#### DECEMBER 2020



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# Newsletter

#### www.americanbordercollie.org

# **RODS & CONES**

What do you see? And what does your dog see? It all comes down to rods and cones.

The structures of human eyes and canine eyes have a lot in common: light enters through the transparent *comea*, then penetrates the *lens*, and then strikes the *retina* at the back of the eye. The retina contains photoreceptors called rods and cones, which transmit data to the brain for interpretation. The result is sight.

Rods and cones are distributed differently in our dogs' eyes than they are in ours. In the first place, humans have many more cones than rods. Also, the rods tend to be located around the sides of the retina, while the cones are concentrated toward the center. In fact, there is an area called the *macula* at the center of the human eye which is particularly rich in cones, and an area in the very center of the macula called the *fovea* which has no rods at all, only cones. So when we humans are staring straight at something, what we see is largely determined by cones.

This matters because cones are different from rods in several ways. They transmit sharper images and brighter colors than rods, but they need more light to function well. Rods, on the other hand, operate best in dim or dark conditions, and whether the light is bright or dark they cannot transmit the clear, sharp images that cones can. We rely on them for our night vision and peripheral vision. Have you ever noticed that if you are trying to see an animal or other object clearly in the dark, you will have more success looking slightly to the side of it rather than directly at it? That's because you are bringing the rods on the periphery of your retina into play, rather than the cones in the center of your retina which cannot deliver images very well in the dark.

Dogs can see better than we can in dim or dark conditions because, unlike us, they have many more rods than cones in their retinas. That gives them a big advantage over us in night vision. They also have reflective tissue called the *tapetum lucidum* beneath their retinas, which allows them to recapture some light that may have failed to strike rods or cones when it first entered the eye (and which accounts for the yellow glow we sometimes see in their eyes).

But they don't have maculas or foveas as we do, so there is no way for them to achieve the sharpness of vision that we normally have when we focus directly on something. Nor, apparently, are they able to see the range of colors we can.



While nobody knows exactly what a dog sees, they probably mostly see the world in pastel shades of blue, violet, gray and tan. They can probably see red or green, but not with the vividness that we can -- red probably looks brownish and drab to them.

So if a dog fails to see the sheep at the top of the trial field when you can see them clearly, or even a stick right in front of his nose, it's not fair to think, "But you're looking right at it!" He doesn't have the same capacity to "look right at" something that we do. He sees something he is "looking right at" about as well as we see something in our peripheral vision. But when it comes to seeing that maddeningly motionless calf that you're looking for at dusk, he's got us all beat.

### Annual Memberships Due before January 1, 2021

Annual Memberships expire on December 31st of each calendar year. To be eligible to vote in the 2021 elections, your membership must be paid **prior** to January 1, 2021. Annual Membership fees are \$15. Lifetime Memberships are \$150.

Both Annual and Lifetime Memberships offer the same benefits.

# AMERICAN BORDER COLLIE ASSOCIATION

#### Annual Directors' Meeting

November 30, 2020

#### - Minutes -

Due to logistical problems resulting from COVID-19, ABCA was unable to hold an in-person meeting of the membership this year. Directors, present by telephone at the meeting were Eileen Stein, Angie Sells, Scott Glen, Allison Jarrard, Bob Johnson, Kathy Knox, Jamie Spring, Bridget Strang. Also present Debbie Bailey.

Eileen Stein welcomed the Directors to the conference call and called the Annual Meeting to order.

Debbie Bailey presented proof of mailing of the notice for the Annual Meeting. Debbie stated 2,439 ballots mailed to eligible voters, 14 ballots returned undeliverable. Patricia L Smith, CPA, tallied the ballots, reporting 403 validly cast ballots. This represents more than a quorum of 10% of eligible voters. The results of the election; 5 Directors were elected for 3 year terms; Eileen Stein (MD), Warren Mick (NY), Jamie Spring (SD), Kathy Knox (MO), Bridget Strang (CO).

The minutes of the 2019 Annual Meeting were distributed to the Directors. A motion was made by Bridget Strang to approve the minutes as presented. Bob Johnson made the second and the motion was approved.

Eileen Stein gave the President's Report. Eileen stated that ABCA registered more than 14,000 dogs and made 2200 transfers in 2019. ABCA registered dog #485,000 in 2019.

The Board of Directors approved a total of \$43,500 to help sponsor the National Sheepdog Finals and the National Cattledog Finals during 2019. The ABCA is the longest tenured and most dependable sponsor of both events. Funds have been allocated for livestock expenses, prize monies, and general support. The specific breakdown of these funds is contained in the financial report.

The Board of Directors approved the expenditure of \$4,500 to help with the live webcast of the 2019 National Sheepdog Finals.

In 2019, the Board approved the expenditure of \$23,928 in promotional and educational funds to local and state organizations and individuals for working Border Collies events.

The 2019 Financial Statement was distributed and presented.

Eileen Stein, on behalf of ABCA Health and Education foundation, reported that there was little progress on EAOD research in 2020 due to COVID-19, which caused lockdowns in Finland, closure of labs, and redirection of resources to COVID research.

Only two comments/questions were received from members, both regarding whether spouses who share a single membership were entitled to cast two separate votes. Both inquirers will be contacted and told that only one vote per membership can be accepted.

ABCA suffered a great loss when Emil Luedecke passed away in May 2020. He was ABCA President almost up to his death, and over the years could always be counted on for guidance, support, and plain hard work.

Eileen Stein asked if anyone had comments or further business. Scott Glen moved to adjourn, Angie Sells made the second. Meeting adjourned.



"Tuff"

photo by Rachel Ritland

# Prize Monies Paid at the National Finals Each Year

\*Handler must be a current American Border Collie Association Member to compete in the USBCHA Finals. Dogs must be ABCA registered to collect ABCA prize monies.

Sheep Finals - Nursery Top 30 Qualifying - \$100 each Open Top 50 1st Go Round - \$100 each Open Top 20 2nd Go Round - \$100 each Breeder of the Top ABCA registered Nursery and Open Dogs - \$500 each

Cattle Finals - Nursery - 1st - \$300, 2nd - \$200

Open - 1st Go Round - 1st - \$200, 2nd-4th - \$100 each Open - 2nd Go Round - 1st - \$200, 2nd-4th - \$100 each Open Finals - 1st-\$500, 2nd-\$400, 3rd-\$300, 4th-\$200, 5th-10th-\$100, 11th-20th-\$50 Breeder of the Top ABCA registered Open and Nursery Dogs - \$500 each

#### AMERICAN BORDER COLLIE ASSOCIATION, INC. STATEMENTS OF REVENUES, EXPENSES, AND OTHER CHANGES IN NET ASSETS - MODIFIED CASH BASIS FOR THE YEAR ENDED DECEMBER 31, 2019

| REVENUES  | 2019           |
|---|----------------|
| Annual Memberships                                | \$ 32,010      |
| Duplicates and corrections                        | 6,285          |
| Lifetime memberships                              | 25,020         |
| Registration fees                                 | 216,319        |
| Transfer fees                                     | 28,952         |
| Miscellaneous                                     | 4,656          |
| Investment income                                 | 26,061         |
| Total revenues                                    | 339,303        |
| EXPENSES<br>Program Services                      |                |
| Prize monies awarded                              | 17,100         |
| Promotional support to members                    | 20,928         |
| Research support                                  | 3,000          |
| Trials sponsorship                                | 28,953         |
| ABCA Health and Education Foundation support      | -              |
| Total program services                            | 69,981         |
| Supporting Services                               |                |
| Advertising                                       | -              |
| Annual Meeting expenses                           | 1,636          |
| Bank fees   | 4,966          |
| Computer expense, technical support, and web expe |                |
| Depreciation and amortization                     | 477            |
| File storage                                      | 1,445          |
| Insurance and bonding                             | 1,562          |
| Investment fees                                   | 11,337         |
| Office supplies                                   | 1,205          |
| Postage and delivery                              | 12,321         |
| Printing and reproduction                         | 7,123          |
| Professional fees                                 | 4,325          |
| Office Manager/Registrar fees                     | 79,380         |
|   | 2,595          |
| Telephone   |                |
| Telephone<br>Travel                               | 1,713          |
| Telephone<br>Travel<br>Other office expenses      | 1,713<br>1,307 |
| Telephone<br>Travel                               |                |

| OTHER INCOME (EXPENSE)        |              |
|-------------------------------|--------------|
| Realized loss on investments  | 26,636       |
| CHANGE IN NET ASSETS          | 159,103      |
| NET ASSETS, BEGINNING OF YEAR | 1,112,381    |
| NET ASSETS, END OF YEAR       | \$ 1,271,484 |

# Promotional Money Available through ABCA

Promotional money is available upon a request from any ABCA member to promote the working Border Collie in their area. Funding for these projects comes from a designated fund at the rate of \$2 per dog registered. Funds are allocated to the state or province of the Breeder. Events often include trials, clinics, fun days, school projects, etc. A Promotional Money Request Form is available on the website or through the office. The request must be submitted to the office prior to the deadlines of February 15 and July 15 of each year. Following is the amount available as of November 2020.

| STATE | AMOUNT<br>AVAILABLE | STATE | AMOUNT<br>AVAILABLE |
|-------|---------------------|-------|---------------------|
| AB    | \$ 930              | NB    | \$ 94               |
| AK    | \$ 377              | NC    | \$ 1,838            |
| AL    | \$ 3,172            | ND    | \$ 635              |
| AR    | \$ 1,676            | NE    | \$ 1,973            |
| AZ    | \$ 1,885            | NH    | \$ 1,013            |
| BC    | \$ 317              | NJ    | \$ 1,755            |
| CA    | \$ 2,399            | NM    | \$ 1,153            |
| CO    | \$ 1,577            | NS    | \$ 28               |
| CT    | \$ 815              | NV    | \$ 1,192            |
| DC    | \$ 2                | NY    | \$ 747.69           |
| DE    | \$ 92               | OH    | \$ 5,216            |
| FL    | \$ 1,597            | OK    | \$ 1,933            |
| GA    | \$ 1,962            | ON    | \$ 1,331            |
| HI    | \$4                 | OR    | \$ 2,507            |
| IA    | \$ 2,068            | PA    | \$ 4,340            |
| ID    | \$ 887              | PR    | \$ 38               |
| IL    | \$ 992              | QC    | \$ 1,222            |
| IN    | \$ 4,467            | RI    | \$ 205              |
| KS    | \$ 4,173            | SC    | \$ 2,047            |
| KY    | \$ 843              | SD    | \$ 224              |
| LA    | \$ 4,801            | SK    | \$ 645              |
| MA    | \$ 1,333            | TN    | \$ 1,971            |
| MB    | \$ 364              | TX    | \$ 6,085            |
| MD    | \$ 475              | UT    | \$ 943              |
| ME    | \$ 1,558            | VA    | \$ 2,557            |
| MI    | \$ 2,852            | VT    | \$ 463              |
| MN    | \$ 773              | WA    | \$ 1,868            |
| MO    | \$ 1,658            | WI    | \$ 998.75           |
| MS    | \$ 1,250            | WV    | \$ 2,644            |
| MT    | \$ 1,312            | WY    | \$ 1,022            |

Grant funds are also available from the ABCA. Grants are generally made for scientific research and educational projects, and grant monies are not allocated by state. A Grant Request Form is available on the website. The deadlines for grant requests are January 15 and June 15 each year.

# American Border Collie Association, Inc.



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# Hall of Fame Nominations

Due To ABCA by June 15, 2021

Application forms available form the office or online at www.americanbordercollie.org