt, and his boyhood dream began to be a reality. This was back in 1936. He immediately purchased the beautiful El Toro ranch of 960 acres. This picturesque piece of dirt lies about 10 miles southwest of Salinas in the famed Corral de Tierra section. His great desire then was to breed good practical Hereford cattle and a few Thoroughbred running horses.

During the past decade this real Westerner has had the pleasure of breeding some white-faced cattle that have walked off with the purple ribbon at many of the local and district fairs. He also has had that thrilling experience of having a $100 bill on the nose of one of his strong stout-hearted Freckle-faced Royal Triumph 27th has improved the Markham purebred herd.

Science Helps Out. When Walter Markham launched out on his cattle breeding program the first thing he did was to team up with the University of California Division of Animal Husbandry and the Agricultural Extension Service. He wanted help—unbiased aid—the scientific truth about breeding and feeding cattle. It was his opinion that science plays a great role when it comes to breeding real performing purebred beef cattle. The program outlined called for selective grading and culling, keeping only the best breeding cows that were good milkers with desirable type, conformation quality and character and mating them to bulls whose bloodlines and performance indicated that they could sire the right kind of calves. The grading guide that was used in this program and which accompanies this article was developed by Prof. H. R. Guilbert of the University of California at Davis.

Please Turn to Page 85

WESTERN LIVESTOCK JOURNAL
A Realistic Program
For Livestock Producers

BY CHARLES F. BRANNAN
Secretary of Agriculture

I HAVE never been able to understand why livestock has not been considered “basic” for the purposes of national farm legislation.

Livestock is of prime importance to national farm income, to soil conservation, and to consumer diets. It was therefore natural that when I answered the request of Congress to recommend a price support program, livestock found a very prominent place in it.

The goals of farm price policy should be, in my opinion, abundant production and consumption and a reasonably stable farm income at a fair level. The farmer would continue to produce abundantly, and he should not be expected to suffer low income because of that abundance. Nor should he be prey to the hazards of economic depression, over which he has no control.

Moreover, a fair and reasonably stable income for farmers is very much in the interest of the nation at large. The farm population is such a big consumer of industrial products and services that a drop in farm incomes soon pervades the entire economy.

Income Goal. In nearly all agricultural legislation of the last 16 years there has been some reference to the need for a farm income goal. But the controlling portions of these laws bypassed this income goal and acted on price relationships alone. I feel that it is time that we stopped using a price relationship alone.

I would like to see recent farm income used as the yardstick for support. There is undoubtedly more than one good way of arriving at an income support standard. However, the way that appeals most to me is as follows:

The income support standard for any year would be the amount of money farmers would need to have the same purchasing power they have had on the average during a recent 10-year period. To figure this, we would average the cash receipts from farm marketing during the 10-year period and adjust the dollar figure for any changes in the average prices farmers pay for the things they buy. I would use the 10 years beginning 12 years earlier. The two-year lag is intended to allow for delays in collecting statistics, and to make it possible to develop programs a year ahead of time.

Thus, for 1950 the income support standard would be calculated from 1939-48. Cash receipts adjusted to average prices paid during those years averaged 18,218 million dollars. Prices have since risen. On July 15, 1949, farmers paid 43% more for the goods, services, and interest and tax rates than they did in 1939-48. Hence, the income support objective for 1950 would be 143% of the 1939-48 income, or 26,056 million dollars.

Price Calculation. It is from this income standard that commodity prices would be calculated. Support prices for the various commodities would change just about in line with the income support objective, even while shifting slightly among themselves from year to year as the base was moved up.

I believe that the full price support standard should be maintained for at least 10 commodities: corn, wheat, cotton, tobacco, whole milk, eggs, farm chickens, hogs, beef cattle, and lambs. I would recommend, however, that a certain latitude—not more than 15%—for adjustment be allowed, in order to maintain desirable relationships between feed and livestock prices.

All of the original “basic” commodities were field crops. During the war, a number of additional commodities were given price support because of the importance of their production in the war effort, and essentially that program has continued through this year. However, Title II of the Agricultural Act of 1948 drops all but six commodities named as basic, and wool and potatoes from the mandatory list for the programs scheduled to begin in 1950.

If a fair income is the objective in farm policy, it is hard to see why producers of certain important commodities should be denied price support, while producers of other commodities of no greater importance are assured of support. In some instances this must mean a hardship for some farmers. An example is the producer of livestock who pays support prices for grains but must sell his own product without any protection against low prices.

Basic Commodities. The commodities which I have recommended by definite price assurance were chosen because of their contributions to incomes of farmers and importance in the national diet. Only lambs, among the 10, are a minor source of returns, but it seems undesirable for many reasons to leave out this one type of meat.
The TOP "FIVE" in the Summer Yearling Bull Class at Denver, 1949

Said to be the strongest class of the 1949 Denver Show. The winner on the left was Milky Way's many times Champion Bull, MW Prince Larry 15th. Second was Milky Way's MW Larry Domino 133rd, purchased at $25,000 by Circle A Farms of Morris, Illinois. This bull was the Illinois State Fair Champion as a two-year-old last month for his new owners. Third was DeBerard Cattle Co. of Kremmling, Colorado on Advance AB Domino 20th with Fred C. DeBerard at the halter. Fourth was Thorp Hereford Farms of Britton, South Dakota on TH Royal Domino 37th. This bull was Grand Champion the following week at the big Ft. Worth Show where these other bulls were not exhibited. Fifth was Francis Miller of Hayden, Colorado on Dandy Domino 21st, a frequent blue ribbon winner for the past two years and now one of Milky Way's Junior herd sires.

THIS KIND OF BLOOD WILL HELP YOUR HERD

PHOENIX
1st in '50
PHOENIX STOCK SHOW
JANUARY 4-7

"Championship Breeding at a Price You Can Afford to Pay"

MILKY WAY HEREFORDS
PHOENIX, ARIZONA
It's fairly simple, however, not as simple as it may seem. In the first place, most packers are on a budget as to just how much they can spend. With this in mind, they try to buy at the low ebb of the fat cattle market. Then of course there are fixed costs which are charged to the dressing and packing of the finished product. Still farther are the transportation and profit motives to take into account.

"It is my opinion that the first reason, the buying of the fat cattle at a low in the market on a rather consistent basis will cause the buyer to try and limit his buying on a more stable basis and constant scale. Thereby trying to iron out the cyclical fluctuations.

"Surely if a cattle man was fairly certain that feed was going to fluctuate in price and quality, it would only be the prudent thing to do to wait for the low in the fluctuating scale. So is the same in the cattle buyers' case.

"Today in these times of postwar readjustments it is not uncommon to hear the retail buyer grouse about the price. I am sure that they do not take into account the various contingencies which enter into the putting before them of a piece of meat. I am of the opinion that a program of education as to the various pro-rated costs would help a lot."

H. M. CONWAY, National Live Stock Producers Assn., Chicago, Ill.: "While the basic value of meat animals is determined by the general level of commodity prices or, in other words, the value of the dollar and by the resulting price obtained in balancing the per capita supply of meat with consumer demand over the retail counter, there are many temporary maladjustments in prices at the various stages of distribution between the live stock producer and the meat consumer. Also there are many costs and margins involved in processing and distribution. Consequently there may be considerable variation at times in the absolute and particularly in the relative relationship between retail meat prices and the fat stock market.

"Trade policies and the costs involved in processing and distribution have considerable bearing on the price spread between the producer and the consumer. During periods of advancing prices, inventory appreciation may offset some of the regular costs. This may reduce the wholesale and retail percentage markup. Also during such a period, overhead costs do not increase as rapidly.

"Usually when prices are advancing the demand for meat is such that the consumer becomes more tolerant with regard to the product being purchased. This may permit less service to the consumer and some letdown in the grade. All of this tends to put the live stock market in an advantageous position. The result is a narrow price spread and a relatively high price as compared with what the consumer is paying for meat.

"During a period when prices are declining, these conditions work in reverse. Inventory depreciation has to be offset by wider margins or less profit. Overhead charges for processing and retailing remain relatively high. Also when prices are declining, there is more of an attempt on the part of the retailer to cater to the consumer, much of which is at the expense of the live stock market.

"All of this results in a rather stable price to the consumer and a wide variation in the prices to the livestock producer. In brief, when prices are advancing, the natural tendency is to force live values unduly high, whereas when prices are declining, the drop in the live market is unduly extreme.

"Much of the non-elasticity or stability in retail prices of meat is frequently a reflection of the lack of information. There is naturally considerable hesitancy on the part of retailers to change prices and ordinarily operating margins.

The October Question

"Do you find that government meat grading is an asset to the Western livestock business? Do you have any suggestions concerning it?"

Send your answer along with a photograph of yourself to "Question of the Month." Please limit answers to not more than 300 words.
Finer, more vigorous herds that top the market are being bred up through the accumulated knowledge and experience of the cattle business.

From long association with cattlemen, big and little, your Bank of America banker shares in that knowledge and experience.

Make it a rule to use his facilities—and drop in often—even if it’s just to talk about critters.

"Let’s Get Better Acquainted"

Bank of America
NATIONAL ASSOCIATION
MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION
MEMBER FEDERAL RESERVE SYSTEM

PIECE VALVES • FITTINGS
New & Reconditioned

Pacific guaranteed, reconditioned pipe is clean, straight, rethreaded, pressure tested to 350 lbs., asphaltum dipped. Economy priced . . . Long lasting.

Write for details and prices

Reppert School of Auctioneering

Send for free catalogue and full information on how you can become an auctioneer and establish a pleasant, profitable business of your own; also how to receive our Home Study Course.

ADDRESS
REPPERT SCHOOL OF AUCTIONEERING
DECATUR, INDIANA, BOX W

"Livestockmen prefer Peet Minerals, because it takes less to produce the same results."

SEND FOR FREE BOOKLET
"Profitable Livestock Raising"

For Greater Profit Use:
Peet Perfection Dip
Peet Perfection Minerals

E. M. PEET MFG. CO.
Council Bluffs P. O. Box 790 Indianapolis
Iowa Roseville, Calif. Indiana

SUNNYBROOK FARMS
REGISTERED HEREFORDS
LOUIS FRANCESCHI
LINCOLN, CALIFORNIA

depend on the law of averages. In other words, a decline in the live stock market may be considered only temporary on the part of the retailer and he may consider it an opportunity to offset previous losses or as a ‘hedge’ to protect the future.

“This may make for a relatively high retail price as compared with the quantity of meat to be moved into consumption. Consequently the live animal market may be unduly depressed as meat supplies accumulate in wholesale channels. At times there is also a tendency to hold retail prices unduly low, thus maintain low values for the short supply of meat.

“The best example of this was during OPA days when unduly low meat prices, combined with rationing, forced meat distribution on a black market basis. Prices were unduly low as compared with the supply and consumptive demand for meat. If retail prices are held unduly high, demand is retarded and the supply will not move through consumptive channels. This forced live stock prices unduly low until the retail price is eventually forced to a normal equilibrium with supply and demand.”

MRS. R. M. KIEFER, secretary-manager, National Association of Retail Grocers, Chicago, Ill.: “Consumer demand, coupled with the available supply, are the primary pressures on retail price in the food industry as in all industries in a free economy. This has been very clearly demonstrated during the past several years in the meat business.

“When the supply of prime beef became unusually short in the face of a heavy consumer demand (and, of course, consumer ability to pay), the price of that top quality beef rose to record levels. When the pork market was in ample supply and there was only mild consumer demand, the price fell off markedly and the retailer adjusted his prices to keep the fresh meat moving from his cases.

“It has been shown time and time again that when consumers have money in their pockets, as they have had in the past few years, and when they have an appetite for certain foods—as for example, the best cuts of beef—they demand them of their retailer. He, in turn, goes to his supplier with increased orders and is willing to pay up to a certain price for that meat. They, of course, then buy in on the market and by their willingness to get the supplies at high prices force that market up. So, in effect, the fat stock market really follows the retail demand and ability to pay rather than the reverse.

“When consumer demand and ability to pay are high, the prices on the fat stock market are high. When the con-
Now...you can include

registered BULLS or HEIFERS
in your 1950 breeding program

TO will offer for sale a great group of registered bull and heifer calves at the ranch, beginning October 30th. You will find them thick, well boned and loaded with traditional TO quality... the quality that breeds on and on.

We will also sell an outstanding yearling son of Dan Domino 120 at the Great Raton Sale November 8-9... and 4 very uniform daughters of "the 120th". A highly desirable package of TO blood for herd foundation or expansion.

TO RANCH RATON, NEW MEXICO
Fourth Annual

ALDARRA-STALEY-W.S.C. SALE

A SHORTCUT TO PROGRESS!

52 LOTS 52

13 BULLS 13
Selected for their type and breeding

39 FEMALES 39
bred to or sired by bulls of proven performance

WHR REGALITY 1st

The breedy son of WHR Royal Duke 3d proven both at Washington State College and Aldarra Farms. All of the Aldarra females in the sale are bred to him.

WHR HELMSMAN 89th
The highest selling bull in America is the sire of Aldarra Baranof. His dam is WHR Vanity Box 8th, top selling female at 1947 WHR Sale and Champion female at 1947 International Show.

SOLVE YOUR HERD BULL PROBLEM!

BUY FOUNDATION FEMALES!

A GROUP OF BRED HEIFERS—THEY ALL SELL!

Write for catalog to:
Miller & Teale, W. 807 Shoshone Place, Spokane 9, Wash.

Write for reservations to:
L. C. Staley, Pullman, Wash.
OCTOBER 25, 1949
at
Pullman, Washington

SHR DUCHESS DOMINO 1st
Sired by Dandy Domino who is a son of Double Dandy Domino out of one of the best cows in the Miller herd. Her dam is a daughter of WHR Proud Mixer A. She is bred to TT Flashy Royal.

PHR CARLOS LADY 48th
Sired by TT Triumphant 23, the bull most generally considered one of the best sons of WHR Triumph Domino 45. Her dam is a Vagabond Silver cow, a consistently top producer in the Pollock herd. She is bred to Dandy Domino.

AN OPPORTUNITY TO GET THE BEST BREEDING OF THE NORTHWEST!

WHR PROUD MIXER A

SHR PROUD MIXER 40th
A real herd bull prospect, extremely smooth and mellow, like his sire.

SHR PROUD MIXER 41st
Sired by WHR Proud Mixer A, the bull with a show record and, even more important, a production record!

Sale starts promptly at 12:45 P.M. at Livestock Arena Washington State College

Auctioneers:
H. B. Sager
Chas. Adams

ALDARRA FARMS
(W. E. Boeing, Prop.)
Seattle

STALEY HEREFORD RANCH
Guest Consignor
STATE COLLEGE OF WASHINGTON
Pullman
THREE BIG SALES

**TWIN FALLS**
October 21-22

**POCATELLO**
November 5

**WEISER**
December 3

*Selling Hereford, Angus and Shorthorns at Twin Falls. ANGUS SHOW AND SALE OCTOBER 21 HEREFORD AND SHORTHORN SHOW OCT. 21—SALE OCT. 22*

All Herefords will be graded into A B C classifications, and must be over 14 months of age. Hereford Futurity show October 21.

Only Herefords Selling at Pocatello and Weiser

_Auctioneer_ EARL O. WALTER
_Filer, Idaho_

_Manager_ WALTER SCHOODE
_Burley, Idaho_

**TENTH ANNUAL SALES**

*For further information write*

_IDAHO CATTLEMEN’S ASSOCIATION*
_Leon Weeks, Secretary, 211 Continental Bank Bldg., Boise, Idaho_

---

**WE ARE BUILDING WITH THE BLOODLINES OF DONALD DOMINO 26th**

We recently purchased Dandy Domino B. 3rd from Bolton & Davis. We consider him to be one of the best sons of "Pug." This 1948 yearling will head our herd of 40 selected cows, 25 of which are strong in the bloodlines of Donald Domino 26th, Super Domino, and Battle Mischief 7th. Also the champion pen of five heifers shown at Ogden by Robert Lucas in 1946, and Dickey bred females. These females are bred to NHR Dandy Domino 9th by NHR Nevada Donald 6th ("Pug"), leased from Bolton & Davis for eight weeks this spring.

 đình ding with the bloodlines of Donald Domino 26th

_Donald Domino 26_
_2363741_

_Pansy Domino 10_
_2124412_

_Pueblos D. 75_
_2255702_

_WR Miss Dare 2564256_

_Aster Domino 35_
_2213440_

_Mabel Anxiety 1914476_

_Blayton D. 47_
_2534999_

_M. Baldwin 68 2460316_

**IDAHO HEADQUARTERS**
_for DONALD DOMINO 26th BREEDING_

GARRETT & HENDRICKS
_Pocatello, Idaho_

Clarence A. Garrett
Jerry Hendricks
Ever notice those 4 X's on the famous Pillsbury's Best trade-mark? Here's our means of bringing them to life. This emblem stands for 80 years' experience in making quality products for American homes and farms—the Pillsbury pledge of supreme quality in feeds, as it is of all other Pillsbury products. This sign is going the rounds these days—so don't be surprised if our salesman tries it on you the next time he calls.

Harry Mullen
General Manager, Feed Division
Pillsbury Mills, Inc., Los Angeles

80 YEARS OF PIONEERING IN FEEDS
sumer demand and ability to pay are low, prices on the fat stock market fall. So, actually, the fat stock market reflects rather than sets the retail price of meat.

"Now, there are some other reasons why retail prices of meat do not follow the fat stock market. Outstanding is the fact that the retail food merchant’s meat cost is only one of many costs that go to make up his overhead. All of his overhead must be met by the markup on the many items in his store. The overhead, unfortunately, does not vary with any market.

"His rent not only remains the same but latterly has been going up. His wages have certainly gone up. His light, power, equipment, wrapping paper, string, supplies, insurance, water, heat are constant expenses—and not one of them has been reduced in the past few years. They all must be paid from the small margin which he adds to the cost of his meat, just as he adds it on to every can of beans, jar of jelly, and head of lettuce in his store.

"So the percentage of variation in meat prices at retail is governed by what the retailer must pay for his meat in order to obtain it for his customers, plus overhead expenses, rather than by any factors within his personal control.

"We are very appreciative of an opportunity to answer this question on behalf of the nation’s nearly half a million independent retail food merchants—all of whom have probably had the same question asked them dozens of times in the past several years."

H. GERRARD, Alpha Beta Packing Co., Los Angeles: "Let’s look at the market. On a Monday, a very short supply and heavy demand may develop in the stock yards, shooting the price to an all time high. The ranchers see these high prices and rush their livestock to market hoping to get in on the lush profits. By Wednesday or Thursday the stock yards are filled to overflowing. There are more sellers than buyers and the market follows its natural course of supply and demand, dropping the price to three or four cents below Monday’s high. Such rapid price drops, although they are only fluctuations, create the impression in the retail customers mind that prices are on the down-grade. If retail markets, especially chains, attempted to keep up with these minor fluctuations, the price changing and coordination of prices between markets would be prohibitive.

"However, in major price trends, we do not “follow” the live market down, but anticipate the dropping market and pass the lower prices on to our customers in advance of the actual live price drop. For example, last February, we saw a weak spot developing in the live market. Instead of waiting, we dropped our prices two weeks in advance of the actual lowering of the livestock market. "Our policy is to pass on any possible saving to our customers. That is why we operate as we do. For the most part, we are in the meat business from the yearling on the Texas range to the T-Bone in the customer’s hands. There is no middleman. Our very capable buyer, George Martin, picks the cream of the yearling feeders every Fall. We put these on pasture on our 10,000 acre Santa Ana Canyon ranch. Sixty days before slaughter, they are transferred to our scientifically operated fattening pens at Wintersburg. We operate our own modern packing plant which is handled as a nonprofit servicing unit solely for the purpose of furnishing our stores with highest quality meats at the lowest possible prices.

"In view of these long range plans, we are not affected by small price fluctuations, as our prices are usually well below the current market."

Bathroom Baritone
By S. OMAR BARKER
Men find most overpowering
The urge to sing while showering.
If this were true of the opposite sex,
Husbands might wring some pretty necks!
planting in the fall at least six weeks of frost free growing weather is necessary after the planting date. There are several methods of seeding, any one of which will give good results if properly done. Broadcasting is probably the most widely used and most risky. The important thing is to assure even distribution of the seed, uniform depth of coverage and compaction of the soil around the seed. The seed should be planted not over one inch deep. For the most uniform distribution in broadcast seeding, one-half of the seed can be planted in one direction across the field and the remainder planted in the opposite direction. By cultipacking prior to seeding the seed will lodge in the small furrows and will be covered uniformly by a second cultipacking after seeding.

If a grain drill with a grass seed attachment is used, depth regulation bands should be bolted or welded on the sides of the discs to prevent seeding too deeply. The depth bands consist of an iron hoop about one and one-half inches wide and fastened about one inch from the outer edge of the disc. Cultipacking or rolling following the drill is advisable except on soils that crust easily.

Seeding Developments. A few farmers are using cultipackers with special seed box attachments that do a good job of seeding. The seed drops between the first and rear set of packers which results in covering the seed. Rice hulls mixed with grass-legume seed mixture will permit using the grain box portion of the drill and seeding small amounts of seed very uniformly. The hollow cups in the rice hulls prevent the seed from separating. Ordinarily two bushels of rice hulls per acre gives the proper distribution with the grain drill set at 160 lb. of barley per acre. This method was recently developed by the Soil Conservation Service. It provides a very effective method of even distribution without danger of the spouts becoming clogged or the seed bridging in the seed box.

All legume seed should be inoculated before planting.

Seed Mixtures. More information has been put out about seed mixtures than probably any other phase of pasture establishment. In the jargon of plant men, all sorts of "shot gun" mixtures have been advocated and tried. There is a mistaken idea that if a lot of seed of many species is used a good pasture will result. Careful observation will prove that this is not true. Examine any good high producing pasture and you will find that there are two or possibly three dominant species present; there may be other species in negligible amounts.

Another misconception is the amount of seed required per acre. There are approximately 50 seeds per square foot in the average seed mixture, the amount of seed required depending upon the percentage of germination and survival. Ordinarily too much seed is used. A total of 8 to 16 lb. per acre, depending on the species, is ample in most cases if good seedbeds are prepared. The trend is toward fewer species and less seed. This reduces the cost of seeding and gives just as good, and usually a better, stand of pasture.

Different climatic areas require different seed combinations.

Selecting Species. In determining the species to be used all grasses and legumes should be considered on the basis of use groups. There is no advantage in seeding several grasses having almost identical adaptations and growth habits in the same mixture. This only results in competition among plants in the same group. One or the other will die out or both be weakened and total production reduced. Moisture and climatic adaptations determine groups. A combination of plants with a great variation in water requirements should

---

"Sure, I'd like to come to your sale," says one breeder, representative of many.
"I think a WHR bull or a set of those WHR heifers would put my herd on top. But I just can't pay those prices you are getting."

Don't you believe it! LAST YEAR 15 WHR BULLS SOLD IN OUR ANNUAL AUCTION AT $2,000 OR UNDER; 17 FEMALES AT $1,500 OR UNDER. It's pretty well proved that where there are a lot of good cattle, you can buy cheaper, quality considered.

Now look at the heifers pictured opposite. Like "peas in a pod." Just what you want! Some are almost certain to sell in your price range. And the least of these might be the top in some sale offerings.

So don't let the bugaboo of WHR prices keep you away from Cheyenne, Oct. 7.

THREE SALES ON ONE TRIP:
OCT. 6—Kohlmann at North Platte
OCT. 7—WHR
OCT. 8—Suncrest at Denver
not be planted together. The old theory of planting early and late grasses together to have a longer grazing season does not work effectively.

It is better to divide the pasture and plant a portion to hot weather species and a portion to cool weather species. Let us first consider a legume to use in pasture mixtures for various climatic areas.

**Legume Planting.** Alfalfa is very good where the soil and drainage are favorable. Under the right conditions alfalfa will out-produce and out-live any other legume. It, however, requires longer rest periods than clover. Three lb. of seed per acre is generally sufficient in a pasture mixture. Graziers that know how to graze alfalfa may want to plant as much as four or five lb. per acre, but the danger of bloat increases as the proportion of legume to grass increases.

If the soils are shallow and free from alkali, ladino clover may be substituted at a somewhat lighter rate of seeding (two to three lb. per acre). Where there is some alkali, strawberry clover and birdsfoot trefoil may be used along with suitable salt tolerant grasses. Where the soils are slightly acid and poorly drained, red clover or alsike clover is adapted in the cooler areas.

**Low Germination.** Dallis grass should be planted on deep well drained soils, usually with alfalfa. The germination is low and it should not be seeded except in the late spring at the rate of 10 to 12 lb. per acre with three lb. of alfalfa on deep soils or two lb. ladino clover on shallow soils.

Where the soils are slightly alkaline, poorly drained or steep, rhodes grass should be substituted for the dallis (especially where Bermuda grass is a problem). Both of these grasses and alfalfa are hot weather growers. Birdsfoot trefoil makes a very good legume for seeding mixtures on this kind of site.

If a cool weather pasture is desired, alta fescue six lb. per acre, or orchard grass four lb. per acre, and harding grass three lb. per acre makes an excellent combination.

**Intermountain Mixtures.** In the Intermountain area a combination of alta fescue six lb., orchard grass four lb. and alfalfa three lb. is a good mixture for summer feed. Ladino clover can be substituted for the shallow soils. On good fertile soils, smooth brome should be used instead of alta fescue.

In order to obtain greater production for the first year or two while the slow developing perennials are getting started a short lived biannual or peren-

---

**Three ways to get MAXIMUM FEEDER PROFITS**

1. **You profit from our facilities**—automatic feeders, cement corrals and modern mixing plant—a combination cattle feed operation which assures you the maximum in gain and yield.

2. **You profit from our convenient location.** Keep the "finish" on your cattle. Feed yards are less than a mile from the stockyards and packing-house row.

3. **You profit from the controlled feeding methods of Larry Richins** ... one of the best feeders in the business today.

Call, write or wire for space reservations

**FEED YARDS . . . 3610 E. Washington Blvd., L. A. 23, Phone AN. 0189**
Three Outstanding Sires

Are Represented in the

Hereford Reduction

SOS SALE

Oct. 15

King City, Calif.

1:00 P.M.

SALINAS VALLEY FAIR GROUNDS

M W LARRY DOMINO 106
By Larry Domino 50th. Many of the cows and young heifers are bred to him and many of the good calves are by him.

58 LOTS

DOMINO PRINCE 37
A typical son of Domino Prince. His service and get also will be attractions in the sale.

1 proven herd bull
1 2-year-old show bull
2 yearling herd bull prospects
17 yearling range bulls
2 weaner bull calves
9 cows, calves at side, bred back
11 bred cows
10 bred heifers
5 open heifers

Our limited amount of feed makes it necessary that we reduce the herd to the carrying capacity. The females are a cross section of the herd. In reducing we must sell a proven herd sire, SOS Royal Triumph 1st, a grandson of WHR Triumph Domino 6th. Three dandy herd sire prospects are included, two by Domino Prince 37th. Many of the young heifers are by this same bull. This is a real quality offering.

WALTER PALMER
Auctioneer

WALT MCKELVIE
Western Livestock Journal

SOS MOJAVE BEAU 6th
Our champion bull at last year's State Fair. Many of the best cows carry his service.

... THESE TWO HERD SIRE PROSPECTS SELL ...

SOS PRINCE CARLOS 22
Full brother to SOS Miss Carlos, a heifer that won 6 championships and reserves for us in 1947. This young prospect won his class last year at the State Fair and was in the winning group of 2 bulls.

SOS DOM. PRINCE 12
By Domino Prince 37th. An excellent prospect carrying the most popular bloodlines.

MEINRAD & IDA GRAB
King City, California

SOS PRINCE CARLOS 22

SOS DOM. PRINCE 12
What would it be worth to you to get a bumper crop every year... to send your crops to market first—when peak prices prevail? An extra inch or so of water, just when it will do the most good, speeds germination, aids fertilization, promotes growth. That’s what portable irrigation systems do; why they pay for themselves within a year or two.

Send for FREE book, “Portable Sprinkler Pipelines to Profit.” Read it carefully. Then ask yourself, “Can I afford NOT to irrigate?” Your answer is more important than you think.

With a portable sprinkler irrigation system of Alcoa Aluminum...

YOU ELIMINATE YOU CONSERVE YOU GET...
Grading Man power Greater yields
Plowing of Water Higher quality
furrows Topsoil Increased profits

Aluminum Company of America
606-J Gulf Building, Pittsburgh 19, Pa.

Please send me a copy of “Portable Sprinkler Pipelines to Profit”.

Name
Address (Or RFD No.)
City (or town)
State.

When you buy irrigation pipe look for this name

ALCOA ALUMINUM IRRIGATION PIPE

Joaquin Hereford Ranch
Source of Donald Domino 26th Breeding
DR. NED B. GOULD
Modesto, Calif.
Ranch at Ripon

Irrigation Important. Generally speaking, irrigation prior to planting is advisable; at any rate, frequent light irrigation is very necessary the first three or four weeks after planting unless the soil is naturally wet from rains or sub-irrigation.

This is the most critical period in establishing a pasture and probably more pastures are ruined by neglect at this period than from any other cause. New pasture seedlings are very susceptible to injury, the same as any very young plants or animals.

Irrigation frequencies are dependent upon the water-holding capacity of the soil, humidity, temperature and other factors. A good soil auger is the best method of determining time to apply irrigation water and the amount. Under-irrigation and over-irrigation are both harmful. Pastures should not be irrigated while being grazed because this will seriously damage the soil structure.

Management. Weeds probably will be the first problem after a pasture is started. Weeds should be mowed before going to seed, and grazing should be deferred until a good regrowth of grass and legumes has taken place. Any pasture should be divided into three or more units to permit rotation grazing and to defer grazing during irrigation and while regrowth is taking place.

The rotation will depend upon frequency of irrigation, the size of the pasture and the number of stock to be grazed. Ordinarily a minimum of three weeks should be allowed for regrowth. Heavy stocking for short periods prevents stock from becoming too selective and promotes more even utilization of the forage.

The number of livestock that the perennial grass could be used to advantage. Research work is being conducted along this line and some promising species should be introduced commercially within the next few years. At present perennial or annual rye grass is often used for this purpose, but Mt. Brome or slender wheat grass is probably better.

The rye grasses are among the most widely used species in the West. The seed is cheap and abundant. They make fast growth and are quite paintable and nutritious for livestock. However, they have a very strong tendency to choke out other better species, are short lived and low summer producers.

If you want a good perennial pasture it is best to leave the rye grasses out of the mixture.

In the north coastal area meadow foxtail can be used with birdsfoot trefoil.

—WE'LL BE SEEING YOU

at the

WILLOW BROOK RANCH

2nd Annual

HEREFORD SALE AND RACE MEET

OCTOBER 22-23

WILLITS, CALIF.

Quarter Horse Races, Saturday, Oct. 22

100 REGISTERED HEREFORDS

at Auction, Sunday, Oct. 23

At the Willits Fair Grounds. Lunch at 11 a. m. and sale starts immediately thereafter, rain or shine as the sales arena will be tent covered.

THIS STRONG WILLOW BROOK OFFERING PLUS THESE SELECT CONSIGNMENTS:

George Stempel

WILLOW BROOK RANCH

Willits, Calif.

6 perfect yearling herd sires.
7 good sire prospects.
17 strong range bulls.
AND highly desirable cows, bred and with calves at their side; also some cows in calf.
21 beautiful yearling heifers.

John D. Brethauer

HILLCREST HEREFORD RANCH

Upper Lake, Calif.
2 outstanding 3-year-old bulls.
1 proved 5-year-old herd sire.

Rolland T. Hurt

H BAR HEREFORD RANCH

Covelo, Calif.
2 outstanding 2-year-old bulls.

Mr. and Mrs. Don Coleman

MILL IRON RANCH

Willits, Calif.
6 superb calves.

For further information, write GEORGE STEMPEL

WILLOW BROOK RANCH, Willits, Calif.

Tony Sanz, Herd Manager

Auctioneers: Charles Adams, Walter Palmer

Western Livestock Journal: Walt McKelvie
STILL MORE SHOWS GO MODERN WITH JAMESWAY BARN EQUIPMENT

At The COW PALACE
San Francisco

"260 JAMESWAY Panel Pens give the Swine and Sheep Sections of the COW PALACE an appearance of completeness. The most advantageous display of exhibits, in airy and well-kept quarters, we believe to be the big fundamental of Show Barn Equipment, as well as the obligation of the show management to provide. Particularly are these features at the COW PALACE of greater than usual importance, due to the extraordinary number and quality of animals on exhibit, and the fine group of exhibitors to be served, but in the presentation of educational values to all who enter these gates. Our New Swine and Sheep Quarters were ready for the JUNIOR SHOW of last April. Everyone concerned seemed properly impressed and well pleased with the new facilities. These now await the opening of the BIG SHOW of 1949 from OCTOBER 28 to NOVEMBER 6." — Carl L. Garrison,

CARL L. GARRISON
Secretary-Manager
"OUR NEW LIVESTOCK PAVILION, one of the country’s largest and finest, with a capacity of 2,000 head of show animals, plus show rings situated mid a maze of stalls and pens and other facilities for the comfort of man and beast, is a model of light, convenience and display in construction. The newly completed SWINE and SHEEP SECTION awaits the opening of this year’s fair, OCTOBER 4 to 9, with JAMESWAY PANEL EQUIPMENT for better display of exhibits and the maximum in ventilation and sanitation, a total of 288 pens. We are proud to welcome exhibitors and visitors to these new quarters which will house the Premier Livestock Show of California’s 80 Fairs of ’49”—Tom Dodge.

JAMES MFG. CO. — WESTERN DIVISION

3520 Medford Street
Los Angeles 33, Calif.

Phone AN. 10386
Belly Deep in a Butler Pasture

There is no bloat here!

On the Case Ranch at Reedley, California

**Pasture Mixes as low as**

| NO Bloat Filler Annuals | $12.50 per acre |

Write for the following booklets

- Free Pasture Trio
- Plant with Confidence that the Mixture recommended in your situation is CORRECT and with the ASSURANCE that PERMANENT PASTURE provides the one accepted method of increasing your profits from meat and milk. The rapid increase in acreage devoted to EVERGREEN PASTURES by successful breeders and ranchers furnishes its own proof of soundness.

There is hardly anything in the world that some man cannot make a little worse and sell a little cheaper, and the people who consider price alone are this man's lawful prey.—Ruskin.

Earl O. Walter
Livestock Auctioneer
"A WESTERN MAN . . FOR WESTERN SALES"

Write, Phone or Wire for Dates FILER, IDAHO

R. R. MILLER & TEALE
Spokane, Bob
Orofino, Idaho

EXPERIENCED ADVISORY & CONSULTANT SERVICE
ON BEEF CATTLE HERD MANAGEMENT PROBLEMS
SALES MANAGEMENT — L. S. INSURANCE
BUYING ORDERS EXECUTED
For Herd Sire or Females
APPRASALS
Phone Main 3676
WEST 807 SHOSHONE . . SPOKANE 9, WASH.

Pasture will carry will be dependent upon the growing season, soil management practices and availability of irrigation water. It will vary from 7 to 12 animal unit months per acre, per season at the higher elevations, and 18 to 24 in the southern coastal areas. The peak of production will be in the late spring and summer and decline in the fall.

**Protective Growth.** The production in the first year will be considerably lower than the succeeding years. In no event should the forage be grazed to an average stubble height of less than two inches. In the fall of the year a little more growth should be left for protection during the winter. During freezing and very wet weather stock should be kept off the pasture.

Harrowing or dragging is necessary two or three times a year to spread clumps of manure evenly over the pasture.

Pastures should be watched to see that cockle burrs or other noxious or unpalatable weeds do not get a foothold. This can often be prevented by pulling or grubbing out the first few plants that appear or through the use of selective chemical sprays.

Even pastures with inferior forage species can be made very productive with good management; on the other hand a good pasture can easily be ruined by poor management.

**Fertilizing.** After the seedlings are well started an application of nitrogen phosphorus fertilizer is advisable in the fall and spring. Grasses are heavy users of nitrogen, while legumes usually respond readily to phosphorus. Where legumes tend to retard the growth of the grasses more nitrogen fertilizer should be used. The use of phosphorus reverses this condition. The remainder of grasses and legumes can be maintained by the proper use of these two fertilizers.

If proper attention is given the five basic principles listed here the most common causes of failure should be eliminated. The result—a well managed, high producing irrigated pasture that will pay good dividends.

**Plantings and Goals Compared**

BAE has issued comparison of crop acreages on July 1, this year, with the 1949 goals and the 1948 acreages, such as: Corn, 101% of the goal and 101% of the 1948 acreage; wheat, 115% and 107%, respectively; flaxseed, 165% and 102%; rice, 113% and 103%; potatoes, 99% and 90%; sweet potatoes, 87% and 102%; cotton, 120% and 114%; and spring sows farrowed, 96% and 115%.
more of what you want—

THICKNESS? Yes
DEPTH? Yes
QUALITY? Yes
UNIFORMITY? Yes

Add to all this, bone & scale!
and the "balance" is in your favor.

Many rangeland and cattle feeders,
everywhere, demand size, more
weight for age, with quality. This
you get in WHR Herefords.

There is a lot of WHR breeding
on the West Coast. It has long
been a potent factor for more
BEEF production. You will find
it at its best in the

ANNUAL WHR SALE
Friday, Oct. 7
at the ranch near Cheyenne
35 Excellent Herd Bull Prospects
35 Top Bred Heifers

*(Many a prominent herd bull has come from these
bred heifers in former WHR sales. Look at JR
FLASHY TRIUMPH, who sold at $48,000 in the
Sunland dispersion last February. He was
purchased "in dam" in our 1945 Sale.)

There are WHRs near you
WHEREVER YOU GO

Wyoming Hereford Ranch
Cheyenne, Wyo.

Send for catalog
and ask about our
unique way of
photographing Herefords

*See the "Wistful" heifer on page 54
animal when all the others are included. In 1948, the 10 products on my list were the origin of almost three-fourths of total cash receipts from farming.

Meat animals bring in about 30% of all cash receipts from farming. If we are to have income as our price support objective it seems to me that meat animals must be covered.

To keep our resources permanently employed in a way that will conserve rather than deplete them, the part of livestock in our agriculture should become increasingly important. If we are to move in that direction a program of price protection for livestock producers is needed. Support prices for grain without equivalent support for livestock may encourage farmers to hold, rather than feed, that grain. With protection for prices of both grain and livestock, much more of the grain will be fed, and other feed resources will be used too.

A greater output of livestock products also will meet the needs of consumers and add to national health and well being. Consumers have shown us time and again that they want to buy larger amounts of nutritious animal products.

Cost Question. There have been some assertions that a program of support for prices of livestock products would be enormously costly. I cannot reconcile this view with the demonstrated demand for those products. Conceivably, in the event of a depression equal to the worst previously known, any support activity would be costly. But this nation cannot afford a repetition of severe depression, and has said in policy legislation that it will take steps to prevent one. One of the most effective of such steps, I believe, is to see that farmers get the opportunity to earn a fair income.

The commodities that have received the greatest share of price support in the past, such as corn, wheat, cotton, and tobacco, have been storable commodities. It was possible to seal off in crib or warehouse the product offered to the Government by sale or loan. Methods of support for perishables are not so easy. For a few perishables, relatively small quantities can be diverted into such uses as school lunches and public institutions. But for meat the quantities available could easily exceed the limited need of those users. The storable period for fresh and cured meats is one of months, in contrast with the years that corn and cotton can be kept. The only feasible channel for substantial quantities or "surplus" meat is export, which would have to be accomplished at very low prices. It would cost a great deal and would represent loss of an important food that ought to be consumed in this country.

Must we then say that prices of meat animals cannot be supported because the methods used in the past would not be effective? My answer is "No." We can satisfactorily support through use of production payments.

Consumer Need. Production payments mean just what the words say—they are payments to farmers to encourage their meeting genuine consumer need, rather than restricting output short of that need. Each farmer would receive in cash the amount by which the average market price fell short of the price support standard.

Production payments would encourage efficient production and marketing, because any farmer who could exceed the average price received by all farmers, either because he has a better product or because he markets it better, would benefit accordingly.

There seems to be a good deal of misunderstanding concerning this particular point. Some people seem to assume that because producers would be eligible for a payment they would be willing to sell their products at any price, no matter how low. This just doesn't fit the facts. Suppose, for example, that the price support standard for hogs were $16 per 100 pounds and the average price received were $15. The rate of payment would be $1 per hundred pounds, the difference between the support price and the market average. If a producer received $17 for his hogs he would still be eligible for the payment of $1 and his total return would be $18. Another farmer who received only $14 for hogs sold at the same time also would be paid $1 per hundred, not the difference between his own price and the support but still the difference between the support and the market average. Certainly under such circumstances every producer would continue to seek the highest possible price for his hogs.

Efficient Method. Production payments would allow farm income to remain at a fair level while retail prices sought their supply and demand values in the market place. Consumers would stay in the market—they would not be partly frozen out by the higher retail prices resulting when livestock prices are supported by Government purchase and diversion of meat. It is true that consumers would pay back the difference between support and market prices through the tax revenue by which payments to farmers would be financed. But they would pay that difference whenever any price support is in effect. The production payment method would be efficient—the producer would receive directly the full promised support. And the consumer would get the meat which, under other support methods, would have to be taken off the market and probably be shipped out of the country at great cost.

In summary, our goal is a reasonably stable income at a fair level. For this purpose, we should base price supports on a realistic income standard, which in turn is based on recent actual income. By broadening the present program, affording protection to both the producers of feed and of the livestock to which it is fed, and allowing consumers the benefit of all our production without increasing their food costs, we can encourage the conversion of our resources into a more productive agriculture and provide for greater conservation at the same time.

COW PALACE ENTRIES—Bob Law of the Paicines Ranch, Paicines, Calif., is shown with some of the feeder calves he expects to show at the Grand National Livestock Exposition in San Francisco Oct. 28-Nov. 6. Auction of the carloads and pens of feeder cattle will be held Friday afternoon, Nov. 4.
is not advisable. About 200 lb. of ice distributed in the hog car will prevent much loss from overheating. A hog with a wet belly is a live hog all the way to market.

**Improve Methods.** Railroads and truckers are constantly on the alert for improved methods and ideas which will eliminate shipping losses. For example, Union Pacific’s solution to reducing losses has been designing new types of live stock cars. These cars are equipped with roller bearings, high speed wheels, automatic brakes and bolster snubbers to reduce vibration and bounce. New type friction gears eliminate most of the jerk in starting or stopping or when braking down the speed of the train.

In addition, these cars are painted—both ends and roofs—with aluminum paint which deflects the sun’s heat rather than absorbs it. Thermo engineers estimate that this practice alone reduces the interior temperature of the car by 5 to 10 degrees. Innovations in new double deck live stock cars include an upper deck 19 inches higher than in standard cars.

Importance of truck shipments is emphasized by the fact that 80% of market-bound live stock is transported by truck. Producers who ship by truck should also keep in mind that each year, except for the war years, that the percentage of cattle dead on arrival by truck has been much higher than by rail. This calls for extra precautions both at loading and unloading points, and a safe careful driver in transit.

**Truck Losses.** Calf losses are also higher by truck. Hog deads have averaged more than twice as high in trucks, but crippling has been less. Sheep deads average four times as high and cripples three times as high in trucks as in rail shipments. In 1947, cattle dead by truck was 60% higher than by rail, calves and hogs twice as high, and sheep more than four times as high. Of course, high truck losses can not be attributed solely to the trucker, but the human element does enter into the picture.

Trucks have road corners, sharper curves, and hills, which with fast driv-
A Royally Bred, of Herd Sires

B. E. & GERALD
HEREFORD

NOVEMBER 5

BHR ROYAL DOMINO 417th 4320843
Calved Dec. 23, 1944
Bred by Em. H. METTLER & SONS, Shafter, California
Tattoo R-417; L-417

BACA R. DOMINO 6, 3576307
OJR Royal Domino 10, 2892596
Lady Domino C. 15, 2647209
COLORADO D. 25, 2225190
Miss Domino 40, 2016995

WHR Royal Dom. 51, 2123530
WHR D. Dom. 63, 2462600
The Prince Dom. 20, 2064000
Annie Mischief 1819480
Dandy Domino 2, 1090902
Mischief Lass 4, 1488424
President Domino, 1683542
Miss Blanch, 140, 1690363

Consider the value you'll get in the proven herd sires shown on this and following pages. All are young, sound and active. Study their pedigrees. Aren't those the bloodlines that are winning in the shows, topping the sales all over the nation? Attend the sale, where you can study their offspring.

HIS GET
(Pictured below)

Probably the most consistent breeding bull in our herd, BHR ROYAL DOMINO 417th turns out large, growthy calves with plenty of bone to meet the most discriminating range trade. And he produces calves that win in the shows. His get, below, has been consistent winner. In fact there are two gets by him in our show string. They all sell, as does his service.
Prepotent Group
Awaits Your Bidding

MONTGOMERY
DISPERSION
Madera, Calif.

JR LARRY DOMINO 4843669
Calved May 2, 1946
Bred by Milky Way Hereford Ranch, Phoenix, Ariz.

<table>
<thead>
<tr>
<th>MW LARRY DOMINO 37th</th>
<th>Larry Domino 50th</th>
<th>Larry Domino 2085736</th>
</tr>
</thead>
<tbody>
<tr>
<td>2624412</td>
<td>MW Larry Domino</td>
<td>Miss Sturgess 2189934</td>
</tr>
<tr>
<td>Colo. Princess Jr. 65th</td>
<td>Colorado Domino</td>
<td>Mischief Loss 62d 1851060</td>
</tr>
<tr>
<td>3197556</td>
<td>236th 2434298</td>
<td>MW Mixer Domino 2861614</td>
</tr>
<tr>
<td>MW MISS MIXER 13th</td>
<td>MW Domino Mixer</td>
<td>Milky W. Miss Mixer 2488825</td>
</tr>
<tr>
<td>4026258</td>
<td>16th 3049612</td>
<td>MW Anxiety 34th 2972821</td>
</tr>
<tr>
<td>MW Lady Anxiety 2d</td>
<td>3460346</td>
<td>MW Lady 2d 2613155</td>
</tr>
</tbody>
</table>

There is no better way of putting your herd ahead several years than buying proven sires. And, in this dispersion, are many top proved herd bulls and show bull prospects from which to choose.

LOTS

20 herd bulls, herd bull prospects

One of the better breeding sons of MW Larry Domino 37th is JR Larry Domino. He is a seven-eighths brother of MW Prince Larry 15th, the "R. J." Royal Champion. The heifer pictured below is one of his oldest calves. Competing against the strongest competition in California, she was champion female as a senior calf at Stockton. A large majority of the senior and junior calves in our show string are by JR Larry Domino. They all sell, as does his service.

HIS GET
(Pictured below)
CHAMPION at Denver in 1944, he sold at the then record price of $18,000. He comes from a show-winning, sale-topping family. Considered by many as most instrumental in establishing the Sunland reputation. His sons and daughters were always among the tops in the Sunland sales. Many of his daughters are producing in our herd. They all sell as does his service.

Consider the fact that you'll be buying one of the Nation's top selections of females, mated to these bulls. Many with calves at side by them. Included are TT ZATO HEIRESS (mother of the $35,000 Monty's Aristocrat which Alan Feeney bought for Milky Way); Zato Heiress's daughter, TT MISS GLORY 7th, with heifer calf by the $48,000 WHR Flashy Triumph. Both Zato Heiress and Miss Glory are bred now to MW LARRY DOMINO 37th. In addition there are: IR Esther Domino 33, 1948 State Fair Champion; HV Golden Maid, $4,500 top female in the 1946 Madera Sale; Billie Dominie, daughter of a Denver champion and mother of the top selling heifer in the Thornton sale; many daughters of Brown's Domino 98, Jr. Domino 160th, OJR Royal Domino 10th, TT Triumphant 16th, Sunland Domino 33d, and daughters of other outstanding bulls.

TOP of the 1947 Sunland Sale at $17,250, Sun Royal 2d comes from a famous set of individuals: WHR Triumph Domino 6th, Domino Prince, WHR Safety Domino 8th. You'll like his calves. They all sell as does his service.
Considering his background, we had expected great things of this young junior sire. His calves will be on the ground by sale day. One of the youngest sons of Thornton's great Register of Merit "45th", he is out of Billie Dominie (SHE ALSO SELLS), daughter of a Denver champion and mother of the top selling heifer ($8,750) in the Thornton sale. The pair, Billie Dominie and TT Triumphant 79th, cost us $10,000 in that sale, he being just a calf at side. Many of the best cows in this auction will carry the service of TT Triumphant 79th.

Two reduction sales, constant selection for uniformity, breeding and producing ability combine to make this one of the outstanding sets of brood matrons in the Nation. And they're yours for the bidding, November 5.

SON of the highest-ranking Living Register of Merit Sire, CW Prince Domino 21st. One of the most popular bloodlines obtainable. We purchased this young junior sire at $2,000 in last year's Cow Palace sale. You'll like him.
MAKE RAIN
WHILE THE SUN SHINES!

Put the right amount of water...
WHERE you want it
WHEN you want it

with an
AMES
PORTABLE EFFICIENT
IRRIGATION SYSTEM

Save time, water, work and money!
Increase your profits! For full germination, sturdy growth, quality crops, maximum tonnage...install AMES lightweight irrigation equipment. Your choice...Galvanized or Aluminum. Widely used across the country. There's a low-cost AMES system to meet your requirements.

PASTURE • CORN • BEETS • POTATOES
CITRUS • NUTS • FRUITS • TRUCK BERRIES • ALFALFA

Send coupon below to nearest plant

W.R. AMES CO.
150 Hooper Street
San Francisco 7, California

GATED PIPE for Furrowing
Also SYMPHONS • FURRO-TUBES
W. R. AMES COMPANY, Dept. 9
or Dept. C
3905 East Broadway, Tampa 5, Florida

Send illustrated folder. Also chart for free lavour service. I am interested in:

SPRINKLER □ FLOOD □ FURROW □ ACRES □ CROPS

Name: ________________________
Address: ______________________
State: ________________________

WATER FOR YOUR CATTLE

THE BOB EVERITE CATTLE FLOAT ASSEMBLY
Assures a trouble-free supply of water to your drinking troughs. Flexible swivel connection (pat. pending) relieves valve and ball of all strain. Precision made throughout. Rugged seamless copper ball. Available in 1/4", 1/2", 1" and 1 1/4" sizes.

ROBERT MFG. CO.
9035 Venice Blvd., L. A. 34, Calif.
Distributed in So. California by
WILLIAM P. BLUM
114 N. Michigan, Pasadena

END WORRY
INSTALL
RAIN BIRD SPRINKLERS

• Stop erosion, increase production, cut costs and insure a crop—for pasture, row crops or orchard.
RAIN BIRD SPRINKLER MFG. CORP.
GLENBORA, CALIFORNIA

ing, causes injuries. Some drivers, to get greater tonnage, frequently overload. Once an animal falls down in a crowded truck it is difficult to regain its footing; trampling, bruises and often death result.

Good loading chutes, not too steep, and placed flush against the rear of the truck will prevent loading losses. Cleated inclines should be provided for unloading from upper decks. Animals forced to jump to the truck floor, or which are pulled from the upper deck and allowed to drop are often severely bruised.

Handling Important. Most stock yards have instructed handlers not to use clubs or canes but canvas slappers when unloading livestock. This has eliminated much rough handling. In recent years the electric prod has found popularity among stockmen. If properly used, it will result in no ill effects, but some cattle hides have been observed to have as many as 25 to 50 prod damaged areas. This is inhumane and unnecessary. And, there is real danger in "home-made" shockers—both to man and beast. These contraptions are potential killers and should not be allowed by producers interested in their livestock.

Everyone loses when dead, crippled or bruised livestock arrives at market. But the greatest loss is absorbed by the producer. His livestock insurance is calculated upon the basis that there may be such a loss, and the producer pays the premium. Bruises are not easily discerned until after slaughter, but livestock buyers have sharp memories and they pay less next time in anticipation of such losses.
There are a lot of words in our language that are hard to define exactly. And the word “First” is one of them.

What does it mean to you? The Original? The leader? The winner? The biggest?

Speaking for ourselves, we’ve always liked the idea that “First” means the “The Leader”, the “Pace Setter”, the “Yardstick by which others base their predictions”, “the most successful.” Take Hereford sales for instance. When you apply the word “First” to this field you mean several things:

YOU MEAN the sale that sets the highest average.
YOU MEAN the sale that attracts the top breeders from three great Hereford producing states.
YOU MEAN the sale that is truly the place to buy foundation females and prospective herd sires.
In fact, YOU MEAN THE TRI-STATE HEREFORD FUTURITY—the leader for the past five years in association sales, both for total average for number sold and the record breaking sales of outstanding individuals!

Plan now to be with us in Billings, Montana—October 23 and 24 when 53 of the top Hereford breeders in Montana, Wyoming and North Dakota will show and sell the greatest set of cattle ever gathered at one sale in the Northwest. Truly your source of foundation cattle.
You get only tops from
3 great herds
in
1 great sale

One of the foremost Hereford buying opportunities of all time!

Sale in the Lamont Pavilion Oct. 8...
at 12:30 P.M.

Auctioneers:
A. W. Thompson
Charles Corkle
Jewett Fulkerson

Lee Scott
Jim Sanders

Suncrest Hereford Ranches
Phoenix, Arizona, and Gunnison, Colorado
SOIL CONSERVATION and RESEEDING in Arizona

RESEEDING—Work on Matt Baird’s Ruby Star Ranch, Nogales, illustrates techniques employed in Arizona soil conservation practices. In the top picture, Baird (back to camera) talks to driver of tractor which pulls eccentric disc, roller, and seeder. Note appearance of ground in center photo after reseeding equipment has passed over it. Depressions are gouged out by the eccentric disc; a portion of each disc is cut away to produce the dips. Bottom: close-up of equipment. Baird expects high results from this operation.

Photos by Matt Culley

For the 6th time, You are invited to the National Columbia Show and Sale October 18-19 Minot, North Dakota COME . . . Carefully inspect top grade Rams and Ewes consigned to this Show and Sale. The All-American Breed. WHY? Because Columbia Sheep are first in wool and lamb production. Also attend the National Convention of the Columbia Sheep Breeders’ Association of America, Oct. 17, Clarence Parker Hotel in Minot.

For catalogs and information, write: ULRIC M. GWYNN, JR., Sec. Mgr., Association of Commerce, Minot, North Dakota.

The best means of driving a vertical pump with a horizontal driver...

PEERLESS Gearturbo VERTICAL TURBINE PUMPS

Peerless Gearturbo, right angle gear, pump drives are used and proved in thousands of successful agricultural installations. Ideal for low cost, all-weather service. Gearturbo drive provides a positive, efficient means of pumping essential water where electricity is not available or its use impractical, or where auxiliary power from a gasoline, natural gas or Diesel engine is desired. Gear up now for good pumping. Peerless Deep Well Turbine Pumps produce from 15 to 30,000 g.p.m. from any practicable depth. Gearturbo drives are available up to 300 HP. Discharge base also accommodates vertical electric motor.

Mail Coupon for Free Bulletins

Peerless Pump Division, Food Machinery and Chemical Corporation Los Angeles 31, California. Please send free Bulletins on items checked:

- Deep Well Turbine Pumps
- Water Systems
- For Small Diameter Deep Wells
- Peerless Hi-Lift Pump
- Peerless Champion Pump

Name__________________________
Address________________________
Town__________________________
State__________________________

Page 73
YOU JUST BUY

KARPE'S 2ND ANNUAL AUCTION

NOV. 7

A.H. KARPE'S GREENFIELD HEREFORD RANCH

BAKERSFIELD, CALIF. 10 Miles South on highway "99"
CAN'T BETTER VALUES

BECAUSE whenever we've found Beef Improving Bulls or Females, we've bought them. Careful development has done the rest. Come and see them NOVEMBER 7.

SELECT THESE BETTER VALUES FROM OUR HEIFERS • RANGE BULLS • HERD BULL PROSPECTS

THOSE SALE HEIFERS BRED TO HIM ARE NOW MORE VALUABLE BECAUSE HE'S PROVED + + +

GHR PRINCEPS 1st + + +

His first calf, a bull, dropped August 28 and he's a beauty. Plenty more to check on by sale time. Looks as tho this son of RS Super Princeps is really going to be a great sire as well as a great individual.
SPEED UP THE HARVEST with the MM The Bale-O-Matic

MM'S BALE-O-MATIC REDUCES LABOR, ADJUSTS QUICKLY TO TELD AND CROP CONDITIONS.

The BALE-O-MATIC
✓ Picks up the hay
✓ Slices into uniform layers for easy feeding and automatically ties bales with 2 strands of steel wire
✓ Makes uniform, square-cornered bales that stay tied
✓ No loose wire ends are dropped in bales or on the field
✓ Requires only tractor operator
✓ May be used as stationary baler

Bale your hay the modern way with MM's Bale-O-Matic to save time and manpower, preserve more food value of the hay, save valuable storage space, and make hay easier to handle! The Bale-O-Matic lifts hay from windrow or swath, compresses and slices it into uniform layers and ties it with two strands of steel wire while the bale is under compression. Weight of bale is pre-selected by tractor operator.

Pick-up mechanism of MM Bale-O-Matic works equally as well in green or cured hay or straw, handles light, uneven windrows and extra heavy windrows and swaths. The Bale-O-Matic adjusts quickly to suit field and crop conditions. New Uni-Matic Power raises or lowers pick-up mechanism "on the go" over ridges or ditches. The versatile MM Bale-O-Matic can be used as stationary baler with no extra equipment required. Strong, quality construction of Bale-O-Matic mechanism throughout assures trouble-free operation, longer life, and dependable performance. See your friendly MM dealer for facts.

NEVADA HEREFORDS
A few rugged range bulls for sale now.
Come and see them
H. H. CAZIER AND DONALD JONES
WELLS NEVADA

Purebred Livestock AUCTIONEER
* * *
Freddie Chandler
CHARITON, IOWA

FOR SALE
TWO CARLOADS of BIG, RUGGED HEREFORD BULLS
PETERSON BROS.
OGDEN, UTAH

30 TONS AN HOUR
Continued From Page 41

feed and fatten this big "herd" takes a lot of hay, grain and ensilage. They use over 20,000 tons of hay a year, 8,500 tons of grain, 3,200 tons of cottonseed meal, 9,000 tons of cottonseed hulls and over 10,000 tons of ensilage. With the exception of 3,200 tons of molasses, all this feed is grown by and purchased from the farmers of the Salt River Valley.

Supply Figures. The problem of supply, as a soldier might say, is a big one, as a few more figures that will interest ranchers and cattle feeders will show. To fence and cross fence the 125 acres of corrals took 53,000 feet, or 10 miles of fencing. There are over 44,000 feet, or 8 miles of feed troughs. There are 7,000 posts, most of them cast concrete or steel to hold up 300,000 board feet of lumber. Some 40,000 bolts tie the whole thing together and 38,000 feet of pipe take care of the water distribution.

Handling cattle in large numbers made a new feed mill a necessity at Tovrea. But what evinces wonder from everyone who sees it in operation for the first time is the speed and production! The raw ingredients stream in from four directions to the low rumbling roar of the conveyors and the hum of motors, and the mixed feed literally flies up to the loading bins—at the rate of 30 tons an hour.
70 HEAD OF GEMS
SELLING NOV. 18

BLOCKY HERD SIRE PROSPECTS—
Sired by Royal Essar 3, Royal Essar 9, Gem Beau Zento, Gem Pontotoc Tone.

TYPEY OPEN AND BRED HEIFERS—
By Royal Essar 3, Gem Beau Zento, TT Mission Royal and Gem Pontotoc Tone. Some are carrying the services of Royal Essar 3, Royal Triumph 69, Gem Beau Zento and Gem TT Mission Triumph.

RUGGED RANGE BULLS—
Bred similarly as the Herd sire Prospects.

Gem Beau Zento—Half brother to the $51,000.00 Del Zento 1st. He is siring many top individuals.

FREE DELIVERY ANYWHERE IN THE U. S.

Our fleet of trucks is ready to deliver your purchase swiftly and safely to your doorstep.

Plan now to attend the Double M Hereford Ranch Sale Nov. 19

IDAHO
HEREFORD
RANCH

GOODING CORRAL • IDAHO
FAIRFIELD

ERNEST E. FIELDS & SONS
BILL HEINTZ, Herdsman
SAM GARDNER, Feeder
Here's an opportunity to put the blood of MARK DONALD at work in your herd...

MARK DONALD

NOW OFFERING FOR SALE...

40 bred two-year-old heifers. They are bred to Don Donald 20th, champion bull at 1947 Pacific International. He is a grandson of Mark Donald.

Carload three-year-old cows with calves at side and re-bred to Mark Donald 92, son of Mark Donald, and champion bull at 1948 Oregon State Fair.

Carload yearling and two-year-old unregistered heifers now being bred.

Carload big rugged bulls, ready for service.

See the show herd at Pacific International Oct. 7-15 at Portland

HERBERT CHANDLER

BAKER, OREGON

Please Mention Western Livestock Journal When Writing Advertisers

QUALITY BREEDING

Continued From Page 42

environment? (2) Are cattle with the best feedlot records the kind that do well on roughage or range pasture? (3) Are fast, economical gainers the better calf producers?

Environment Testing. At the Corvallis central station a line of 20 Hereford cows is used for experimental purposes. Breeding stock of good quality grade Herefords at the Squaw Butte station provides data from desert environment. Those at Eastern Oregon Branch station are under mountain conditions and those at Northrup Creek and Astoria are kept under coast range conditions.

All of these Herefords are to be bred this year through artificial insemination with bulls of the Atok Lionheart strain kept at the central station. The breeding program under Dr. F. F. McKenzie, Oregon State College, is controlled through artificial insemination with semen for the experiments produced by herd bulls at Corvallis. The Lionheart Hereford bulls came from the Earls-court Farms, Ltd., Lytton, B. C. All bulls are evaluated by the performance of their progeny under test feeding. The influence of environment on the relative productive merits of the bulls is being tested.

A line of Aberdeen-Angus is maintained at Corvallis, bred through controlled breeding with the Sunbeam and Missouri Barbara strains.

Production Performance. At the Eastern Oregon Branch station a line of Herefords is being developed based on mild inbreeding (not brother-sister), another line of Herefords at the central station is based on close inbreeding and converging of sub-lines. Here the Angus are also producing a line through mild inbreeding. All three lines are then selected on production performance. An expanded program is being followed at the Squaw Butte-Harney station to provide cattle for the bull-environment testing program.

Many problems of great concern to cattlemen are being studied through this program. Data on “cancer eye,” factors affecting productivity of cows, weaning weights of calves and other problems have been investigated. One particular project which has been going on for eight years at the Squaw Butte-Harney station is nearing completion. This project provided data on factors affecting weaning weight of calves, such as the relative importance of the age of dam, size of dam and birth weight of calf.

Conclusions. As a result of this eight-year experiment the personnel of
A Concentration of
Dandy Domino 46th Bloodlines

Feature
THE COMPLETE DISPERSION
OF THE
Happyholme Registered Hereford Herd
MONDAY OCT. 3 ELK GROVE, CALIF. 9:30 A.M.

The dispersion will be held in the modern Ord Leachman sales
court in Elk Grove, 1½ miles east of Highway 99, just 12 miles
south of Sacramento. Lunch available on the grounds. The cattle
are inspected previous to Oct. 1 at the ranch out of Lodi.

Typical pasture scene. Note the deep, roomy cows, the rugged calves they have produced. Every
animal sells.

169 LOTS

We have followed a line breeding program for some time here at Happyholme Farms. Nearly every animal
traces back to Dandy Domino 46th on one side of the pedigree and most of the young stock on both sides. We used
two sons of Donald Domino and our three herd sires, through California Golden, go right back to the 46th.

62 COWS

All good ages. They have been closely culled each year, all of the older cows and undesirables
going to the slaughter.

25 2-YR. OLD HEIFERS

Really a good set of young replacement females. All bred for December calving to HV
Golden Royal. He is out of a daughter of WHR
Royal Domino 45th. His calves are exceptionally
heavy-boned. Many of the heifers are by PH
Bright Jupiter combining WHR & Banning-Lewis
breeding with Dandy Domino 46th.

CHARLES ADAMS, Auctioneer

25 YEARLING HEIFERS

All open. Granddaughters of California Golden. They show a world of promise.

54 WEANER CALVES

Nearly every one by the three herd sires listed below. They are all large, growthy calves with
plenty of bone and ruggedness.

3 HERD SIRES

HV Golden Domino 14th, HV Golden Domino 10th,
and HV Golden Royal, all four-year-old sons of
California Golden, purchased from Earl Coffin. They
are all outstanding proven producers. The "14th" sired
the champion Red Bluff heifer, 1949, for Coffin.

WALT McKELVIE, Representing WLJ

Happyholme Farms
P. O. BOX 319 — LODI, CALIFORNIA
Prince Sunbeam 16th, one of the Aberdeen-Angus herd sires being used in the OSC insemination program, holds the record at the college for Angus with 2.54 lb. daily gain, consuming 218 lb. grain, 535 lb. hay per 100 lb. gain.

The central station and this branch station cooperated in the data and conclude:

(A) A correction factor for adjusting weaning weight of calves to a common age basis of 9 lb. per week or 1.29 lb. per day has proven accurate.

(B) The relation of cow size to weaning weight of calf shows that cows 100 lb. heavier than the average produce calves 30 lb. heavier than the average for all calves weaned. Thus, for each difference of 1 lb. in cow weight there is a corresponding difference of 0.3 lb. in the weaning weight of the calf.

(C) Color of dam is associated with weight of calf at weaning. Light colored cows weaned larger heifers and smaller steer calves, whereas dark colored cows weaned larger steer and smaller heifer calves. At present, this observation is of scientific interest only, because weight differences are not great enough to have practical application.

(D) Rapid gaining calves in feedlot made most efficient use of their feed.

(E) There is little relation of rate and economy of gain to showing merit.

"Hunches" Verified. Major results of the first year as submitted in a progress report by Dr. Bogart's committee certainly verify many of the "hunches" of cattle breeders. Years of experimenting at Squaw Butte-Harney station and Oregon State College provide further conclusions:

Larger calves at birth are generally the larger ones at weaning; larger cows have heavier calves at birth and wean the heaviest calves; mature cows wean heavier calves than younger cows; and cancer eye has not occurred in red-eyed Herefords. White-eyed cattle may or may not develop the disease depending upon irritation and genetic susceptibility.

Progeny testing revealed a marked difference in ability of bulls to sire fast gaining calves. For example, calves from one sire gained 0.4 lb. more per
Cattlemen of the Pacific Coast area know that John Owen put together one of the truly select small Hereford herds. In the "3 in 1" sale we present all of the tops from the famous Suncrest-Owen unit—without a single reservation. Some of the top females of the breed, just now in their prime and with well established reputations, can be yours because of circumstance. What an opportunity to strengthen your position as a breeder of Registered Herefords!

WHR Lady Lill 15 — sells!
World's Record $20,000 Cow.

Princess R Domino 2 — sells!
Register of Merit Daughter of Real Domino
4 Sq. She's the . . .

Dam of SO Royal Princess 11
'49 Denver Champion Female.

Dam of JEO Royal Prince 5
Young Proven Herd Sire selling as Lot 1.

WHR Nancy 43 — sells!
Dam of the $33,333.33 CW Symbol Seth

WHR Nancy 43 — sells!
Dam of the $33,333.33 CW Symbol Seth

Write for a catalog and request hotel reservations now, to Suncrest Hereford Ranches, Phoenix, Ariz., or Gunnison, Colo.
The six proved herd sires that feature in our dispersion are listed on the opposite page. Their get and service are also an important factor in this dispersion. Included in the offering are 32 yearling herd-bull prospects and top range sires; 41 heifers calved in 1948; 26 heifers calved in 1946; and 150 cows, most of them with calves at side. Buy these females that Trout Creek had planned to go ahead with following the herd-reduction sale a year ago.

**TROUT CREEK RANCH, CODY, WYOMING**

MRS. N. P. deMAURIAC, Owner. ALICE HAMMOND, Asst. Mgr. RAY WILDE, Manager
Good Herefords, Sept. 29
Trout Creek Dispersion
Cody, Wyoming

SIX PROVED SIRES SELL!

MR ROYAL DOMINO 2d . . . TP ROYAL DOMINO 24th . . . OJR FLASHY ROYAL 2d . . . CANYON T. IMAGE 58th . . . TCR PRINCE D. 2d . . . A. DOMINO 3d.

These tried sires are the catch of the season! You'll go for them—hook, line and sinker.

AUCTIONEERS:
A. W. Thompson, Charles Corkle and H. B. Sager.
Write for catalogue today.
ADDRESS: ALICE HAMMOND, Trout Creek Ranch, Cody, Wyo.

CAST FOR GOOD HEREFORDS AT
Trout Creek Dispersion
SEPTEMBER 29
Cody, Wyo.
head daily during the winter feeding period than calves from another bull, although both bulls were fine appearing purebred animals. A great variation in rate and economy of gains was present within and between sires. Some calves from weaning to a weight of 800 lb. gain at least twice the rate of others and require only two-thirds the feed per unit of gain. The Lionheart strain of Herefords required a small amount of grain and thereby increase beef output.

Gaining calves; and greater gains of bulls over heifers. Heifer calves gained feed efficiency came in the rapidly female, the better bull produced calves slightly less than one half as fast as average of all the offspring, male and grain fed per

ably consistent within sire groups, indicating the effect of the bull used.

Further analysis indicates that greater feed efficiency came in the rapidly gaining calves; and greater gains of bulls on heifers. Heifer calves gained slightly less than one half as fast as bulls on exactly twice as much grain.

As a result of the experiments after the first year the experimenters can point with pride to a few of their results. County agents and 4-H Club leaders in some counties are interested in the program to the extent that club boys and girls rate their animals in part, at least, on rate and economy of gain. Consequently, the youngsters are getting their stock from producers who can show good production records in their cattle. One Oregon breeder who cooperated with the project had such a demand by 4-H Club people that all of his good steer calves were taken at weaning by club boys and girls for their projects.

Criterion for Selection. The development of a correction factor of 1.29 lb. gain per day agrees with Colorado and New Mexico figures, which indicates that this figure would be applicable to other dry range areas. The use of this factor makes it possible to adjust the weaning weight of calves to a common

age basis and enables breeders to use weaning weights as one criterion for selection.

The great variation in rate of gain and efficiency of feed utilization demonstrates the great need for keeping records and using them in selection of breeding animals on the farms and ranches. The high relationship of rate of gain to feed utilization indicates that under practical conditions marked improvement can be made for both by selection on the basis of rate of gain. This is particularly true where it would be impractical to feed the animals individually.

From records kept at the Squaw Butte-Harney station it is clearly shown that larger cows are necessary to produce big calves at weaning. This would indicate that breeders are not justified in obtaining good beef types at the expense of size. Smaller, more compact cows may be expected to wean the smallest calves.

Compiled statistics from the four widely scattered experimental areas in Oregon are helping to pave the way for controlled breeding and selection. Through the results of these experiments it is hoped that the stockman may see the value of keeping simple production records. From those records he can cull his herd for the better producers and thereby increase beef output.

Lady's Choice
By S. Omar Barker
When meeting a lady driver, I quake down in my shoes.
Half of the road, I grant, is hers—
But which half will she choose?

Preferred Stock

The Get of RS Super Princeps Sells
SIRE OF OUR ENTIRE 1949 SHOW HERD

When you purchase Parkes Herefords sired by RS SUPER PRINCEPS you are really investing in Preferred Stock! In one of our recent advertisements we recalled the winnings of the get of RS SUPER PRINCEPS at the recent Midland Empire Fair at Billings, and at the North Montana State Fair at Great Falls, Mont. Going a little further back to see what he has accomplished as a sire of show and sale winners, we find that most of the winners at the 1949 Montana Winter Fair were sired by him: champion and reserve champion, six first—including the first-prize get of sire by RS SUPER PRINCEPS, five second and one third place. Sixteen head of cattle, the first get of RS SUPER PRINCEPS offered for sale, sold at the 1948 Tri-State Futurity and at our own sale last fall, for a total of $55,150 ... an average of $3,440. Included in the group was AP Worthy Princeps, champion at the Tri-State Futurity that sold for $15,000, a new United States record for a bull sold in a futurity sale.

Archie Parkes Offers 30 Bulls - 25
In way of explanation an animal grading No. 1, according to this table, would be 96% perfect as far as conformation, type, etc. are concerned. An animal grading No. 2 would be 87%; one grading No. 3 would be 78%, etc.

The 60 cows used in Markham's foundation breeding program graded a 2- or an average of 84.3%. Their average weight at the time they were graded as mature cows was 1,066 lb. They were mostly of Crocker-Huffman breeding. The first bulls used were some that were purchased at Treasure Island auction sale. They were Idaho Domino, Hillcrest Domino and Stanway Domino. The main bull which has been used in improving this herd, however, is Royal Triumph 27th, bred by Mission Hereford Ranch at San Jose, Calif.

**Grading Guide Used in Beef Cattle Records of Performance**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>MARKET CATTLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation</td>
<td>Numerical Value</td>
</tr>
<tr>
<td>+</td>
<td>96-100</td>
</tr>
<tr>
<td>1 av.</td>
<td>95-97</td>
</tr>
<tr>
<td>+</td>
<td>89-91</td>
</tr>
<tr>
<td>2 av.</td>
<td>86-88</td>
</tr>
<tr>
<td>-</td>
<td>85-83</td>
</tr>
<tr>
<td>+</td>
<td>80-82</td>
</tr>
<tr>
<td>3 av.</td>
<td>77-79</td>
</tr>
<tr>
<td>-</td>
<td>74-76</td>
</tr>
<tr>
<td>+</td>
<td>71-73</td>
</tr>
<tr>
<td>4 av.</td>
<td>68-70</td>
</tr>
<tr>
<td>-</td>
<td>67</td>
</tr>
</tbody>
</table>

Mature weights: Bulls 1,700-2,100; Cows 1,200-1,500.

86.4% with an average weight of 809 lb., 25 2-year-old heifers have graded 87% and have an average weight of 1,039 lb. The majority of the breeding cows that are now in the Markham herd are heifers that have been sired by Royal Triumph 27th. A rough analysis of the data readily shows the improvement that has been made in this herd by systematic breeding, grading, weighing and culling. In addition to weighing and grading calves from this bull, a new project has been launched on the Markham ranch which includes full feeding the entire bull crop for six months. This feeding program is started immediately after weaning. The

DANDY DOMINO 18th, a top son of Double Dandy Domino, has piled up quite a show record.

In the 1947 shows, he placed second at the Grand National, first at the Ogden Show and third at the Chicago International.

In 1948 shows, he placed sixth in the junior yearling bull class at the "R. J.," Royal, fourth at Lexington, first at Grand Island and second at the Eastern National.

The Service of Dandy Domino 18th and . . .

AP Princeps 16th Sells!

AP PRINCEPS 16th, pictured at left, recent champion at Billings and reserve champion at Great Falls, has already established himself as a show winner. He was champion at Great Falls and Billings in 1948 and champion at the 1949 Bozeman Winter Fair. The calves from his service should really pay dividends.

Females at Vaughn, Mont., on Oct. 29
LOW COST
DEPENDABLE
IRRIGATION

Profitable irrigation depends on economical planning. Water the WAY you want it WHEN you want it. Let Buckner show you HOW.

Write Today
Dept. WL2
P. O. Box 232 - Fresno, California

PIONEER LEADER IN SPRINKLER IRRIGATION FOR 1/3 CENTURY

HELLO FOLKS!

You haven't seen or heard from us in quite awhile.

WE HAVE PLENTY OF HEREFORD BULLS

Big, rugged, ready for service, two-year-old bulls.

We offer a choice selection at our ranches. Herd Bulls and Range. One or Carloads.

PETE RSON BROS.
OGDEN, UTAH
ELKO, NEVADA

Remember to Mention
WESTERN LIVESTOCK JOURNAL
When Writing Advertisers

Auction of Accia Ill. Purebred Hereford, above, will benefit patients of Children's Hospital of East Bay, Oakland, Calif. Dick McDougal, son of Harvey McDougal, Collinsville, Calif., has prepared Accia for Grand National sale in November. He is the third steer donated to the hospital by the William Sidleys. Silver Spur Ranch, Encampment, Wyo. Mrs. Clarence Loomis and Mrs. Arthur Beckley of hospital auxiliary explain the guessing contest, to be held in connection with sale, to patients.

object of this test is to find out the rapidity and economy of gain of these bulls.

Ration fed is 30 lb. beet pulp, 60 lb. rolled barley, 10 lb. cottonseed cake meal, 1 lb. salt, 1 lb. bonemeal. This concentrate mixture is fed at the rate of 1½ lb. to every 100 lb. of live weight. Cereal and alfalfa hay also are included.

Economical Gains. It has been determined at the U. S. Range Experiment Station at Miles City, Mont., that beef cattle which gained rapidly during a six-month period of full feeding after weaning are usually the ones that gain the most economically. This factor for rapid growth is inherited and is passed on to their offspring. In fact, Miles City research workers believe that this one factor of rapid gaining is 80% inheritable. In other words, bulls that have gained over 2.25 lb. per head per day for a six-month period or more are usually the ones that produce the heaviest and best gaining calves. This is the first feeding project to determine feedlot performance to be started in California on purebred Hereford cattle and it is hoped that these results will encourage other breeders to use this system of evaluating the breeding sale animals.

To sum up the work done on the Markham ranch for some prospective
A “REAL” Opportunity for You

These Outstanding POLLED HEREFORDS

... and many more like them
Sell in our second annual
MISCHIEF REAL SALE, OCT. 15

H. B. SAGER and CHAS. CORKLE, Auctioneers
Write or wire for catalog and reservations.

Podolak Polled Hereford Ranch
LUSK, WYOMING
An easy to use, concise, guide prepared to simplify your pasture problems. Contains full information about planting, etc. Listed below are a few of the many immediately available varieties.

- Dallis Grass
- Buffalo Grass
- Blue Grama
- Molasses Grass
- Carpet Grass
- Prairie Grass
- Orchard Grass
- Rhodes Grass
- Alfalfa
- Bahiagrass
- Tall Fescue
- Burnet
- Strawberry Clover
- Subterranean Clover
- Hay and Pasture Mixtures, etc.

Write for free guide, quotations, etc.

**REGISTERED BURDIZZO TRADE-MARK BLOODLESS CASTRATOR**

Minimize your losses at marking time. Burdizzo marked stock thrive better.

O. M. FRANKLIN SERUM CO. — DENVER
Sole Makers: LA "BURDIZZO" CO.
Corso Sebastopolii 187 — TURIN (Italy)

**PINE-TREL 065 DEHYDRATED PINE TAR OIL**

BLOW-FLY REPELLENT; ANIMAL WOUND DRESSING
Deodorizes, Disinfects, Castrating, Wire Cuts, Wound Infections, Gash in Head, Ear, Ribs, Shingled Nose, Bolting, Add Pigeon, Non-polluting.

**KING RANCH BLUESTEM**

Immediate Delivery.

Harvesting 1000 Acres.

**GUY HUTCHINSON**

Uvalde, Texas

bull buyer one might say: “If you want to buy a bull or bulls from this breeder you can inspect the herd bull and the breeding cows from the standpoint of conformation, type, quality and bloodlines. You can observe the breeding record of each dam which shows not only her bloodlines, weight and grade, but the number of calves she has had plus the weights and grades of every calf in the herd that the sire of the bull you are going to buy has sired. The rapidity of gain for a six-month period following weaning also is available. This performance data is invaluable. Then, too, and probably as important as anything, is that none of these cattle has had access to a nurse cow. One then can be assured that their size, finish and condition is due to the mother’s milk plus natural feed harvested from the ranch.”

**Other Interests.** In addition to this purebred business, Markham also runs quite a large commercial herd of Hereford cattle. He operates about 9,000 acres of ranch range in the King City and Bitterwater country of southern Monterey and San Benito Counties. He also has 400 acres of some of the best permanent irrigated pasture that can be found anywhere in California, located near Gonzales. The cattle are grazed on the King City property in the winter and the spring months. They are brought to the Gonzales property in the summer and fall for grazing. At the present time he has about 600 head of his own cattle on the Gonzales property plus 300 head of steers owned by the Pacific Valley Cattle Company of King City.

Markham creep feeds his calves on this permanent pasture and when they are weaned the steer calves are fed grain and cake on dry range at King City. As the feed becomes green he continues to feed rolled barley and beet pulp. By this practice of feeding he can finish his steers at about 18 months of age, weighing around 900 lb. and usually bringing top dollar on the market. This system of feeding was one that was pioneered and perfected by Irvine Armstrong of the J. G. Armstrong Company of Salinas.

**Cost Records.** Accurate cost records as well as weights and gains of cattle are being kept on this permanent pasture ranch. This pasture is divided into 10 fields and the cattle are turned in on a new field about every six days. About three days before turning the cattle in on a new field, several checks are moved, raked and allowed to cure. In this way dry feed is supplied in an economical way which helps prevent bloat and aids better feed utilization. The mixture used is 3 lb. domestic rye, 2 lb. English rye, 4 lb. tall fescue,
CONSIGNORS
Mrs. Worthen Bradley
Rancho Solfa Tara
Clearlake
J. B. Brice
Lancaster
Joe Chamberlain
Watsonville
F. E. Crews
Laton
Gilbert K. Davies
Cholame
Kenneth & Lilah Davies
X Bar D Ranch
Cholame
F. R. & Evalyn Farnsworth
Acehi Polled Herefords
Porterville
E. T. Foley
Santa Barbara
Arthur Forrester
Turlock
Cyrille O. Faure
Porterville
Giddings & Patterson
Porterville
Golden State Herefords
Oakdale
Paul Greening
Rolling Ridge Ranch
Pomona
Luther V. Patterson
Lindsay
W. V. Peterson
Sierra View Hereford Ranch
Fresno
Vern A. Pickrell
Diamond KR Ranch
Kingsburg
Roland Ramelli
Coyote
L. L. Shelley
Montague
Floyd Slocum
Hanford
E. L. & Alice Snow
Woody
J. P. Shannon
Arroyo Grande
Homer L. Sanborn
Meridian
Vanderhoof
Polled Herefords
Woodlake
Monte Young
San Simeon

MILLIONS
OF
DOLLARS

Yes! At Sacramento in November you will see the results and have opportunity to obtain the benefits from the MILLIONS OF DOLLARS California Polled Hereford breeders have put into seedstock for building this most modern of beef breeds.

3rd Annual Show & Sale

120
POLLED HEREFORDS
Sacramento, Nov. 11-12


Charles Adams, Auctioneer
Harry Parker, Judge

CALIFORNIA POLLED HEREFORD ASSOCIATION
For Sale Catalog, write: E. H. SPOOR, Sale Mgr., P. O. Box 553, Berkeley 1, Calif.
W. G. VOLKMAN, Jr. makes this statement about permanent pasture:

"We have reclaimed alkali land and made successful and profitable plantings of permanent pasture."

Mr. and Mrs. Wm. G. Volkmann, Jr. are the owners of Hacienda de los Reyes at Selma, California. The Volkmanns are prominent raisers of Aberdeen-Angus beef cattle and blooded stock. They have reclaimed many acres of land formerly heavy with alkali, under the guidance of Burle Jones. This land is now valuable pasture, supporting grasses and legumes which would not grow there before.

Volkman & Company’s quality seeds play their part in establishing successful permanent pasture. The correct selection of grasses and legumes, trueness of strain, high purity and high germination characterize Volkman & Company’s Seeds. Specify Volkman Company quality for your pasture plantings.

BURLE JONES
Our Specialist in Pasture Development
Former head of the California State Pasture Development Program, now associated with us as our pasture specialist. Inquiries invited. No obligation.

FREE PASTURE FOLDERS
Simplified but complete—free on request.

C. M. VOLKMAN & CO.
Quality Seeds Since 1863
54 UNION STREET • SAN FRANCISCO 11

ROYAL
Polled Herefords

With only a small, select herd, we always have a few top bulls and cows for sale. We are developing a show string from which you can select individuals too.

Visitors Always Welcome

ROYAL POLLED HEREFORD RANCH
 Breeders of Registered Cattle and Arabian Horses.
 Royal G. Tucker, Owner Kenneth Crippen, Mgr.
 3535 Folk Ave. Phone: Riverside 9496-J
 ARLINGTON, CALIF.

3 lb. orchard grass, 3 lb. ladino clover and 1½ lb. alfalfa per acre.

Besides their purebred and commercial cattle business, Markham is one of the leading vegetable brokers of the country, handling 3,000 carloads of lettuce per year. He also operates in the Imperial Valley and at Phoenix, Ariz., in January, February and March.

There is an old biblical saying, "One cannot serve two masters," yet Walter Markham operates two large, important, and complex businesses. How does he do it? By long hours of hard work, shrewd business deals, coupled with an approach that is scientific, practical, enthusiastic and optimistic. This is an equation that you might equal but you can’t beat.

How’s your I. Q. on livestock terms? Check correctly 4 out of 5 of the following, and you’re all right:

Maverick:

□ 1. A lame cow that falls behind the trail herd.
□ 2. An unbranded beef animal on the range.
□ 3. A cross of Longhorn and Brahman.

Gilt:

□ 1. A young sow.
□ 2. A cattle prod painted yellow.
□ 3. A convicted cattle thief.

Riata:

□ 1. A period of rest during the day on a cattle ranch.
□ 2. A rope made of hemp.
□ 3. A rope made of rawhide.

Thoroughbred:

□ 1. A cow that has been bred a number of times.
□ 2. A breed of horses.
□ 3. A word meaning “purebred.”

Garget:

□ 1. A saddle ornament.
□ 2. An instrument for treating bloat.
□ 3. A disease of the udder.

Answers on page 105.
IT'S a mystery how a cow-puncher can get falls from a hoss, maybe get his foot hung in his stirrup and dragged and not get seriously hurt and then have some little accident happen to him that is more painful. But more about this later on.

This has to do with old Uncle Bob who passed on many years ago. He and his family with 8 or 10 other families came out from Texas in the late 70s hunting a location for their little herds of cattle. In those days all Texans were screened when they crossed the state line into New Mexico. All those who had committed misdemeanors, such as cattle thefts and homicide, were allowed to settle in New Mexico or Arizona, but those who had committed felonies such as hoss theft were pushed on through to California or even to Oregon and Washington.

Stampede. Well one evening they pitched camp in the foothills and everything was made safe against Injun defraudations. Along about 10 o'clock a big cloud rose in the West so all hands were called out to stand guard around the herd. They knew they'd have a stampede. Soon the thunder rolled and the lightning flashed, and shore enough the cattle stampeded. Uncle Bob was riding hell for leather trying to get ahead of the crazy cattle to throw 'em into a mill.

He had to go just by hearing the cattle, couldn't see a thing only when the lightning flashed, and shore enough the cattle stampeded. Uncle Bob was riding hell for leather trying to get ahead of the crazy cattle to throw 'em into a mill.

The next morning they missed him and after taking the trail of the stampeded herd they looked in that prospect hole and there was Uncle Bob, and he was shore wanting out. After querying him as to whether he had found a suitable location they tied a couple of saddle ropes together and fished out his riding gear, then lowered the ropes and snared Uncle Bob. Now he was shore glad to get out of that hole. Well, they all settled just across the line in Arizona.

But the most painful accident of his life happened to him when he attended a dance and dancing the bare footed set he rammed his big toe in a knot hole in the floor. That was his most painful accident.
JOHN ROFER
says:

ACEHI
are the BEST
EVER for his
money—and
HERE’S WHY!

1. ACEHI bulls are range
raised under conditions similar
to his own—NEED NO ACCLIMATING.
2. He doesn’t have to feed
ACEHI bulls supplements in the
winter because they stay in good
shape on the native grasses—
GOOD DOERS!
3. Buyers come first
to the Rofer herd each spring because
they say his steers finish faster
for slaughter—BUYERS LIKE
CALVES BETTER!

Rofer brands calves by ACEHI bulls.

ACEHI bulls are available to you
now at the ranch. SPECIAL ACEHI
BULL OFFERING IN THE
MODOC CO. SALE, CEDAR
VILLE, OCT. 10.

F. R. & EVALYN
FARNSWORTH
Porterville, California
Route 4 — Phone White River 4-F-2

EXTRA FEEDING—Putting grain hay in creep feeders is a practice that has
brought good results for the McCreery Ranch at Tres Pinos, Calif. This photo,
taken in August, shows the calves in the creep to be almost yearling size,
bearing out the idea that extra feed makes extra weight. Maurice Frusetta
demonstrates how it is done.

Feeding Acorns—
California Stockmen Add Cheap Gains
With Acorns and Feed Supplements

By DON SMITH
Farm Advisor, Tehama County, Calif.

OLD Mother Nature appears to
be making an attempt at recon-
ciliation for her shady part in
a tough year for California livestock
men by loading the hill and valley oak
trees of Northern California with
acorns. Cattle and sheep men may not
be too happy over this delayed gesture
of good will unless early rains bring
green grass much needed by ruminants
forced to graze on dry feed and acorns.

When cattle get green feed along
with acorns, all is well; but if they do
not and are forced to graze them along
with dry washed-out grass for a con-
siderable period of time, they usually
become constipated, frequently get im-
paction and often go down. Cows and
ewes frequently will abort on this diet,
although ewes are seldom as hard hit
as cows.

Many Northern California stockmen
have reported considerable success,
however, in feeding cottonseed cake to
ruminants on acorns without green
feed. They state that droppings become
normal, good gains are made and abor-
tions and impactions prevented by the
addition of the cake.

Acorn Range. Cattle and ewes
which have never been fed cake should
be started on it at least two weeks be-
fore being turned onto acorn covered
ranges as it takes about that amount of
time for them to learn to eat it.

It is a little more difficult to get them
to take the cake after they have been
turned onto the acorns as cattle par-
ticularly seem to develop a ravenous
appetite for the acorns and do not learn
to eat the cake as readily as they would
had they been broken into it before be-
ing turned onto acorn sprinkled ranges.

Stockmen report that the blasted
acorns which drop first appear to cause
much of the damage, particularly to
cattle.

Ranchers lucky enough to have hogs
or fortunate enough to pick up some
feeders can just about figure acorns as
a gift from heaven when it comes to
putting on cheap gains. Twenty-four
cent hogs help, too.

Here again acorns are more valuable
if accompanied by green feed, but it is
possible to supplement them, if green
feed is lacking, with minerals, proteins
and Vitamin A and get about one-half
as much gain as one can expect from the
same amount of supplemented barley.

Acorn Content. Acorns are largely
carbohydrates and fats. From the
standpoint of minerals, proteins and
vitamins they are practically nil.
Lolo Stock Farm
and Bar Lo Ranch
Present at Auction...

Strong Mossy Plato 26th breeding
at the new Lolo Sale barn at the ranch

OCT. 28 . . . Lolo, Montana

15 Beautiful heifers of the right type—Bred to Trumode Domino 143d and FV Royal Topsman.

3 Good herd sire prospects.

SIRE OF CHAMPIONS

<table>
<thead>
<tr>
<th>King Domino 31st</th>
<th>King Domino</th>
</tr>
</thead>
<tbody>
<tr>
<td>2802796-122831</td>
<td>Lady Dom. 27th</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lady Domino 52d</th>
<th>Lady Dom. 35th</th>
</tr>
</thead>
<tbody>
<tr>
<td>3197750-145550</td>
<td>Lady Dom. 35th</td>
</tr>
</tbody>
</table>

10 Sons—Some real herd sire prospects.

10 Daughters—Bred to one of our good herd sires.

2 Heifers—Bred to D. K. Domino. One was reserve champion at the Tri-State Polled Hereford Association show and sale, Alliance, Nebr., and one is of Hervale breeding.

2 Open heifers

ONE OF THE JOHN RICE FAMOUS SHOW STRING

Pelato Domino 36th
M. P. Domino 2d
3093731-139910

Trumode Dom. 143d
M. P. Domino 2d
5257367-314960

Wyona Pal
M. P. Domino 2d

Ula M. P. Dom.
Ula Empress 2d
2696482-115027

LOLO STOCK FARM
Dick and Helen Rossignol
Lolo, Montana

BAR LO RANCH
Conrade and Mollie Heid
Davenport, Wash.
In order to learn more about the value of acorns as a hog feed, the University of California Extension Service in Tehama County conducted a carefully planned test with them several years ago. Prof. E. H. Hughes of the Animal Husbandry Division aided in planning the trial.

Keith Pitkin, a young Tehama County farmer who was operating the meadow ranch near Paynes Creek at that time, did most of the work in connection with it.

Objectives. The objectives of the trial were, first, to see if medium type hogs fed supplemented acorns to weights of 140 to 150 lb. would kill hard if finished on grain; second, to determine if hogs self fed acorns supplemented with a balanced barley mixture throughout the feeding would kill hard; third, to compare limited against a self fed grain mixture where hogs had free access to acorns; and fourth, to determine the feed value of acorns.

On Oct. 5, 22 uniform cross-breed Duroc Jersey Spotted Poland China pigs averaging 64 lb. each were selected for the test. All had been raised on the meadow ranch and were the same age and size. They were turned into a field containing ample acorns and green feed for 90 days.

On Jan. 5, when the test was actually initiated, these pigs averaged 105.4 lb. They had made a gain of 39 lb. each during this period at the rate of .4 lb. per day. Considering the fact that they had no shelter and were forced to weather some tough cold rains, this gain was not to be sneezed at.

The hogs were divided into four groups of five each on Jan. 5. Each lot was placed in separate pens and provided shelter. Lot one was given all the acorns they would eat in a self feeder plus a supplement containing 10% good alfalfa meal, 5% fish meal (a mixture of tankage and soybean would be cheaper today), 1 lb. salt and 1 lb. oyster shell flour. At the end of the initial 42-day feeding period when they were placed on a balanced barley mixture, they had gained at the rate of 1.2 lb. daily and averaged 137 lb. each. When slaughtered at the close of the next 40-day period on the balanced
Here's our richest offering of the

GET and SERVICE

of that champion and sire of champions

GOLD MINE

ANNUAL AUCTION  50 HEAD

OCT. 6  NORTH PLATTE, NEB.

KUHLMANN POLLED HEREFORDS that, time after time, have topped the shows and the sales. More important than that. In the hands of users (A LOT OF THEM ON THE PACIFIC COAST) these cattle are breeding on. You can depend upon them. They have the type! They have the fleshing quality! They have the heads! And they carry some of the most powerful, most consistent blood in Herefords today. For a new herd bull . . . for top bred females . . . for show prospects that really have the stuff . . . COME TO KUHLMANN'S OCT. 6. Write today for free, illustrated catalog.
barley mixture, they had reached a market weight of 196 lb. and had made an average daily gain of 1.48 lb. on the supplemented grain.

Test Fat Samples. A refractive index test made by the Animal Husbandry Division of the University of California at Davis on fat samples taken from the carcasses of these hogs proved four to be hard, one to be borderline or a little on the soft side, although it was not docked for being too soft. Hogs apparently can be fed safely on supplemented acorns to a weight of 140 lb. and kill hard when finished to market weights on grain.

The hogs in lot two averaged 107.4 lb. when placed on test and were self-fed a balanced barley mixture and acorns in separate feeders. They also had access to the supplement described above. When slaughtered 51 days later they had gained 84.4 lb. each at a daily rate of 1.65 lb. The San Francisco packer who checked them for softness graded one hard, three borderline and one medium soft; none was docked for being too soft.

To make this 84.4 average gain, they had consumed 241 lb. of grain mix, 4.6 lb. of supplement and 254 of acorns. Apparently hogs will make good gains when self-fed a grain mix and self-fed acorns at the same time and get by the packer.

Poorest Record. The five pigs in lot three which were fed a limited grain mix and self-fed acorns in addition to the supplement made the poorest record of all. They gained at the rate of 1.12 lb. daily and weighed only 161 lb. each at the end of the 51-day feeding period. One of these pigs died, but when the four remaining ones were checked for softness, three were hard and one medium soft, but none was docked.

Lot four was increased to nine at the beginning of the test and self-fed a balanced barley mixture. In 51 days they had gained 93.5 lb. at the rate of 1.83 lb. daily. Oddly enough, this grain-fed lot showed the only really soft hog from the packer’s standpoint. Seven of the remainder were passed as hard and one as borderline.

Incidentally, this lot which was fed...
EDELLYN ROYAL LEADER 21st
He needs no introduction to Western Shorthorn enthusiasts. Calves by this young 1945 International Congress Champion carry exceptional uniformity. His get has made nearly a clean sweep of ribbons wherever shown.

EDELLYN ROYAL LEADER 21st
We'll have our usual Top Consignment at the
CALIFORNIA SHORTHORN ASSOCIATION SALE
Madera, Calif., Oct. 21
... consisting of 10 young females, two with calves at sale, and 8 bulls.
The females are by Edellyn Royal Leader 21st, Golden Bull Royal Leader, (three-quarter brother of the 21st), Millbrook Diamond Type, Wheatland Monarch, Sn-A-Bar Count Mercury 2nd, Killearn Monarch 13th, and Aberfeldy Goldfinder. The two calves at side will be by Wheatland Monarch and some of the heifers will be bred.
The bulls are by the "21st," his half brother the "35th," Millbrook Diamond Type, Goldfinder Bull Royal Leader and Killearn Max. There are some dandy herd bull prospects represented.
At Santa Rosa, showing against four strong herds and four imported bulls, one of the best Shorthorn shows in recent years, we won grand and reserve champion bull, champion heifer and 11 of 14 firsts. At Turlock, we won all the championships and 12 of 14 blues. At Stockton, showing against one of the nation's strongest Shorthorn herds, we took 7 firsts, champion bull, reserve heifer and get of sire.
Many of these ribbons were won by animals selling in the sale at Madera, Oct. 21.
Increase the prestige of your output by putting these winning bloodlines in your herd.

Hal Williams
SIERRA VISTA RANCH - Madera, California
WALTER DAVIDSON, HERDSMAN
SHORTHORN
Establish ANOTHER World's Record

Another new world record price for feeder calves was set at the National Western Stock Show at Denver for the Grand Champion feeders over all breeds by a load of Shorthorns shown by Josef Winkler, Castle Rock, Colo. The calves averaged 454 lbs. each and sold at the new high of $77.00 per cwt. They out-weighed the reserve champions of another breed, of the same age, 71 pounds per head.

EXTRA WEIGHT makes bigger returns in the cattle business. Demand for Shorthorn bulls for cross-breeding is the greatest in modern history BECAUSE THEY SIRE BIGGER CALVES — both purebred and crossbred. Modern records, showyard competition and practical experience by all seasoned cattlemen prove conclusively that bigger calves gain and weigh more at any age. They make MORE EFFICIENT, MORE ECONOMICAL, MORE PROFITABLE use of all feeds and especially GRASS.

Many of the offering are offspring of animals purchased in previous sales, definite proof that those animals purchased are proving out.

Do you want to start a registered herd to meet the increasing demand of ranchers and farmers for sires that have scale?
—Start a Shorthorn Herd

Remember, You Sell Beef By The Pound . . . And Produce
The Top Shorthorn Bloodlines From Which To Select

Consignment of

RALPH W. MEHRTEN
Exeter, Calif.


Consignment of

RANK & SON
Fresno, Calif.


Consignment of

KATHARINE C. DUMONT
Solvang, Calif.


Consignment of

GEO. H. SAWYER
Waterford, Calif.


4TH ANNUAL SALE
Grading 1:00 p.m. Oct. 20
Selling 1:00 p.m. Oct. 21

CHAS. ADAMS
Auctioneer

WALT MCKELVIE
WLJ Representative

HORACE STRONG
LOUIS ROCHFORD
Judges

All Animals Selected by
CLEM LARSON
American Shorthorn Breeders Assn.

For further details, and the catalog, Write Today —
RALPH W. MEHRTEN, Secy.

CALIFORNIA SHORTHORN BREEDERS ASSOCIATION
Rt. 1, Box 239
Exeter, Calif.

Would more milk help your cow herd?
—Put in Shorthorn Blood

Are you short on weight-for-age in your calves?
—Put in Shorthorn Blood

Many More Pounds With Shorthorns
RANCHO SANTA YNEZ

Consigns 3 service age bulls to the California Shorthorn Breeders’ Association Sale...

Oct. 20-21 at Madera

These bulls are well grown out and ready to go to work.
Santa Ynez Beathom, Sire: Gloster Command. Out of Sierra Orange Blossom.
Altastar Bright Star, Sired by a son of an International champion.

K. C. DUMONT
Proprietor
Solvang, Calif.

Visitors always welcome at the ranch.

COVER YOUR HAYSTACKS with genuine sisal-reinforced — SISALKRAFT

EASY TO APPLY—LOW IN COST

Bulk or baled haystacks, covered with SISALKRAFT, are protected from rain, rot and sun-damage which cause loss of feed-value. Strong, waterproof, and so tough you can hardly tear it, SISALKRAFT paper will protect your hay. Use 6 or 7 ft. widths.

SEE YOUR LUMBER DEALER or mail this coupon TODAY

The SISALKRAFT Co., Dept. WLJ-1
55 New Montgomery St., San Francisco 5, Calif.
Please send sample and further facts about SISALKRAFT haystack covers.

Name:

Town:

RFD No.

State:

Tell your lumber dealer you must have GENUINE SISALKRAFT!

TECO PRODUCTS

NEW LOW PRICES on
Cattle Squeeze,
Calf Chute and
Cattle Stock...

TECO Cattle Squeeze

Your beef ranch equipment is incomplete unless you own a TECO Cattle Squeeze—nationally and internationally sold and used... Investigate the many needs we can furnish to save you time and labor, made by cattlemen for cattlemen.

Your inspection of our manufacturing facilities invited. Visitors always welcome.

THOMPSON & GILL, Inc.
Madera, California

a mixture containing 80 lb. of ground barley, 12 lb. of alfalfa meal containing molasses, 5 lb. of fish meal, 1 lb. of shell flour, consumed 439 lb. of feed per 100 lb. gain. They averaged 108.8 lb. at the beginning of the test and were killed at a weight of 202.3 lb.

Value of Acorns. While it was difficult to determine the actual feed value of the acorns from this test, one can safely say that when properly supplemented, good well filled acorns are worth at least one-half as much as supplemented barley when fed to hogs. At present prices of ground barley that would indicate a value of at least $1.25 per 100 and that is not hay when one considers that nature does all the work of production and the hogs do the harvesting.

With pork selling at 24c a lb. and hogs consuming from 600 to 800 of supplemented acorns each to each 100 lb. of grain, acorns would net a hog feeder somewhere around 3c per lb. on the ground or about the same amount as hogs brought at the bottom of the depression back in the middle '30's.

Considering the fact that large valley oaks often produce several hundred pounds of acorns, oak trees containing a good crop of acorns can make a hog grower a pretty penny this fall if they are properly supplemented.

"Sick" Wheat Problem

Wheat that has attempted to sprout and in which the germ has died because of a lack of oxygen is usually referred to as "sick" wheat. The germ is dead and the rest of the kernel has begun to deteriorate. It is especially troublesome to growers and millers of soft red wheat.

In meeting this situation, authorities recommend to dry all wheat immediately that contains over 14% moisture; then watch all bins of soft red winter wheat, have fat acidity tests made if it is suspicious, and do not turn wheat in warm, humid weather.
The horse show will share the arena with the rodeo, one of the finest in the nation. Some of the finest rough and tumble performers in the country are attracted annually to the Pacific International because of the size of the purses and the fact that the exposition is a member of the International Rodeo Assn. and the Rodeo Cowboys Assn.

Calf Scramble. Probably one of the top bits of entertainment at the PI is the wild calf scramble in which 4-H and FFA members compete. It is a part of each matinee and evening performance of the Rodeo and Horse Show. After the calves are turned loose in the arena, twice as many boys enter. They are equipped with halters and 10-foot ropes, not to be used as lariats. They attempt to catch the calves and put the halters over the heads. Calves caught within the time limit become the property of the boys who snare them. They must agree to fatten and show them at the following year's Pacific International.

The show again will feature animal husbandry student judging open to teams from any U. S. agricultural college.

CROSS-BREEDING DEMONSTRATION—Cattlemen around Monterey, Calif., last month attended a demonstration conducted by Farm Advisor Rube Albaugh showing the results of using bulls of different breeds on selected sets of grade cows. Included in the group at the Louie Echenique Ranch, San Lucas, where results of a Brahman-Hereford crossing were seen, were, left to right, Lynn Smart and her father, Les Smart, King City; Albaugh; and Nancy Pettitt, whose father, Jim Pettitt, King City, is in the second row.

Our Mark of Pride

Your Mark of Satisfaction

Priced to Sell!

34 head of Shorthorn cows, for delivery after October 15th. Your opportunity to get a good lot of producing cows, pasture bred to our leading herd sires, Mile-Away Royal Leader and Idaho Clipper Count. For your next year's breeding take along Lord Comet 3rd, a deep red coming two-year-old bull. He was bred in Wisconsin by Lambert M. Rohowetz.

REMEMBER . . . our new address:
Powell Butte, Oregon

Need Bulls?
We have 16 ready for service

Visitors are always welcome at
MILLOMA FARMS
"The Shorthorns of Distinction"
Millard R. & Oma L. Eakin, Owners
I.

“A story of that battle is included with names of the soldiers killed and has a photo of the battle monument.

Elizabeth Judson Roberts has contributed the Indian history. Henry G. Fenton’s story gives an interesting account of rural life in the 1880s. The purpose in compiling this book is to preserve the history of the valley in which she spent 61 happy years. The book contains more than 235 pages and is illustrated from old photographs. The price per copy is $2.50 plus eight cents sales tax.

“SAN PASQUAL, a Crack in the Hills,” just off the Highland Press, Culver City, Calif., authored by that very talented and lovely little lady, Mary Rockwood Peet. 230 pages, price $2.50 at your dealers or if you want them autographed by the author send your order and money direct to Mrs. Mary Rockwood Peet, 761 Fifth Ave., Escondido, Calif.

Mrs. Peet has lived 61 years in the home that her father, B. B. Rockwood, bought in the beautiful San Pasqual valley in 1880. He moved his family there two years later from Sweet Water Valley, 45 miles away. The family has owned and occupied this ranch ever since. I mention this to show that Mary Rockwood Peet grew up in San Pasqual valley and when she grew to womanhood married Everett Peet who became a successful rancher and dairyman. I met them both July 10-11 at the annual old timers’ picnic that Henry G. Fenton sponsors and pays for every year.

“SAN PASQUAL, a Crack in the Hills” is the history of San Pasqual Valley from Indian legends through pioneer days to the present time. The Battle of San Pasqual was the bloodiest encounter ever fought on California soil. It occurred Dec. 6, 1846, during the war with Mexico.

Here is a lady who offers some suggestions for correcting the injustices that our Indians are receiving from our government. Read it. Quote: “To the president, the congress and the citizens of the United States. Honorable Sirs and Fellow Citizens: I am not a learned legislator but a retired school teacher who, for 30 or more years, tried to guide the minds of children. I well recall when I was provided with a toy tipi and canoe and told to teach my class something about the American Indian.

“The ridiculous thing was that I knew as much about the history of the Indian as the other teachers, which

The Diamond S Ranch Herd of Shorthorns is Offered Privately

30 Cows of All Ages
4 Open Heifers ready to breed
3 Heifer Calves still on their dams
16 Head of the 1949 Bull Calf Crop
12 Yearling Bulls for herd and range use
1 Herd Sire—Hillbrook Master-stroke, second in class to the Grand Champion at the International Shorthorn Congress, Chicago, in 1945. Proven a good sire. Right in every way.
Modern in type.

George H. & Wesley N. Sawyer, Waterford, Calif.

This herd was founded in 1920. The bloodlines represent the best families of the breed in the West. Herd in good breeding condition.

Reason for selling: 140 acres of our best feed ground are going for dredging. Our cattle holdings must be reduced.

These Registered Shorthorns will be offered in lots to suit buyers. The herd has not been picked over.

Visitors welcome to see the cattle at any time. Phones: 4361 and 4365.
was nothing. Of this I was a little ashamed. But now that I have leisure time to conduct an intelligent investigation into the subject of the American Indian, I am more ashamed than ever. More than that, I am appalled at the stupidity, and the cupidity, of our commonwealth for keeping the native American in a state of ignorant bondage. Therefore, as a freeborn and white citizen I ask:

"Since the Indian under the bureau has made no progress that the bureau be abolished as a failure; that we do not wait any more years—not even another 10 years—to do away with a bureau that is not only detrimental to the Indian but costly to the white taxpayer; turn the millions now paid out for white overseers into an educational program for the benefit of long neglected Indian children; and in the meantime, set up strong legislation that will forever protect the Indian from the covetous white man; and give us text books for our public schools so that we will be able to break down the wall of ignorance that stands between the Indian and the white citizen.

"Let us do these things and then we will not be a living apology to Lincoln. May I have the pleasure of your reply. Yours truly, Esther G. Dana, 1055 No. Kingsley Dr., Los Angeles 27, Calif."

I AM ALWAYS GLAD to get letters from Ike Blasingame and his lovely talented wife Clara, both of whom are real Western cattle folks who know Indians and help them when possible. Here is a recent letter from Mrs. Blasingame that I give you all for your reading pleasure. "Dear Mr. King: Thank you for your letter which came tonight. I am surely glad you like our Indian's drawings and that you will use part of the material in your Longhorn section of the Western Livestock Journal.

"You may be the cause of his getting lined up with a good job. I am hoping to get him in on the illustrating work, but I hate the short hours!"

SEPTEMBER 1849
FIRST BRAHMANS LANDED IN THE UNITED STATES

FISHER RANCH BRAHMANS
may not be "Mayflower Brahmans," but the majority of the famous BRAHMAN SIRES of FISHER RANCH do come from the oldest line of continuous Brahman breeding in the Western Hemisphere.

Choose UNIVERSAL BRAHMAN CATTLE with both beef conformity and best blood lines from the West's largest registered Brahman breeder.

BLYTHE WAYNE H. Fisher RANCH CALIF.

Registered Beef-Type
Shorthorn Cattle
Bulls and Heifers for sale.
Visitors welcome at all times.
RANCHO SANTA YNEZ
Solvang, California

Be Sure . . . . . . . .
Your Quarter Horses
Are Represented in October
Western Livestock Journal
CLOSING DATE: SEPTEMBER 28

Western Livestock Journal
WEEKLY AND MONTHLY PUBLICATIONS

Only $3 a Year—$5 for Two Years
—Again we are consigning to the Cow Palace Sale

**TOP INDIVIDUALS** and **TOP PEN LOTS**

We are offering two pens of three bred heifers which we feel are good enough to go into any herd. For foundation stock they would be the right start. These females are bred to such outstanding bulls as Prince Barmar 2\(^2\), grand champion bull at Cow Palace in 1946, and to Even Longview, a Bandolier bred bull that is doing the right kind of a job.

One pen of three bulls which we guarantee will speak for themselves. They are the right type.

In Eric Quality 4\(^4\) we are offering a real herdsire prospect. A Palomar bred bull from one of our consistently top producing cows.

---

Look us up at the Cow Palace and we will be glad to talk with you.

THOS. R. DEMPSEY, Owner,
Pacific Mutual Bldg., Los Angeles

KEN GROSS, Manager, Pala, Calif.

---

**PALOMAR ANGUS RANCH**

Rancheria Angus Exhibited These Champions 
LAST YEAR 
At Portland

**ALSO WE HAD**

Reserve Champion
Bull

AND WON
MANY OF THE
Blue Ribbons

**Rancheria Angus**

We’ll be back Again This Year Oct. 7 to 15

---

**Selling Oct. 11.** (1) a junior yearling bull by Illustrious Thickset S.2\(^2\). Also a senior yearling heifer by the same bull. A junior yearling heifer by Elban’s Escort, out of the show string. She’s a half sister to last year’s Portland champion. Look us up at Portland.

---

Rancheria Angus
Charles & Catherine Ryan
Anderson, Calif.
of a Western ranch story I have written and which is now being edited for a final typing by a well known writer and editor who also likes his drawings.

"Mr. King, I want to clear up the confusion of the signature on the letter I wrote you when I sent the drawings and which I'm sure I am to blame for. I am sorry about it. You see, I am Mrs. Ike Blasingame but I also often use my own name (C. M. or Clara M. Blasingame) when writing something sort of on my own, like stories, articles, etc.

"Ike and I like your stuff mighty well, Mr. King, and we are especially with you on your stand for the Indians. It's a tough job you've buckled into but it's getting results. Thank you again for the boost your are giving our Indian friend. With all good wishes to you and your Sophie, Sincerely yours, C. M. Blasingame," Unquote.

A friend of ours has a way of assembling his own car from second-hand parts over there in Burbank, Calif. When asked what it cost him to make a whole car of broken parts, he answered, "Not a cent—I live near a railway crossing."

Centennial—
Colorful Pageant Will Tell Brahman Progress

On a hot September day a century ago, America's first Brahman were landed on the docks of Charleston, S. C. Late this month, a pageant depicting the costumes and character of Charleston in 1849 will illustrate the landing of these "Mayflower Brahmins." Leading animal husbandmen, agricultural scientists and men from five continents will tell in a series of Brahman Centennial conferences what has been done to perpetuate and expand the work begun a century ago with two Brahman by a widely known Carolina plantation owner who is today con-

**SPRAY-DIP**

Scientifically Controls FLIES, LICE & TICKS

Parasite infested livestock, when completely saturated with the right chemicals by the Spray-Dip method, are rid of profit stealing external parasites (lice and ticks) in one application. Run-off solution, wasted by other methods, is recovered, filtered, and re-used by the SPRAY-DIP... one of the many features that make the Spray-Dip outstanding for speed, efficiency, economy.

*Write for FREE catalog*
Free Catalog, specifications, operating procedure and name of nearest dealer furnished upon request. Inquire about a FREE demonstration in your area.

LIVESTOCK SPRAYER MFG. CO.
771 COLEMAN ST. • SAN JOSE, CALIF. 4701 LAFAYETTE ST. • DENVER, COLO.

WALTER E. PALMER Livestock Auctioneer Licensed & Bonded
Today merchandising purebred livestock is as important as breeding and feeding. Arrange your sale date early.

5170 Edgewood Place, Los Angeles 35 Phone WAlnut 2529

OAK PARK RANCH
Aberdeen ANGUS Cattle
Heading for Portland Oct. 7-15
SELLING THERE, OCT. 11
1 Junior Yearling Bull
1 Senior Yearling Heifer
Both by Epic Revolution 3" 610839, the bull whose get has been so consistent in winning at California Shows this year.

14 TWO YEAR OLD BULLS FOR SALE
AT THE RANCH
C. M. McDOWELL
RT. 2, BOX 176, ORLAND, CALIF.
CATTLE FEEDERS
Are You Interested in QUICK RESULTS?
Let Us Help You Make -

★ FASTER GAINS!
★ MORE PROFITS!
★ IMPROVED FEED!

A Roberts Mill for every use for large or small operators.

ROBERTS HAY and GRAIN MILLS
Complete line of MAN-SAVING Feed Yard Equipment, including Bale Breakers, Magnetic Separators, Molasses Mixers, Pumps, Motors and Heaters, Barley Rolls, Steam Generators, Conveyors, Elevators, Electric Motors, Grain Storage Tanks. Building plans for your own construction or our experienced engineers will build a complete plant. Write or phone for one of our representatives to contact you.

Exclusive Distributors
Over 25 years Experience

JOHN W. WILLIAMSON & SONS
LAfayette 0119 5715 Atlantic Blvd. Maywood, Calif.
After 4:30 Phone AN 1-3725 — UN 1-2277 — AT 2-2998

Help Winter Crops Thrive

Speed Germination—promote steady growth with

SPEEDLOC ALUMINUM PORTABLE SPRINKLER IRRIGATION SYSTEMS

EXCEL IN FIELD OPERATION
Twin latch couplings
Risers always remain upright
Ample Contour Flexibility
Maximum Coverage with Minimum Pipe
Quickly—Easily moved

You get more because we put more in it

Act Now
MAIL COUPON TODAY

PACIFIC PIPE COMPANY
409 Folsom Street • San Francisco 5
Please send illustrated SPEEDLOC folder

Considered the early dean of our nation's agricultural science.

In Charleston a hundred years ago the talk of California's gold rush was relegated to a secondary place, for the citizenry was flocking to the docks to see an assortment of oriental animals, including sacred cattle, long-haired goats and other unusual birds and animals, which had been shipped in by Dr. James Bolton Davis.

The talk centered on a strange pair of cattle with gray coats which stretched up into humps over their shoulders. It was said that these cattle came from India where they were considered sacred by millions of Hindus.

Dr. Davis had received international recognition as an agricultural scientist, and had been chosen by President Polk to act as agricultural advisor to Sultan Abdul Medjid, of the great Ottoman Empire when that great despot appealed to President Polk to send America's leading cotton expert to train the Turkish natives in methods of cotton culture.

Answers Curious. The hum of curiosity was stilled by a sight of the hulking form of Dr. Davis unwinding itself from a carriage and striding up the dock. The great, near great and merely curious of Charleston flocked around him, seeking facts about the animals.

Dr. Davis explained that he had traded a pair of the Angora goats to the Earl of Derby for the humped bovines from India. These cattle were then in the London Zoo.

When asked what good the Zebu could be to the Southern plantation owners, Dr. Davis pointed out that the animals perspire like horses and should adapt well to hot weather. Of added advantage, he said, was the greater size of their offspring when crossed with English cattle.

A real demand was generated for the crossbred bullocks which Dr. Davis had developed. In fact there was such insistence for animals from many places that Dr. Davis finally yielded to a purchase offer of $4,500 from a Shaker settlement in Kentucky and parted with his original pair of Brahman.

In recognition of Dr. Davis' contributions to American agriculture he was awarded numerous medals, cups and memberships in many of the nation's scientific societies. Much has happened to American agriculture since that memorable September day a century ago. The memory of Dr. James Bolton Davis has faded for most Americans, and it is just and fitting that Charleston again will ring to his praises when the Brahman Centennial stage is set this month.
ANCHO JAMUL, an historical every-day rancho is now owned by that famous son of San Diego County, George R. Daley, who was born of hard working parents, but by hard work and keen business sense and by keeping continually busy he has amassed a fortune, owner of several ranches, including the famous old Jamul ranch, originally granted to Don Pio Pico in 1829, but more about that later in the story.

When me and my little Sophie attended the old timers' picnic at Henry Fenton's ranch in beautiful San Pasqual valley the 10th and 11th of last July, we were guest for a day and night of George Daley and his pretty little wife, Marion, and were driven over this Jamul spread, which has been enlarged from the original 9,926.22 acres southeast of San Diego Pueblo granted to Pio Pico in 1829 by Governor Echeandia to the present size of 14,000 acres of highly cultivated lands.

In 1831 the grant was confirmed. Andres Pico, Pio's brother, was in charge at Jamul from 1836-1838, during which time the ranch house was attacked by Indians. All were killed at the ranch except one girl who escaped to San Diego.

Around 1890, the squatters came. At one time there were 13 American squatters, when the ranch was owned by Mrs. G. Burton, widow of the one time Commandant at Monterey and daughter of Miguel de Pedroreno. A romantic novel, entitled "The Squatter and the Don," was written in 1885 by C. Loyal. It tells of the squatters at Rancho Jamul.

In 1828, the ranch was purchased by George R. Daley, the present owner. Mr. Daley has increased the acreage to 14,000. Jamul Ranch House, which has recently been remodeled, is supposed to have been built in 1852, but prior to that, there were several small adobe buildings at Jamul where the Picos and their servants presumably lived. They have melted back to the soil but the tall ancient palms at Jamul are believed to far out-date the present adobe ranch house.

OUR GOOD FRIEND Roscoe E. Hazard handed me a clipping taken from the Southern California Rancher prepared at the direction of Guard D. Dunn, president and general manager of the San Diego Tractor and Equipment Co., Inc., distributors of Caterpillar, Diesel tractors and other power farm equipment, which gives a heap of history of Jamul Ranch and San Diego that is interesting and historical. So I am herewith using most of it, as follows, to-wit, quote:

"Long, long years ago, the Dieguenos Indians roamed the hills and valleys of what is now San Diego County..."
Hacienda Angus

It's TRUE!

We Continue to Breed Champions!

We consign only TOP cattle to PCAA Sales

HACIENDA ANGUS

ARE CONSIGNING 3 TOP HEIFERS TO PCAA Sale TO BE HELD IN CONJUNCTION WITH THE PACIFIC INTERNATIONAL IN North Portland, Oregon, Oct. 11th.

HACIENDA'S BARBARA 48" 1072878 (see picture), calved Oct. 12, 1947. This outstanding senior yearling heifer from our strong show string was sired by our late great herd sire, Bar Woodlawn, son of the famous Postelmere, who at one year of age was the winner of 4 grand championships, 2 reserve championships and 14 firsts on the national show circuit, and whose pedigree traces back to the Internationally famous bulls, Eileenmere 32" and Blackcap Revolution. A son of Bar Woodlawn was California State Champion in 1948 and sold at the Cow Palace last November to Mrs. Margaret Austin of Dry Creek Ranch, Solvang, Calif. for $2500. Bar's daughters have been averaging over $1000 per head at Association sales. This is one of your last opportunities to secure one of Bar Woodlawn's good progeny. The typy dam of Hacienda Barbara 48" is one of our good brood cows of the famous Rosemere Barbara family. The dam is also rich in Earl Marshall and Eileenmere blood. Hacienda's Barbara 48" was bred on July 3rd and is safe in calf to our new Junior Herd sire, Erienmere E.B. 2d, grandson of the famous $30,000 J. C. Penney herd sire, Erienmere 487th. Calfhood vaccinated.

HACIENDA'S PRIDE 57" 1075174, calved May 1, 1948, was sired by Kadet Pride, grand champion bull at the 1947 National Western Show at Denver, descended from the International champions, Bar Marshall and Playman of Sunbeam, and is out of a good Bell Boy M. K. dam. This excellent young heifer is truly bred right and will make a great foundation cow. Calfhood vaccinated.

MISS BURGESS OF HACIENDA 1118329, calved September, 1948—This excellent senior heifer calf is sired by Erica 35" of Page, son of the famous double bred Blackcap Revolution Hartley bull, Edellor of Page 49", and is out of a good Miss Burgess dam who traces her illustrious pedigree to Bell Boy, M. K., Eileenmere 15", and Earl Marshall. Calfhood vaccinated. Sells open.

Hacienda de Los Reyes

"IN THE HEART OF THE FERTILE SAN JOAQUIN"

Mr. and Mrs. Wm. G. VOLKMAN, Jr.
Mr. and Mrs. George R. Daley are pictured here in front of a portion of the ranch house at Rancho Jamul, San Diego.

—hunted, fished, lived in indolence and ease. When the Spaniards first came, they found many of the natives grouped together in what the newcomers called ‘rancherias,’ and among such was a settlement known as Jamul—interpreted by some as meaning ‘good-water,’ but in the native tongue, ‘water of the antelope.’

“It was situated in the beautiful rolling lands south and east of the present city of San Diego, and today is the country home of George R. and Marion Daley, well known San Diegans. Mr. Daley is one of the state’s largest contractors and users of ‘Caterpillar’ power.

“Beautiful, quiet and restful as Jamul is today about it have centered some of Southern California’s wildest scenes, and if the old, old trees which shade the adobe ranch house could only speak they could tell tales that would rival the most blood-curdling books ever written.

“Rancho Jamul came into being as a Mexican land grant during the administration of Gov. Jose Maria Echeandia, the original grant being to Pio Pico in 1829. The grant comprised 9,926 acres, according to the records of the Union Title Insurance & Trust Co., and was confirmed to Pico in 1831. Quite evidently he established a home at the rancho soon afterward and built some small adobes whose crumbling walls are still to be found. It is related that his brother, Andres Pico, was in charge of the property from 1836 to 1838, with one Leiva acting as major domo.

**In 1876 THE ranch was patented to the wife and relatives of Miguel de Pedredona—early day merchant of the little village of San Diego. Years later it became the property of John D. Spreckles, who sold it to Louis J. Wilde—a former mayor of San Diego who planned to convert Jamul into a wild west dude ranch and motion picture setting—but never accomplished his aims.

“Next, a part of the ranch was planted to fine Turkish tobaccos. Afterward it passed to Rube Harris, then to Judson & Robinson and to Baron Long, in 1924. From him, the Daleys bought the property in 1929. They, appreciating the great historical value of the setting, restored the old ranch house and in 1938 it was officially dedicated as an historical monument by the Native Sons of the Golden West.

“Mr. Daley has enlarged the original ranch holdings until they now comprise 14,000 acres of rich rolling land, on some of which graze fine herds of black Angus cattle while several thousand acres each year are planted to grain and beans.

“The cattle at the Jamul and Bernardo ranches of the Daleys are branded with the Daley brand—a D surmounted by a crescent. The old Pio Pico brand was a peculiar design somewhat like an ox yoke from which was suspended a heart-shaped loop.

“In addition to the now well preserved large ranch house there are several smaller adobe buildings on the property and the ruins of still others that no date back to the first occupation of Jamul by Pio and Andres Pico. Quite possibly, in some of these old buildings, the brothers plotted both against the natives and their political enemies in the North.

“A group of very ancient eucalyptus trees is near the house, as well as one of the oldest and tallest palm trees in all California. Some people say it is even an older tree than the Serra Palm at Old Town, which dates (supposedly) from 1769, but by whom it was planted or how it got to Jamul no one knows. Nor does the old wisteria vine tell its age but it must have lived through many stirring events in the life of old Jamul.

** **

**HISTORY AND legend of these distant years at the rancho are vague, but early in 1837 there was an Indian uprising throughout the valley and a vicious attack was made on the ranch buildings and the white settlers clustered there. Leiva and three others were killed outright, and his two older daughters were carried off, never to be seen again.

“His wife and a younger daughter were held by the natives for a time, then released through the intervention of an Indian servant who had remained loyal to the rancho during the uprising. The massacre, like that at old Mission San Diego de Alcala in 1775 and at Warners Springs Rancho in 1851, are among the dark pages of San Diego County history.

“Pio Pico was governor of Mexican
California in 1832 and 1833 and again for a few months in 1846—thus being the last of the Mexican rulers of Alta California. Born May 5, 1801, and living to the ripe old age of 93 he was an inveterate gambler, but almost always a heavy loser.

"Once, in addition to Jamul, he owned a half interest in the vast Santa Margarita Rancho and had 8,000 acres on the San Gabriel River a little way above the present city of Whittier, El Ranchita, as he called his northern home, is preserved as a Pico memorial as he lived there after his experiences in Jamul and Santa Margarita. He died, however, at the home of a friend in Los Angeles, poverty stricken.

**ABOUT THE TIME** of the massacre at Jamul, Andres Pico took part in an abortive insurrection led by the Carrillo brothers to oust Gov. Juan Batista Alvarado and after a bloodless battle at Las Flores (a few miles above the present bustling city of Oceanside), Andres Pico and other leaders were captured and placed in the keeping of General Vallejo in far away Sonoma.

"According to the historian McGroarty, Vallejo in the north and Pio Pico in the south represented the sum total of cruelty to the hapless Indians who crossed their paths. McGroarty claims that one of Pico's first acts when he became Governor just before the United States in 1846, Vallejo landed in prison and the wiley Pico vanished for a time.

"California became part of the United States in 1846, Vallejo landed in prison and the wiley Pico vanished for a time. Presumably he went to Mexico, but one is led to wonder if he might not have been in hiding part of the time at least at Jamul, so near the Mexican boundary that it was far safer than El Ranchita or Santa Margarita. Anyhow, he appeared at Jamul a few years later and built the present big adobe house there in 1852.

"But the old Mexican ways of life were passing and the Indians were given at least the semblance of protection by the new American owners of Alta California. Then came a new chapter in the history of Jamul, when white settlers attempted to pre-empt the Mexican lands and there ensued pitched battles between the last old Dons and the white. In mysterious attacks, never fully explained, several of the squatters were hanged on the old trees not far from the Jamul ranch house, and the plot of the book "The Squatter and the Don" centers around Jamul."

Mr. R. E. HAZARD supplied me the following information about Mr. Daley: "Dear Frank: I saw George Daley today and showed him your letter requesting more information on his operations.

"Daley started 'bare hands' on a small ranch north of Escondido in this county. He has been a very successful engineering contractor for about 25 years—highways, city street paving and large grading operations. He has three big ranches which he calls Ranch No. 1, 2 and 3. He raises black Angus cattle and they are purebred.

"The No. 1 Ranch, where he was born, has been expanded into 7,000 acres (cattle and grain ranch); No. 2 Ranch is called the Bernardo Ranch between Escondido and San Diego—9,000 acres grain, some alfalfa and grazing land; No. 3 Ranch-Jamul, where you stayed. He has expanded the old original Spanish Grant to 14,000 acres. You saw what he was raising—grain, corn, alfalfa and cattle grazing.

"With the historical data in the paper that I got for you, about the Jamul Ranch, and the above items about Daley's other operations, I know you can put together a story that will be flattering to him and pleasing to his friends here and elsewhere."

---

**Selling OCT. 11 at the Pacific International ANGUS Sale**


**ONE JUNIOR YEARLING BULL.** Sire: Blackbird Bandolier 3rd. Dam: Blackbird's Lass G. 6th. A grand pair with the size and smoothness demanded by western cattlemen.

**HENRY & STEPHENS GOODING IDAHO**
See Our Show Herd at the Pacific International!

Our Thanks!

to these buyers from three states who purchased cattle at our Aug. 29 sale:

E. P. Etheridge
Chehalis, Wash.
C. E. Black
Chehalis, Wash.
Spring Meadows Farm
Owego, Wash.
Lawrence Berg
Grandview, Wash.
K. Koonrad
Ellensburg, Wash.
Donald V. Parcer
Rainier, Wash.
Coulter & Scott
Sequim, Wash.
Elk Heights Ranch
Cle Elum, Wash.
George Dahlberg
Claskanine, Wash.
M. Gordon Egbert III
Winlock, Wash.

O. T. Defieux
Camas, Wash.
J. C. Worthington
Fort Blakley, Wash.
Black Angel Farm
Garfield, Wash.
Robert Gaston
Astoria, Ore.
J. B. Lower
Rainier, Wash.
James Anderson
Puyallup, Wash.
Ben Hilton
Grants Pass, Ore.
G. J. Klose
Grants Pass, Ore.
H. L. Lamberston
Fort Orchard, Wash.
R. L. Rutter
Ellensburg, Wash.

BARRY 2nd
of
Wilton
Our Sire
of
Champions

Featuring the get of BARRY 2nd of WILTON, our great herd sire by Blackcap Barry by Bandolier of Anoka. You'll like the smoothness, good heads and thickness of these cattle.

We also plan to exhibit at the San Francisco Cow Palace, Oct. 28 through Nov. 6.

Selling Oct. 11 at Portland

An outstanding heifer sired by Barry 2nd of Wilton—our sire of champions.

Mr. and Mrs. A. L. Hamilton

Hamilton Meadows
Chehalis, Washington
The Type Is Right
Selling a choice Female at the "P-I" Angus Sale
Oct. 11
We have more at home like her!
SAN JERONIMO RANCH
Ed. Biaggini
Cayucos, Calif.
San Luis Obispo County

SAN JERONIMO RANCH
Ed. Biaggini
Cayucos, Calif.
San Luis Obispo County

BREEDERS SUPPLY CO. COUNCIL BLUFFS IOWA

BAKERSFIELD FULL CATTLE SHOW $2.50 COMPLETE INC. ADDRESS FROM PAGES 1 TO 10 BOTTLES OF INK

CATTLE BLANKETS
Made from quality materials, expertly tailored, all sizes. Prompt service. Write for circular and prices.

NECK CHAINS
1. Case hardened chain.
2. Solid bronze number plate.
3. Key ring fasteners.
4. Priced reasonable.

FREE CATALOG
Illustrating neck chains, ear tags, marking devices, syringes, veterinary instruments, brushes, combs, clippers, horns and hoof tools, remedies and hundreds of items for the stock raiser. Write for it.

LUCE ANGUS RANCH
MERCED, CALIFORNIA
Top quality, pasture raised breeding stock for sale.

Visitors always welcome
WILL WYRE, Mgr. Phone 3-J-12

ROCK RIDGE RANCH
REGISTERED ANGUS
Weaners to service age. Bulls for sale.

ERVA RADLEY SULLIVAN
P. O. Box 503
Madera, Calif. Ph.: 322-34

Freedom from hail damage. In many parts of the country hail causes serious damage to many crops and may completely wipe out the farmer's income for the year. With permanent pastures only minor damage can be done and in a few days the pasture is as good as before.

Freedom from rain damage. There is no such thing as rain damage to permanent pastures and we know that many of our crops can be and are ruined by rain coming at the wrong time, particularly at harvest time.

Quality Ensilage. A well balanced permanent pasture makes excellent quality hay with heavy production, but in areas where there is danger of rain damage and the farmer or rancher desires to store his crop for future use, silage can be made instead, as well balanced permanent pasture mixtures with a liberal supply of grass in the mixtures make a very fine quality of ensilage and it contains a much greater percentage of digestible nutrients than does high quality hay. A pit silo can usually be made quite economically, so there is no great expense involved in preparing to store the ensilage.

No. 7 on my list is freedom from damage by dust storms. We all know the damage that dust storms can do in ruining newly planted crops, causing the farmer much additional expense in replanting his spring crops and getting them off to a good start. If permanent pastures are planted in the early fall, they usually can be established without the constant worry of being wiped out by a dust storm and the expense of replanting. After once being established, there is no more worry about the crop being wiped out, as one planting will last for as many years as the owner wishes to keep it, providing

Bald Fact
By S. OMAR BARKER
I haven't a tenth as much hair on my head
As I had a few years ago, but it
Appears that all barbers would rather drop dead
Than charge me less money to cut it!
it is well cared for and liberally fertilized every year with a well balanced commercial fertilizer.

Freedom from Soil Erosion. There is no other crop equal to permanent pasture for preventing soil erosion. The grasses and clovers act as a sponge to hold the water where it falls and, since the land does not have to be cultivated each year in preparation for planting as is true with other crops, the permanent soil will prevent soil erosion continually.

The terracing machine developed by Soil Conservation Service research in Tucson, Ariz., has proved of great value on the range for holding excess moisture to establish good stands of permanent pastures. Also the contour cross furrow system which we developed in south Texas in the fall of 1948 is proving excellent for holding heavy downpours of rain right where they fall. This gives the plants the benefit of a great deal more of the water that falls and greater protection against the possibility of erosion during heavy rains.

Freedom from soil depletion. Permanent pastures add much humus and nitrogen to the soil. The humus melts the soil and puts it in excellent condition for future cultivated crops to be planted after the pasture is plowed under, if it ever is; but do not forget that permanent pastures, while in production, MUST have the annual application of a well balanced commercial fertilizer in liberal amounts for maximum production. Even though the permanent pasture produces humus and nitrogen for the future cultivated crops, it still must have added to it a liberal supply of the various fertilizer elements in which soil tests show the field to be deficient such as phosphorus, potassium, calcium, sulphur and certain of the minor elements so important to plant and animal growth. Again let us stress the importance of adding nitrogen to the pasture along with the other fertilizer elements. As stated before, and we want to impress it upon you, the nitrogen supplied by the growing clover is released only when the plant dies or is plowed under, thereby benefitting the following crop.

Freedom from Harvest Labor. Think of the big relief of no harvest labor, meaning no crop harvest payroll to meet, no strikes to worry about, no rain or fire damage to the harvested crop. Please remember this motto, “Employ your livestock as harvest labor.” They will gladly do it for you and demand no pay nor threaten you with strikes.

Freedom No. 11 is freedom from worry. What could be a greater relief for a person than the “freedom from worry”? You would not have to worry about a financial loss on the crop from...
Western Livestock Journal's

*Horse of the Month*

**RED FLASH**

Owned by Adohr Farms
Camarillo, Calif.
Horses and Horsemen
Edited by Bill Smale

In the face of softening horse prices the past two and a half to three months comes reports of increased interest, particularly in purebred horses for breeding and show purposes. Thoroughbred prices seem fairly steady, but not at the extreme high prices of a year ago, when the Mayer stock went under the hammer. Quarter Horses and Arabsians seem to head the list in private sales recently in the West with Quarter Horses having the advantage of auction sales markets not yet developed for the Arab. American Saddle Horse demand had a recession the first part of this year, even more horses and exhibitors reporting after them than in the past fifteen hands, is a chestnut and embodies much that is highly desired in Morgan horses with a long hip, deep, full barrel, good legs and particularly quiet disposition. He is stabled at M. R. Valdez' in North Hollywood.

Ed Flash MHR 8416, our Horse of the Month for the 10th Annual Morgan Issue, owned by Adohr Farms, Camarillo, Calif., has made an interesting record in the show ring these past two years, shown by M. R. Valdez. In 1948 he was champion Morgan stallion at the Los Angeles County Spring Fair, Bellflower and the San Fernando Valley Fair, Devonshire Downs. He also won his class at Monrovia and Santa Barbara Fair. This year he was second at Bellflower and again won at Santa Barbara.

Foaled in 1940, he is sired by Colorado MHR 8173 by Raven Chief MHR 7116 by Morgan Chief and of Louisa MHR 04075 by Woodrow Wilson MHR 6290 by Headlight Morgan. Flash's second dam is by a son of Jubilee de Jarnette. He was bred by Berman Stock Farm, Pacoima, and sold to Lloyd Corporation at Ventura in 1942. In 1946 Adohr Farms purchased him to use as a stock horse sire. He stands 15 hands, is a chestnut and embodies much that is highly desired in Morgan horses with a long hip, deep, full barrel, good legs and particularly quiet disposition. He is stabled at M. R. Valdez' in North Hollywood.
Performance Tests—
Correlative Studies with Morgans Hold
Value for Breeders of Saddle Horses

By EARL B. KRANTZ
Office in Charge, U. S. Morgan Horse Farm
Middlebury, Vt.

Performance tests with Morgan horses began as a project in 1940 but it must be remembered that performance of Morgans has been considered of utmost importance in our Morgan horse breeding work since the establishment of the Morgan Horse Farm in 1907. In the 1907 report of the chief of the Bureau of Animal Industry, for example, it was stated that the aim of the study at Middlebury was to preserve the Morgan type at its best, keeping the splendid conformation, spirit and endurance for which these horses are famous, eliminating weak points and improving action.

Leaders of the project stated that “A good horse is a good horse” regardless of breed or registration. In 1910 Rommel wrote that the test of the worth of a pedigree was the animal it produced and that the improved type of Morgan horse must be based on standard market requirements.

Value for Saddle Use. While the Morgan horse was primarily a harness horse at that time, and while the men in charge of the work did not lay particular emphasis upon Morgans for saddle purposes, no doubt they felt that the future of the Morgan lay in its value for saddle use. This is shown by the selection of General Gates as the first premier sire at the farm and the use of Mrs. Culvers as one of the first brood mares. General Gates was sired by a registered Morgan but out of Fanny Scott by Revenue, Jr., a Thoroughbred son of imported Revenue. His second dam, however, was by Copperbottom, one of the early important Morgans. Mrs. Culvers, on the other hand, was a registered Kentucky Saddlebred mare, but her sire, Harrison Chief, was by the registered Morgan, Clark Chief, and her dam was by the registered Morgan, Cabell’s Lexington.

It was from these mixed sire lines that Bennington was produced, which stallion, mated with the straight Ethan Allen-bred mare Artemisia, produced those great-performing Morgan stallions Mansfield, noted in Eastern sections, and Querido of California and Roland Hill Morgan horse fame.

It was not until the early twenties and the day of the endurance contests that performance was first measured. In the late thirties the Green Mountain Horse Assn., Inc., and other state riding clubs started various state rides, such as the Vermont Hundred Mile Rides, the Maine Eighty Mile Rides, rides in California, Nebraska and other tests.

Main Sire Lines. In the 300-mile endurance contests and the Vermont Trail Rides, Arabians, Morgans and Thoroughbreds have been leaders among those finishing at the top. Morgan horses have, in general, given good performance in most of these competitive rides. Results of a study of the purebred Morgans that were successful in the 7 endurance rides and the 12 Vermont Trail Rides are most interesting in that these performers fell into two main sire lines, or were a combination of the two.

These sire lines are: first, the Mansfield-Bennington-General Gates line tracing to Ethan Allen 50, Black Hawk and Sherman Morgan by Justin Morgan; second, the Moro-Welcome-Morgan Dun-Ethan Ellen 3d line tracing back to another son, Woodbury Morgan. The first line is the line of breeding used at the U. S. Morgan Horse Farm.

Most of the performances by the first sire line were by General Gates, Bennington or Mansfield, depending on when born, while performers of the Moro line were of three different family lines through his two sons and a daughter.

Winning Produce. Mansfield, by the way, is the only sire of any breed that has two produce that have won the championship in the Vermont Trail Rides—Friendly, the only horse ever to have won it two years in succession, and Lippitt Mormon, the only stallion ever to have won the ride 3 times, incidentally, is a direct union of the two lines, being by Mansfield and out of Lippitt Kate Moro by Moro. Lippitt Mormon, owned and shown by the late Wilfred Leboeuf, is now attracting attention in the stable of Merle Little, Monrovia, Calif.

Late in the thirties consideration was given to broadening project plans into a study on measures of performance. Thoroughbred and Standardbred horses’ performance was, to a certain extent, measured with the stopwatch. Endurance tests, trail rides and the showing were only limited measures of saddle horses, as factors of error existed in judging, training and horsemanship.

Performance tests at the Farm are designed for a definite measurement of speed for a mile at the normal walk and trot and length of stride at these...
PERRY IVORY

Champion of Champions

By RUBE ALBAUGH

It is an afternoon in July, 1940. The range grasses have withered and the hills have turned brown. The cattle shipping is all done. The Cowpokes that inhabit the sage brush, the poison oak and bunch grass country are drifting into Salinas, the county seat and great cow town of the old and colorful Monterey County, Calif. Here they are gathered to vie for honors at the California Rodeo, the best of its kind in the land. They will contest to see if they deserve the right to wear the ten-gallon hat.

The old town is decorated in bright and brilliant colors, depicting the carefree Spanish days of yester years. The old western spirit of the pioneer days is in the air.

Sport range loving folks from far and wide have gathered to witness this unique wild west show and to reminisce of days gone by and discuss livestock and range conditions of parts back home.

Hundreds of big powerful white-faced bulls with dusty backs together with long-horned Mexican steers, thin of flank and with the speed of a race horse have been assembled to offer thrills for this hungry and anxious crowd.

From the parched lands of Arizona; from the Lava Beds of Modoc; from the sage brush plains of Nevada; and the bunch grass mountains of Oregon have come some of the toughest of bucking bronzes.

Competition Keen. Everything humanly possible has been done to make this rodeo click. It is a champion show; the contestant who wins at Salinas will be crowned champion cowboy of the whole wide world; the first three days of this thrilling show are over; it is Sunday and the finals of all events are at hand; competition is keen and an undercurrent of tenseness lingers throughout the dusty sunkist air.

All eyes are on the bucking shoots. Riders in the bronce riding contest have all been eliminated except four—but what a quartet. They are famous—renowned—great in all departments of rodeo sports. On the program they are listed as follows:

Perry Ivory—that handsome, curly-haired, tall, wirey puncher from the Modoc country.

Pete Knight—that natural, easy and well-balanced twister from deep in the mountains of Idaho.

Jess Stahl—the strong, rough and ready colored cowboy from the cotton fields of Texas.

And last but not least is the daredevil, loose-riding youth from the bad lands of South Dakota, Casey Tibbs.

Mounts Drawn. They have drawn their mounts and Abe Leaton, the premier rodeo announcer of all times, has just told the audience that Ivory will ride The Crying Jew, a big feather-legged, strong-bucker, fresh off the Gabilan range. Knight has drawn Tumbleweed—the high-kicking crooked bronc from the sage brush flats of the silver state, Nevada. Glasseye, the ball-faced spectacular buckler from the Sierra range will be forked in this thrilling contest by Jess Stahl.

Joker, that range-running roan from the rim rocks of old Arizona will be contested by Tibbs. The judges are at their posts, all veterans of this show judging business. They are namely: Shorty Williamson of King City; Elton Hebberon and Grover Tholcke of Salinas.

Ivory is the first to ride. His mount is difficult to saddle. The "Jew" has tried to climb out of the chute and has thrown himself but finally has the riggin strapped on. Tholcke instructs Ivory to climb aboard and come out scratching. Perry winks at one of the judges—pulls his hat down tight—looks at his spurs and slowly but carefully but with an air of determination slides down the middle of one of the greatest bucking broncs that ever wore a saddle. The "Jew" looks back and is anxious to be given daylight. Perry takes a deep seat in that old association saddle and says "Let me have him." Crying Jew bursts out of the shoot like a lion out of a cage and makes a tremendous jump high into the air, at the same time kicking very high behind.

Master Ride. Ivory, with his spurs in his mount's shoulders leans way back and rides his stirrups heavily. He knows that if he can stick the first three jumps his bronc has been mastered. The jumps are now faster—not so high or long—but he continues to kick so high that he almost falls over forward. Ivory pays no attention to the judges or to the audience but continues to spur the big Bay in the shoulders. The fifth jump is past and Perry rakes his horse high behind. It is a master ride and the crowd lets the judges know their approval.

Stahl is the next rider. His horse, Glasseye, is saddled. One of his helpers pulls the flank rigging up tight and Jess slips down on his mount, seemingly unconcerned, laughing, talking to the cowboys on the chute. Ice water must flow through this colored boy's veins. Will Rogers, the humorist, columnist, cowboy actor, leans over the chute and tells Jess that if he is to win this contest he must make a clean but spectacular exhibition of horsemanship. Glasseye makes two big jumps forward and rears high and literally walks and bucks on his two hind feet. Stahl pays no attention to his mount but keeps spurring and looking over his shoulders, smiling toward the grandstand and saying in that southern drawl, "Look close, missah judges, and see if I'm spurrin' this old horse in both shouldahs." It is a showy, crowd-pleasing ride but the judges mark their cards and order Knight out on Tumbleweed.

Bronc Victim. This great natural rider comes out on the big brown horse riding by sheer balance. For the first five jumps rider and horse are synchronized as one. On the sixth jump, Tumbleweed partly falls to his knees. Knight is loosened up, he is off balance. The bronc senses his rider's dif-
COMPLETE DISPERSION

American Saddle Horses
AT PRIVATE TREATY

Home of

Cameo Kirby
His Sons & Daughters

All Priced for Immediate Sale

Sunnyvale Farm occupies acreage on which the Whittier Narrows Dam is now under construction which compels the disposal of our stock as early as possible. This breeding farm and show stable consists of . . .

• Show Horses
Including Makalei Born, Sunnyvale Special, Sensational Sadie, San Marino Debutante, Jeannie A, Sunnyvale Parade and others, featuring the get of Cameo Kirby.

• Prospects
Colts and fillies by Cameo Kirby out of our illustrious band of brood mares that give every indication of becoming great show horses. They are a great lot.

• Pleasure Horses
We have some fine, well made, gentle bridle path and small Horse Show pleasure horses for ladies and children as well as horses suitable for parade use.

• Brood Mares
These mares, producers of prominent show horses, include McDonald Dream Girl, Dahlia Monroe, Bohemian Rexanna, My Own Today and Miss Chatterbox.

• Weanlings • Yearlings • Two & Three-year-olds •
See our Futurity Colts & Show Horses at L.A. Co. Fair, Sept. 16-24

Your Inspection Invited

Sunnyvale Farm

Mr. and Mrs. Floyd Shofner
Ella Mae Shofner
Owners

Montebello, Calif.

912 E. Lincoln Ave.
Tel. UNION 1-6887
Howard Tucker, Mgr.
ficulty and starts spinning and at the same time kicking high behind. Knight grabs for leather but it is too late. Tumbleweed is out from under him and he kisses old Mother Earth—another victim for this vicious bronc from old Nevada.

The 19-year-old kid, Casey Tibbs, is pale and nervous with only two years experience behind him. He pulls on his chaps and slides down onto the summit of the crookedest and fastest bronc that ever saw daylight in Salinas. As the chute gate opens, Casey's spurs are right behind the ears of this ridge-running roan. On the first jump he rakes his horse plumb to the cantle board of his saddle. He is riding very loose. The horse is swapping ends in the air. Casey continues to spur and kick his horse wherever he can touch him, determined to ride him through.

The crowd is going wild. They like this kid from South Dakota. Tibbs is bucked off—no the horse catches him and he is back on spurring again. He is partly off again but the horse again bucks under him and he rides on to the finish. It is a careless slam bang ride that only a youth could make on a dangerous rough bronc. The crowd likes it but the judges thought Tibbs was lucky and after some consideration they gave the nod to Ivory. Tibbs was 2nd and Stahl 3rd. Thus ended an imaginary bronc riding contest among four of the greatest cowboys that ever sat in a saddle. Ivory's consistent know-how methods of riding touch horses in his easy, pleasing fashion proved too much for the other cowpokes in this contest. In his heyday it has been said by many that when the chips were down Ivory could ride any horse on the circuit the judges' way—the winning way.

Arabs to New York—
During August, Parke W. Davis and Edward J. Hand owners of Pinewood Knolls Farm, Chaffee, New York purchased three Arabs from Ralph H. Smith, Billings, Mont. The group headed by Abu-Zad AHC 4538 will form a foundation Arabian breeding program on the Pinewood Knolls Farm. Others in group sold included two Arabian grey fillies, Maachah AHC 3839 and Raffloyat AHC 3760 and two half-bred Arab stock horses, Gama-Helah and Triangle Fly.

Before you show your horse to a prospective buyer—see that his hooves have been cleaned out, his mane and tail aren't tangled and his coat is clean. Put an attractive halter, bridle or bozal on him. These things make a difference to a buyer's view and increases opportunity of sale.
San Mateo Horse Show Has Good Classes

For the 20th season, the Gymkhana Club of San Mateo, Calif., sponsored the annual horse show Aug. 12-14 that drew 215 listed entries in what was regarded as a very pleasing and interesting show, with a large group of the top show horses of California in competition. Christopher Wadsorth of Kenmore, N. Y., was judge of saddle horses, jumpers and harness horses with Daniel O'Neill Jr., San Mateo, Calif., placing stock horse events.

Eleven Fifty-five, owned by Vida Mia Farm, Northridge, with Richard Smith riding, won the 5-gaited championship over Mr. and Mrs. E. Elkus' Summer Rain Again from San Francisco in reserve position over Phyllis Moonshine owned by Anne Giannini, San Francisco. Destiny Sweetheart, owned by Dr. and Mrs. August Molluth, Santa Maria, won the 3-gaited championship with September Remember, owned by Mrs. W. P. Roth, San Mateo, in reserve position and Pointana, owned by Rae Deane Spaulding, San Mateo, third.

Reno O'Neal, owned by Concar Ranch, San Mateo, won the hunter championship over Sonny Bravo, owned by Wm. Keck Jr., Los Angeles, with Culpepper owned by Mrs. L. G. Wilson, Palo Alto third. Balbriggan, owned by Barbara Worth Stables, Sacramento, won the jumper stake with Saladin, owned by Bob Fraser, Billings, Mont., in reserve and Gold Leaf, owned by Mrs. Robert Day, Sacramento, third.

Mrs. W. P. Roth's Stoneedge Rushworth won the Hackney stake with Xavier, owned by Concar Ranch second, and Trinket, owned by Concar, third. Mahogany Flare, owned by Dr. and Mrs. Molluth, won the fine harness class with Fancy Dancer, owned by J. E. Moore, Santa Maria, second, and Barrymore Sunday, owned by Rae Deane Spaulding, third. The Palomino open class went to Mrs. Gerald Gray of Walnut Creek on Top Flight with My Choice owned by Joseph Periano, San Mateo, second, and Chico Knight, owned by Donna Deck er, Long Beach, third.

Kitten, owned by Jim O'Connell, Gilroy, won the stock horse championship over Reno Belle owned by Jimmy Williams, Escondido, with Spook, owned by Barbara Worth Stables, third.

Manner your stallion before you take him into the show ring. An unruly horse not only makes a bad impression, but is actually dangerous in the show ring, particularly if there are a large number of horses in the ring.
Western Livestock Journal’s Horse Section* carried 67.1% more breed advertising and 16.8% more total horse advertising the first six months of 1949, than any publication in the West devoted Entirely to light horse breeds.

There Are Reasons For Leadership

**Advertiser Confidence**  Horsemen spend their advertising dollar to reach those who are interested in buying purebred horses. They find the HORSE SECTION not only meets their requirements but field representative cooperation by our staff helps them with their advertising problems.

**Reader Interest**  Articles that are up-to-the-minute in interest because they deal with fundamental horse problems and are of informative nature gives the HORSE SECTION high readership and that is an important factor in choosing an advertising medium.

**Circulation**  Western Livestock Journal circulation centered in the 7 western states on the Pacific Slope gives a concentrated circulation in the most important horse owning and buying area. Our readers are all owners or potential buyers for good horses.

*Western Livestock Journal carries 7½ times more livestock advertising than all other Pacific Slope publications combined.

---

**Results**

Combining these major factors, superior in Western Livestock Journal’s HORSE SECTION, gives advertisers the high return for their advertising dollar in RESULTS!
Morgan Horses—

They Are Still Tops Among Breeds
As Adept Pleasure, Utility Mounts

By BILL SMALE

THERE isn’t anything new concerning the Morgan horse so far as his ability to accomplish different jobs. He is still one of the great pleasure horses of all times and in his past are many well known instances of utility. Perhaps the very fact that there is nothing new is one of the very excellent points about the breed. Surely there have been some changes in type, depending upon what the individual breeder wanted to stress in producing colts, but today the Morgan is still one of the most adept of the pleasure and utility horses.

And if you ask the Morgan owner why he likes his Morgan horses, he will take just as much time to tell you about the Morgan’s attributes as it takes a Thoroughbred breeder or a Quarter Horse owner or the man who gets his kick out of Arabs. And thereby hangs the tale. The reason we may have taken a little less notice of what is happening to the Morgan is that there has been so much doing with other breeds. Perhaps those other breeds are just coming to the place that the Morgan has been for years.

Heart, Willingness. Have you ever taken the time to really look over the Morgan horse, sit on his back and let him show you what he can do? If you have, you have respect for his heart and willingness. One day several years ago, I had the pleasure of riding with a bunch of fellows one Sunday and one of them rode up on a Morgan stallion and said, “Say, if you want a real ride, climb on this horse. I think you will be surprised.” It didn’t take two minutes of riding the Morgan to realize that this horse had the same kind of power and gave the same kind of assurance that I’ve heard fellows talk about with a Cadillac.

He walked like he was on eggs and covered the ground like he wanted to go someplace. Where? Anywhere you wanted to put him. More than that you felt as though the horse enjoyed the trip. That is a lot of the Morgan. Well, to make a long story short, by nightfall the horse was going the same way, like he still had a thousand miles to go and wanted to make it before nightfall. You often hear about those things, but it isn’t until you try a horse that you really know and appreciate him.

I don’t think that those characteristics were unique with that horse, for I have talked with many Morgan breeders and owners and they all say the same thing. As the Morgan man says, “It isn’t that the Morgan is any better than any other breed, he just does his job better.”

Hill Morgans. Ten years ago few people were interested in raising Morgans on the Pacific Slope. People came from hundreds of miles to see the unique and capable horses owned by Roland Hill’s Horseshoe Cattle Company. At one time he had more than 50 mares, a number of them from the Richard Sellman foundation of Texas, where Morgans left an important mark.
EARLY MORGAN—Red Vermont, Morgan stallion brought to California in 1940 by Jack Davis, Arcadia, Calif. This popular stallion now has many successful sons and daughters in the West and is head of Davis Morgan breeding ranch at Lodi, Calif.

among ranch horses and where today you can still see the influence of Morgan horses. But back to the Hill horses, horsemen came to see what he was doing to raise such outstanding stock horses on his ranch, the same ones that went to Reno, Nev., each year and were the tough competition in hackamore and bridle stock horse classes. After they had seen they went home and very rarely were satisfied until they had talked Roland Hill into selling one of his fillies or colts. And in those days that was quite a feat, for the horses were bred, sifted, selected, broke, worked, sifted and selected again. Some went into the remudas and others were used for breeding.

But Roland Hill and his horses were then, even as they are now, a legend and other than his fillies or colts, there were few other Morgans. In California, it all began to happen when Jack Davis of Arcadia brought Red Vermont from

FROM VERMONT—Gay Mac purchased in Vermont by Dr. C. C. Reed, Compton, Calif., has been an important sire of Morgan horses in California recently. Winner of the Morgan Horse award as the most typical Morgan at the Morgan Horse Show in Vermont, Gay Mac is leaving his mark on the breed.
Men of the West agree . . .

For top-notch quality, beauty and design...plus easy wearing comfort, TONY LAMA
BOOTS just can't be beat!

Handmade Boots
ASK FOR THEM AT YOUR DEALER
or write TONY LAMA BOOT CO.
Dept. K, 105 Overland El Paso, Texas

Bellita Gift, a 2-year-old filly, sired by Montabell Gift out of Serenata.

Jane Abbey, one of our noted brood mares. Her colts are winning shows.

For Sale—Besides the good daughter of Montabell Gift pictured at left above we are offering two brood mares at sensible prices. One is Flaxie by Piedmont Apache out of Clover and the other is Blossom D by Querido. This latter mare rides and drives.

If you are looking for a real pleasure horse that can go anywhere and do the job on the trail, in parades or actually working cattle, choose a MORGAN. You will find them friendly and consistently GOOD HORSES all the way around.

O. C. FOSTER
25251 Valmar Road
CALABASAS, CALIF.
MORGAN MARES—Registered Morgan mares with foals sired by Abbott MHR 7704 at Keating, Ore., on the Marvin S. Jeppesen Ranch. Morgans are one of the popular light breeds in the Northwest and several breeding farms are to be found in Washington and Oregon.

Horse Tails

By NICK

CHARLIE TEAM, former head of the Western Remount Area, is now a civilian again and as plans now stand will retain his position at the head of the Kellogg Arabian Horse Ranch horse nursery.

Ferndale Ranch became the owners of the good Quarter Horse filly, Sparkle Plenty, from the Lou Kosloff Ranch. She was purchased during August. Watch for her at the shows. Joe Bob, the well known son of Joe Reed P-3, has taken up his place at Ferndale Ranch. He was brought out from the J. J. Slankard Estate in Oklahoma. He is a full brother to Forrest Homer’s popular Catechu.

Don Weaver of Fullerton, Calif., finally got possession of the 6-month-old chestnut Arabian colt he has been watching intently at the Mekeel Arabian Horse Ranch at Whittier. The colt is named Gazi and is sired by Abu Farwa. He went to his new home on August 24.

Definite constructive plans are now underway for the consolidation of the American Quarter Racing Association with the American Quarter Horse Association. A special meeting of the former group will be held Sept. 30 at the Hilton Hotel in Albuquerque, New Mexico, the night before the running of the New Mexico Championship Quarter, to consider the question of reorganizing the American Quarter Racing Association to conform with different state racing laws for Quarter Horses.

This program includes consolidation with the AQHA and a plan for acceptance of AQRA registered horses in an appendix to AQHA stud book.

New Stable. Bill Lamkin and Dick Danielson are working over plans for the new stable in which each will be represented with working Quarter Horses including cutting horses. Bill Lamkin will do the cutting horse training according to present plans. There will undoubtedly be racing stock in the stable too. The two Quarter Horsemen recently made a Texas trip and have something under their big hats.

A good crowd watched the Quarter Horse races at Vessels Ranch at Los Alamitos, Calif., on August 7. Eddie Moreno entered six races as jockey and came off with five first monies and one second. That, gentlemen, is a substantial jockey record in any language at any track. The first race of 220 yards went to Texas Tomboy owned by Art Savage with J. Brown up. Clabber V owned by Frank Vessels ridden by Dave McClintock took the second race with Ralph Prater’s Lucky Cloud piloted by Eddie Moreno winning the third race. Lucky Boy owned by Muller Bros. ridden by Moreno won the fourth event and W. D. Borg’s Kay Vee with J. Hungerford up won the fifth. Gip E owned by Harold English and ridden by W. Davis won the sixth and Hy Myrt owned by Vincent Yorba, ridden by Moreno won the seventh. Nipper A owned by Park Atwood and ridden by Moreno won the 440 yard 8th event. Sun Up owned by Art Mahana ridden by Moreno won the 440 yard 8th race. Sun Up owned by Art Mahana ridden by Moreno won the ninth and G. W. Houck’s Double Beauty won the tenth event with Pat Beunow riding.

Ray Morris recently returned from a trip to Oklahoma and Texas looking at brood mares for W. D. Borg. He picked
out two top mares from Luther Smith at Leedy, Okla., and two from Porter Jones at Vinson, Okla. Two of these are by Joe Reed P-3 AQHA and two are by Stranger.

Good Crops. Warren Halliday at Etna, Calif., reports good crops this season, he is now in the midst of harvesting. Sales of horses have been fair in his area with occasional sales this year.

The J. S. Martins formerly of San Gabriel, Calif., owners of the good Arab stallion El Rahna are now moved to their new ranch at Romoland, Calif.

Bill Fisher, manager of the PCQHA fall show and sale at Fresno, Calif., says that things are nearly ready for the gala event. He plans the three day event Oct. 21-23 to be the best yet and says there are many outstanding horses in the Quarter Horse field entered in the show, both halter and working events.

Have you seen the colts of Monte L. at the Rex Ranch at Costa Mesa this year? They are a uniformly good bunch of youngsters and certainly show good Morgan type.

J. E. "Ernest" Browning of Willcox, Ariz., will be the judge for the PCQHA Show at Fresno according to news releases. A long time breeder and judge of good Quarter Horses, he will be welcomed to the show by many friends.

Melville Haskell, Tucson, Ariz., is having a particularly busy time with working out the AQRA future plans and his own business. He is hard to find at home.

Fine Article—

I enjoy your magazine a great deal. Your article on Rex McDonald in your July issue was very fine. I am looking forward to my next issue of your fine magazine.—Margaret Miles, Mountain Home, Idaho.

Remember . . . . SUNDAY, SEPT. 25

Third Annual QUARTER HORSE COLT SHOW

Bar Double A Ranch

NOGALES, ARIZ.

Open Quarter Horse classes for colts up to 24 months of age. Trophy and ribbons in each class. This year in addition to the colt and filly classes, we are adding a CUTTING HORSE class that will take place at 1 p.m., immediately after lunch. This is one of the most important events in Arizona for Quarter Horse breeders. We will welcome your entries.

For Information and Entry Blanks Contact:

M. F. Knagge

P. O. Box 960

Phone 501-R-1

Nogales, Ariz.

Remember to Mention
WESTERN LIVESTOCK JOURNAL
When Writing Advertisers

Register your //, 3/4, 7/8, 15/16 or 31/32 Thoroughbred foals in THE HALF-BRED STUD BOOK and your 1/2, 3/4, 7/8, 15/16 or 31/32 Arabian foals in THE HALF-ARABIAN STUD BOOK. Classification shown on each registered certificate. For blank applications for registration and copy of registration Rules, apply to

American Remount Association

Otis Building, Washington 6, D. C.
**Arabs Are An Investment**

**Buy Yours Today**

Yes, Arabian Horses are an investment. Good breeding stock is bringing in substantial returns on the investment of breeders. There are fewer than 4000 registered Arabian Horses in the United States which means that the supply is limited to those who fortunately have made this solid investment in the future of the industry.

The Arabian has a wonderful disposition, exceptional gait, superb animation, beauty and color, all of which make him an ideal horse for your pleasure. Enjoy your horses by riding and raising the best. There is that "Sterling Ring" to your investment in Arabs.

**Write For Your List of Breeders—See Arabs**

**Remember**

**The ALL ARABIAN SHOW**

**Pomona, Calif. — Oct. 15-16**

Halter and Performance Classes

$200 Stock Horse Stake, $100 Hackamore Stake, $100 Vehicle Stake

Arabian Horse Breeders' Society of California

Address Dept. W.L. 5, 4620 Oakwood Ave., La Canada, Calif.

---

**Mekeel Arabian Horses**

Home of ANKAR AHC 3063

EZ ZUHRA AHC 3585, a 2½-year-old filly out of Kheri sold to Byron White of Downey, Calif.

We have a few colts for sale sired by leading Arabian stallions. All of our 1949 offering of Ankar foals have been sold.

Inquiries are Invited.

Mr. and Mrs. Leland Mekeel
Registered Arabian Horses
WHITTIER 12249 East Whittier Blvd. CALIFORNIA

---

10 Years Ago

**WITH THE HORSEMAN**

H. Reese, former manager of the Kellogg Arabian Horse Farm who was (and still is) raising Arabian horses at his ranch in Covina, Calif., had broken his hip and was confined to the hospital. Mr. Reese was unloading hay when his hay hook slipped and he fell from the truck. ... J. M. Hadley of Visalia, Calif., was the possessor of a new 5-gaited gelding, Good as Gold, received from the B. B. Tucker Co., in a deal which saw Mr. Hadley’s walk trot mare, Wild Lilac, formerly the gaited mare, Golden Showers, returning to the Tucker establishment.

Charles Travis of Encino, Calif., had a likely youngster in Golden Ivy, a yearling filly purchased from Roy Boone at Delano, Calif. The filly was by the Decorator out of Spotlight by Mountain Dare.

The Matador Land & Cattle Co., with headquarters at Denver, Colo., and extensive ranch holdings in Texas, was reported to have sold the 5-year-old Palomino stallion, Tarzan, to John Kerran, Victoria, Texas, for $2,500 during the 1939 Fort Worth Show.

Bill Lambert, Monterey, Calif., recently bought a roan yearling Steel Dust from J. E. Browning, Willcox, Ariz., owner of the Casement-bred stallion, Billy Byrne. ... William Spurck of North Hollywood, Calif., scored a double, as it were, when he won the grand championship for stallions in the breeding division at Pomona with Highland Pat. The year before his 4-year-old stallion General Diamond won the crown.

General Diamond, with L. S. Rollins up, was second to Anachacho Shamrock in the 5-gaited division.

---

**$5,000 Boots—**

One of the latest achievements of Tony Lama, bootmaker of El Paso, Texas, is a pair of jeweled boots known as "El Rey." Valued at $5,000, the boots are set with four large diamonds in each boot, plus eight rubies and four emeralds, making a total of 16 precious stones in each boot. The stones are set in platinum and worked into gold and silver tanned leather.

Perhaps the completion of the boots has something to do with the fact that Tony Lama is celebrating his 30th anniversary as a bootmaker. Anyway, that is a lot of money for cowpunchers' boots.
gait; under saddle and in harness. Under saddle each horse carries 20% of his body weight, while in harness he pulls 60%. These tests are made on a one-eighth mile track with strides measured on the second, fifth and eighth laps.

**Cross-Country Test.** Under saddle, endurance is measured on a cross-country ride of about 11 miles. The course is so marked that each horse covers about 4½ miles at the walk, 5½ miles at the trot and 1 mile at the canter. In addition to the time record each horse is scored for degree of fatigue, ease of handling, response to commands, performance of gaits and ease of gaits from the standpoint of the rider.

Endurance and recuperative power are measured in harness by a test on the track at the trot for five miles. Normal respiration and heart rates are taken before the horses are removed from their stalls. These are again taken at the end of the trot and again at 5, 10 and 15 minutes thereafter.

Results to date are an approach to many of the problems involved. Data from 68 horses sired by 8 different stallions shows the time required to walk a mile under saddle averaged 15.1 minutes, varying from 10 to 18.5 minutes, the great variation, without doubt, being due to some factor other than natural speed. The trot averaged 5.3 minutes, varying from 3.8 to 7.3 minutes. Sires, years when the data was taken and general conformation were all significantly associated with this time. The time required to cover the cross-country course averaged 1 hour 49 minutes. Here, especially, the variation between years and riders was significant, showing the controlling factors that these items are.

Significant differences at the walk between the offspring of different dams were found but it is not yet possible to separate these effects from those of the sires, owing to the small number of offspring from each dam.

**Effect of Weight.** Following the tests in May, 1948, and a cooperators' conference extra training and amount of weight carried on three of the horses, one at Storrs, one at Amherst and one at Middlebury, were considered. All results showed irregular improvement in length of stride and speed at both walk and the trot. When a repeat in testing effect of weight carried was made we found that temperament or "desire to go" had, in general, a greater...
effect than the weight, with irregularity as to time made.

In an attempt to get more average data this spring 11 of the 14 3-year-olds were carried through three complete tests with three different horsemen. Little of the data has as yet been summarized but there was no definite effect due to driver at the walk in the mile in harness.

This spring's data seems further to show that the factor of temperament or "will to perform" is as yet unmeasured but must be obtained in some way if we are to arrive at true correlations.

Results of the past years of scoring have shown the possibility of greater value with a revision based on comparisons within four major divisions: 1) general appearance, 2) body conformation, 3) feet and legs and 4) action. Initial tests on this revision are promising. If this comparative scoring proves to be true with a greater number of animals the correlations between actual performance and effects of sires and dams will be on a sounder basis and of more value. If the correlations can then be applied to scores and measurements of yearlings, the work will be of real economic worth.

Ferndale Has "Selling" Year

Aside from their most successful Quarter Horse sale in June of this year, the Ferndale Ranch at Canoga Park and Santa Paula, Calif., has had 13 sales thus far this year. Largest buyer was Jack Pond, Shandon, Calif., who purchased the two well known brood mares Judy C and Katie C and the popular stallion Big Shot. Taylor Ranch at Ventura, Calif., purchased a Brown Bob 2-year-old colt; Johnny Mawson, Encino, Calif., purchased Black Boy; Guy Mattox, Westminster, Calif., took a Possum II filly. A Barney Owen filly went to Jim Hook, Van Nuys, Calif.; Walter Wreden, Santa Margarita, Calif., obtained G-Fern Hugh Bennett; Dick Danielson, Camarillo, Calif., took Nig F.; Bill Welch, St. Louis, Mo., purchased G-Fern Red Regards; Gordon Wheeler, San Juan Capistrano, Calif., took G-Fern Billy Anson; Ray Sence, Sun Valley, Calif., obtained Jetica, and Lou Kosloff, Encino, Calif., purchased G-Fern Straight and Narrow.

Race Courses—

In 1920 wagering was formally legalized in only five states. Today 25 states have adopted racing legislation and share in the profits therefrom. Including county fairs and such little-known tracks as Brush, Colo., and Ramon, N. M., there are 82 race courses for U.S. Thoroughbred horses.
FROM all indications of the number of horses being transferred and issued transfer certificates through the Palomino Horse Assn. office, there are a lot of good Palominos changing hands this summer. The prices on these horses are apparently holding up very well and should be indicative of the quality that Palominos must have in order to maintain good prices.

Miss Honey I, PHA 4106, who is by Glowing Sun and out of Sally Sue, Quarter mare, was recently sold to H. H. Wyman of Nuevo, Calif., and was formerly owned by L. P. Vallencella, of Little Rock, Calif.

From Talladega, Ala., comes word from Dr. J. L. Wesley that he has purchased Shandra's Mischief, PHA 4583, from J. K. Morrison of Shannon, Ga. This beautiful Palomino stallion was sired by Richard Torres, a chestnut Saddlebred, and the dam was Pepita a Palomino mare.

We are always glad to hear when good Palominos have sold into Canada, and we find that recently two Palominos were sold by A. L. Fisher and Son of Haines, Ore., to Wayne Anderson of Lethbridge, Alberta, Canada. Mr. Anderson purchased Oregon Clipper, PHA 4573, Palomino stallion, and Oregon Silver's Beauty, PHA 4572 by Oregon Silver, and is considered an outstanding Palomino mare.

James P. Yoder of Hutchinson, Kans., recently sold his Palomino mare, Lady Miss, PHA 3251, to Mrs. Gladys Dymond of Hutchinson, Kans.

A RECENT visitor to the national headquarters of the Palomino Horse Assn. in Reseda was Walter Zosel of Salem, Ore. Mr. Zosel is First Lieutenant in the Governor's Guard—that outstanding posse who recently made a trip to Vancouver, British Columbia, to stage their colorful drill. He is very active as one of the Directors of the Oregon Auxiliary of P.H.A. and early this spring purchased several outstanding Saddlebred mares who were bred to The Harvester. Mr. Zosel is looking forward to raising some fine golden Palominos.

Another visitor to the P.H.A. office was H. K. Medley from Denver, Colo. Mr. Medley is a member of the famous Shriner's Patrol, a mounted group using all Palominos with silver equipment. Mr. Medley took time out on his recent trip to California to visit some of the Palomino stables in the San Fernando Valley.

ALSO seeing the P.H.A. headquarters was Mrs. Gladys Nye, a Palomino fancier from Bakersfield, Calif. Mrs. Nye stated that she and a group of other women riders in Bakersfield are planning to ride from that city to Sacramento to attend the California State Horsemen's Convention, Oct. 13-16. When asked what route they were going to take on the trek to Sacramento, Mrs. Nye stated that they were going straight up Route 99, riding about 20 to 30 feet from the highway. They expect to have different
All Golden Horse Show and Celebration
SPRINGFIELD, MISSOURI
OCT. 1-2, 1949
Saturday night, Sunday matinee, Sunday night. Enclosed arena at Fairgrounds.

Prize Money & Trophies
$4500
Classes for Golden five-gaited, fine harness, Walking stock and Parade horses. Weanlings, Yearlings and two-year-olds.

Judge Walter H. Gant
Announcer Bob Woodfill
Ardmore, Okla.
Bolivar, Mo.

For Information Write
P. O. Box 1186, S. S. Station, Springfield, Mo.

ALSO
First Annual
GOLDEN HORSE SALE
OCT. 1
First Day of Show
Auctioneer Col. E. E. McClure
Obtain consignment blanks from E. C. Rhoden, Chairman of Sale
P. O. Box 357 Kansas City, Mo.

TWINS—Palomino twin foals, one filly and one colt sired by Sir Rascal PHA 4521, owned by Herbert C. Rose owner of BY Ranch, Aguil, Ariz. The colts were foaled May 31 and are doing nicely.

riding clubs in the various towns they will go through ride out to meet them and supply them with lodging and meals.

This sounds like a pretty big undertaking for the group, but if they will evidence the determination and spirit of Mrs. Nye, there is no question but what they will make the grade.

Breeding Classes at PI
In one of its most important expansions in many years, the Pacific International Livestock Exposition Oct. 7-15 will add halter classes for four colorful breeds of light horses steadily winning tremendous public popularity. They are Arabians, Palominos, Tennessee Walkers and Quarter Horses. In the stock show's 39 years there never has been breeding class judging of these horses.

"From the standpoint of public acceptance this is the most important thing the stock show has done in years," said General Manager Walter A. Holt.

"The importance of the breeds has grown because of the terrific interest in horseback riding. All four are used in mounted posses. There are thousands on horseback today who never rode before."

Premiums in the four halter classes total $2,400. About 200 head are expected to be entered before closing, midnight, Sept. 30.

When you are showing your horse in the show ring, walk or run at his side. When the judge is watching your horse's action he can see better when your feet aren't in the picture too.
NOW
You Can Breed to
Joe Bob

P-1064 AQHA

The Great Son of Joe Reed

This chestnut horse foaled in 1940 has made one of the spectacular records in the stud of the Southwest. We now offer his services to Quarter Horse breeders of the West.

He is by Joe Reed P-3 AQHA by Joe Blair and out of Diamond Oakes P-744 AQHA by A. D. Reed by Peter McCue. Joe Bob’s second dam is by Little Joe, combining close up some of the best Quarter Horse blood that is producing some of the fastest racing Quarter Horses in the country. If you are looking for speed and conformation combined, breed to Joe Bob.

He will stand at our Canoga Park Ranch.

He is the sire of Red Bobby Reed
R. L. Underwood’s Many Times Grand Champion and other great ones.

FEE $100

Come — Pick your choice from our 1949 colt crop.

This year’s crop is now being weaned. We are selling your choice of our top colts at prices you will find reasonable.

See Our Entries
at the Fall PCQHA Show and Sale, Fresno, Oct. 21-23

See Our Entries at the Fall PCQHA Show and Sale, Fresno, Oct. 21-23
Announcing Our First Bi-Annual Sale of Quarter Running Horses

SUNDAY, SEPT. 25 1:30 P.M.
Perry Sale Grounds
PERRY, OKLAHOMA

Featuring the Get and Service of LEO AND JESS HANKINS
Futurity colts already nominated for Oklahoma Futurity and Southwest Futurity at Tucson.
We are offering some registered Quarter Running bred brood mares the likes and breeding of which we believe have never before been offered at public auction.
SELLING 23 HEAD
16 colts and yearlings
7 permanent mares, twos and threes bred to Leo
For Catalogs Write
BUD WARREN, Box 27, PERRY, OKLA.
(Quarter Running Horses)
Sale Mgr. Art Beall, Bartlesville, Okla.

The Blood of Champion
QUARTER HORSES
Sell TUESDAY, OCTOBER 18, 1 p.m.
at the SACRAMENTO CO. FAIRGROUNDS
GALT, CALIF.

40 Head—Breeding Stock • Using Horses

WEANLINGS—A fine group of top quality weanling colts and fillies out of our best mares, sired by Nick II, Joe Less and out of Barney Owens and Barney Troutman mares along with other fashionable Quarter Horse blood.

YEARLING—A yearling filly by Nick II.

TWO-YEAR-OLDS—Several solidly bred Quarter fillies, right for show and breeding, a number are now being broken to ride. A top stallion sired by Golddust Shoemaker.

THREE-YEAR-OLDS—This group includes a number of outstanding prospects for show and bred to be top brood mares.

FOUR-YEAR-OLDS—A Palomino filly by Elliston's Jack McCue AQHA 5083 and a Palomino Saddlebred gelding, broke and gentle.

BROOD MARES—We are offering some of the best bred mares we have in our band including some recently obtained from Colorado. Most of them will be bred to Nick II, Shorty Bill and other leading Quarter Horse sires.

For Catalogs and Information Write
Guy Corpe
Rt. 2 Box 3280 — Phone Hilcrest 74033
4 miles East of Sacramento on Jackson Road, Highway 16, ½ mile East of Walsh Station.

Remember:
If you are trailing horses to the PCOHA Show and Sale, we have made arrangements so you can stable your horses at Galt during and after the sale so that you may attend our sale.

A number of our best colts and fillies are sired by Nick II and many of the mares are bred to him. A special group offered in the sale are direct from H. J. Wiescamp, Alamosa, Colo.

Hank Wiescamp, Auctioneer
Sacramento, Calif.
Pomona Stage Set
For Horse Show

The stage is set and everything is in readiness for what promises to be another magnificent horse show in conjunction with the 22nd annual Los Angeles County Fair at Pomona, Calif. Under the direction of President-Manager Jack Afflerbaugh, the event will uphold its reputation as the most beautiful out-of-doors show in the country.

Again this year, it will form the major attraction for the first nine nights, opening on Friday, Sept. 16 and continuing through Sept. 24. The fair proper extends another eight days through Oct. 2. Tevis Paine, well known among the show horse folks up and down the coast, will serve as ring director and announcer. J. W. Nesbitt, of Montreal, will judge Hackney and harness show ponies, hunters and jumpers. Lester Stirling, of Salinas, will place the ribbons for the stock horses, equitation class and the Jaquima. H. C. Barham, Milan, Tenn., will preside over gaited saddle horses, fine harness, roadsters, walking horses and equitation class.

Again it will be a full show with a total of 85 classes and fourteen stakes divided equally between $1,000 and $500 purses. In the larger stakes are 3- and 5-gaited saddle horses, single ponies, harness show ponies and hunters, jumpers, and stock horses. The lesser stakes go to 3- and 5-gaited saddle classes, fine harness and single roadster classes.

The show will be presented with an entirely new setting before the large steel and concrete grandstand. Over $300,000 has been spent in improvements and additions since the last fair and a sizable portion of this has gone into the preparations for a bigger and better horse show. One of the new facilities is a 6-lane highway extending directly from highway 99 into the fairgrounds. This will not only shorten the distance considerably, but will relieve possibility of congestion.

Finnsson Buys Arab—

G. A. Finnsson, Sea Island, Vancouver, B. C. recently purchased an Arabian filly through H. H. Reese, Covina, Calif. that was shipped during August to her new Canadian home. This is the first Arabian owned by Mr. Finnsson who is becoming quite interested in Arabs and contemplates developing a breeding establishment on Sea Island.

The filly, Maarnatta, a 2-year-old chestnut, is sired by El Nattal by Alia Marward and was bred and raised by Mrs. George A. Whitcomb, Riverside, Calif. El Nattal was champion Arabian stallion at the 1949 Indio show.

LAST CALL

Three D's Quarter Horse Sale
SEPTEMBER 26, 1949
At the Fort Worth Stock Show Grounds.
FORT WORTH, TEX.

54 Head
choice Quarter Horses, including the Grand Champion stallion
PRETTY BUCK P-2103

and the get of
POCO BUENO P-3044

For further particulars see the August Issue of the Western Livestock Journal.
Due to a serious injury, I am forced to sell these foundation horses. We are sorry to have to sell Billy Byrne, for he is a great horse. But we are sure he will continue his great popularity and ability as a sire of show and breeding stock. He is a son of Balleymooney and out of Natalie P-57 by Little Joe. Among his most popular sons are Topper and Sparky Browning, the latter twice champion PCQHA working horse and the former one of the most popular stallions of this day.

**Lady Browning P-781 AQHA**

This mare is probably the best known living Quarter mare and is the dam of Topper and Sparky Browning. She is a daughter of Tony P-776 and has a Billy Byrne stud colt at side.

**And ...** We are also selling Chinkie Pin AQHA 10293, a chestnut mare foaled in 1936, sired by Red Cloud Jr. by Red Cloud and out of a mare by Dells Bob. She has a Billy Byrne foal at side, and is rebred to Billy Byrne. Also selling a 2-year-old Rowdy filly, a great racing prospect and Cherry Flip AQHA 5535 by Red Sage and out of Red Bird by Red Wings AQHA 7965. She is a chestnut mare foaled in 1943. She is also bred to Billy Byrne.

They all Sell at the PCQHA Sale, Oct. 22

Robert L. Freeman
Marysville, Calif.

---

**THREE** We are Proud of-Go To The PCQHA Fall Sale at Fresno

TWO PERMANENTLY registered mares by King P-234 AQHA. Both broken, gentle and one a finished reined horse. These mares are proven producers and are bred back, one to Tony P-776 and one to Driftwood P-2833.

and

A Beautiful Filly With a Royal Pedigree

**High Jinx—1949 Foal**

<table>
<thead>
<tr>
<th>Sire: TONY P-776</th>
<th>Possum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guinea Pig</td>
<td>Crowder mare</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulger</td>
<td>Billy</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Zantanon</td>
<td>Little Joe</td>
</tr>
<tr>
<td>Dam: HIGH TONE P-2189</td>
<td>by Traveler</td>
</tr>
<tr>
<td></td>
<td>Jeanette</td>
</tr>
<tr>
<td></td>
<td>Strait Horse</td>
</tr>
<tr>
<td></td>
<td>Bay mare</td>
</tr>
<tr>
<td></td>
<td>Little Joe</td>
</tr>
<tr>
<td></td>
<td>by Traveler</td>
</tr>
<tr>
<td></td>
<td>Jeanette</td>
</tr>
<tr>
<td></td>
<td>Captains Joe</td>
</tr>
<tr>
<td></td>
<td>Bentvides Mare</td>
</tr>
</tbody>
</table>

Mr. & Mrs. Channing Peake
Rancho Jabali
Lompoc, Calif.

Perry Cotton
Rt. 4, Box 629
Visalia, Calif.
**Special!**

**CROSBY ROPER**

Made of the best California bark-tanned leather, on 5-year guaranteed bullhide covered tree, with 3" stirrup leathers. All hand-laced. Can be had in leather reversed, border stamped or flower embossed. Also furnished on "Little Wonder" or "Fits 'em" tree. Priced completely equipped, with stirrups, girth and tie straps. Approximate weight, 35 pounds. ($20.00 Deposit Required with Order)

Mail Orders Promptly Filled

**LEBMAN'S**

Fine Leather Goods

111 SO. FLORES ST.

SAN ANTONIO  TEXAS

---

Bay Meadows Schedules

**Quarter Horse Races**

Quarter Horses will come into their own on California's major racing circuit this autumn.

William P. ("Bill") Kyne, the genial and popular boss of Bay Meadows, has made public a program of stakes and purses for the sprinters to be offered in conjunction with Thoroughbred racing at his renovated plant at San Mateo, just south of San Francisco during the present meeting which runs through Oct. 29.

The Quarter Horses will be eligible for appearance on the Bay Meadows oval on Oct. 1, when a new law enacted by the last session of California's Legislature, becomes effective. The law authorizes Quarter Horse racing on California tracks.

Beginning on that date, Kyne announces, the Bay Meadows card will include a daily race for Quarter Horses with a minimum purse of $1,000.

Moreover, Kyne is offering a $5,000 stake event, the Golden West Handicap, for Quarter Horses at 440 yards on Saturday, Oct. 22.

This is also the date for the running of the Bay Meadows Handicap, top feature of the Thoroughbred program, and will mean that upward of 35,000 persons will be on hand and have an opportunity to witness the thrill of Quarter Horse racing as well.

Kyne said he intends to build the Golden West Handicap up in future years to a dominant position in the California racing picture.

"We are enthusiastic over our ability to add Quarter Horse racing to our program," said Bay Meadows' boss.

---

**FOR THAT SMOOTH FEEL NEXT TO YOUR FOOT**

**Justins**

give you soft

BASEBALL LEATHER vamp linings

ASK YOUR DEALER

**JUSTIN BOOTS Ft. WORTH TEXAS**

Standard of the West Since 1879

You'll Succeed Faster With Angustorras's

**REGISTERED**

* Quarter Horses
* Walking Horses

A Few "Tops" Now For Sale

**ANGUSTORRA RANCH**

J. E. BARBEY
Steeleboat Springs, Colorado

Our foundation, selected with discretion, is producing stock with character and ability.

---

**Bay Meadows Schedules**

**Special!**

**CROSBY ROPER**

Made of the best California bark-tanned leather, on 5-year guaranteed bullhide covered tree, with 3" stirrup leathers. All hand-laced. Can be had in leather reversed, border stamped or flower embossed. Also furnished on "Little Wonder" or "Fits 'em" tree. Priced completely equipped, with stirrups, girth and tie straps. Approximate weight, 35 pounds. ($20.00 Deposit Required with Order)

Mail Orders Promptly Filled

**LEBMAN'S**

Fine Leather Goods

111 SO. FLORES ST.

SAN ANTONIO  TEXAS

---

Bay Meadows Schedules

**Quarter Horse Races**

Quarter Horses will come into their own on California's major racing circuit this autumn.

William P. ("Bill") Kyne, the genial and popular boss of Bay Meadows, has made public a program of stakes and purses for the sprinters to be offered in conjunction with Thoroughbred racing at his renovated plant at San Mateo, just south of San Francisco during the present meeting which runs through Oct. 29.

The Quarter Horses will be eligible for appearance on the Bay Meadows oval on Oct. 1, when a new law enacted by the last session of California's Legislature, becomes effective. The law authorizes Quarter Horse racing on California tracks.

Beginning on that date, Kyne announces, the Bay Meadows card will include a daily race for Quarter Horses with a minimum purse of $1,000.

Moreover, Kyne is offering a $5,000 stake event, the Golden West Handicap, for Quarter Horses at 440 yards on Saturday, Oct. 22.

This is also the date for the running of the Bay Meadows Handicap, top feature of the Thoroughbred program, and will mean that upward of 35,000 persons will be on hand and have an opportunity to witness the thrill of Quarter Horse racing as well.

Kyne said he intends to build the Golden West Handicap up in future years to a dominant position in the California racing picture.

"We are enthusiastic over our ability to add Quarter Horse racing to our program," said Bay Meadows' boss.

---

**FOR THAT SMOOTH FEEL NEXT TO YOUR FOOT**

**Justins**

give you soft

BASEBALL LEATHER vamp linings

ASK YOUR DEALER

**JUSTIN BOOTS Ft. WORTH TEXAS**

Standard of the West Since 1879

You'll Succeed Faster With Angustorras's

**REGISTERED**

* Quarter Horses
* Walking Horses

A Few "Tops" Now For Sale

**ANGUSTORRA RANCH**

J. E. BARBEY
Steeleboat Springs, Colorado

Our foundation, selected with discretion, is producing stock with character and ability.

---

**Bay Meadows Schedules**

**Special!**

**CROSBY ROPER**

Made of the best California bark-tanned leather, on 5-year guaranteed bullhide covered tree, with 3" stirrup leathers. All hand-laced. Can be had in leather reversed, border stamped or flower embossed. Also furnished on "Little Wonder" or "Fits 'em" tree. Priced completely equipped, with stirrups, girth and tie straps. Approximate weight, 35 pounds. ($20.00 Deposit Required with Order)

Mail Orders Promptly Filled

**LEBMAN'S**

Fine Leather Goods

111 SO. FLORES ST.

SAN ANTONIO  TEXAS

---

Bay Meadows Schedules

**Quarter Horse Races**

Quarter Horses will come into their own on California's major racing circuit this autumn.

William P. ("Bill") Kyne, the genial and popular boss of Bay Meadows, has made public a program of stakes and purses for the sprinters to be offered in conjunction with Thoroughbred racing at his renovated plant at San Mateo, just south of San Francisco during the present meeting which runs through Oct. 29.

The Quarter Horses will be eligible for appearance on the Bay Meadows oval on Oct. 1, when a new law enacted by the last session of California's Legislature, becomes effective. The law authorizes Quarter Horse racing on California tracks.

Beginning on that date, Kyne announces, the Bay Meadows card will include a daily race for Quarter Horses with a minimum purse of $1,000.

Moreover, Kyne is offering a $5,000 stake event, the Golden West Handicap, for Quarter Horses at 440 yards on Saturday, Oct. 22.

This is also the date for the running of the Bay Meadows Handicap, top feature of the Thoroughbred program, and will mean that upward of 35,000 persons will be on hand and have an opportunity to witness the thrill of Quarter Horse racing as well.

Kyne said he intends to build the Golden West Handicap up in future years to a dominant position in the California racing picture.

"We are enthusiastic over our ability to add Quarter Horse racing to our program," said Bay Meadows' boss.

---

**FOR THAT SMOOTH FEEL NEXT TO YOUR FOOT**

**Justins**

give you soft

BASEBALL LEATHER vamp linings

ASK YOUR DEALER

**JUSTIN BOOTS Ft. WORTH TEXAS**

Standard of the West Since 1879

You'll Succeed Faster With Angustorras's

**REGISTERED**

* Quarter Horses
* Walking Horses

A Few "Tops" Now For Sale

**ANGUSTORRA RANCH**

J. E. BARBEY
Steeleboat Springs, Colorado

Our foundation, selected with discretion, is producing stock with character and ability.

---
Quarter Horses to Gather at Fresno

When members of the Pacific Coast Quarter Horse Assn. are hosts to the Quarter Horse world at the Fresno District Fairgrounds, Fresno, Calif., Oct. 21-23, the event will be officially designated as their Fifth Annual Fall Show and Sale, but the cause and effects of the affair have much more significance than is indicated by the title.

High on the agenda for the show are the halter or conformation classes, in which each animal is judged by a competent Quarter Horse judge—in the case of the Fall Show this will be Ernest Browning of Willcox, Ariz., and the owners profit by the comparison of their animals with those of other breeders, have an opportunity to survey the shortcomings of their own stock and can revise and improve their breeding practices for the future.

It is the opinion of many that such shows and the suggestions which have emanated from them have done much to improve the quality of Quarter Horses throughout the West Coast region.

Training Adaptability. Showing horses in the hackamore, reining, calf stopping and trail classes is not only a matter of pride of ownership and training ability on the part of the owners but demonstrates the high degree of adaptability to training for which the Quarter Horse is justly famous. The Trail Classes, reserved for ladies and children under 17 years of age, are an open advertisement that the Quarter Horse is the even tempered, highly tractable animal to which ranchers and horsemen all over the nation have turned.

One of the most recent additions to the Quarter Horse Shows is the Cutting Contest in which owners of top Quarter Horses demonstrate the ability of the Quarter Horse to work cattle at which he has met with no equal. These animals, especially trained for the exhibition arena, are uncanny in their ability to outguess and outmaneuver the animal they are working and never fail to delight audiences of horsemen or just plain spectators. This year’s contest will be for a purse of $1,000 with entry fees of $50 added which should serve to sharpen the competition.

Racing Features. In addition to the matched calf roping in which many of the top ropers of the rodeo circuits will participate, there will be a liberal sprinkling of stake and straightaway races.
INTELLIGENT feeders no longer take the old saying that a hog will eat anything as a basis for profitable pork production. Granted that there is a good deal of truth in the saying, it does not necessarily follow that a hog can take anything you feed it and make pork profitably from it. It is not so much what you can get a hog to eat as it is what a hog does with what it eats in the way of converting it into pork that counts.

Many substitute feeds are palatable and are readily eaten by hogs. Some of them are much more valuable than others. Some feeds may be badly discolored or damaged in appearance without a corresponding decrease in their actual feeding value. Fire-damaged wheat seems to be one of these.

At this time of the year new grain is being stored in most parts of the country. Activity in grain elevators is at a high pitch. Naturally fire hazards are greatly increased during this season. Fires start in most unexpected places. Dust and chaff being blown from grain that is being cleaned often provides excellent opportunities for fires to start. Metal clamps on belts that are traveling rapidly sometimes throw sparks if they work to one side and strike other metal. Careless smoking is a frequent cause of fires in warehouses. Risks abound everywhere in spite of every precaution. As a result, fires are common during the late summer and frequently farmers are offered quantities of damaged grain as a result of fires. Just what this grain is worth and how rapidly it must be used up to prevent spoiling, as well as whether the feed will have a detrimental effect upon the health of his animals, are questions that the feeder must consider when considering the purchase of fire-damaged grain.

Salvage Value. In practice, unless grain is actually moldy and therefore apt to be dangerous to the health of the animals, considerable value can usually be salvaged from such feed. The writer has cured out hundreds of bags of both whole and ground grain, that was damaged by smoke and water, by stacking the bags loosely in single tiers so that both the sun and air could reach them. Under such management no detrimental results were noticed. The feeds were slightly less palatable and the pigs ate less feed, with a resulting slower gain but the profits were greater because of the greatly reduced costs of the feed.

In order to determine the feeding value of fire-damaged wheat the divi-
YOU KNOW these discriminating breeders who have recently purchased spring boars from us!

REYNOLDS LAND & CATTLE CO. of King City bought a son of WDC Sturdy Glory and a son of WDC Western Miracle out of the sow that was Grand Champion of the state as a junior gilt last year, and from a remarkable litter. A littermate, sold at weaning time to DAVID ROWELL of Wilton, won Grand Championship in an early fair this summer. Some of the best barrows we have ever bred were from this same litter.


David Rowell,

Porterville, California

The Porterville Herd of Poland Chinas

One advantage in buying your foundation breeding hogs or your herd sires here is the large selection from which to make your choice. We offer NOW ready-for-service boars and a great lot of open gilts. Modern meat type, yet easy feeding. Your inspection is invited.

A. D. GLAVES & SON

Porterville • Phone 36-W-1 • California

Remember to Mention WESTERN LIVESTOCK JOURNAL When Writing Advertisers

The Hog of Tomorrow

Registered, Bacon-Type YORKSHIRES

Visitors welcome at all times.

RANCHO SANTA YNEZ

Solvang, California

Our Appreciation...

for the attention paid our entries in the California Hamshire Sale, last month in Tulare. Our best wishes go to the following buyers:

2 gilts to E. V. Heise, Tulare
1 gilt to Ronald Allen, Delano
1 gilt to J. C. Garrison, Visalia
1 boar to W. A. Butler, Sanger

The gilts sold in pig to our new boar, a son of Today’s Special, purchased at the California Hampshire Sale, last month in Tulare.

HOMER DAVIS

1102 W. Alice Street, Visalia

BERKSHIRES

BOARS—WEANLING PIGS
From Production Registry Sows
Virgil Groves

FARMINGTON, CALIFORNIA

DOLLAR BILL

$1.00 for 50 cents

BRINGS YOU HUNDREDS of profitable hog raising ideas, year’s subscription to monthly magazine. Write J. Hog Breeder, Dept. A, Peoria 2, Illinois

MONACHE POLANDS

YOUNG BOARS for sale—the Cream of the Crop—like the one just sold to the Kern County Union High School Farm at Bakersfield. Golden Glory blood. Modern meat type. Some gilts, too. Next sale with Barns-Wick Ranch, January 28.

ROLLA L. BISHOP

PO Box 213, Porterville, California, Phone 168-W

1968 Cow Palace Gr. Ch. Barrow

GRAVEL HILL HAMPISHIRES

For the attention paid our entries in the California Hampshire Sale, last month in Tulare. Our best wishes go to the following buyers:

2 gilts to E. V. Heise, Tulare
1 gilt to Ronald Allen, Delano
1 gilt to J. C. Garrison, Visalia
1 boar to W. A. Butler, Sanger

The gilts sold in pig to our new boar, a son of Today’s Special, purchased at the California Hampshire Sale, last month in Tulare.

HOMER DAVIS

1102 W. Alice Street, Visalia

BERKSHIRES

BOARS—WEANLING PIGS
From Production Registry Sows
Virgil Groves

FARMINGTON, CALIFORNIA

DOLLAR BILL

$1.00 for 50 cents

BRINGS YOU HUNDREDS of profitable hog raising ideas, year’s subscription to monthly magazine. Write J. Hog Breeder, Dept. A, Peoria 2, Illinois

135, 142, and 154 lb. for the three lots respectively.

Loss Not Recovered. It appears very definitely indicated that the pigs fed all fire-damaged wheat at the weight of 57 lb. weight never did recover the ground they lost in the early part of this trial. At the end of the first 42 days trial they were 25 lb. behind and at the end of the 69-day feeding period they were practically the same distance behind the other lots.

This preliminary observation indicates the advisability of reserving fire-damaged wheat for older pigs or, if it is necessary to include it in the ration, one-fourth to one-half of the wheat for younger pigs. It should not exceed portion of the total ration.
Fear of 'New' Disease Unfounded, Says AVMA

Fears that a "new" disease is responsible for recent heavy swine losses in some parts of the nation have been branded as "unfounded" by the American Veterinary Medical Assn.

"Hog cholera outbreaks have been severe in certain sections of the Midwest this summer," a spokesman said, "but talk of a 'new' disease is not substantiated by reports from veterinarians."

The AVMA said cases of "subtypical" hog cholera might be confusing livestock owners, because this form does not always present symptoms which might be expected from the typical form of the disease.

"Another source of confusion," the spokesman said, "may be that some farmers are mistaking other diseases for hog cholera, or vice versa."

Swine erysipelas and lung infections are difficult to distinguish from hog cholera without a skilled diagnosis, he said, adding that swine erysipelas has appeared in many herds during the last several months. "Cholera is still the nation's greatest killer of swine, and should be suspected first until a veterinarian can examine the pigs," the AVMA spokesman declared.

Salt in the Ration

Tests have shown some phenomenal results from feeding salt to pigs in comparison with pigs that received no salt. Hogs need a little salt. They eat small amounts as long as they have an easy way of getting it.

Common salt adds to the palatability of the ration and stimulates the digestive glands. The addition of 1 per cent salt to the grain ration has been a universal recommendation.

Many producers feed additional salt in small boxes in the feedlot. A mixture of equal parts salt, air slaked lime or oyster-shell flour, and fine ground bone meal provides any extra salt or calcium that the pigs may need.

WIL-DO DUROCS

APPRECIATES THE PURCHASE of our Top Selling Bred Gift in the California Pork Producers' "All-Breed" Sale by Wm. Jasper of Sanger, California.

She was bred to GOLDEN HARVEST, half-brother to ALL the first prize barrows, hoof and carcass, at the 1949 NATIONAL DUROC CONGRESS and grand champion barrow at the Illinois State Fair.

We have spring pigs for sale, sired by Golden Harvest, in addition to others by Royal Purple, Double Indemnity, Promoter Prince and Dress Parade. Visitors always welcome.

WALDO W. WEETH, Owner, COALINGA, CALIF.

Phone Coalinga 311-R-1

Let your Highest Achievement of Yesterday be your Starting Point of Tomorrow.

HAMPISHIRES again

Sell the TOP SOW at CALIFORNIA SUMMER SALES!

THIS ASSOCIATION is indebted to progressive swinemen, leaders of the Future Farmer movement, Alfred Elliott of the Tulare County Fair, Secretary Africa of the Tulare Chamber of Commerce and all who worked so untiringly for the success of our nite sale at Tulare on August 19. We wish every purchaser complete success with his selections.

CALIFORNIA HAMPISHIRE SWINE ASSOCIATION

L. F. Corbett, Pres., Oakdale, George Hensley, Secy-Treas., Rt. 2, Box 785, Sanger

WHITE OAK HAMPISHIRES

THANKS to FUTURE FARMERS for their interest in White Oak Hampshires, resulting in the top selling animal in the last three State sales going to the Junior camp. And particularly do we commend D. L. Merker, Sanger businessman, for his presentation of the top gilt at Tulare, Aug. 19, [ $400], for presentation to the Sanger FFA Chapter. We also thank the Penney-Newman Grain Co., purchasers of the second high gilt, for presentation to the Reedley Chapter.

GEORGE HENSLEY, Route 2, Box 785, Sanger, California
FREEDOM CROP
Continued From Page 115

any of the items listed in this article. They are the hazards that take the joy out of growing many of the cultivated crops. What can be more peaceful than sitting on your porch watching your livestock graze on a lush green field of permanent pasture, knowing that regardless of the weather conditions indicated in the sky—whether wind, hail or rain—you will not have more than slight damage. Yes, freedom from worry is a very important freedom.

Freedom from financial loss. This is the sum substance of all the 11 other freedoms, because if you are not free from financial loss, you have no freedom. Although permanent pasture may not produce as much net income per acre in some years when conditions and prices are favorable for certain other crops, it will probably average out to a greater income over the long pull, and it certainly eliminates the danger of heavy losses in bad years that often wreck the farmer financially to the extent that he may not recover.

We do not recommend that all farmers have their entire acreage in pasture, but if every farmer would keep one-third of his acreage in a well balanced permanent pasture, it would not only act as a stabilizer to keep him in a better financial condition so far as the cash income is concerned, but through rotation over a period of years he could prevent soil depletion on the whole farm as has happened in so many areas throughout the country to the point of ruining the farm and the farmer. Save the soil and save your state with grass, the freedom crop.

Illustration by Katherine Field

At The Water Hole

Have you ever watched the cattle come a strollin' in to drink? They take long even swallers, then they stop a while and think. Well, after that they chew their cud and then they go lie down. Until the drink has settled, then they start to move around. They go back to the water and they drink a whole lot more, because they aim to leave with all the water they can store. If you ever handled cattle, you remember how they are. Like a bunch of old time drinkers when they're hanging 'round a bar.

They come in sort of easy and they take it kind of slow. They are in no haste to git there and they're in no rush to go. And after they have downed a drink they note the way it feels, 'til it gits to circulatin' from their hat plum to their heels.

That's where a cow has got 'em beat. A cow has got a paunch. A place where she can store her drinks and put away her lunch. And when she gets her paunch filled up it lasts a day or two. It saves her indigestion and a lot of walkin' too.

—BRUCE KISKADDON.
Coming Events

Sept. 15-18-Butte County Fair, Gridley, Calif.
Sept. 16-21-Madena West End Hereford Tour.
Sept. 16-24-Utah State Fair, Salt Lake City.
Sept. 16-Oct. 2-Los Angeles County Fair, Pomona, Calif.
Sept. 17-25-Western Washington Fair, Puyallup.
Sept. 18-Burns Hereford Bull Sale, Burns, Ore.
Sept. 21-24-Red River Quarter Horse Colt Sale, Shreveport, La.
Sept. 24-Harold Show Hereford Dispersion, Spokane, Wash.
Sept. 25-Bar Double A Ranch Quarter Horse Colt Show, Nogales, Ariz.
Sept. 25-26-Willow Range Ranch Sale, Perry, Okla.
Sept. 25-Oct. 2-New Mexico State Fair, Albuquerque.
Sept. 26-Three D's Stock Farm Quarter Horse Sale, Pl. Worth, Texas.
Sept. 27-Oct. 2-Kern County Fair, Bakersfield, Calif.
Sept. 28-Quarter Horse Sale of Flying W and Circle Bar A Ranches, Vernon, Texas.
Sept. 28-30-Jefferson Frontier Dairies Assn. Horse Show, Bakersfield, Calif.
Sept. 28-Oct. 2-Central Washington Fair, Yakima.
Sept. 29-Troop Creek Ranch Herford Dispersion, Cody, Wyo.
Sept. 29-Oct. 2-Madera District Fair, Madera, Calif.
Oct. 1-2-All Golden Horse Sale and Show, Springfield, Mo.
Oct. 3-Happyhorne Farms Hereford Dispersion, Lodi, Calif.
Oct. 3-4-Fresno District Fair, Fresno, Calif.
Oct. 6-Orrin Kuhmann Sold Hereford Sale, North Platte, Neb.
Oct. 7-Wyoming Hereford Ranch Sale, Cheyenne.
Oct. 7-16-Pacific International Livestock Exposition, Portland, Ore.
Oct. 8-9-Beaver Hereford Ranch Sale, Denver.
Oct. 9-10-Dillon Hereford Sale & Sale, Dillon, Mont.
Oct. 11-12-Sheridan Wyo. Feeder Calf Sale.
Oct. 15-20-Hereford Ranch Sale, King City, Calif.
Oct. 15-16-17-All Arabian Horse Show, Pomona, Calif.
Oct. 15-22-American Royal Livestock Show, Kansas City, Mo.
Oct. 18-National Columbia Sheep Show and Sale, Minot, N. D.
Oct. 18-Guy R. Corse Quarter Horse Production Sale, Fairgroves, Calif. Calif.
Oct. 21-23-145th National Hereford Shorthorn Sale, Kansas City, Mo.
Oct. 28-29-Pacific Coast Quarter Horse Assn. Fall Sale, Sale and Races, Fresno, Calif.
Oct. 29-30-Willow Brook Ranch Hereford Sale, Billings, Mont.
Oct. 29-31-Wyoming Hereford Futurity, Billings, Mont.
Nov. 1-14-Evergreen Ranch, Wiese, Wash.
Nov. 2-Grand National Hereford Sale, Cow Palace, San Francisco, Calif.
Nov. 3-Mid-City Hereford, Moro, Ore.
Nov. 5-Grand National Livestock Expo­position, Aberdeen, Angus, Cow Palace, San Francisco, Calif.
Nov. 5-California Duroc Breeders' Assn. Sale, Cow Palace, San Francisco.
Nov. 5-10-Clark-Miller Hereford, Phoenix, Ariz.
Nov. 5-Idaho Cattlemen's Assn. Hereford Sale, Pocatello, Idaho.
Nov. 6-Creek County Hereford Sale, Prineville, Ore.
Nov. 7-10-California Polled Hereford Assn. Sale and Show, Sacramento, Calif.
Nov. 9-12-California Polled Hereford Assn. Sale and Show, Sacramento, Calif.
Nov. 10-13-Western Montana Hereford Sale, Butte, Mont.
Nov. 11-14-Idaho Hereford Ranch Sale, Gooding, Idaho.
Nov. 11-22-Double M Hereford Ranch Sale, Pendleton, Ore.
Nov. 21-California Hereford Assn. Sale, Madera, Calif.
Nov. 21-26-10th Annual California Stock Show, San Francisco.
Nov. 22-26-Good, An! Virginia Hereford Ranch Sale.
Dec. 1-8-Illinois Hereford Ranch Sale, Ogden, Utah.
Dec. 2-8-Illinois Hereford Ranch Sale, Ogden, Utah.
Dec. 17-23-25-Planning Is as Important as the Job Left to Do, illustrated booklet by General Stewart Clipper Corp.
Dec. 16-20-California Hereford Assn. Sale, Spanish Fork, Utah.

1949

Jan. 4-7-Phoenix Stock Show, Phoenix, Ariz.
Jan. 6-13-145th National Hereford Shorthorn Sale, Kansas City, Mo.
Jan. 26-30-Seattle Hereford Futurity, Billings, Mont.
Feb. 30-March 5-6-Columbia Empire Polled Hereford Assn., Sale, Spokane, Wash.
Mar. 5-9-Northwest Hereford Breeders' Sale, Spokane, Wash.
Mar. 6-10-11-Idaho Hereford Ranch Sale, Gooding, Idaho.
Mar. 27-31-10th Annual California Sheep Dog Trials, Sacramento, Calif.

Buklets FOR RANCHMEN

The booklets listed below are free to our readers. Send request for booklets to Western Livestock Journal. If you are interested, check the booklets you want ... mail the list to us, and we'll see that the right advertiser gets your request.

PIPELINES TO PROFIT—a full color booklet giving much valuable information on Aluminum portable sprinklers.

DIESEL POWER UNITS—are well described in many sites in illustrated booklet by Witte Engine Works; also combination electric.

NEW RED INGREDIENT for cattle and sheep, a chemical manufactured by DuPont—high in protein and known as 2-6-2. Write for booklet with full details.

CATTLE FLOATS and assemblies which are trouble free are fully described in new circular by Robert Manufacturing Co.

PASTURE & RANCH irrigating systems are fully described in the new booklet by Buckner Mfg. Co.

ANIMAL PEST CONTROL—a booklet of interesting information on pest and you will receive spraying, issued by Hardie Mfg. Co.

WEED CONTROL—get latest information on new products, each to control special type of weeds and field pests, Calif. Spray Chem. Co.

STEEL-ALUMINUM BUILDINGS—for cattle, hay, grain and feed are fully described in a new booklet by Bulter Mfg. Co.

PERMANENT PASTURE—installation and care, well explained in 1949 booklet offered by Northrop, Inc. & Co.

COMMON DISEASES OF LIVESTOCK—a comprehensive booklet for all cattlemen, issued by Lederer Laboratories.

HARVESTING THE FARM WOOL CROP—a bulletin on Stewart Clipper, manufactured by Sunbeam Corporation.

PUMPS FOR EVERY USE—just indicate the type of pump you desire, and we'll send you a bulletin from Peerless Pumps to fit your need.

PASTURE AND HAY GUIDE—an illustrated booklet by Apgeller & Musser giving details on many types of pasture.

PROFITABLE FEEDING—full information for feeding of dried beet pulp is contained in this booklet by General Milk Corp.

ANIMAL HEALTH SERVICE FILE—a most unique set of booklets, with convenient holder for the set, Carter Laboratories.

HEREFORD HOGS

Quality Breeding Stock

BAKER RANCH

OROSI, TULARE CO., CALIF.

DUROCS

Backed by generations of show winners and profitable production. Our price means DELIVERED.

DUDLEY-PARKER RANCH

GAZELLE, CALIF.

10th Annual Quarter Horse Issue OCTOBER

Western Livestock Journal CLOSING DATE: SEPTEMBER 28
**INDEX TO ADVERTISERS**

<table>
<thead>
<tr>
<th>A</th>
<th>Aceti Polled Herefords</th>
<th>92</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Baker Ranch</td>
<td>145</td>
</tr>
<tr>
<td></td>
<td>Bank of America</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Bananer, Francis &amp; Sons</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>Bar Double A Ranch</td>
<td>129</td>
</tr>
<tr>
<td></td>
<td>Barber, J. E.</td>
<td>139</td>
</tr>
<tr>
<td></td>
<td>Barns-Wick Ranch</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Beall, Art</td>
<td>136</td>
</tr>
<tr>
<td></td>
<td>Bear Claw Ranch</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Bell, Robert</td>
<td>109</td>
</tr>
<tr>
<td></td>
<td>Bennett, J. W.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Blaggin, Ed</td>
<td>116</td>
</tr>
<tr>
<td></td>
<td>Bishop, Rola</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td>Blumer, A. M.</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Borg Welding &amp; Mfg Co.</td>
<td>177</td>
</tr>
<tr>
<td></td>
<td>Bower, R. E.</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Brewers Supply Co., Inc.</td>
<td>114</td>
</tr>
<tr>
<td></td>
<td>Bruno, Leonard J., M.D.</td>
<td>129</td>
</tr>
<tr>
<td></td>
<td>Buckner Mfg Co.</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>Butler's, Dale</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Buttris Co.</td>
<td>81</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>Caldwell, E. L. &amp; Sons</td>
</tr>
<tr>
<td></td>
<td>Calif. Cotton Oil Corp</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>Calhoun, Hampshire Swine Assn</td>
<td>143</td>
</tr>
<tr>
<td></td>
<td>Calif. Jockey Club</td>
<td>140</td>
</tr>
<tr>
<td></td>
<td>Calif. Polled Hereford Assn</td>
<td>89</td>
</tr>
<tr>
<td></td>
<td>Calif. Shorthorn Assn</td>
<td>98</td>
</tr>
<tr>
<td></td>
<td>Calif. Spray-Chemical Corp.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Canyon Ranch</td>
<td>79</td>
</tr>
<tr>
<td></td>
<td>Capper Laboratories</td>
<td>127</td>
</tr>
<tr>
<td></td>
<td>Catalyst Tractor Co.</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>Caster and Jones</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td>Chamberlin, Ted</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>Chandler, Freddie</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>Chandler, Herbert</td>
<td>79</td>
</tr>
<tr>
<td></td>
<td>Chester White Swine Record Assn</td>
<td>143</td>
</tr>
<tr>
<td></td>
<td>Codoni, Henry A. &amp; Sons</td>
<td>115</td>
</tr>
<tr>
<td></td>
<td>Colorado &amp; Fine Iron Corp.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Connecticut Mutual Life Ins. Co.</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Consolidated Chemical Industries, Inc.</td>
<td>148</td>
</tr>
<tr>
<td></td>
<td>Converse, E. E.</td>
<td>155</td>
</tr>
<tr>
<td></td>
<td>Corpe, Guy</td>
<td>136</td>
</tr>
<tr>
<td></td>
<td>Curtiss, Wm. D.</td>
<td>142</td>
</tr>
<tr>
<td></td>
<td>Cuffe Laboratories</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>D</td>
<td>Danuser Machine Co.</td>
</tr>
<tr>
<td></td>
<td>Daulton, H. Clay</td>
<td>83</td>
</tr>
<tr>
<td></td>
<td>Davis, Homer</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Davis, Jack</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td>Deere &amp; Co.</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Dos Pueblos Ranch</td>
<td>133</td>
</tr>
<tr>
<td></td>
<td>Dudley-Parker Ranch</td>
<td>145</td>
</tr>
<tr>
<td></td>
<td>Du Pont, E. I. de Nemours &amp; Co.</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>E</td>
<td>Evans, Cecil G.</td>
</tr>
<tr>
<td></td>
<td>Evergreen Ranch</td>
<td>101</td>
</tr>
<tr>
<td></td>
<td></td>
<td>107</td>
</tr>
<tr>
<td></td>
<td>F</td>
<td>Farmers' Fair &amp; Festival</td>
</tr>
<tr>
<td></td>
<td>Farnam Equipment Co.</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>Ferndale Ranch</td>
<td>136</td>
</tr>
<tr>
<td></td>
<td>Ferry-Morse Seed Co.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Firestone Tire &amp; Rubber Co.</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Fisher, Wayne</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>Foster, C. O.</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Franklin, O. M., Serum Co.</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Freeman, Robert L.</td>
<td>138</td>
</tr>
<tr>
<td></td>
<td>G</td>
<td>Garrett &amp; Hendricks</td>
</tr>
<tr>
<td></td>
<td>Gehring Bros</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>General Mills, Inc.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Germain, Fred</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Gloves, A. D. &amp; Son</td>
<td>142</td>
</tr>
<tr>
<td></td>
<td>Gower Ranch</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>Grab, Melrand</td>
<td>122</td>
</tr>
<tr>
<td></td>
<td>Grand National Livestock Exposition</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Groves, Virgil</td>
<td>117</td>
</tr>
<tr>
<td></td>
<td>Guttridge, J. R.</td>
<td>112</td>
</tr>
</tbody>
</table>

**H**

<table>
<thead>
<tr>
<th>I</th>
<th>Idaho Cattlemen's Assn.</th>
<th>52</th>
</tr>
</thead>
<tbody>
<tr>
<td>J</td>
<td>James Mfg Co.</td>
<td>60-61</td>
</tr>
<tr>
<td></td>
<td>Jensen Bros. Mfg Co.</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Jeppesen, Marvin S.</td>
<td>122</td>
</tr>
<tr>
<td></td>
<td>Jordan Hereford Ranch</td>
<td>59</td>
</tr>
<tr>
<td></td>
<td>Justin, H. J. &amp; Sons</td>
<td>139</td>
</tr>
<tr>
<td></td>
<td>K</td>
<td>Karpe's, A. H., Greenfield</td>
</tr>
<tr>
<td></td>
<td>Hereford Ranch</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>Kaufman, Saddlery</td>
<td>125-129-131</td>
</tr>
<tr>
<td></td>
<td>Kenworth Motor Truck Co.</td>
<td>79</td>
</tr>
<tr>
<td></td>
<td>Keyston Bros.</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>Kincade, Dr., Remedy Co.</td>
<td>131</td>
</tr>
<tr>
<td></td>
<td>Kitto, S. B.</td>
<td>123</td>
</tr>
<tr>
<td></td>
<td>Kuhmann, Ovill</td>
<td>95</td>
</tr>
</tbody>
</table>

**L**

<table>
<thead>
<tr>
<th>L</th>
<th>Laguna Ranch</th>
<th>45</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lams, Tony, Co.</td>
<td>126</td>
</tr>
<tr>
<td></td>
<td>Leatherwood Farms</td>
<td>143</td>
</tr>
<tr>
<td></td>
<td>Leddy Boot &amp; Saddlery Co.</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td>Leddy, M. L.</td>
<td>128</td>
</tr>
<tr>
<td></td>
<td>Line, H. D., Co.</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>Levi Strauss &amp; Co.</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>Livestock Sprayer Mfg Co.</td>
<td>105</td>
</tr>
<tr>
<td></td>
<td>Lolo Stock Farm</td>
<td>93</td>
</tr>
<tr>
<td></td>
<td>Los Angeles County Fair</td>
<td>131</td>
</tr>
<tr>
<td></td>
<td>Los Angeles Horse &amp; Mule Auction</td>
<td>137</td>
</tr>
<tr>
<td></td>
<td>Los Angeles Union Stock Co</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>Luce Ranch</td>
<td>114</td>
</tr>
<tr>
<td></td>
<td>Lucky Lager Brewing Co</td>
<td>89</td>
</tr>
</tbody>
</table>

**M**

<table>
<thead>
<tr>
<th>M</th>
<th>Martinson, A. S.</th>
<th>121</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mays-Dodd Ranch</td>
<td>134</td>
</tr>
<tr>
<td></td>
<td>McKenna, Charles &amp; Donald</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td>Mehren, Ralph W.</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Meeks, Mr. &amp; Mrs. Leland</td>
<td>130</td>
</tr>
<tr>
<td></td>
<td>Meninger, Merle</td>
<td>109</td>
</tr>
<tr>
<td></td>
<td>Metson, W. G.</td>
<td>140</td>
</tr>
<tr>
<td></td>
<td>Milkey Way Hereford Ranch</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Miller &amp; Teale</td>
<td>122-123</td>
</tr>
<tr>
<td></td>
<td>Miller Harness Co.</td>
<td>122-123</td>
</tr>
<tr>
<td></td>
<td>Millan Farms</td>
<td>101</td>
</tr>
<tr>
<td></td>
<td>Minneapolis-Moline Power Implement Co.</td>
<td>74</td>
</tr>
<tr>
<td></td>
<td>Moorman Mfg Co.</td>
<td>133</td>
</tr>
<tr>
<td></td>
<td>Montgomery Hereford Ranch</td>
<td>66-67-68-69</td>
</tr>
<tr>
<td></td>
<td>Morgan Horse Club</td>
<td>121</td>
</tr>
<tr>
<td></td>
<td>Mueller, Fred, Inc.</td>
<td>122</td>
</tr>
</tbody>
</table>

**O**

<table>
<thead>
<tr>
<th>O</th>
<th>Oak Park Ranch</th>
<th>105-109</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Olin-Stiesel Boot &amp; Saddlery</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>Orvis, W. S.</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>OXO Ranch</td>
<td>86</td>
</tr>
</tbody>
</table>

**P**

<table>
<thead>
<tr>
<th>P</th>
<th>Pac. Coast Aberdeen-Angus</th>
<th>107</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pac. Coast Quarter Horse Assn</td>
<td>137</td>
</tr>
<tr>
<td></td>
<td>Pac. International Livestock Exposition</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>Pac. Molasses Co.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Pac. Pipe Co.</td>
<td>48-106</td>
</tr>
<tr>
<td></td>
<td>Page, G. W.</td>
<td>122</td>
</tr>
<tr>
<td></td>
<td>Palmer, Walter</td>
<td>104</td>
</tr>
<tr>
<td></td>
<td>Palomar Ranch</td>
<td>105</td>
</tr>
<tr>
<td></td>
<td>Palomino Horse Assn, Inc.</td>
<td>133</td>
</tr>
<tr>
<td></td>
<td>Parkes, Archie</td>
<td>84-85</td>
</tr>
<tr>
<td></td>
<td>Parks, M. T.</td>
<td>155</td>
</tr>
<tr>
<td></td>
<td>Parsons, Edward E. &amp; Sons</td>
<td>115</td>
</tr>
<tr>
<td></td>
<td>Patterson, Luther V. &amp; Eva</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td>Peabody Divisions</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td>Peet, E. M., Mfg Co.</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Pecknold Fence Co.</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Peterson, Garrett Co.</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Peterson Bros.</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Pillsbury Miller, Inc.</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>Pollak Polled Hereford Ranch</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>Quaker Oats Co.</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Rain Bird Sprinkler Mfg Co.</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>Rainier Fertilizer Co.</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Ramell, Roland</td>
<td>89</td>
</tr>
<tr>
<td></td>
<td>Rancher's Angus</td>
<td>104</td>
</tr>
<tr>
<td></td>
<td>Rancher's Escondido</td>
<td>139</td>
</tr>
<tr>
<td></td>
<td>Rancho Jabali</td>
<td>138</td>
</tr>
<tr>
<td></td>
<td>Rancho San Luis Rey</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Rancho Santa Fe</td>
<td>103-104-107</td>
</tr>
<tr>
<td></td>
<td>Repport's School of Auctioneering</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>Rice, T. R.</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td>Rhoden, E. C.</td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>Richards Mfg Co.</td>
<td>132</td>
</tr>
<tr>
<td></td>
<td>Rivermeade A.A. Ranches</td>
<td>114</td>
</tr>
<tr>
<td></td>
<td>Roberts Mfg Co.</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>Roberts Loan &amp; Cattle Co.</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>Royal Poll Polled Hereford Ranch</td>
<td>90</td>
</tr>
</tbody>
</table>

**T**

<table>
<thead>
<tr>
<th>T</th>
<th>Thompson &amp; Gill, Inc.</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Thompson, Arthur W.</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Three D Stock Farm</td>
<td>137</td>
</tr>
<tr>
<td></td>
<td>TO Ranch</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>Tri-State Hereford Futurity</td>
<td>71-81</td>
</tr>
<tr>
<td></td>
<td>Trout Creek</td>
<td>82-93</td>
</tr>
<tr>
<td></td>
<td>Turner, Geo. K., Mfg Co.</td>
<td>22</td>
</tr>
</tbody>
</table>

**U**

<table>
<thead>
<tr>
<th>U</th>
<th>Union Oil Co.</th>
<th>27</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Vanderhoof, Fred</td>
<td>88</td>
</tr>
<tr>
<td></td>
<td>Van Vleit Arch Study</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Volland, C. M. and Co.</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>Walla Walla Purebred Sale</td>
</tr>
<tr>
<td></td>
<td>Weil, Walter</td>
<td>103</td>
</tr>
<tr>
<td></td>
<td>Wecht, Waldo</td>
<td>141</td>
</tr>
<tr>
<td></td>
<td>Western Boot Co</td>
<td>131</td>
</tr>
<tr>
<td></td>
<td>Williams-Ellison, Inc.</td>
<td>97</td>
</tr>
<tr>
<td></td>
<td>Williams, Hal</td>
<td>155</td>
</tr>
<tr>
<td></td>
<td>Williamson, John &amp; Sons</td>
<td>106</td>
</tr>
<tr>
<td></td>
<td>Willow Brooke Ranch</td>
<td>133</td>
</tr>
<tr>
<td></td>
<td>Wyoming Hereford Assn</td>
<td>117</td>
</tr>
<tr>
<td></td>
<td>Y</td>
<td>Young, W. F., Inc.</td>
</tr>
</tbody>
</table>

| Z | Zwald, John & Son | 65 |
HERE'S a pair of newcomers that will really catch your eye! The new John Deere Model “AO” Orchard and the new Model “MC” Track-Type Tractors.

They’re a “sharp-looking” twosome with power and performance aplenty. Seeing them in action in the field will convince you—the new Model “AO” is ‘way ahead of anything you’ve seen in a grove and orchard tractor ... the Model “MC” fills the bill completely wherever traction and stability are problems in general farming or certain orchard and vineyard work.

Your John Deere dealer will be glad to show you these tractors ... and prove to you ... they’re just as good as they look!

The New “AO” Orchard Tractor

Here’s truly an outstanding orchard tractor. Its streamlining speaks well for its practical design ... proves conclusively its fitness for the job. The shielded design saves fruit, foliage, and low-hanging branches. Its ventilated cowl protects you in the tight spots yet allows unobstructed vision at all times. The low-down construction makes it easy to work close to trees and under branches.

Performance? It’s unsurpassed. There’s new power, thanks to the all-fuel or the more powerful gasoline engine; new six-speed transmission to match every farming need; improved Powr-Trol for effortless equipment operation; and complete adaptability for a wide range of working equipment. See the new “AO” ... drive it ... and you’ll want it!

The New Track-Type “MC”

You’ll tag the new, sure-footed Model “MC” as the little giant of every drawbar job within its power range. Its looks, its precision construction, its ability to pull a 2- or 3-bottom plow, and its many other outstanding features make the “MC” a track-type tractor you’ll be proud to own.

 Arrange now to talk with your John Deere dealer about these outstanding tractors or write John Deere, Moline, Illinois, for free literature.
Provide ample phosphorus

For less than 1/2 cent per day per steer, Digesta-Bone, the highest quality sterilized steamed bonemeal, provides all the phosphorus and calcium your cattle need.

There is NO SUBSTITUTE for

DIGESTA-BONE

14% Phosphorus • 30% Calcium • 5% Protein

Give your herds free access to a 50/50 mixture of Digesta-Bone and Salt. This mix supplies all three minerals commonly lacking. It is often the only mineral supplement required.