

## Sire summary breakdown

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production on the daughters might be less than a hundred, and those records are projected to three hundred and five."

The projected records, a recent change in summaries, has allowed bulls to be summarized at least six months earlier than they had been, said Roth.

"The predictions are pretty accurate," Roth said. "Generally, it will forecast bulls on the low side than on the high side."

In the next two figures, the summary will also indicate the percentage of daughters culled in their first lactation and the percentage of first calf heifers that haven't finished a record.

A bull's family or pedigree influence is listed in parentheses, Olver pointed out.

"Bulls are placed in various pedigree categories depending on their sires and maternal grand-sire," said Olver.

"As a bull has few daughters, the pedigree influence is generally larger. As he gets higher in repeatability, the pedigree influence gets down to nothing," he noted.

A pedigree influence reaches its maximum at about 50 percent repeatability, a measure of the bull's actual performance, not his family's.

Finally, the predicted dif-

ferences for milk, fat, test and dollars, ranks a bull with other summarized sires.

Roth expressed concern that breeders may have a false notion that the highest PD bull is automatically going to sire more milk per cow.

In all probability, a breeder may find that a group of animals sired by a high PD bull will milk more than a group sired by a lower PD sire, explained Roth.

However, Roth pointed out that within the group sired by a lower PD bull, a breeder may have a cow that, in any given lactation, will produce more than the highest producing daughter of the high PD sire.

An important tool on the summary has been the use of PDs, reported Olver.

"When PD dollars first came out," said Olver, "it gave us a way to compare bulls that sired a lot of milk and no test as opposed to bulls that sired high test and not quite as much milk."

Each year, thousands of young bulls enter sampling programs, either through established studs, syndicates or breeders.

When using young sires, Roth stressed the importance of randomness.

"A bull that's accepted for the young sire sampling program has as good a chance as the next young

bull," said Roth. "Bulls who seem to have the greatest popularity in the sampling status, do not necessarily turn out to be the greatest bulls at proof time.

But from the "cream of the crop," selected each year, only 10 percent will meet the necessary

criteria that will allow him to pass his genes on to future generations.

In the wild, animals improved their species through natural selection. Only the strong were able to propagate. In today's livestock industry, the evolution of superior individuals depends on a

human's ability to decipher information and make the logical choice. The USDA sire summaries provide us with much of that information, necessary to keep the dairy industry moving forward, if not by leaps and bounds, by one step at a time.

## PUBLIC SALE

SATURDAY, MARCH 13

10:30

At Copenhanver's Farm Supply, New Bloomfield, Penna.

### TRACTORS

Allis-Chalmers-D-19, D-17, D-14, WC, C. International-444, 400, M, H, Cub Mower. John Deere-3010, 2010, 60. Case-1830 Skid Steer Loader, Demonstrator. Garden Tractors, Economy, Cub Cadet, Ferguson, AC.

### NEW AND USED MACHINERY OF ALL KINDS

Plows-1,2,3,4,5 bottoms, disk harrows, 6-8-10 ft., Spring Tooth harrows, corn planters, 2-4 rows, wagons, gravity bins, haybines, hay rakes, mowers, spreaders, trailers, cultivators, cultipackers, pt. corn sheller, fertilizer spreader, silo filler sprayer, wood saw, elevators, hay conditioner, 3 pt. backhoe, loaders, bale elevator, rakes, flail chopper, grain drill, 3 pt. blades, fuel tanks.

New tools, tires, hardware, windows, doors, rafters, lumber, electric cable, paint, etc.

This is a partial listing. It could change until sale day. Last year we had 453 ps. and all selling but 5.

Bring a load, or buy a load. We sell on comm. Do not bring things if you do not want to sell. This is not an appraisal sale. We sell. Bring Good weather and good check.

Blain Rentzel, Auct.

Lyter, Clerk

Brunner, Clerk

## JUNIATA CO. FARMETTE, ACREAGE OR 73 AC. FARM AT ESTATE SALE

SATURDAY, APRIL 24

Located in eastern end of Co. near Richfield.

PARCEL #1 - 5 ac. cleared w/double dwelling & bank barn w/33 tie stalls.

PARCEL #2 - 29 ac. level, cleared w/frontage.

PARCEL #3 - 38 ac., 33 cleared, 5 wooded w/frontage.

Each parcel offered separate and then as one unit, total of 73 ac. For brochure contact:

Long Bros., Aucts.

R.D. #2, Port Royal, Pa. 17082

Ph. 717-527-4784

## PUBLIC SALE OF VALUABLE REAL ESTATE AND FARM MACHINERY

THURSDAY, MARCH 18, 1982

At 9:30 A.M.

At R.D. #2, Red Lion, Pa., York Co. in York Twp. located along Springwood Road between Yoe and Queensgate Shopping Center. The undersigned Executors of the Paul A. Heindel Estate will offer at public sale the following -

### REAL ESTATE

Farm consisting of approx. 70 acres, there are approx. 60 acres of farming land, balance being woodland & land around the bldgs. Farm has good fertile soil, 2 good springs of water. Improvements consists of a frame & stone house with 8 rooms, bath, cemented basement, heated by oil heat, also an attached cinder block building with a walk-in refrigerator, yard area, water supplied by spring. Other buildings consist of a frame barn, corn barn, implement shed, large 2-story cement block chicken house, one-car cement block garage, hogpen & other out bldgs. Real estate will be open for inspection on Saturday February 27, March 6, 13, 9 A.M. to 3 P.M. or by special appt. phone 244-3843 or call auctioneer. Real estate will be offered at 1 P.M. on day of sale. Terms: 10% down, balance in 60 days.

### FARM MACHINERY

1980 Int. 686 Diesel tractor with less than 500 hours - tricycle, 2 pt. hitch, very clean, Farmall Super H tractor with cultivators has overhauled engine, 1959 Farmall 460 gas tractor with 3500 hours 2 pt. hitch, Farmall Super M Tractor with 2-row corn picker, Farmall Cub Tractor with cultivators, mower & plow, like new rubber with an overhauled engine, New Idea manure loader fits 460 or M, Int. 510 drill, McDeering 76 pull type combine, New Holland Super hay baler, J. Deere side delivery rake, Int. 155 manure spreader, 2 - New Idea rubber tire wagons, 1 Case rubber tire wagon, Four horse wagon, McDeering 2-row pick up type corn planter 2 pt. hitch, 3 section spring harrow, cultipacker, disc, 2 and 3 bottom McDeering plows, Farquahr potato plow, shovel plow, 3 two wheel trailers, Int. mower, Smoker elevator, grain auger, 14 ft. trough elevator, Int. 10" hammermill, J. Deere cylinder corn sheller, water trough, 3 - 275 gal. gas tanks, front end mounted #10 Buch saw, Lincoln AC-225S welder, Homelite chain saw, old chain saw, small air compressor, rubber tire metal wheelbarrow, 30 ft. ext. ladder, McDeering milking unit with 2 milkers, single row garden planter, 2 milk cans, 4 gal. Agway hand sprayer, scrap piles, old baler for scrap, approx. 700 bales of mixed hay & wheat straw, 1970 Ford truck with cattle racks & sideboards mileage 37,000, 1973 Yamaha 250 dirt bike, also lot of the usual small items off the wagons. Note: Majority of above pcs. are in good to very good condition. Not responsible for accidents on day of sale. Refreshment rights reserved.

TERMS: Cash or Approved Check.

SARA E. HEINDEL  
EARL W. HEINDEL  
Executors

Jacob A. Gilbert, Auctioneer

Phone 252-3591

Samuel S. Laucks, Jr., Attorney

## PUBLIC SALE OUTSTANDING ANTIQUE COLLECTOR'S SALE

From the Fine Collection of Clyde Attig of Shrewsbury, PA  
FRIDAY, MARCH 19, 1982

At 9:00 A.M.

Sale to be held in the Shrewsbury Fire Co. Hall, 1/4 mile off Exit 1 of I-83 or just one block from the square of Shrewsbury, York Co., PA.

2 small steam engines (believed to be models of the old York Ice Co.), one dated 1902 size 20" long x 12" high x 8" wide, one named Brenner has a York date of 1922 size 45" long x 18" high x 8" wide, both in glass cases; wood miter box made by Boss Mitering Co., Christiana, Lancaster Co. dated 1887 (a museum piece); several right & left handed German type signed Goose wing axes; broad, bark, goosewing, post hole & splitting axes; skips gutter & coopers adzs; all kinds of chisels; basket making tools; lg. asst. of wood planes of every description & shape in mint cond.; draw knives; coachman routers; plane to make handles; sun plane; Stanley 45 plane; post hole saw; corner brace; wooden brace; post augers & others; Ed Helb grade level Railroad, PA.; tanners anvils; blacksmith tools; lot of miniature tools; scythe sharpening bench; ice saws; chamfering knives; lg. tap & die set; Railroad rail gauge; hardware scales w/brass beam & scoop; wood ski bicycle; wood & iron sausage stuffer; wood & iron meat grinders; wooden fork; dough tray; wood wheel express wagon; 2 prospectors water casks; 5 bullet molds, 1 brass; cranberry picker; copper wash boiler; lot of wood boxes w/names; enamel PA. license plates 1907 to 1916 in mint cond.; lot of good Tonka toys; story candy case w/cash drawer; pretzel & cheese cases; 2 dr. walnut chests; apple & peach peelers; cherry seeders; horse shoeing box w/lot of tools; gypsy pot; other kettles; SETS OF BRASS HAME BELLS & FIFTH CHAIN FOR A 6 HORSE TEAM; 2 beautiful strings of lg. graduated sleigh bells; dated sleigh bells; shaft bells; hand bells; brass ship & Navy bell; brass top hames; trolley bell; rough lock chains; dated wagon jacks; tar pots; stage coach horn & many fine items not mentioned.

Preview Showing: Thursday Eve., March 18 from 6:00 - 9:00 P.M. These are some of the finest tools & collector's items you will ever see in a public sale. Many are museum pieces.

Terms: Cash or approved check

CLYDE ATTIG

Owner

Shrewsbury, PA

Robert L. & Thomas H. Sechrist

Auctioneers

Anderson & Warner, Clerks

Not responsible for accidents

Good Food Available

## PUBLIC AUCTION FARM MACHINERY, TRACTORS, TWO SILOS, CROPS

MONDAY, MARCH 15, 1982

At 11:30 A.M.

Location: East of the Intersection of Rts. 100 & 401 on Birchrunville Rd., East Vincent Twp., Ludwigs Corner, Pa. Chester Co.

Machinery as follows: Oliver 1855 Dsl. tractor w/Meyer 8 ft. Snow Plow 2535 hrs. w/t fully equip.; Oliver 1655 Dsl. tractor w/t fully equip. 2103 hrs; Oliver 550 Gas tractor w/Souder loader; Case model 1530 skid loader; Oliver semi-mounted 5-bottom 16" reset plow; Oliver model 241 transport disc 10 ft.; Oliver model 200 transport harrow 12 ft.; Two Oliver wagons w/bale racks; two grain wagons; N.H. model 315 baler p/t/o w/hydraulic steering thrower; NH model 27 p/t/o blower w/whirl feed; Gehl model 800 blower p/t/o, blower w/recutter; two Gehl model 800 self unloading wagons; New Idea model 767 super chopper w/grinder, 2 row corn head and pick-up attachment, fit New Idea unharvester; New Idea 7 ft. p/t/o conditioner; Sunoco transport p/t/o stone picker; 3-point cement picker; N.H. model 259 roll-a-bar rake; N.H. model 676 200 bu. tandem axle single beater manure spreader; N.H. model 469 9 ft. haybine; transport 10 ft. cultipacker, 3-point hook-up Bush Hog rotary motor; Little Giant 32 ft. bale and grain elev.; grain auger; Harvest handler 16 ft. grain elevator; transport weed sprayer; Dodge 1975 model 600 cab and chassey w/new motor, 825 x 20 tires, takes an 18 ft. body; Harvestore 20'x30' silo w/Hercules unloader; 20'x80' concrete stave silo w/star line unloader; 60" of 8" auger; 60" Patz Drag feeder; Delaval dumping station w/glass pipe; 3 DeLeval milker unit 80 lbs.; Surge SP22 milker pump; Surge electric fly killer; water bowls; tread power wheels; feed carts; breeding wheel; corn sheller; oil tanks and pumps; 40' ladder; water heater; old harness; two Indian motorcycles model 100 & 125; Agway 40' x 80' loafing barn w/44 free stalls; two sleighs; bob-sledd; old buggy; Hay by the bale. Misc. farm tools not listed.

By the Order of:

JOHN & MARY BRUNER

Sale Conducted by:

Whitford Sales Company

L. Robert Frame, Auctioneer

P.O. Box 100 Uwchland

Eagle, Pa. 19480

215-458-5060

Icy conditions cause severe deer losses

HARRISBURG — Thousands of deer are being lost to icy conditions in Pennsylvania, according to Game Commission field reports.

Several thousand whitetails have been found dead and injured in the northcentral part of the state alone, with Clinton, Lycoming, Tioga, Potter, Cameron, and Elk Counties being hardest hit.

Deer lose their footing on steep mountains and hills, and often slide from the top of a ridge to the bottom, unless they encounter a tree or rock on the way down. Backs, necks, legs and ribs are usually broken, often resulting in the death of the deer.

In numerous instances, the deer's hind feet and legs go in opposite directions on ice, resulting in split pelvises. Of course, these deer perish too.

Thus far, starvation losses have been relatively low, but a continuation of severe weather undoubtedly will result in additional mortality.

The statewide situation thus far is not of catastrophic proportions, but it becomes more serious as winter continues its mean onslaught of 1982.

