

## Purdy selected to judge 1984 Angus Futurity

SMITHVILLE, Mo. — Tom Burke, chairman of the 1984 All-American Angus Breeders' Futurity, Smithville, Mo., and Joe Bill Meng, manager, Bowling Green, Ky., have announced that the executive committee has selected Herman Purdy of Huntingdon Farms, Alexandria, to judge the 37th Annual Show which is scheduled for July 30 and 31 at the Kentucky Fair and Exposition Center in Louisville, Ky.

Record nominations have already been received, and over \$40,000 in premiums and awards will be offered in this year's show, making it the largest premium ever offered in the history of the Angus breed in any show.

Judge Purdy is one of the most respected purebred livestock breeders in the world, and his selection to judge the 1984 Futurity marks the third time in the history of the show that he has served in this capacity. Prior assignments were in 1951 and 1973.

Purdy, born on a livestock farm in Missouri, had a long and distinguished career during his tenure of service at Penn State University and over the past four decades has judged nearly every major livestock show in the world.



Herman Purdy

Herman Purdy presently owns and manages Huntingdon Farms along with John Dawes near Alexandria, and their breeding program has produced countless national champions.

For entry forms, write to: Joe Bill Meng, Manager, ALL-AMERICAN ANGUS BREEDERS' FUTURITY, Rt. 3, Box 187, Bowling Green, Kentucky 42101, 502/529-3421.

## Limousin announces trait leaders in Sire Summary

DENVER, Co. — The North American Limousin Foundation (NALF) has released the names of the individual bulls leading its 1984 Sire Summary is each of four genetic traits: birth weight, weaning weight, yearling weight and maternal value.

Of the 2,728 bulls listed in the 1984 summary, the sire leading in birth weight is WS Nitro 157L, owned by the New Breeds Industries Inc., Manhattan, Kan. Performance data shows that Nitro's calves average 4.9 pounds lighter at birth than the average of all the bulls in the summary. Second in the birth weight category is Hibernian Nero, last year's leader in the trait. Hibernian Nero is owned by Palmetto Creek Farms, Pine Mountain, Ga.

Explorer BUIT 1L, owned by Jo-Mar Ranch, Harvey, N.D., and American Breeders Service, De Forest, Wis., leads the 205-day weight category for the second year in a row. The expected progeny difference (EPD) for this bull's calves is 14.8 pounds heavier at weaning than the summary average. Prairielane's Eros 6504H, owned by Allan Ogren, De Smet, S.D., comes in second in weaning weight this year with an EPD of 14.3 pounds.

Goldenview Krugerrand 250K, owned by McConnell Limousin Farms, Farwell, Mich., is the 1984 Limousin trait leader in adjusted 365-day weight. According to the evaluation, Krugerrand-sired calves weigh 29.4 pounds more than the sire summary average.

The second spot in yearling weight is held by Black Mercedes LIM 66K, owned by American Breeders Service, De Forest, Wis.

The final trait, maternal value, is led by Dakota Chance 77, a bull owned by Pompadour Hills Ranch, Highmore, S.D. Maternal value measures a bull's transmitting ability for milk production and is found by taking the weaning weights of the bull's daughters' calves. The data shows that Dakota Chance 77's daughters wean calves that are 12.4 pounds heavier at weaning than the summary average. Circle Hercules, owned by Gregg Thompson, Broken Arrow, Okla., has the second highest maternal value, an EPD of 9.1 pounds.

The 1984 Limousin Sire Summary also includes an honor roll listing of bulls that excel in at least three of the four traits and are average or better in the other one. This year, 70 bulls qualified for the honor roll, compared to 19 last year.

The '84 Limousin Sire Summary is the most complete and accurate sire evaluation that has ever been published. It is the first one in the beef industry to use the new genetic relationship matrix on all traits and the BLUP (Best Linear Unbiased Prediction) method for calculating maternal values.

The Limousin Sire Summary may be obtained free of charge by contacting the North American Limousin Foundation, 100 Livestock Exchange Bldg., Denver, Co. 80216.

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## ENTER DATA



## Limousin releases industry's best sire summary

DENVER, Co. — The 1984 Limousin Sire Summary is out, and Dr. Keith Bertrand and Dr. Larry Benyshek, both of the University of Georgia, say the new edition can be described as "a 'dam' sight better than last year's summary."

In fact, the Limousin summary is a "dam" sight better than any of the U.S. breed sire evaluations that have been published so far, because it is the first and only one that includes information on dams in the sire analysis procedures.

Up until now, when values for sire evaluations were computed, it was assumed that the sire's offspring resulted from random matings, and the dam's genetic contribution was ignored as more or less a constant. However, in many cases, the progeny were not the products of a random mating system, but of a controlled breeding program, in which better sires were mated to better cows, or heifers were mated to easy calving

bulls.

Either of these circumstances would throw the calculations off, and the bull's score in the sire summary would reflect more genetic credit than he actually deserved, because at least part of the calves' superiority came from the dam.

However, the 1984 Limousin Sire Summary marks a breakthrough for performance records in the cattle industry. For the first time, the summary incorporates information on dams in the evaluation process; and the computer makes an adjustment for the genetic material that was transmitted by the cow. As a result, the expected progeny differences (EPDs) in the new Limousin sire summary present the most accurate and complete measure of genetic differences between sires that is available today.

In addition to evaluating a bull's offspring when figuring EPDs, sire summaries also use pedigree information. In the past, only information from the sire side of the pedigree was used, but the new Limousin summary also uses relationships from the dam side. Using both sides of the pedigree increases the accuracy of prediction, which is especially important when evaluating young bulls with few progeny. Studying data from both the sire and dam sides also helps to account for genetic trends in the Limousin breed.

A third improvement in the 1984 Limousin sire evaluation is in the area of maternal traits. Before, only the sire's daughters' first calf weaning weights were used to predict his potential for transmitting milking ability to his daughters. The new summary includes records on all of the daughters' calves. The maternal EPD scores are more accurate because they have been adjusted for the number of daughters' progeny and the repeatability of weaning weight.

Benyshek and Bertrand, the scientists responsible for the changes in the 1984 Limousin Sire Summary, say the new methods "have enhanced the accuracy of the genetic evaluations tremendously." They say the summary is based on "sound genetic principles developed through the contributions of many researchers."

Because of the new procedures, the Limousin Sire Summary is not only the most accurate and most complete evaluation ever published, but also the largest, with more than 2,700 entries.

The '84 Limousin Sire Summary is available upon requests made to the North American Limousin Foundation, 100 Livestock Exchange Bldg., Denver, CO. 80216.

## AK-SAR-BEN to host Natl. Polled Shorthorn event

OMAHA, Nb. — The 1984 National Polled Shorthorn Congress will be held March 30-31 at Ak-Sar-Ben Field, Omaha, Ne. This annual show and sale is sponsored by the American Polled Shorthorn Society, and both the show and sale will feature 64 lots of strictly polled seedstock.

The sale will see top quality, high performance Polled Shorthorn bulls and females from top herds in the United States and Canada sell to buyers from across the continent. As in the past, numerous show champions, both past and upcoming, will be auctioned to the highest bidders.

Scheduled events during the congress include a show of sale cattle beginning at 1 p.m., March 30. Dr. Jerry Lipsey, University of Missouri, Columbia, Mo., will judge the show and evaluate the offering. The sale will then be held March 31, beginning at 10:30 a.m.

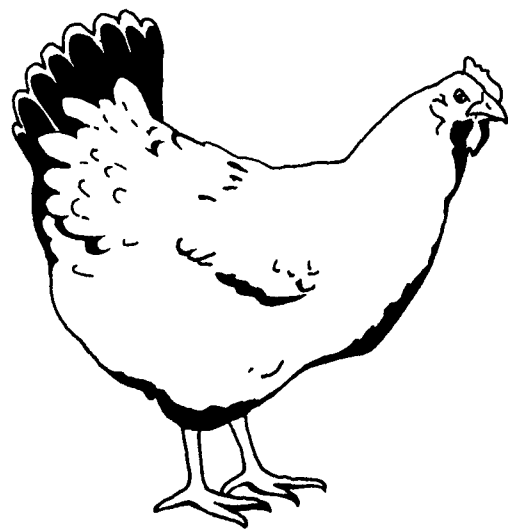
Additional agenda items include the annual meeting of the American Polled Shorthorn Society and a fund raising activity for the American Junior Shorthorn Association.

Consignors to the 1984 National Polled Shorthorn Congress Show and Sale are: AA Farm, Arnold Krog, Lake Benton, Mn.; Aberfeldy Farms, Milton, Ontario, Canada; William Bales, Morristown, Tn.; Bent Spear Cattle Co., Ansley, Ne.; Sherman Berg, Blair, Ne.; Berg's Shorthorns, Osage, Ia.; Bern-A-Dale Shorthorns, Oakland, Ia.; Cates Farms, Modoc, In.; Cloy Cheesman & Family, Modoc, In.; Chris Haven Farm, Seymour, Tn.; and Dauland Farm, Inkster, N.D.

Also Lonnie Flack, Nevada, Ia.; LeRoy Getzelman, Hampshire, Il.; Robert Hahn & Sons, Mionok, Il.; Calvin Hiatt Jr. & Sons, Cicero, In.; High Point Farm, Columbia, Mo.; Phillip Hueneke, Bellevue, Ia.; J & J Humphreys, Wolcott, In.; Pete Hunter, Coggon, Ia.; Maurice and Faye Korhaus, Prospect, Ky.; Wilber Korhaus & Sons, Walcott, Ia.; Lazy D Ranch,

Excelsior Springs, Mo.; Robert Mohn, Cottonwood, Mn.; North Valley Farm, Neche, N.D.; and Oak Hill Farm, Austin, Mn.

And Ralph J. Pope & Son, Metcalf, Il.; Riverbend Shorthorns, Breckenridge, Mi.; Rolyn Shorthorns, Delavan, Il.; S & S Cattle Co., Greenfield, In.; Sangamon Farms, Dewittville, N.Y.; Schrag Shorthorn Farms, Marion, S.D.; Dean Steck, Delavan, Il.; Darrel Steck & Sons, Wataga, Il.; Robert Stevenson, St. Johns, Mi.; Stonelea Farm, Prospect, Ky.; Sutherland Shorthorns, Prospect, Ky.; Edgar and John Wise, Bethany, Il.; and Todd Wise, Owanecco, Il.



## Southeast Poultry Federation to meet at Quakertown

QUAKERTOWN — The Southeast Pa. Poultry Federation will hold its annual meeting March 27, beginning at 6:30 p.m. at Meyers Restaurant in Quakertown.

Guest speaker will be Jerry Webb, University of Delaware Extension Service. A turkey and ham dinner will be served. For reservations, which are due March 20, contact Jim Elias, Moyer and Sons, at 215-723-6001

