ICELANDIC SHEEPDOG ASSOCIATION OF AMERICA

Annual report for the year 2017


The $23^{\text {th }}$ International Seminar for The Icelandic Sheepdog
Copenhagen $26^{\text {th }}-28^{\text {th }}$ October 2018


## Club Information

## Mission Statement

The Icelandic Sheepdog Association of America (I.S.A.A.) is organized for the express purpose of promoting and preserving the welfare of the Icelandic Sheepdog in America. Towards this end, the ISAA is dedicated to serving the best interest of the Icelandic Sheepdog through increasing public awareness, establishing a resource network, and promoting proper husbandry and breeding practices of the Icelandic Sheepdog in America.

## Board Members

Email: isaabod@gmail.com

## 2018 Officers

President: Terry Warnock
email: terry.dragonflyfarm@gmail.com
Vice-President: Tina Carney
email: tinalynncarney@comcast.net
Membership Secretary: Jennifer Sanders
email: isaamembership@gmail.com
Treasurer: Judi Vittetoe
email: pjvittetoe@comcast.net
Recording Secretary: Stewart Marsh
email: stu_marsh@hotmail.com

## 2018 Directors

Kathy Birnie
email: kjbirnie@gmail.com
Gail Hill
email: kalima@thehillshouse.org

## 2018 AKC Delegate

Pat Putman
Email: patputman42@gmail.com

## Club Information

## 2018 Non-BOD Positions

Consultants/Past Presidents: Spike Williamson
Donna "Jamie" McDermott
Internet and ISAA Website: Kimberly Carestia http://www.icelanddogs.com
Liaison to Iceland: Maggý Pease
IS Pedigrees Website: Craig White
Newsletter: Peg Johnson
AKC Breed Column: Donna "Jamie" McDermott
ISAA/ISIC Annual Reports: Kathy Birnie/Terry Warnock

## 2018 Committees

Titles and Events: Kathy Birnie, Chair
Budget: Spike Williamson
Liaison to Iceland: Maggy Pease
Constitution and By Laws: Spike Williamson, Chair
Breeding Compliance and Review Committee (BRCC): Peg Johnson, Chair email: brccc@gmail.com

Judges Education: Thordur Runolfsson, Chair
2019 National Specialty: Tina Carney, Chair
Calendar: Gail Hill, Chair
Health and Genetics: Joan Dow, Chair
Nominating: Thordur Runolfsson, Chair
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## Club members

|  | 2017 <br> Dec. <br> 31st | $\begin{aligned} & \hline 2016 \\ & \text { Dec. } \\ & \text { 31st } \end{aligned}$ | $\begin{aligned} & \hline 2015 \\ & \text { Dec. } \\ & 31^{\text {st }} \end{aligned}$ | $\begin{aligned} & \hline 2014 \\ & \text { Dec. } \\ & \text { 31st } \end{aligned}$ | $\begin{aligned} & \hline 2013 \\ & \text { Dec. } \\ & \text { 31st } \end{aligned}$ | $\begin{aligned} & \hline 2012 \\ & \text { Dec. } \\ & \text { 31st } \end{aligned}$ | 2011 <br> Dec. <br> 31st | 2010 <br> Dec. <br> 31st | $\begin{aligned} & 2009 \\ & \text { Dec. } \\ & 31^{\text {st }} \end{aligned}$ | $\begin{aligned} & \hline 2008 \\ & \text { Dec. } \\ & \text { 31st } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Members | 189 | 227 | 204 | 236 | 258 | 268 | 270 | 219 | 241 | 237 |
| New members this year | 30 | 38 | 20 | 48 | 46 | 51 | 79 | 25 | 56 | 81 |

## Club Report

BOARD MEETINGS: The ISAA Board of Directors held four quarterly meetings in 2017-February, May, August and November. The minutes are posted on our club website on the About ISAA page under the meeting minutes tab. http://www.icelanddogs.com/MeetingMinutes.html

ANNUAL MEETING: Our annual meeting was held on May 28th, 2017, as part of our National in Kalamazoo. The quorum was met. The minutes are posted on our club website as noted above.

AKC GAZETTE BREED COLUMN: We provide quarterly columns for AKC Gazette each year. Our AKC breed columnist, Jamie McDermott, contributed an article for the March issue on temperament while three guest columnists contributed our other articles. Suzanne Terrant contributed an article on lure coursing at our National for the June issue. Melo Dee Glaser contributed an article on the breed seminar at our National for the September issue. Kathy Birnie contributed an article on the Farm Dog Certification Test and its debut at our 2017 National for the December issue.

NEWSLETTER: Our Spring, Summer, Fall and Winter newsletters were distributed in March, June, August and December as Volume 18 Numbers 1-4.

NATIONAL SPECIALTY: Our 2017 National Specialty events were held May 25-29 in Kalamazoo, Michigan with the actual national specialty held on Saturday, May 27 as a concurrent specialty with International breed expert Hans-Ake Sperne as the judge. There were supported entries all 5 days. Farm Dog testing was on Thursday May 25th. Our "designated" obedience/rally day was on Friday May $26^{\text {th }}$. Peg Johnson was our show chair. Judge Sperne also offered an educational seminar on Sunday May $28^{\text {th }}$ which was very well received by members and judges alike.

WEBSITE, DATABASE AND IS PEDIGREES Our webmaster and IS Pedigree person are in place and making substantial progress in revamping the ISAA website and in adding information to IS pedigrees. We anticipate that these projects will be up to date and/or completed by the end of 2018.

ISIC PINS FUNDRAISER: We made a $\$ 200$ contribution to ISIC in September from the sale of the ISIC pins.

ISAA 20 ${ }^{\text {th }}$ ANNIVERSARY ITEMS: 2017 marked our club's 20th anniversary. We distributed $20^{\text {th }}$ anniversary logo pins to current members to celebrate. We also sold some celebratory items that generated $\$ 246.73$ profit in 2017.

## Club information

PARENT CLUB HEALTH STATEMENT: AKC asked for a new health statement defining and explaining the health testing requirements or recommendations for each breed. They asked that the statement be written for the general public who are looking at the breed for the first time and noted a format that they can post on their website. The board revised and approved a statement in keeping with our breeding guidelines posted on our website.
AKC NATIONAL CHAMPIONSHIP PARENT CLUB MEDALLIONS: We sponsored medallions for conformation, agility and obedience.

AKC SURVEY ABOUT VARIETIES: We were asked to complete a short survey to help the AKC to better understand individual breeds in order to properly propose groupings of breeds into groups. The board responded "no" to the question, "Do you believe your breed should be divided into varieties? How would you determine those varieties? size; coat color; coat type; other".

## Summary

The good news is that we have made significant inroads on getting data on Icelandic Sheepdogs born in the United States into the ISIC database. We have gone from 600+ entries to 1300+ entries over the past year. This means that all of the dogs born in the United States that we are aware of have been entered with the exception of those with ancestors in Canada who are not in the ISIC database. We have been working to get those dogs entered with our Canadian partners.

Since we have made no progress on getting litter registration information from AKC, we continue to solicit information from breeders in the United States.

## Estimated number of Icelandic Sheepdogs in our country

| $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 1}$ | $\mathbf{2 0 1 0}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1641 | 1506 | 1398 | 1256 | 1128 | 1004 | 866 | 751 |

Comment: These numbers are taken from the AKC studbook, which was initiated in 2010 with our foundation dogs. AKC tracks litter registrations by breed and adds dogs to the studbook when they have their first litter. Our numbers here reflect the AKC calculation adding the total dogs registered each year. This number will, therefore, include deceased dogs as it is the total number of dogs AKC registered in the United States.

## Litter Information

## Litter Registrations:

|  | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AKC Litter Info | 28 | 32 | 34 | 30 | 28 | 33 | 28 | 27 | 19 | 26 |
| AKC Ave Litter <br> Size | 4.68 | 3.97 | 4.56 | 4.30 | 4.46 | 4.45 | 4.25 | 4.78 | 4.00 | 4.35 |
| ISAA Litter Info | 24 | 32 | 33 | 22 | 21 | 31 | 24 | 24 | 18 | 23 |
| Puppies | 114 | 127 | 142 | 90 | 92 | 146 | 104 | 115 | 66 | 102 |
| Average <br> Litter Size | 4.75 | 3.97 | 4.30 | 4.09 | 4.38 | 4.71 | 4.33 | 4.79 | 3.67 | 4.43 |
| Average <br> inbreeding | 1.83 | 2.97 | 1.81 | 0.87 | 1.29 | 1.09 | 3.47 | 1.64 | 2.92 | 2.09 |
| Female puppies | 51 | 63 | 71 | 51 | 31 | 71 | 55 | 55 | 34 | 60 |
| Male Puppies | 63 | 69 | 71 | 63 | 61 | 75 | 49 | 60 | 32 | 42 |

We are now receiving aggregate numbers of AKC registrations going back to 2008. We do not receive any identifying information and so must gather any specific litter information ourselves. We have to use that information to determine number of males and females and IC scores.
Please see Appendix A and B for additional information regarding litter registrations.

## Imports

|  | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Iceland) |  | 2 | 1 | 3 | 1 | 1 | 4 | 8 | 7 | 4 |
| (Canada) |  | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 7 | 9 |
| (Denmark) | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| (Norway) |  | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| (Sweden) |  | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 |
| (Netherlands) |  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| (German)y |  | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| (Switzerland) |  | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |

Since we rely on self-reporting our data is incomplete.

## Breeding Dogs

Male or female dogs that have reached or are close to the ISIC breeding limit, which is 35 puppies for males and 25 puppies for females, with the number of grandchildren no more than twice the number of offspring during the life of the dog.

| Males |  |  |  |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Reg. \# | Dog's Name | Birth <br> Year | $\#$ <br> Litters | $\#$ <br> Puppies | \# <br> Grandchildren |
| DN07514406 | Alaskastadirs Korpur | 2004 | 8 | 36 | 81 |
| DN18776402 | Arbakki Magni | 2007 | 5 | 21 | 46 |
| DN23596804 | Enska Puck | 2008 | 5 | 24 | 29 |
| DN21481602 | Foothills Laki | 2008 | 8 | 48 | 55 |
| DN15616601 | Frostyres Roskur | 2006 | 4 | 18 | 33 |
| DN15694301 | Gerplu Spori | 2003 | 8 | 37 | 67 |
| DN07215701 | Gunnar of Sherwood Forest | 2001 | 8 | 33 | 15 |
| DN14013502 | Heimskauts Reike | 2006 | 6 | 28 | 41 |
| DN05912701 | Hofshesta Gloi | 2003 | 7 | 36 | 94 |
| DN16111001 | Isi Kaffisukkolathi | 2006 | 2 | 10 | 37 |
| DN15949601 | Isi Kappusino | 2006 | 2 | 11 | 98 |
| DN08101001 | Lavandels Benedikt | 2004 | 7 | 33 | 36 |
| DN14294102 | Lonestar Ansel | 2006 | 4 | 16 | 42 |
| DN07173701 | Loki fra Palmahaus | 1993 | 8 | 28 | 77 |
| DN05909701 | Loki fra Sherwood | 2003 | 9 | 36 | 95 |
| DL75415001 | Virkis Tyri | 1995 | 6 | 28 | 79 |
| DL91681901 | Vittetoes Kutur Hjaltisson | 2001 | 4 | 20 | 87 |


| Females |  |  |  |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Reg. \# | Dog's Name | Birth <br> Year | $\#$ <br> Litters | $\#$ <br> Puppies | \# <br> Grandchildren |
| DN06629401 | Aldebaran Gryla | 2001 | 4 | 17 | 43 |
| DN17276401 | Audurs Dimmalim | 2006 | 4 | 22 | 41 |
| DN21731805 | Audurs Kamilla | 2008 | 4 | 20 | 8 |
| DN15154601 | Birta | 2004 | 3 | 18 | 65 |
| DN05911601 | Blackstar Perla | 2002 | 6 | 15 | 52 |
| DN07207602 | Blueridge YIfa | 2004 | 3 | 19 | 43 |
| DN12267404 | Emerald Isle Grima | 2005 | 4 | 21 | 52 |
| DN02544101 | Frelsi Farms Belle | 2002 | 4 | 24 | 71 |
| DL86572102 | Istolt Aska | 2001 | 2 | 14 | 33 |
| DN16101111 | Lavandels Kyssa | 2006 | 3 | 17 | 38 |
| DN242740005 | Lavandels Vera | 2008 | 4 | 24 | 25 |
| DN24736402 | Pinnacle Brook Elska | 2009 | 4 | 18 | 29 |
| DN07804901 | Thordunu Kria | 2004 | 3 | 19 | 43 |
| DN23549302 | Valhalla's Heart O'Gold | 2008 | 4 | 19 | 49 |

## Other Breeding Statistics

| Unique Dogs Used in Breeding |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Statistics provided <br> by AKC | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Unique Bitches Bred | 26 | 18 | 26 | 28 | 30 | 26 | 28 | 33 | 31 | 28 |
| Unique Dogs Bred | 21 | 17 | 12 | 23 | 28 | 24 | 27 | 29 | 27 | 24 |
| Total Dogs Bred | 47 | 35 | 38 | 51 | 58 | 50 | 55 | 62 | 58 | 52 |

## Health Summary

The Icelandic Sheepdog Association of America (ISAA) joins the country of origin, other recognized breed clubs and the Icelandic Sheepdog International Cooperation (ISIC) to work together to protect and maintain breed health. This includes encouraging health testing and sharing results in the Orthopedic Foundation for Animals (OFA) registry as participating in studies and research. Additionally, contributing to the Canine Health Information Center (CHIC) DNA Repository, co-sponsored by the OFA and the AKC/Canine Health Foundation (CHF) is encouraged as they collect and store canine DNA samples along with corresponding genealogic and phenotypic information to facilitate future research and testing aimed at reducing the incidence of inherited disease in dogs.

## Hip Dysplasia (HD)

Two methods of hip testing are done in the United States: PennHip and OFA.
PennHip: This method recommends breeding only dogs with an above average score, so starting at the $60^{\text {th }}$ percentile is recommended. The scores that correlate with the different percentiles may change as genetic progress is made from one generation to the next, moving the breed average towards tighter hips.

| PennHip | 2016* | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 1}$ | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 0 7}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total Dogs Tested <br> (cumulative) | 206 | 191 | 191 | 181 | 175 | 167 | 137 | 96 |
| Minimum Score <br> (tightest hips) | 0.22 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.25 | 0.25 |
| Maximum Score <br> (loosest hips) | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.94 | 0.83 |
| 25th percentile | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 | 0.65 |
| 50th percentile | 0.52 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.50 |
| 60th percentile | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.47 |
| 75th percentile | 0.43 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |

[^0]Orthopedic Foundation for animals (OFA): According to OFA "The phenotypic evaluation of hips done by OFA falls into seven different categories. Those categories are Normal (Excellent, Good, Fair), Borderline, and Dysplastic (Mild, Moderate, Severe). Once each of the radiologists classifies the hip into one of the 7 phenotypes above, the final hip grade is decided by a consensus of the 3 independent outside evaluations."

OFA HD (HIP DYSPLASIA) STATISTICS:
CUMULATIVE RESULTS THROUGH DECEMBER $31^{\text {sT }} 2017$

|  |  | All Data |  |  | Born 2011-2015 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Breed | Rank | Number of Evaluations | Percent Excellent | Percent Dysplastic | Number Evaluations | Percent Excellent | Percent Dysplastic |
| Icelandic Sheepdog | 53 | 548 | 12.8 | 17.9 | 246 | 13.8 | 15.9 |

## 2017 OFA HD (Hip Dysplasia) Test Results

Total Dogs Tested 61
Excellent 15
Good 37
Fair 5
Mild 2
Mild Unilateral Left 1
Mild Unilateral Right 1
HD (Hip Dysplasia) Comparison of Various Testing Measures: (Provided by OFA)

| OFA | FCI (European) | BVA (UK/Australia) | SV (Germany) |
| :--- | :--- | :--- | :--- |
| Excellent | A-1 | $0-4(\mathrm{no} ~>3 / \mathrm{hip})$ | Normal |
| Good | A-2 | $5-10(\mathrm{no}>6 / \mathrm{hip})$ | Normal |
| Fair | B-1 | $11-18$ | Normal |
| Borderline | B-2 | $19-25$ | Fast Normal |
| Mild | C | $26-35$ | Noch Zugelassen |
| Moderate | D | $36-50$ | Mittlere |
| Severe | E | $51-106$ | Schwere |

## Hip Dysplasia (HD)

| Total number of x -rayed dogs | 2017 | 2016 | 2015 | 2014 | 2013 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| A (OFA Excellent and OFA Good) | 52 | 42 | 39 | 33 | 40 |
| B (OFA Fair and OFA Borderline) | 5 | 10 | 2 | 11 | 8 |
| A+B | 57 | 52 | 41 | 44 | 48 |
| C (OFA Mild) | 4 | 3 | 1 | 4 | 4 |
| D (OFA Moderate) | 0 | 0 | 0 | 0 | 0 |
| E (OFA Severe) | 0 | 1 | 0 | 0 | 0 |
| C+D+E | 4 | 4 | 1 | 4 | 4 |
| In total | 61 | 56 | 42 | 48 | 52 |

Further comments: We also have dogs tested with the PennHIP method but they are not included in this calculation.

## Eye Examinations

There are eye diseases in the dog for which there is evidence of a genetic or heritable cause. The American College of Veterinary Ophthalmologists has listed ten of these diseases as automatic "fails" (this means the affected dog is ineligible to receive an eye certification) because of the significance of the condition to vision and/or the very strong evidence of heritability. These are conditions which frequently result in blindness and for which there is definite evidence of heritability in one or more breeds.
*Note: The prudent approach to these disorders is to assume they are hereditary except in cases specifically known to be associated with trauma, other causes of ocular inflammation, specific metabolic diseases or nutritional deficiencies.

1. Keratoconjunctivitis sicca (KCS) - Breeding is not recommended for any animal demonstrating keratitis consistent with KCS. See above note.
2. Cataract - Breeding is not recommended for any animal demonstrating partial or complete opacity of the lens or its capsule unless the examiner has also checked the space for "significance of above cataract unknown" or unless specified otherwise for the particular breed. See above note.
3. Lens luxation or subluxation - See above note.
4. Glaucoma - See above note.
5. Persistent hyperplastic primary vitreous (PHPV)
6. Retinal detachment - See above note.
7. Retinal dysplasia - geographic or detached forms - See above note.
8. Optic nerve coloboma
9. Optic nerve hypoplasia
10. Progressive Retinal Atrophy (PRA) - Breeding is not advised for any animal demonstrating bilaterally symmetric retinal degeneration (considered to be PRA unless proven otherwise).

## OFA EYE EXAMINATION STATISTICS 2017

| TOTAL DOGS EXAMINED 2017 | 120 |  |  |
| ---: | :--- | ---: | ---: |
| TOTAL NORMAL |  |  |  |
| normal globe | 108 | $90.0 \%$ |  |
| TOTAL WITH DIAGNOSIS | 12 |  |  |
|  |  |  |  |
| EYELIDS |  | 1 | $0.8 \%$ |
| 25.11 | distichiasis |  |  |
| UVEA |  | 2 | $1.7 \%$ |
| 93.71 | persistent pupillary membranes, iris to iris | 1 | $0.8 \%$ |
| 93.75 | persistent pupillary membranes, |  |  |
|  | lens pigment foci/no strands | 2 | $1.7 \%$ |
| LENS |  | 1 | $0.8 \%$ |
| 100.21 | cataract, significance unknown | 1 | $0.8 \%$ |
| 100.301 | punctate cataract, anterior cortex | 1 | $0.8 \%$ |
| 100.321 | incomplete cataract, anterior cortex | 5 | $4.2 \%$ |
| 100.322 | incomplete cataract, posterior cortex |  |  |
| 900.1 | other, not inherited |  |  |

Please see Appendix C for OFA Cumulative Eye Examination Statistics.

## Eye examinations

| Total number of <br> dogs tested | 2017 | 2016 | 2015 | 2014 | 2013 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Unaffected <br> signifies (free) | 108 |  |  |  |  |
| Hereditary <br> Cataract | 1 |  |  |  |  |
| Cornea Distrophe | 0 |  |  |  |  |
| Distichiatis | 1 |  |  |  |  |
| Others <br> (See above chart) | 10 |  |  |  |  |
| In total | 120 |  |  |  |  |

## OFA DISEASE DATABASE STATISTICS:

Cumulative (Total) Evaluations through December 2017

| Registry | Rank | Evaluations | Abnormal | Normal | Carrier | Equivocal |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| ADVANCED CARDIAC | -- | 2 | $0.0 \%$ | $100.0 \%$ | $0.0 \%$ | $0.0 \%$ |
| BAER HEARING TEST | -- | 11 | $18.2 \%$ | $81.8 \%$ | $0.0 \%$ | $0.0 \%$ |
| CARDIAC | -- | 16 | $0.0 \%$ | $93.8 \%$ | $0.0 \%$ | $6.3 \%$ |
| DEGENERATIVE MYELOPATHY | -- | 1 | $0.0 \%$ | $100.0 \%$ | $0.0 \%$ | $0.0 \%$ |
| DENTITION DATABASE | -- | 21 | $14.3 \%$ | $85.7 \%$ | $0.0 \%$ | $0.0 \%$ |
| ELBOW | 125 | 153 | $0.0 \%$ | $100.0 \%$ | $0.0 \%$ | $0.0 \%$ |
| EYES | 121 | 526 | $0.8 \%$ | $99.2 \%$ | $0.0 \%$ | $0.0 \%$ |
| HIPS | 53 | 548 | $17.9 \%$ | $80.7 \%$ | $0.0 \%$ | $1.5 \%$ |
| MULTIPLE DRUG RESISTANCE | - | 1 | $0.0 \%$ | $100.0 \%$ | $0.0 \%$ | $0.0 \%$ |
| (MDR1) | - | 9 | $11.1 \%$ | $88.9 \%$ | $0.0 \%$ | $0.0 \%$ |
| PATELLA | -- | 9 | $0.0 \%$ | $100.0 \%$ | $0.0 \%$ | $0.0 \%$ |
| SHOULDER | -- | 11 | $0.0 \%$ | $100.0 \% 0.0 \%$ | $0.0 \%$ |  |
| THYROID |  |  |  |  |  |  |

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## Elbow dysplasia (ED):

14 dogs were tested in 2017. All had normal results. Cumulatively, 153 dogs have been tested. All results normal.

## Patella luxation:

No dogs were tested in 2017. Nine dogs have been tested in previous years. 11.1\% were abnormal. 89.1\% had normal results.

## Health, optional testing

Two dogs were tested for the dentition database in 2017. Both had full dentition. One dog had an advanced cardiac test in 2017. Results were normal.

## AKC Titles of Record

The AKC provides the club with a list of New Titles of Record each month. In 2017, approximately 186 titles were awarded to ISAA-member dogs. These titles were for conformation, agility, rally, herding, lure-coursing, barn hunt, therapy dog, canine good citizen trick dog, Farm Dog Certification test, dock divingand obedience.

Member dogs also earn titles in other clubs and venues, such as United Kennel Club and the International All-Breed Canine Association, but the club relies on selfreporting by members for these titles.

## ISAA Sponsored Shows

|  | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 4}$ | $\mathbf{2 0 1 3}$ | $\mathbf{2 0 1 2}$ | $\mathbf{2 0 1 1}$ | $\mathbf{2 0 1 0}$ | $\mathbf{2 0 0 9}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of shows | 6 | 2 | 1 | 4 | 2 | 1 | 2 | 0 | 1 |
| Number of dogs | 287 | 68 | 36 | 46 | 51 | 8 | 33 |  | 35 |
| In total (dogs) | 287 | 68 | $\mathbf{3 6}$ | 46 | 52 | 8 | $\mathbf{3 3}$ |  | $\mathbf{3 5}$ |

## ISAA Sponsored Events for 2017

February 11 AKC Meet the Breed, Pier 92, NYC, NY
May 25-28 ISAA National Specialty, Kalamazoo, MI

- Thursday, May 25 - Farm Dog Certification Test
- Friday, May 26 - Judges Education
- Saturday, May 27 - Specialty Sweepstakes \& Conformation,
- Sunday, May 28 - Educational Seminar, Club Banquet and Auction
- Sunday, May 28 - Annual Meeting, Kalamazoo, MO

May 25 Supported Entry Pontiac Kennel Club, Kalamazoo, MI
May 26 Supported Entry Holland Michigan Kennel Club, Kalamazoo, MI
May 27 Supported Entry Grand Rapids Kennel Club, Kalamazoo, MI
May 28 Supported Entry Kalamazoo Kennel Club, Kalamazoo, MI
May 29 Supported Entry Greater Muskegon Kennel Club, Kalamazoo, MI

## Other Events of Note

February 13 Westminster Kennel Club
December 17 AKC/Eukanuba National Championship
December 15-17 AKC Agility Invitational

Mentality descriptions: We do not have results for mentality testing in the United States. We did have 10 dogs who earned some form of canine good citizen title as well as seven who earned a farm dog title and 3 who received a therapy dog title.

Working abilities (herding) descriptions: We do not have results for herding in the United States. One dog did receive a herding tested title in 2017.

## Appendix

## Appendix A: Litters

|  | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Litters | 28 | 32 | 34 | 30 | 28 | 33 | 28 | 27 | 19 | 26 | 27 | 30 | 18 | 18 | 10 |
| Puppies | 131 | 127 | 155 | 129 | 125 | 147 | 119 | 129 | 76 | 113 | 125 | 130 | 97 | 81 | 47 |
| Average litter size | 4.68 | 3.97 | 4.56 | 4.3 | 4.46 | 4.45 | 4.25 | 4.78 | 4 | 4.35 | 4.63 | 4.3 | 5.4 | 4.5 | 4.7 |
| Average inbreeding \% | $\begin{aligned} & (24) \\ & 1.83 \end{aligned}$ | $\begin{aligned} & \text { (32) } \\ & 2.97 \end{aligned}$ | $\begin{aligned} & \text { (33) } \\ & 1.81 \end{aligned}$ | $\begin{aligned} & \text { (27) } \\ & 0.87 \end{aligned}$ | $\begin{aligned} & \hline(21) \\ & 1.29 \end{aligned}$ | $\begin{aligned} & \hline(31) \\ & 1.09 \end{aligned}$ | $\begin{aligned} & \hline(24) \\ & 3.47 \end{aligned}$ | $\begin{aligned} & (24) \\ & 1.64 \end{aligned}$ | $\begin{aligned} & \text { (18) } \\ & 2.92 \end{aligned}$ | $\begin{aligned} & (23) \\ & 2.09 \end{aligned}$ |  |  |  |  |  |

Note: For the years 2003 through 2007, the numbers are numbers counted by our ISAA breeding committee. From 2008 through the present, the numbers are those counted by AKC. We started calculating IC scores in 2008. They are based on the litters we captured (in parentheses) rather than the full AKC numbers, which are a bit higher.

## Appendix

## Appendix B: 2017 Litter Information

|  | Date | Sire | Dam | F | M | Total | IC\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 15-Jan | Gypsy Wind's Undri | Haustlita's Birgitta Orradottar | 3 | 3 | 6 | 2.59 |
| 2 | 10-Apr | Kross Gola Kelinn | Elva Aus Vinkona | 2 | 3 | 5 | 1.71 |
| 3 | 7-Apr | McEremons Sako of Arcticridge | Kross Gola Enja of Arcticridge | 3 | 2 | 5 | 2.00 |
| 4 | 28-Apr | Arcticridge Barret | Mceremon's Heart Breaker | 4 | 3 | 7 | 6.93 |
| 5 | 3-May | Hasten Heartbreaker | Tri-Star Leika | 2 | 4 | 6 | 0.78 |
| 6 | 9-May | Stokk-Sels Bjorn Bangsi | Arbakki Sigga | 6 | 2 | 8 | 0.00 |
| 7 | 12-May | Runamuck Himna Arkturus | Kanina-Alspora Fra Kerlingarfjoll | 0 | 5 | 5 | 0.20 |
| 8 | 3-Jun | Mceremons Crown of Thorns | Brosandi Tryna Snorrasdottir | 2 | 2 | 4 | 0.39 |
| 9 | 5-Jul | Tri-Star Gander | Tri-Star Elly | 4 | 1 | 5 | 0.00 |
| 10 | 14-Jul | Fox Meadow Thora Kari | Brosandi Svara Snorrasdottir | 2 | 5 | 7 | 0.78 |
| 11 | 24-Jul | Isneista Fjari | Bayshore Katla of Avatar | 0 | 4 | 4 | 2.15 |
| 12 | 10-Aug | Brosandi Thorbjorn Snorrason | Lappevennens Runa Embla | 2 | 3 | 5 | 0.20 |
| 13 | 14-Aug | Isneista Alspora Snati of Baysho | Blackstar Lotta | 1 | 3 | 4 | 0.15 |
| 14 | 4-Sep | Isneista Alspora Snati of Baysho | Caradoc's Wicked | 3 | 2 | 5 | 0.76 |
| 15 | 14-Sep | Hidow Thrymheim Tryggur | Tri-Star Kalla | 4 | 0 | 4 | 0.49 |
| 16 | 1-Oct | Mceremons Sako of Arcticridge | Mceremons Rosa | 1 | 3 | 4 | 14.36 |
| 17 | 14-Oct | Runestone Gammur | Fox Meadow Himintelgja Gunnars, | 1 | 5 | 6 | 2.69 |
| 18 | 21-Oct | Nordic Gold Araedinn Vallari | Iseyjar Mjoll | 3 | 1 | 4 | 0.00 |
| 19 | 5-Dec | Stubborn Elm's Oskasteina Skipt | McEremons Rose Garden | 0 | 4 | 4 | 3.13 |
| 20 | 21-Dec | Lagsi Fra Olafsfjordur | Kanina-Alspora Fra Kerlingarfjoll | 2 | 0 | 2 | 0.00 |
| 21 | 5-Feb | Enska Puck Of Caradoc | Caradoc's Wicked | 1 | 3 | 4 | 1.51 |
| 22 | 15-Feb | Fagrahvamms Njordur | Gantoppas Flipa | 2 | 2 | 4 | 2.34 |
| 23 | 3-Jun | Stokk-Sels Vinur | Sand Creek Kaffon | 2 | 2 | 4 | 0.78 |
| 24 | 2-Jul | Solsteinn Keisari At Whitetail | Stokk-Sels Lauffey | 1 | 1 | 2 | 0.00 |
|  |  |  |  | 51 | 63 | 114 | 1.83 |
|  |  |  |  |  |  |  |  |
|  |  | 2017 Litter Information for USA Born Litters |  |  |  |  |  |
|  |  | Number of Litters |  |  |  | 24 |  |
|  |  | Number of Female Puppies |  |  |  | 51 |  |
|  |  | Number of Male Puppies |  |  |  | 63 |  |
|  |  | Total Number of Puppies |  |  |  | 114 |  |
|  |  | Average Litter Size |  |  |  | 4.75 |  |
|  |  | Average 5 Gen Inbreeding Co-Efficient |  |  |  | 1.83 |  |

## Appendix C: Cumulative OFA EYE STATISTICS Through (2/1/2018)

TOTAL DOGS EXAMINED

EYELIDS

## 21

25.11

CORNEA
70.22
70.7

UVEA
93.11
93.71
93.72
93.73
93.75

LENS
100.21
100.301
100.302
100.303
100.304
100.305
100.311
100.312
100.313
100.315
100.317
entropion, unspecified

| $1991-99$ | $2000-09$ | $2019-16$ | 2017 |
| :---: | :--- | :--- | ---: |
| 23 | 865 | 1206 | 120 |

$\begin{array}{lllll}0 & 5 & 0.6 \% & 0 & 0\end{array}$
distichiasis
pigmentary keratitis
corneal dystrophy
iris hypoplasia
persistent pupillary membranes, iris to iris persistent pupillary membranes, iris to lens persistent pupillary membranes, iris to cornea persistent pupillary membranes, lens pigment foci/no strands

8 0.7\%
$10.8 \%$
$1 \quad 0.1 \% \quad 0$
7 0.6\%
$2 \quad 0.2 \% \quad 0$

55
6.4\%
4.4\%

2

1 0.1\%
0
0

0
$10.8 \%$

| unknown | 2 | 8.7\% | 14 | 1.6\% | 37 | 3.1\% | 2 | 1.7\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| punctate cataract, anterior cortex | 0 |  | 0 |  | 5 | 0.4\% | 1 | 0.8\% |
| punctate cataract, |  |  |  |  |  |  |  |  |
| posterior cortex | 0 |  | 1 | 0.1\% | 4 | 0.3\% | 0 |  |
| punctate cataract, |  |  |  |  |  |  |  |  |
| equatorial cortex | 0 |  | 1 | 0.1\% | 0 |  | 0 |  |
| punctate cataract, |  |  |  |  |  |  |  |  |
| anterior sutures | 0 |  | 0 |  | 1 | 0.1\% | 0 |  |
| punctate cataract, |  |  |  |  |  |  |  |  |
| posterior sutures | 0 |  | 0 |  | 9 | 0.7\% | 0 |  |
| incipient cataract, |  |  |  |  |  |  |  |  |
| anterior cortex | 1 | 4.3\% | 0 |  | 2 | 0.2\% | 0 |  |
| incipient cataract, |  |  |  |  |  |  |  |  |
| posterior cortex | 1 | 4.3\% | 3 | 0.3\% | 10 | 0.8\% | 0 |  |
| incipient cataract, |  |  |  |  |  |  |  |  |
| equatorial cortex | 1 | 4.3\% | 1 | 0.1\% | 1 | 0.1\% | 0 |  |
| incipient cataract, |  |  |  |  |  |  |  |  |
| posterior sutures | 0 |  | 4 | 0.5\% | 4 | 0.3\% | 0 |  |
| incipient cataract, |  |  |  |  |  |  |  |  |
| capsular | 0 |  | 1 | 0.1\% | 1 | 0.1\% | 0 |  |

## Appendix




[^0]:    *Numbers provided from PennHip through 8/16.

