

NWSS Champions Reign at 2004 National Angus Show

National Western Stock Show Super-Point Roll of Victory Show

Jan. 14 and 16, Denver, Colo. • **Judge:** Jack Ward, Plattsburg, Mo.



► Heifers are paraded around the showing to be evaluated on the move. Judge Jack Ward, Plattsburg, Mo., looked for females that were free-moving and sound.

Angus enthusiasts paraded 298 entries before judge Jack Ward, Plattsburg, Mo., at the 2004 National Western Stock Show (NWSS) Super-Point Roll of Victory (ROV) Show, Jan. 14 and 16 in Denver, Colo. The NWSS was the 2004 National Angus Show, where Ward selected champions from 218 females, 79 bulls and one cow-calf pair.

Bush's Absolute Power claimed grand champion and junior champion bull honors. Absolute Angus, Bristol, Tenn.; Clifford Bush & Sons, Britton, S.D.; and Gamble Angus Farm, Clinton, Tenn., own the April 2002 son of Vermilion Dateline 7078.

Wilson Cattle Co., Cloverdale, Ind., showed the reserve grand champion bull. WCC Extra Stout N7 is a January 2003 son of TC Extra 9140. He first won winter bull calf champion.

Wells Beauty 12W captured grand champion female honors for Zachary Wells, Hamilton, Texas. The February 2002 daughter of Leachman Saugahatchee 3000C first topped the junior division.

WK Exciting Elluna 3173 claimed reserve grand champion female. Whitestone-Krebs, Gordon, Neb., owns the February 2003 daughter of BR Midland that first won winter heifer calf champion.

Katy Satee, Montague, Texas, led the grand champion cow-calf pair. DAJS Lauren K024 is a September 2000 daughter of Leachman Saugahatchee 3000C. An October 2003 son of Northern Improvement 4480 GF was at side.

Progeny of Leachman Saugahatchee 3000C claimed first-place junior get-of-sire and first-place get-of-sire. The junior get-of-sire entry is owned by Champion Hill, Bidwell, Ohio; Zachary Wells, Hamilton, Texas; Rosewood Cattle Co., Salem, Ill.; and LaGrand Angus Ranch, Freeman, S.D. Champion Hill, Wells and LaGrand showed the winning get-of-sire entry.



Wilson Cattle Co. showed the winning breeder's best-six-head entry.

Bruce and Amie Stertzbach, Louisville, Ohio, received the Herdsman Award at the NWSS Angus Herdsman's Banquet, Jan. 12.

A complete list of winners follows.



► Judge Ward sorted through 25 classes before selecting the grand champion female.



► Before selecting the grand champion bull, Ward shared with the crowd his thoughts on the future of the beef industry. He said the bulls in the showing will likely affect the Angus industry, so onlookers should select the bulls they like and sample them.

CANDID PHOTOS BY CORINNE PATTERSON

CLASS WINNERS

COW-CALF PAIRS, by class

Class 1C (9-6-00)

1. DAJS Lauren K024, by Katy Satree, Montague, Texas.

FEMALES, by class

Class 1H (6-2-03 to 5-2-03)

1. SCC Queen Beyonce 3053, by Justin Brosey, Hamilton, Ohio. 2. Dameron Karama 3130, by Dameron Angus Farm, Lexington, Ill. 3. WAF Missie 3127, by Weaver Angus Farm, Peoria, Ill.

Class 2H (4-24-03 to 4-6-03)

1. Dameron Northern Miss 3114, by Dameron Angus Farm, Lexington, Ill. 2. LCCC Ida Belle 33, by Ann Ewald, Waldorf, Minn. 3. LKM Savvy 319, by Lindsey Morgan, Canby, Ore.

Class 3H (4-5-03 to 4-1-03)

1. Champion Hill Lady 3458, by Mandy Richardson, Louisa, Va., and Champion Hill, Bidwell, Ohio. 2. EXAR Blackcap Lady 3717, by Express Angus Ranches, Shawnee, Okla. 3. Dameron Lady 387, by Ashlyn Carter, Upland, Ind.

Class 4H (3-29-03 to 3-16-03)

1. Dameron Bardot 383, by Julie Dameron, Lexington, Ill. 2. WAF Missie 3104, by Amber Barker, Sparks, Nev. 3. PHW Queen of Diamonds 303, by Dillon Stertzbach, Louisville, Ohio.

Class 5H (3-13-03 to 3-6-03)

1. CS Valees Liberty 305, by Jeana Sankey, Council Grove, Kan. 2. PF 104 Blackbird 3164, by Pollard Farms LLC, Waukomis, Okla. 3. BT Juanada Viking 655N, by Beartooth Ranch, Columbus, Mont.

Class 6H (3-5-03 to 3-1-03)

1. WCC Forever Lady N110, by Wilson Cattle Co., Cloverdale, Ind., and Dorrell Farms, Martinsville, Ind. 2. EXAR Queen 3047, by Opperman Cattle Co., Sandy, Ore., and Express Angus Ranches, Shawnee, Okla. 3. Pridola 723 of Woodlawn, by Chelsea Frost, Tallula, Ill.

Class 7H (2-27-03 to 2-19-03)

1. Malson's Heather JO 31N, by Mark and Carla Malson, Parma, Idaho. 2. OSU Blackbird Gem 3172, by Oklahoma State University, Stillwater, Okla. 3. Silveira's Elba 3331, by Garrett Blanchard, Mendota, Calif.

Class 8H (2-18-03 to 2-15-03)

1. LaGrand Forever Lady N652, by Jennifer Smith, Marshall, Texas. 2. WF MP Isla 393, by L.B. Pierce & Sons Inc., Creston, Ill. 3. WK Erica Blackbird 3236, by MCM Farms, Whitestown, Ind.

Class 9H (2-14-03 to 2-8-03)

1. PF 104 Witch 3081, by Pollard Farms LLC, Waukomis, Okla. 2. Dameron Rito Lady 335, by Dameron Angus Farm, Lexington, Ill. 3. EXAR Mabel 3615, by Zach Bailey, Fayetteville, Tenn.

Class 10H (2-7-03 to 2-4-03)

1. WK Exciting Elluna 3173, by Whitestone-Krebs, Gordon, Neb. 2. Champion Hill Blackclass 3330, by Jennifer Ringwelski, Marengo, Ill., and Champion Hill, Bidwell, Ohio. 3. LaGrand Lady Echo 3497, by Michael Murphy, Jefferson, Iowa.

Class 11H (2-3-03 to 1-25-03)

1. LaGrand Pride Lucy 3451, by Kallie Kovert, Crothersville, Ind. 2. WK Midnite 3126, by Whitestone-Krebs, Gordon, Neb. 3. G13 Blackbird 3005, by Casey Leppert, Caldwell, Idaho.

Class 12H (1-23-03 to 1-17-03)

1. WAF Missie 3028, by Weaver Angus Farm, Pe-

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GRAND CHAMPIONS



► Grand champion and junior champion bull, **Bush's Absolute Power**, by Absolute Angus, Bristol, Tenn.; Clifford Bush & Sons, Britton, S.D.; and Gamble Angus Farm, Clinton, Tenn. He's an April 2002 son of Vermilion Dateline 7078.



► Grand and junior champion female, **Wells Beauty 12W**, by Zachary Wells, Hamilton, Texas. She's a Feb. 2002 daughter of Leachman Saughatchee 3000C.



► Grand champion cow-calf pair, **DAJS Lauren K024**, by Katy Satree, Montague, Texas. She's a Sept. 2000 daughter of Leachman Saughatchee 3000C. Her calf is an Oct. 2003 son of Northern Improvement 4480 GF.

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oria, Ill. 2. BT Blackbird 74N, by Beartooth Ranch, Columbus, Mont. 3. Akers Lady Blackbird 3009, by Megan Favorite, Fayetteville, Tenn.

Class 13H (1-16-03 to 1-5-03)

1. LaGrand Kay 3620, by Jennifer Smith, Marshall, Texas. 2. Champion Hill Georgina 3291, by L.B. Pierce & Sons Inc., Creston, Ill., and Champion Hill, Bidwell, Ohio. 3. Gamble's Elba 871, by Zach Bailey, Fayetteville, Tenn.

Class 14H (1-4-03 to 1-1-03)

1. BC Pure Pride 413 854E 304, by Kyle Conley, Clarksdale, Mo. 2. LaGrand Primrose Lady H307, by Amber Barker, Sparks, Nev. 3. WCC Blackcap N9, by Wilson Cattle Co., Cloverdale, Ind., and Express Angus Ranches, Shawnee, Okla.

Class 15H (12-26-02 to 11-1-02)

1. LaGrand Georgina 3171, by Amber Barker, Sparks, Nev. 2. New Haven Pride 2196, by Brandon New, Leavenworth, Kan. 3. Champion Hill Peg 3180, by Richie Thompson, Point Pleasant, W.Va.

Class 16H (10-27-02 to 10-1-02)

1. Gamble's Famous Lady 860, by Will Zarecor, Newbern, Tenn. 2. Da-Es-Ro Perfection 1852, by D.E. Schlutz & Son, Columbus Junction, Iowa. 3. Hedgewood Estelle 205, by Hedgewood Prairie, Enterprise, Kan.

Class 17H (9-27-02 to 9-11-02)

1. WAF Forever Lass 2168, by Bar None Angus Ranch, Flanagan, Ill., and Weaver Angus Farm, Peoria, Ill. 2. Laffin's Primrose 2074, by Robert Laffin II, Olsburg, Kan. 3. JAC's Miss Traveler 2317, by JAC's Ranch, Bentonville, Ark.

Class 18H (9-8-02 to 9-1-02)

1. Champion Hill Georgina 3153, by Jennifer Ringwelski, Marengo, Ill. 2. PF Lindsey's KEM 2337, by Lindsey Lawson, Calhan, Colo. 3. JAC's Beauty 2564, by JAC's Ranch, Bentonville, Ark.

Class 19H (8-26-02 to 7-6-02)

1. Champion Hill Georgina 3080, by Austin John, Selma, Texas. 2. ACF Blackbird 2211, by Monarch Farm, Folsom, La., and Express Angus Ranches, Shawnee, Okla. 3. Hoff Flower SC 790 2326, by Ann Ewald, Waldorf, Minn.

Class 20H (5-29-02 to 5-1-02)

1. TJ Pride A225, by Ashley Berkram, Park City, Mont. 2. Magic Meadow Cheyenne 502, by Wilson Cattle Co., Cloverdale, Ind., and Leslie Craft, La Porte, Ind. 3. Fernvale Plowess 203, by Dana May, Mineral Point, Wis.



► Ward waves to showmen to bring their heifers into the lineup. First- and second-place winners came back to compete for division champion and reserve grand champion.

Class 21H (4-21-02 to 3-20-02)

1. Princess of Sedgwick's 1992, by Courtenay DeHoff, Tonganoxie, Kan. 2. Malson's Eileen 24M, by Jared Malson, Parma, Idaho. 3. Damearon PVF Proven Queen 238, by Justin Adcock, Moweaqua, Ill.

Class 22H (3-19-02 to 3-1-02)

1. RSFF Phyllis 2028, by Dillon Stertzbach, Louisville, Ohio. 2. BAF Best Girl 2027 WAF, by Weaver Angus Farm, Peoria, Ill., and Steve Hillman, Morton, Ill. 3. DAJS Diana M212, by Katy Satrie, Montague, Texas.

Class 23H (2-22-02 to 2-1-02)

1. Wells Beauty 12W, by Zachary Wells, Hamilton, Texas. 2. WCC Miss Rowena M57, by Wilstem Cattle Co., French Lick, Ind., and Wilson Cattle Co., Cloverdale, Ind. 3. WCC Barbara M84, by Kyle Anderson, Chrisman, Ill.

Class 24H (1-30-02 to 1-1-02)

1. Champion Hill Blackcap 2782, by L.B. Pierce & Sons Inc., Creston, Ill. 2. BT Queen 241M, by Beartooth Ranch, Columbus, Mont. 3. Sedgwick's Pride 2404, by McCurry Bros., Sedgwick, Kan.

Class 25H (12-16-01 to 9-28-01)

1. MCM Roth Lady Agnes 1400, by Lucas Neumayr, New Richmond, Ind.; MCM Farms, Whitestown, Ind.; and LaGrand Angus Ranch, Freeman, S.D. 2. GAF Princess Danielle, by Jeremy Armstrong, Unionville, Tenn. 3. Craig's RC Daisey Mae 168, by Ryan Craig, Fort Collins, Colo.

BULLS, by class

Class 1B (6-8-03 to 5-2-03)

1. Craft MCM 2382 Tecumseh 355, by MCM Farms, Whitestown, Ind. 2. PT DV8 LaGrand 703, by Pheasant Trek, Wilton, Calif. 3. G13 Future Direction 3046, by Greg Smith, Elida, N.M.

Class 2B (4-19-03 to 3-20-03)

1. Bush's Ambition 507, by Clifford Bush & Sons, Britton, S.D. 2. WAF Sagahatchee 3101, by Weaver Angus Farm, Peoria, Ill. 3. TC Forefront 3275, by TC Ranch Inc., Franklin, Neb.

Class 3B (3-15-03 to 3-2-03)

1. Malson's Cobra 50N, by Joseph Malson, Parma, Idaho. 2. WCC Prince N112, by Wilson Cattle Co., Cloverdale, Ind. 3. K Bar D Can Du DB, by K Bar D, Redmond, Ore.

Class 4B (2-25-03 to 2-1-03)

1. Gamble's Undertaker, by Holly Gamble, Clinton, Tenn. 2. WF MP Exactly Right 373, by L.B.

RESERVE GRAND CHAMPIONS



► Reserve grand champion and winter calf champion bull, **WCC Extra Stout N7**, by Wilson Cattle Co., Cloverdale, Ind. He's a Jan. 2003 son of TC Extra 9140.



► Reserve grand champion and winter heifer calf champion, **WK Exciting Elluna 3173**, by Whitestone-Krebs, Gordon, Neb. She's a Feb. 2003 daughter of BR Midland.

Pierce & Sons Inc., Creston, Ill., and Clifford Bush & Sons, Britton, S.D. 3. Plainview New Design D48, by Styles Plainview Angus Farm, Brentford, S.D.

Class 5B (1-31-03 to 1-12-03)

1. Plainview Sudden Impact D27, by Styles Plainview Angus Farm, Brentford, S.D. 2. G13 Structure 3011, by Greg Smith, Elida, N.M. 3. BC 854E 8023, by Kyle Conley, Clarksdale, Mo.

Class 6B (1-10-03 to 1-1-03)

1. WCC Extra Stout N7, by Wilson Cattle Co., Cloverdale, Ind. 2. Dameron PVF Explorer 316, by Prairie View Farm, Gridley, Ill. 3. BC Belle Ringer 854E 4053, by Kori Conley, Clarksdale, Mo.

Class 7B (12-12-02 to 11-5-02)

1. CQS Bando Connection 5042, by Callie Smith, Lebanon, Tenn.

Class 8B (10-4-02 to 9-4-02)

1. DAJS All Star M243, by Katy Satree, Monta-

gue, Texas; 4G Angus, Rising Star, Texas; and Chambers Cattle Co., May, Texas. 2. Laflin's Cutting Edge 2075, by Laflin Trust, Crab Orchard, Neb. 3. Bear Mtn. Dateline 2344, by Bear Mountain Angus Ranch, Melba, Idaho.

Class 9B (8-18-02 to 7-14-02)

1. BC Marathon 7022, by Holly Gamble, Clinton, Tenn., and Kyle Conley, Clarksdale, Mo. 2. EXAR New Look 2971, by Express Angus Ranches, Shawnee, Okla.

Class 10B (6-3-02 to 5-8-02)

1. OAR Northern Legend 0143, by Odell Angus Ranch, Byars, Okla. 2. EXAR Improvement 2764, by Double D Angus Ranch, Taylorsville, Miss., and Express Angus Ranches, Shawnee, Okla. 3. G13 Structure 2149, by Greg Smith, Elida, N.M.

Class 11B (4-6-02 to 4-4-02)

1. Bush's Absolute Power, by Clifford Bush & Sons, Britton, S.D.; Gamble Angus Farm, Clinton,

Tenn.; and Absolute Angus, Bristol, Tenn. 2. MCM Famous Amos, by MCM Farms, Whitestown, Ind. 3. WCC Big Daddy M145, by Wilson Cattle Co., Cloverdale, Ind.; Big Daddy Associates, Cloverdale, Ind.; and Quirk Land & Cattle Co., Hastings, Neb.

Class 12B (3-21-02 to 3-1-02)

1. EXAR Timberline 261, by Opperman Cattle Co., Sandy, Ore., and Express Angus Ranches, Shawnee, Okla. 2. Green's 20 20, by Savannah Green, Hardin, Mont. 3. PFVRD Revolution 2240, by Jarred Strate, Enid, Okla., and Pollard Farms LLC, Waukomis, Okla.

Class 13B (2-20-02 to 2-7-02)

1. WK Dateline 2160, by Whitestone-Krebs and Dateline 2160 Associates, both of Gordon, Neb., and Randel Nelson, Ansley, Neb. 2. Cottonwood Cheyenne 122, by D.E. Schlutz & Son, Columbus

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♀ FEMALE DIVISION CHAMPIONS



► Spring calf champion, **Dameron Bardot 383**, by Julie Dameron, Lexington, Ill. She's a March 2003 daughter of Vermilion Dateline 7078.



► Reserve spring calf champion, **WAF Missie 3104**, by Amber Barker, Sparks, Nev. She's a March 2003 daughter of Leachman Saugahatchee 3000C.



► Reserve winter calf champion, **BC Pure Pride 413 854E 304**, by Kyle Conley, Clarksdale, Mo. She's a Jan. 2003 daughter of OCC Emblazon 854E.



► Senior calf champion, **LaGrand Georgina 3171**, by Amber Barker, Sparks, Nev. She's a Nov. 2002 daughter of Leachman Saugahatchee 3000C.



► Reserve senior calf champion, **Gamble's Famous Lady 860**, by Will Zarecor, Newbern, Tenn. She's an Oct. 2002 daughter of Famous 7001.



► Intermediate champion, **TJ Pride A225**, by Ashley Berkram, Park City, Mont. She's a May 2002 daughter of TC Stockman 365.



► Reserve intermediate champion, **Magic Meadow Cheyenne 502**, by Wilson Cattle Co., Cloverdale, Ind., and Leslie Craft, LaPorte, Ind. She's a May 2002 daughter of Champion Hill Tecumseh 2382.



► Reserve junior champion, **RSFF Phyllis 2028**, by Dillon Stertzbach, Louisville, Ohio. She's a March 2002 daughter of PVF New Horizon 001.

► Senior champion, **MCM Roth Lady Agnes 1400**, by Lucas Neumayr, New Richmond, Ind.; MCM Farms, Whitestown, Ind.; and LaGrand Angus Ranch, Freeman, S.D. She's a Dec. 2001 daughter of Koupal's B&B Precision 0068.



► Reserve senior champion, **GAF Princess Danielle**, by Jeremy Armstrong, Unionville, Tenn. She's a Dec. 2001 daughter of Ankonian Elixir 100.



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Junction, Iowa, and Cottonwood Angus Farms, Pipestone, Minn. 3. TJ Rawhide JR A208, by TJ Cattle Co., Hardin, Mont.

Class 14B (1-30-02 to 1-4-02)

1. LaGrand Roth Cruiser 253, by Masters Cattle Co., Bashaw, Alta., Canada, and LaGrand Angus Ranch, Freeman, S.D. 2. LaGrand Roth Frontline 2619, by LaGrand Angus Ranch, Freeman, S.D. 3. WK Wacker, by Whitestone-Krebs and Wacker Associates, both of Gordon, Neb., and Chestnut Angus Farm, Verdi, Minn.

Class 15B (11-15-01 to 9-14-01)

1. Rosewood Apache 1084, by Andy Headley, Alma, Ill., and Kevin Rose, Salem, Ill. 2. EXAR Lut-ton 1831, by McLemore Farms and Rockin' L Ranch, both of Ninnekah, Okla., and Express Angus Ranches, Shawnee, Okla.

Class 16B (7-2-01 to 5-5-01)

1. G13 Stetson, by G13 Angus Ranch Inc., Lubbock, Texas; Greg Smith, Elida, N.M.; and Tri State Auction Co., Canutillo, Texas. 2. GC Kan-ga's Big Bear, by Trista Good, Wheatland, Wyo.

Class 17B (4-1-01 to 1-4-01)

1. PT Roth Famous Addiction 101, by Pheasant Trek and The Addicted Group, both of Wilton, Calif., and LaGrand Angus Ranch, Freeman, S.D. 2. Ayres Pascalar Easy Upgrade, by Marcie Falleur, Gearhart, Ore.; LaGrand Angus Ranch, Freeman, S.D.; and Cara and Thomas Ayres, Stevensville, Mont. 3. SAV 5175 Bando 1024, by Horsley Cardinal Angus, Wyoming, Ill.; Horsley Bros., Galva, Ill.; and Sterling Land & Cattle, Weatherford, Texas.

OTHER WINNERS



► First-place get-of-sire, progeny of **Leachman Saugahatchee 3000C**, by Champion Hill, Bidwell, Ohio; Zachary Wells, Hamilton, Texas; and LaGrand Angus Ranch, Freeman, S.D.

BULL DIVISION CHAMPIONS



► Spring calf champion, **Bush's Ambition 507**, by Clifford Bush & Sons, Britton, S.D. He's a March 2003 son of Bush's Big Time 452.



► Reserve spring calf champion, **Malson's Cobra 50N**, by Joseph Malson, Parma, Idaho. He's a March 2003 son of Northern Improvement 4480 GF.



► Reserve winter calf champion, **Gamble's Undertaker**, by Holly Gamble, Clinton, Tenn. He's a Feb. 2003 son of Ankonian Elixir 100.



► Senior calf champion, **DAJS All Star M243**, by Chambers Cattle Co., May, Texas; Katy Satee, Montague, Texas; and 4G Angus, Rising Star, Texas. He's an Oct. 2002 son of Famous 7001.



► Reserve senior calf champion, **CQS Bando Connection 5042**, by Callie Smith, Lebanon, Tenn. He's a Nov. 2002 son of BT Bando 196J.



► Intermediate champion, **BC Marathon 7022**, by Kyle Conley, Clarksdale, Mo., and Holly Gamble, Clinton, Tenn. He's a July 2002 son of OCC Kirby 633K.



► Reserve intermediate champion, **EXAR New Look 2971**, by Express Angus Ranches, Shawnee, Okla. He's an Aug. 2002 son of Bon-View New Design 1407.



► Reserve junior champion, **WK Dateline 2160**, by Randel Nelson, Ansley, Neb.; Whitestone-Krebs and Dateline 2160 Associates, both of Gordon, Neb. He's a Feb. 2002 son of Connealy Dateline.

► Senior champion, **PT Roth Famous Addiction 101**, by LaGrand Angus Ranch, Freeman, S.D.; The Addicted Group and Pheasant Trek, both of Wilton, Calif. He's a Feb. 2001 son of Famous 7001.



► Reserve senior champion, **Ayres Pascalar Easy Upgrade**, by Cara and Thomas Ayres, Stevensville, Mont.; Marcie Falleur, Gearhart, Ore.; and LaGrand Angus Ranch, Freeman, S.D. He's an April 2001 son of Northern Improvement 4480 GF.





► First-place junior get-of-sire, progeny of **Leachman Saugahatchee 3000C**, by Champion Hill, Bidwell, Ohio; Zachary Wells, Hamilton, Texas; Rosewood Cattle Co., Salem, Ill.; and LaGrand Angus Ranch, Freeman, S.D.



► First-place breeder's best-six-head entry by Wilson Cattle Co., Cloverdale, Ind.



► From left, **Amie and Bruce Stertzbach**, Louisville, Ohio, receive the Herdsman Award from James Fisher, director of activities and junior activities for the American Angus Association. Also pictured are Dillon and Cade Stertzbach.

Table 1: Ultrasound scan measurements of NWSS entries

	Rib fat, in.		Rump fat, in.		Weight, lb.	
	Avg.	Range	Avg.	Range	Avg.	Range
Heifers						
Class 1H	.27	.15-.39	.30	.21-.42	760	727-799
Class 2H	.35	.17-.47	.36	.26-.48	794	702-880
Class 3H	.29	.15-.39	.30	.19-.41	822	748-925
Class 4H	.37	.22-.53	.38	.30-.48	875	845-889
Class 5H	.35	.14-.55	.36	.21-.48	866	735-1,030
Class 6H	.33	.22-.44	.40	.32-.54	880	761-962
Class 7H	.34	.23-.45	.40	.30-.53	886	810-1,009
Class 8H	.37	.30-.45	.44	.32-.55	925	803-1,025
Class 9H	.35	.22-.50	.41	.28-.53	938	870-1,012
Class 10H	.39	.28-.51	.43	.37-.51	932	870-1,010
Class 11H	.38	.29-.51	.44	.34-.56	917	836-1,045
Class 12H	.40	.25-.60	.43	.23-.62	925	855-1,022
Class 13H	.39	.25-.63	.45	.37-.60	1,015	881-1,067
Class 14H	.41	.27-.53	.42	.28-.65	984	869-1,109
Class 15H	.42	.23-.67	.46	.30-.74	996	890-1,095
Class 16H	.48	.36-.69	.49	.37-.62	1,042	992-1,140
Class 17H	.41	.25-.61	.46	.32-.65	1,012	926-1,115
Class 18H	.50	.39-.78	.55	.39-.74	1,044	969-1,155
Class 19H	.46	.34-.59	.52	.48-.56	1,115	1,064-1,215
Class 20H	.60	.45-.73	.58	.49-.65	1,231	1,134-1,318
Class 21H	.56	.40-.87	.69	.56-.88	1,244	1,080-1,364
Class 22H	.66	.43-.90	.72	.55-1.01	1,338	1,204-1,516
Class 23H	.67	.43-.86	.80	.55-.94	1,471	1,335-1,582
Class 24H	.69	.49-1.01	.78	.64-.94	1,489	1,456-1,540
Class 25H	.85	.43-1.17	.91	.62-1.29	1,557	1,430-1,690
Bulls						
Class 1B	.21	.16-.27	.24	.16-.39	935	830-1,000
Class 2B	.29	.17-.46	.32	.25-.46	1,081	950-1,299
Class 3B	.32	.19-.43	.33	.21-.46	1,142	1,030-1,225
Class 4B	.36	.23-.54	.41	.30-.64	1,139	1,033-1,255
Class 5B	.35	.26-.49	.39	.32-.56	1,199	1,111-1,293
Class 6B	.34	.13-.58	.36	.20-.44	1,223	1,080-1,327
Class 7B	.35	.31-.43	.40	.34-.44	1,295	1,138-1,414
Class 8B	.38	.28-.46	.37	.32-.46	1,324	1,222-1,415
Class 9B	.41	.25-.67	.47	.37-.62	1,509	1,444-1,590
Class 10B	.43	.41-.45	.51	.41-.58	1,535	1,426-1,670
Class 11B	.51	.42-.59	.48	.46-.50	1,666	1,456-1,773
Class 12B	.63	.36-.80	.72	.55-.94	1,947	1,715-2,090
Class 13B	.65	.53-.80	.57	.34-.71	2,005	1,900-2,160
Class 14B	.59	.36-.86	.69	.51-.92	2,101	1,961-2,192
Class 15B	.74	.33-1.01	.70	.46-.82	2,143	2,059-2,231
Class 16B	.69	.45-.91	.72	.37-1.04	2,212	2,092-2,334



Scrotal circumference, cm

Avg.	Range
32.3	29.5-36.5
33.3	28.5-37.0
36.1	33.5-39.5
35.4	34.0-37.0
37.8	36.0-39.0
36.8	35.5-37.5
39.7	39.0-41.5
37.4	34.0-40.5
41.4	36.0-49.0
41.3	39.0-43.5
38.2	29.0-43.0
43.0	39.0-45.0
42.8	42.0-44.5
42.1	40.0-43.0
42.7	41.0-44.0
41.8	39.5-44.0