AAVP Newsletter

American Association of Veterinary Parasitologists

Summer, 2019 Volume 41, Number 2

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AAVP Mission Statement

The mission of the AAVP is to lead and partner with our members in advancing veterinary parasitology education, research, practice and service to improve human and animal health. AAVP members are practitioners, educators, and scientists from academia, industry, and government. We will accomplish this mission by providing:

- An annual conference for sharing research and educational advances
- Support to students interested in veterinary parasitology
- A bi-annual educators symposium
- Electronic discussion forums
- Veterinary publications
- Speakers and programs to veterinary professional meetings

From the President

AAVP President
John Gilleard

Dear AAVP members,

I hope everyone is enjoying Spring and looking forward to our upcoming joint meeting with WAAVP and LIWC in Madison, Wisconsin on July 7th - 11th 2019. Dr. Tom Kennedy and the organizing committee have put together a great program. Many thanks to our AAVP representatives on the committee, Dr. Mason Reichard and Dr. Al Marchiondo, and also to all the sponsors whose continued support is critical to the meeting's success. Finding time in the joint program for all our usual business events is challenging with joint meetings but Tom Kennedy has been extremely accommodating in scheduling some dedicated time for our AAVP business meeting and award presentations and talks. I would like to make a few specific comments about each of these.

The AAVP business meeting

This will be in the morning of Thursday July 11th. It will inevitably be shorter this year due to scheduling constraints of the joint meeting and we will have just 1 hour. We have a number of things to get through including voting on the changes to the by-laws. Specifically these are:

1. *Abolish the Past Presidents Committee and reassign duties to the Outreach, Publications and Research Committee and to the Executive Committee*.	**2.** *Dissolve the Newsletter / Editorial Board Committee and add the Editor and Assistant Editor as named positions in the Electronic Media Committee*.	**3.** *Add authorization for the Executive Committee, working with the Secretary Treasurer and, when possible, an event planner, to identify sites/venues for the annual AAVP meeting*.

More detailed information on these proposed changes are presented later in this newsletter and so please read them through, be ready with any questions and be prepared to vote so we can keep to time on the agenda. Due to the time constraints, we will not have each committee chair verbally summarize their reports this year. Instead, I will speak about any specific issues the committee chairs want highlighting during my opening remarks. The committee reports are presented in this newsletter and so please read them in advance so that you are familiar with any issues you want raised during the meeting. It will be important to keep to time on the agenda to ensure there is 15 minutes or so at the end of the meeting to allow members to raise any additional issues they would like to discuss.

The awards ceremony

This will be a joint session with WAAVP and LIWC on the afternoon of Thursday July 11th after the business meeting. There will be 20-minute talks by our AAVP-Boehringer-Ingelheim Distinguished Veterinary Parasitologist Awardee, Dr. Carlos Lanusse and our AAVP-Merck Outstanding Graduate Student awardee, Dr. Jeba Chelladurai. Many congratulations to them and also to our AAVP-CAPC Graduate Student Award in Zoonotic Disease awardee, Dr. Cassan Pulaski for their well-deserved awards. I hope members will stay on to see these awards being presented and listen to the talks. Many thanks for the generous support of our sponsors to keep these awards going.

The AAVP budget

One important issue that the executive committee has been working on over the last few months is revising the AAVP budget and considering its sustainability. AAVP has done a great job over the last number of years in keeping a good balance between minimizing costs to the membership whilst providing maximum value, particularly through our annual meeting. The generous support of our industry sponsors has also been a critical part of this. However, whilst AAVP income has not increased significantly over the last few years, costs continue to rise. This has led to some budgetary pressures emerging and this year is more challenging than most as we don't have our own separate annual meeting from which to generate a small surplus to help support other AAVP activities. The executive committee has been reviewing the budget and discussing potential modifications going forward. The key will be to ensure the future sustainability whilst not compromising on the success or changing the culture of the association. AAVP members can be rightly proud of all that has been achieved over the last few years. The size, quality and vibrancy of our annual meeting continues to grow with an extremely high level of engagement of our student membership. The executive committee is keen to maintain support and recognition of our excellent student and postdoctoral researcher cohorts since the future sustainability and success of AAVP lies in our younger members. I believe the future is very bright as long as we maintain this culture and approach.

The details of various budgeting options that the executive committee has discussed are presented in some detail by Dr. Adriano Vatta in his secretary's report later in this newsletter. I encourage members to read Adriano's report carefully and the executive committee welcomes any feedback and ideas from the membership on this important issue.

My time as AAVP president comes to an end in July and it has been a pleasure and an honour to undertake this role. I will be passing the baton to Dr. Mason Reichard and so the position is in excellent hands. I want to express my sincere thanks to the executive team, Dr. Adriano Vatta, Dr. Doug Carithers, Dr. Al Marchiondo, Dr. Mason Reichard, Dr. Dan Zarlenga, Dr. Ashley Steuer and Dr. Grace VanHoy. They are an exceptionally collegial, knowledgeable, and hard-working group and I look forward to the pleasure of working with them for one more year on the executive committee as past-president.

I look forward to seeing many of you in Madison in a few weeks' time!

Best wishes,

John Gilleard, AAVP President
Email: jsgillea@ucalgary.ca Tel : (403) 998 8266

From the Secretary/Treasurer

Adriano Vatta
Secretary/Treasurer

Thank you for your continued support of the AAVP! If you are reading this newsletter, you have likely paid your dues and are in good standing. This is because the newsletters are now located in the members-only area of the website. Our membership of paid-up members currently stands at 212 regular, 58 student, and 23 emeritus members, for a total of 293 members. This is close to the number of members that attended the Annual Meeting in 2018, where 178 regular members, 69 paid-up students, 20 non-members, 5 complimentary students, 5 speakers, and 20 spouses attended, for a total of 298 individuals attending. In terms of membership, our association therefore remains relatively constant.

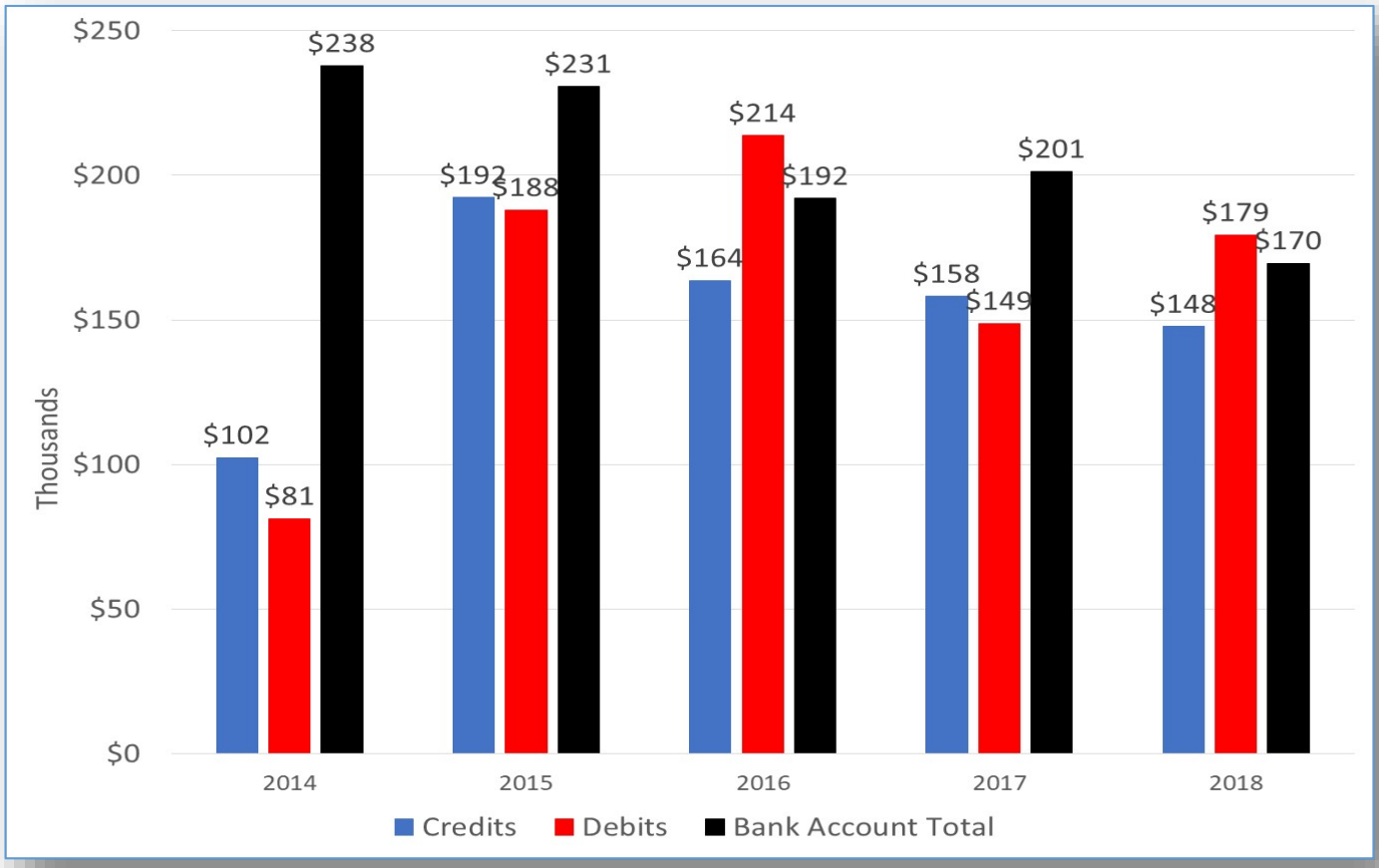
Although the AAVP Annual Meeting is a joint one with the WAAVP and the LIWC this year, there was an incentive to renew your membership with one of the host organizations when registering for the WAAVP 2019 Conference. This is because the registration fee for a member is lower than that for a non-member. The Association greatly appreciates your choice to renew with the AAVP.

The Executive Committee is pleased that our corporate sponsors have again also agreed to support the AAVP-Boehringer-Ingelheim Distinguished Veterinary Parasitologist Award, the AAVP-Merck Outstanding Graduate Student Award, the AAVP-CAPC Graduate Student Award in Zoonotic Disease, the Bayer Best Student Oral Presentations in first, second, and third place, and the Elanco Best Student Poster Presentations in first, second, and, as of this year, third place. These awards will be given out during the WAAVP 2019 meeting. The student awards will be adjudicated from all students who enter the competition and will be presented as joint WAAVP-AAVP-LIWC awards.

The full AAVP Board Meeting (including the Committee Chairs) will be held on the morning of Sunday, July 7, in Madison, Wisconsin, prior to the official start of the WAAVP 2019 Meeting that afternoon. The AAVP Business Meeting will be held during a session of the WAAVP Meeting on the final day of the meeting, Thursday, July 11. All members are encouraged to attend the Business Meeting and Committee Chairs or a designate are required to attend the Board Meeting. Full details of these meeting are posted elsewhere in this newsletter.

A year in which the AAVP is not holding its own annual meeting has presented the opportunity to review the state of our financial affairs, with the Executive Committee's hopes of providing greater clarity. During a normal meeting year, one of only two main revenue streams, i.e., registration, is designed to incorporate both meeting and yearly expenses such as awardee travel, day-to-day operating costs such as hosting the website, and financial outlays today that must precede the 2020 meeting. (The other main revenue stream is derived from meeting registration and sponsorships towards the annual meeting which are used to defray direct costs such as costs for the use of the venue and audiovisual equipment, and the sponsored luncheons and dinner social events at the meeting.) This year we have lost the opportunity to counter the day-to-day costs because AAVP gains no revenues from a joint meeting with the WAAVP. This lost income, small though it may be, is not easily regained. This pause for reflection has allowed us to examine the income, expenses, and total bank balances over the past few years, the data for which are summarized in the figure below.

Figure: Credits, Debits, and Bank Account Totals for the AAVP as of December 31 for 2014–2018



As with all non-profit organizations, the AAVP strives to maintain an existing bank balance equivalent to one year's worth of expenses, in our case, $200,000. This is to ensure that adequate reserves are on hand to cover the expenses of hosting the annual meeting should, for whatever reason, the usual level of sponsorship not be raised. As of the end of 2018, this balance dropped substantially below the desired level, with the current balance at $175,558 (May 24, 2019). The change in balance is primarily due to increased costs associated with the annual meeting and loss of sponsorships. This shortfall is one of the reasons why the Executive Committee is exploring alternative, less costly options, including utilizing venues other than the large cities in which the AVMA typically holds its annual conference. The 2020 meeting will be a good test to determine whether the membership is pleased with the decision to move the AAVP meeting away from the high cost venue of the AVMA meeting.

A fall in revenues does have implications for the ability of the AAVP to fully fund all the ancillary activities that it has historically supported, including the Young Investigator Travel Grants, the travel by Student Chapter Representatives, the Student Trip following the annual meeting, the Educators' Symposium, and travel by junior faculty to present to and engage with AAVP Student Chapters. The Executive Committee is aware of the increase in student numbers attending the annual meeting and is particularly encouraged by the increased attendance over the past few years. This is a trend that the Executive Committee would like to see continue, and the Executive Committee believes that this view is shared by many of the members.

To maintain and gradually see an increase in the reserves, the Executive Committee is exploring various options. Those options that the Executive Committee believes will provide the greatest impact are the following:

- Adjusting the registration fees for each annual meeting to meet the actual out-of-pocket expenses expected for the meeting.
- Requesting a small increase in the annual funding provided by the corporate and other sponsors towards the AAVP.
- Limiting Young Investigator Travel Grants to a maximum of $450 per student.
- Limiting AAVP financial contributions towards travel for the Educators' Symposium to either a membership refund or $100 travel support per AAVP member attendee (one per school).
- Limiting the expenditure on costs associated with the Executive Secretary and other consultants.

The Executive Committee is keenly aware of the growing pains of our Association, as we are the main scientific home of veterinary parasitologists in North America, and our well-attended annual meeting is testimony to this. Our Association is proud of the outputs that its members deliver both in terms of the research that is conducted as well as the numbers of budding parasitologists that graduate each year. The Executive Committee will continue to act as the steward of the resources of our Association while continuing to support the growth and advancement of veterinary parasitology.

Respectfully submitted by:
Dr. Adriano Vatta

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64TH Annual Meeting of the AAVP – Conference Information

NOTICE: AAVP Full Membership Business Meeting

The AAVP Business Meeting will be held during the WAAVP 2019 Meeting on Thursday, July 11th at 10.30–11.30 AM at the Monona Terrace Convention Center, 1 John Nolen Drive, Madison, Wisconsin, 53703, USA. Please check the final program and any postings for the exact room for the meeting.

NOTICE: Executives & Committee Chairs Business Meeting

The AAVP Full Board Meeting will be held prior to the start of the WAAVP 2019 Meeting on Sunday, July 7th at 8.00 AM–12.00 noon in the Hall of Fame Room in the Monona Terrace Convention Center, 1 John Nolen Drive, Madison, Wisconsin, 53703, USA. Breakfast will be served from 7.00 AM onwards and lunch will follow the meeting. All Executive Committee members and the Chairs of the AAVP Committees or their designates are required to attend the meeting.

Respectfully submitted by Adriano Vatta, Secretary/Treasurer

27th Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP 2019)

Build meaningful connections and discover the latest research in the field of Veterinary Parasitology through 600+ oral and poster presentations at the **27th Conference of the World Association for the Advancement of Veterinary Parasitology (WAAVP 2019)**.

Looking forward to seeing everyone in Madison.

Mason Reichard, *Program Chair and President Elect, AAVP*

Mason Reichard
Program Chair and
President-Elect

Proposed Amendments To The AAVP By-Laws and Constitution

Summary of Proposed By-Laws Changes

In response to a request from the Executive Committee the Constitution and Bylaws committee unanimously agreed with proposals to modify the AAVP Bylaws. The proposed changes include abolishing the Past Presidents Committee and the Newsletter/Editorial Board Committee and reassigning the duties to the Outreach, Publications and Research Committee and the Executive Committee respectively. These changes were described in the Spring 2019 AAVP Newsletter. In the newsletter, the changes were highlighted in bold and yellow for new wording. Strike-through was used to indicate deletion of sections such as abolishing the Past Presidents Committee. The Bylaws Committee members also approved updates to the Constitution of the AAVP, similarly highlighted. These are hereby distributed to the membership at-large. The changes to the Bylaws and the Constitution will be voted on at the WAAVP/AAVP meeting in July.

The three proposed changes are:

1. Abolish the Past Presidents Committee and reassign duties to the Outreach, Publications and Research Committee and to the Executive Committee.
2. Dissolve the Newsletter/Editorial Board Committee and add the Editor and Assistant Editor as named positions in the Electronic Media Committee.
3. Add authorization for the Executive Committee, working with the Secretary Treasurer and, when possible, an event planner, to identify sites/venues for the annual AAVP meeting.

These proposed changes are now published again and noted with strikethrough (indicating proposed deletions) and yellow highlight (indicating proposed additions) in the following:

Changes to: By-Laws of The American Association of Veterinary Parasitologists

Committees of the Association shall be:

a. Elected Committees:

- Nominating Committee: The Nominating Committee shall present the annual ballot of officers and Nominating Committee nominees to the membership in the February AAVP Newsletter. Members of this committee cannot serve consecutive terms. This committee shall consist of six (6) members elected by the membership for staggered, three-year terms. Five (5) nominees shall be presented to the membership for each election. The Nominating Committee's ballot shall be accompanied by biographical sketches of all nominees. Two (2) nominees receiving the most votes will be elected to the committee.

b. Appointed Committees:

- **Finance Committee:** The Finance Committee shall audit the Association's financial records at the annual meeting. The Finance Committee shall consist of three (3) members appointed by the President for three-year, staggered terms.
- **Program Committee:** The Program Committee shall be responsible for planning and implementing the program to be presented at each annual meeting of the Association and all other programs sponsored by the Association. The chairperson will be the Vice President-elect of the Association and the vice-chairperson will be the Vice President of the Association. The committee members

shall be appointed by the chairperson on an annual basis and shall consist of the number of members deemed appropriate by its chairperson.

- **Archivist:** The archivist shall be appointed by the President and shall be responsible for the safe retention of all non-current records of the Association.
- **Ad Hoc Committees:** Ad Hoc Committees shall be appointed by the President in consultation with the Executive Committee, as deemed necessary.

c. Standing Committees:

- **Outreach, Publications and Research Committee:** The Outreach, Publications and Research (OP&R) Committee shall initiate new programs that will promote the Association and its members. It shall recommend these programs to the Executive Committee and develop and maintain relationships with other related societies, producer groups, and industry. **The OP&R Committee shall be responsible for identifying other scientific organizations with interests that overlap those of the AAVP for possible joint meetings.** The OP&R Committee shall continually evaluate the direction of research in veterinary parasitology and report to the membership on these directions. It shall also develop statements on areas the Association believes research emphasis is needed. The OP&R Committee shall also be responsible for developing, writing, and seeking publication for all scholarly documents and books sponsored by the Association for distribution to the membership. The OP&R Committee will arrange and supervise the independent expert review of such documents by two or more experts external to the OP&R Committee. The person serving in the management role will not be a co-author of the paper. If all members of the OP&R Committee are co-authors, then the Chair of the OP&R committee will assign the management responsibility to a person external to the Committee. Documents submitted by AAVP members without solicitation, for the endorsement or approval of AAVP, will be similarly reviewed. The OP&R Committee will recommend to the AAVP Executive Committee whether the publication or dissemination of a given document that has gone through the full review process shall be endorsed by AAVP. All such publications will be issued only after the approval of the Executive Committee.
- **Education Committee:** The Education Committee shall foster interchange between veterinary parasitologists and assist in any way the enhancement of teaching parasitology in general and veterinary parasitology in particular.
- **Awards Committee:** As appropriate, the Awards Committee shall recommend persons for honorary membership, and select individuals to receive the Association's Distinguished Veterinary Parasitologist award and other awards as deemed appropriate by the Association.
- **Constitution/By-Laws Committee:** The Constitution/By-Laws Committee shall be responsible for reviewing the Constitution and By-Laws on an annual basis and recommend changes to the Executive Committee.
- **Electronic Media Committee:** The Electronic Media (EM) Committee shall be responsible for the dissemination and distribution of all non-paper communications from the Association to the membership. As such, the EM Committee shall be responsible for providing material to update the AAVP social media accounts (*e.g.* Facebook and Twitter); a member of the EM Committee will be tasked with posting/updating the social media accounts for the organization. Social media posts can consist of interesting news articles, press releases, and AAVP announcements. All posted material should be in accordance with AAVP policies. However, it is recognized that, by design, posts allow for individual expression. Thus, where possible, the following disclaimer will be associated with posts: “These opinions have not been evaluated for accuracy by the AAVP”. In addition, the EM Committee will assist with providing resources and content that can be posted on the AAVP website. For example, the EM Committee will assist the Newsletter Editorial Board Committee in publishing the AAVP Newsletter electronically. **The Editor and Assistant Editor of the Newsletter are named positions in the EM Committee. The Editor and Assistant Editor**

are responsible for the AAVP Newsletter, which shall be published electronically by the Publications/Internet Committee, three (3) times a year on the AAVP website with a post-conference issue in the fall, a winter issue including candidates for elections and a pre-conference issue approximately one month before the annual conference.

- ~~**Newsletter/Editorial Board Committee:** The Newsletter/Editorial Board Committee shall be responsible for the AAVP Newsletter, which shall be published electronically, by the Publications/Internet Committee, three (3) times a year on the AAVP website with a post-conference issue in the fall, a winter issue including candidates for elections and a pre-conference issue approximately one month before the annual conference.~~
- **Student Committee:** The Student Committee shall help to increase communication and the exchange of information, ideas and fellowship among all student members and the AAVP membership, and work to promote and foster attendance and participation of students at the annual AAVP meeting.
- ~~**Past President's Committee:** The Past President's Committee shall consist of the three most recent past-presidents. The Committee shall be responsible for identification of potential organizations for possible joint meetings with AAVP. The Committee shall also be responsible to work with the Secretary-Treasurer in identification of meeting sites/venues.~~

2. The annual **dues** of the association are $75.00 (students $30.00). To be a member in good standing, annual dues are due not later than January 31st in that calendar year for any year. When dues are in arrears, the Secretary-Treasurer shall notify the delinquent member of the Association's intention to remove his or her name from the membership roll. The Executive Committee shall make recommendations to the membership concerning changes in dues amounts.
3. **The Executive Committee shall work with the Secretary-Treasurer and, when possible, an event planner in identifying sites/venues for the annual AAVP meeting.** The **Annual Meeting** of the Association may be held in conjunction with the annual AVMA convention.
4. The **Business Meeting** of the Association at the annual meeting shall use Robert's Rules of Order in conducting business.
5. **ByLaws changes**: Two-thirds (2/3) vote of the members present and voting at the annual meeting shall be necessary to approve changes in the By-laws, provided a quorum is present.
6. **Student Chapters**

   Student chapters of the American Association of Veterinary Parasitologists may be formed at any College of Veterinary Medicine, as well as other colleges and universities, in North America. Application for AAVP student chapter status will be made in accordance with the AAVP student chapter guidelines and the AAVP student chapter constitution.

Revised 8/94, Revised 3/05, Revised 7/07, Revised 07/10, Revised 08/12, Revised 7/17

Constitution of

The American Association of Veterinary Parasitologists

ARTICLE I

Name

The organization shall be known as the American Association of Veterinary Parasitologists.

ARTICLE II

Objectives

The objectives of the organization shall be to provide for the association of persons interested in the advancement of veterinary parasitology, for the presentation and discussion of items of common interest, and to further scientific progress by education and research in veterinary parasitology.

This Association is organized exclusively for scientific and educational purposes within the meaning of section 501(C)(3) of the Internal Revenue Code. Notwithstanding any provision of this Constitution, the Association shall not carry out any other activities not permitted by an organization exempt from Federal Income Tax under section 501(C)(3) of the Internal Revenue Code.

ARTICLE III

Membership

Section 1. Members shall consist of those individuals qualified by background, education and interest in veterinary parasitology.

Section 2. Upon filing application for membership in the Association, new members shall be admitted by the Secretary-Treasurer with approval of the Executive Committee.

Section 3. Honorary membership shall be awarded by the Association to persons who are not members of the Association in recognition of outstanding and sustained achievements in veterinary parasitology. Candidates for honorary membership shall be recommended to the Awards Committee by any member. Nomination for honorary membership shall be made by the Awards Committee to the membership. Election shall be by majority vote resulting from return of ballots mailed to the membership in February. Biographical sketches of all nominees shall be included in the ~~February~~ **Spring** AAVP Newsletter. Honorary members shall not be eligible to vote and shall not be assessed dues. No more than two (2) honorary members shall be elected in any one year period.

Section 4. Upon retirement a member may become an Emeritus member upon approval of the Executive Committee of a written request to the Secretary-Treasurer for such status. Emeritus members shall retain voting rights, but shall not be assessed dues.

Section 5. Forfeiture of membership will occur when dues are not paid for at least two consecutive years, a letter of notification has been sent, and neither back dues nor current dues have been paid within 60 days of the date of mailing the notification. A member who has forfeited membership by nonpayment of dues must reapply for membership.

Section 6. Expulsion of a member may occur if a motion for expulsion is presented by the Executive Committee at the annual meeting and passed by four-fifths (4/5) of the members present and voting. The member is to be informed in writing of such a motion at least two months in advance of the annual meeting at which the motion is to be presented.

Section 7. The Executive Committee may annually invite any firm, association, corporation, institution or subdivision thereof, to become a corporate associate member, for financial support of the Association.

ARTICLE IV

Officers

Section 1. Officers of this Association shall consist of the following: President, President-elect, Vice President, Secretary-Treasurer, and Immediate Past President.

Section 2. The officers of the Association shall form the Executive Committee and shall be responsible for the administration of the affairs of the Association.

Section 3. For the year in which this section shall first be in effect, a President, President- Elect and Vice President will be elected. The President at the time of the first election under this section will become the immediate Past President.

Section 4. The Vice President shall be elected by a majority vote from ballots distributed to the membership in February. Biographical sketches of all nominees shall be included in the ~~February~~ **Spring** AAVP Newsletter. The elected Vice President shall become the President-Elect of the Association after serving one year as Vice President. In the event of an untimely vacancy the Executive Committee will perform such duties as would otherwise devolve upon the Vice President. The Nominating committee will then present nominations for Vice President in the next AAVP Newsletter.

Section 5. The President-Elect shall become President of the Association after serving one year as the President-Elect.

Section 6. The President shall become the Immediate Past President of the Association after serving one year as the President.

Section 7. The President shall preside over all meetings and shall perform such other duties as may properly devolve upon a presiding officer.

Section 8. The President-Elect shall preside in the absence of the President and, when so acting, shall perform such duties as would otherwise devolve upon the President.

Section 9. In the absence of the President and President-Elect, the Vice President shall be the presiding officer.

Section 10. The Secretary-Treasurer shall be elected by a majority vote, from the ballots distributed to the membership in February, and shall serve a two-year term and shall be eligible for re-election to no more than three (3) additional consecutive terms. An untimely vacancy will be filled by appointment by the Executive Committee with the appointee to serve the unexpired term.

Section 11. In the absence of the President, President-Elect and Vice President, the Secretary-Treasurer shall be the presiding officer.

Section 12. The Secretary-Treasurer shall have custody of the current records, shall record the proceedings of all meetings, shall present at each annual meeting a report of the transactions of the previous meeting, shall handle all funds and collections, and shall pay all bills which the Association may owe. This officer shall maintain rolls of the Membership, shall notify members of delinquency in the payment of dues and shall present, at the annual meeting, an itemized statement of the receipts and expenditures of the previous year.

ARTICLE V
Election of Officers

The Nominating Committee shall present not more than two candidates each for the office of Vice President and Secretary-Treasurer to the editor of the AAVP Newsletter, along with biographical sketches of the nominees, prior to the compilation of the ~~February~~ **Spring** Newsletter. Members may suggest names to the Nominating Committee by writing the Secretary-Treasurer or the chairperson of the Nominating Committee. The ballot containing those nominees' names and space for write-in candidates will be distributed to all members in good standing ~~in February~~. A simple majority vote of all ballots returned within ~~60~~ **30** days of the ballot distribution date will determine those elected. In the event that a simple majority vote is not achieved, a run-off ballot listing the names of the two individuals with the most votes will be distributed to all members in good standing.

ARTICLE VI
Voting

Only members in good standing will receive ballots and thus be permitted to vote.

ARTICLE VII
Quorum

Fifteen percent (15%) of the membership, present at either annual or called meetings, shall constitute a quorum.

ARTICLE VIII
Committees and Designees

Section 1. The President in consultation with the Executive Committee shall appoint members of the Association to designated tasks and shall appoint such standing, ad hoc, special, or other committees as deemed necessary.

Section 2a. The President shall appoint chairpersons to elected committees as stipulated in the Association By-Laws.

Section 2b. The President or Vice President shall appoint members to Appointed Committees of the Association as stipulated in the Association By-Laws.

Section 2c. The President shall appoint chairpersons to standing committees as stipulated in the Association Bylaws. In consultation with the President the committee chairpersons shall appoint members to standing Committees of the Association as stipulated in the Association Bylaws for staggered, three-year terms. The committees shall consist of 3-6 members.

Section 3. The President shall appoint an Archivist who shall be responsible for the safe retention of all non-current records of the Association.

Section 4. The President shall appoint a newsletter editor.

Section 5. A nominating Committee consisting of six (6) members of the Association shall be elected by the membership for the purpose of nominating candidates to stand for election annually as stipulated in the Association Bylaws. The President shall appoint the chairperson. Untimely vacancies will be filled by appointment by the Executive Committee with the appointee to serve the unexpired term.

ARTICLE IX
Meetings

Section 1. There shall be at least one meeting held annually.

Section 2. Special meetings may be called by the President.

Section 3. Notification shall be sent to all members at least one month prior to any meeting.

Section 4. Robert's Rules of Order shall be followed in conducting the business meeting.

ARTICLE X

Dues

The annual dues of the Association may be changed at any annual meeting as stipulated in the Association Bylaws.

ARTICLE XI

Amendments

Section 1. Proposed amendment(s) to this Constitution shall be distributed in writing to the membership at least sixty (~~60~~**30**) days prior to the next annual meeting at which it (they) will be considered.

Section 2. A two-thirds (2/3) affirmative vote of the members present and voting at the annual meeting shall be necessary to pass an amendment, provided a quorum is present.

ARTICLE XII

Duration and Dissolution

The Association shall continue until a proposal for dissolution shall be passed by four- fifths (4/5) vote of the officers and by four-fifths (4/5) of all members and following amendment of the Constitution as set forth in Article XI to provide for the process of dissolution.

Upon the winding-up and dissolution of this Association, after paying or adequately providing for the debts and obligations of the Association, the remaining assets shall be distributed to a nonprofit fund, foundation or corporation which has established its tax exempt status under section 501(C)(3) of the Internal Revenue Code.

ARTICLE XIII

AAVP Newsletter

The official publication of the Association is the American Association of Veterinary Parasitologists Newsletter provided to all Members. The AAVP Newsletter is published electronically three times each year. The electronic copies reside on the AAVP website. The **Editor**~~ial Board and~~, **Assistant Editor, and** the Electronic Media Committee are responsible for the publication of the AAVP Newsletter.

Return to "About the AAVP" Return to AAVP Home Page

*Revised 8/94, 2/02, 3/05, **5/19***

Thank you to the members of the **Constitution & Bylaws Committee**.

Respectfully submitted,

Joe Camp - Chair, Andy DeRosa, Ryan Avery, Sriveny Dangoudoubiyam

Educators Corner: Pre-lecture Audio Recordings

At the 2017 AAVP Educator's meeting at the University of Ohio, the use of lecture recordings by students was a topic that elicited much discussion. Karnad (2013) provides an excellent review of the subject and it is clear that the impact of these on student learning and class attendance is complex. While lecture recordings can play a role in students' ability to review material, they also are useful as lecture preparation material. Recorded lectures from previous years can be made in to audio or audio-visual files as pre-review material.

Brown et al. (2018) compared the impact of audio files to reading material (slides) as lecture preparation material. Students were asked to either listen to files or review slides for 45 min each evening prior to lecture for four days. Compliance and learning (based on pre and post multiple choice quizzes) were higher with the audio files. Audio files versus videos were selected due to their flexibility (able to listen to while exercising and engaging in other activities). Also data support the use of audio files as a means of learning vocabulary and pronunciation (e.g., language learning via audio files). After publication of the article by Brown et al. (2018), two medical students sent a letter to the editor suggesting that much material can be lost in audio only files. They proposed that an alternative could be video files from previous lectures. However, given that reviewing full lectures could be time consuming, the students suggested that a synopsis of previous lectures (e.g., short 5-10 min segments) could be useful. Regardless of one's opinion on the impact of lecture recording on student class attendance and learning, these available recordings do provide new opportunities regarding pre-lecture material.

Suggested reading:

Karnad, A. (2013) Student use of recorded lectures: a report reviewing recent research into the use of lecture capture technology in higher education, and its impact on teaching methods and attendance. *Lond*on School of Economics and Political Science, London, UK.

Brame, C.J. (2015). Effective educational videos.

Brown, A., Ajufo, E., Cone, C., Quirk, M. (2018) LectureKeepr: A novel approach to studying in the adaptive curriculum, Medical Teacher, 40:8, 834-837, DOI: 10.1080/0142159X.2018.1484895.

Pagarkar, A., Oussena,S. (2018) Making the most of lecture recordings; a student's perspective, Medical Teacher, DOI: 10.1080/0142159X.2018.1515476.

Respectfully submitted by:

Jennifer Ketzis
jketzis@rossvet.edu.kn
869.465.4161

Student Delegates Update

Since this year's meeting is a joint meeting with the World Association for the Advancement of Veterinary Parasitology in Madison, WI, we will not have the same student events that AAVP normally hosts at our meetings. Since Ashley Steuer will be completing her term as Student Representative, we will be holding elections for the next Student Representative (2-year term) during the WAAVP meeting. The final schedule for WAAVP is being updated, so the student members will be informed of the date and time for student elections during the meeting. Our next student trip will be held at the 2020 Salt Lake City meeting, stay tuned for updates following the WAAVP meeting! If you have any questions, please do not hesitate to contact the student reps; Ashley Steuer (Ashley.steuer@uky.edu) or Grace VanHoy (grace.vanhoy@gmail.com). We look forward to seeing everyone in Madison!

Ashley Steuer & Grace VanHoy

Respectfully submitted by:

Ashley Steuer & Grace VanHoy

AAVP Committee Reports

Nominating Committee and Election Results

Sheila Mitchell, Chair
Nominating Committee

The Nominating Committee is made up of 6 members with 3-year staggered membership. The current committee consists of:

Term Ends	Committee Members	
2019	Sheila Mitchell	Tom Nolan
2020	Joyce Login	Ashley McGrew
2021	Lindsay Starkey	Yoko Nagamori

The committee is charged with developing the ballot for election of officers and members of the Nominating Committee. Each year a new Vice President and 2 new Nominating Committee members are elected, and every 2 years a new Secretary/Treasurer is elected. The ballot consisted of two nominees for Vice President and 5 nominees for the Nominating Committee.

The nominees were:

Vice President
Chris Adolph
Martin Nielsen

Nominating Committee
Alice Houk-Miles
Alice Lee
Andrew Moorhead
Meriam Saleh
Heather Stockdale-Walden

Two hundred eighty-five (285) AAVP members had the opportunity to vote at the time of the election with 100 ballots returned.

The 2017 Election Results

VICE PRESIDENT

Martin Nielsen

Congratulations to each of you!

NOMINATING COMMITTEE

Alice Lee

Andrew Moorhead

Respectfully submitted, Sheila Mitchell, Chair, Nominating Committee

Awards Committee

AAVP Awards Committee 2019 Report

I would like to begin by expressing my sincerest gratitude to several folks:

- The members of the awards committee this year for their many efforts prior to the meeting in selecting awards recipients as the field of qualified nominees this year made for some difficult choices.
- The nominators and those who took the time to submit letters of support for all of the nominees in 2019.
- Committee members and willing ad-hoc judges in attendance who will be participating in the judging of the student competition.
- The executive committee, especially the student reps Ashley and Grace, for all of their hard work that ensures the smooth operation of this committee.
- Sponsors of the named awards and student oral and poster presentation awards: Bayer, Boehringer Ingelheim, CAPC, Elanco, and Merck. Thank you for your continued support of the various AAVP awards.

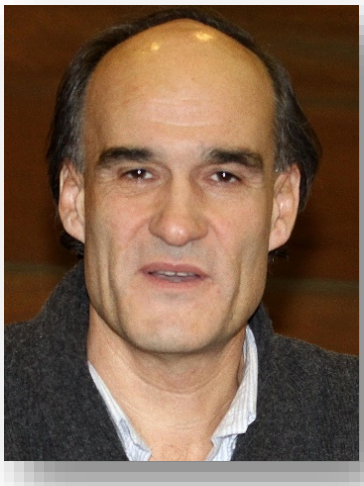
Lindsay Starkey

There were 20 members on the Awards committee this past year, up from 19 last year. A huge thanks to those continuing to serve on and those willing to serve on this committee. Substantial committee membership aids in voting on award recipients and in the judging of the best student paper and poster competitions at the annual meeting, especially with the continued increase in student involvement.

This year there will be a joint student competition with student members from the three organizations (WAAVP, AAVP, and LIWC) participating. We also will have judges from all organizations represented to evaluate and provide feedback to the participating students. Bayer and Elanco have continued to offer their support by providing awards for the top-placing students in the Best Student Presentation and Poster Competitions, respectively. New this year is that Elanco has provided sponsorship for a third-place poster award.

2019 AAVP Awards Committee members: *Lindsay Starkey, Chair*; Joe Camp, Alice Lee, Jim Miller, Gui Verocai, Lora Ballweber, Jesica Jacobs, Anne Zajac, Jan Liotta, Javier Garza, Kelly Allen, Lisa Young, Molly Savadelis, Rachel Imai, Mani Lejeune, Scott Bowdridge, Christian Epe, Frank Guerino, Peter Thompson, and Susan Little.

AAVP-Boehringer Ingelheim Distinguished Veterinary Parasitologist Award



Carlos E. Lanusse

Dr. Carlos E. Lanusse, of the Universidad Nacional del Centro (Tandil, Argentina), has been selected as the 2019 Distinguished Veterinary Parasitologist. This prestigious award recognizes and honors the outstanding contributions of an AAVP member to the advancement of veterinary parasitology. Dr. Lanusse's full biography will be featured in the annual meeting's proceedings, and his presentation entitled, "Pharmaco-Parasitology contribution to sustainable anthelmintic therapy in livestock," will take place during a special awards session at the meeting in Madison. In addition to the honor this award brings, Dr. Lanusse will receive a plaque and a $1,500 monetary award provided by Boehringer Ingelheim. Congratulations to Dr. Lanusse on receiving this award!

Congratulations to Dr. Lanusse on receiving this award!

AAVP-Merck Outstanding Graduate Student Award

Dr. Jeba Jesudoss Chelladurai, of Iowa State University, has been selected as the recipient of the 2019 AAVP-Merck Outstanding Graduate Student Award. Under the supervision of Dr. Matt Brewer, Jeba's Ph.D. work has focused on the ABC-B transporters of ascarid worms, specifically the molecular characterization of the ABC-B gene family in *Toxocara canis* and on understanding the mechanisms of susceptibility and resistance in helminths of veterinary importance. Jeba is also currently a resident finishing her training through the National Center for Veterinary Parasitology and successfully completed her board certification exams in November 2018, becoming the newest diplomate of the ACVM-Parasitology. She will receive reimbursement of travel expenses by the AAVP, an engraved plaque and a monetary award of $1000 provided by Merck Animal Health. Jeba's presentation will take place during a special awards session at the annual meeting in Madison and is titled, "The beginning of a career in Parasitology: Challenges in studying anthelmintic susceptibility."

Jeba Jesudoss Chelladurai

Congratulations to Dr. Chelladurai!

AAVP-CAPC Graduate Student Award in Zoonotic Disease

Cassan Pulaski

Dr. Cassan N. Pulaski has been selected as the recipient of the 2019 AAVP-CAPC Graduate Student Award in Zoonotic Disease for her work on *Dirofilaria immitis* and other filarial infections. She is currently a postdoctoral research and teaching associate at the University of Georgia while she is finishing up her Ph.D. and veterinary clinical parasitology residency program through Louisiana State University, funded by the National Center for Veterinary Parasitology. Her doctoral research has focused on modeling and the epidemiology of macrocyclic lactone resistance in *Dirofilaria immitis*. She also has interests in delusional parasitosis and zoonotic filarial infections. She will be presenting in the session on genes and genomics in parasite control and her talk is entitled, "A multimodal approach to understanding macrocyclic lactone resistance in *Dirofilaria immitis*." She will receive an engraved plaque and a monetary award of $1000 provided by CAPC.

Congratulations to Dr. Pulaski!

Best Student Paper and Poster Competitions

Over 100 students have entered the competition for the 2019 joint meeting! The Best Student Paper competition is sponsored by Bayer and the Best Student Poster competition is sponsored by Elanco. There will be 1st, 2nd, and 3rd place awards given in each category with $500, $300, and $150 honoraria, respectively.

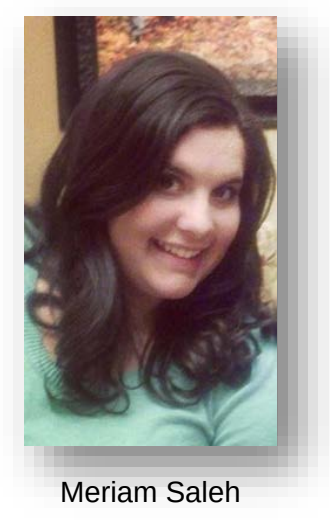
Any member who wishes to participate in the judging of the student competition is encouraged to contact Lindsay Starkey (Lindsay.Starkey@auburn.edu) as arrangements are currently being prepared for the upcoming meeting.

AAVP-Young Investigator Travel Grants

Thanks to the **WAAVP** for providing travel funding for students from all organizations to attend the joint meeting in Madison, Wisconsin!

Respectfully submitted by Lindsay A. Starkey, Chair, AAVP Awards Committee

Electronic Media Committee



Meriam Saleh

Objectives: The Electronic Media Committee (EMC) shall be responsible for providing material to update the AAVP social media accounts (e.g. Facebook and Twitter); a member of the EM Committee will be tasked with posting/updating the social media accounts for the organization. Social media posts can consist of interesting news articles, press releases, and AAVP announcements. All posted material should be in accordance with AAVP policies; the moderator will use discretion over postings. In addition, the EM Committee will assist with providing resources and content that can be posted on the AAVP website. For example, the EM Committee will assist the Newsletter Editorial Board Committee in publishing the AAVP Newsletter electronically.

New AAVP Website Features: We recently debuted some new content on the website thanks to the History Committee. This new section dubbed landmark articles features primary works in parasitology that have had a major impact on parasitology. The first selection from the History Committee no doubt fits the bill as these four articles detail the creation of the Knott Test, McMaster and Wisconsin Counting Methods as well as the Baermann Technique. Each article has a brief description, citation count, and contains a full text link. Please make use of this new feature and enjoy!

Request for feedback: If you have any feedback or suggestions about the website please let us know. We plan to continue improving and updating the website to make it both a good representation of AAVP and a member resource.

Monitoring Facebook usage: As of May 2019 the numbers of "likes" on our Facebook page is continuing to **increase,** and currently we have 2,254 likes, up from 1,960 this time last year.

Mobile App: This year the mobile app will be managed by the WAAVP conference management team, so stay tuned for more information as it gets closer to the meeting. Last year was our 3rd year providing a mobile app.

2018 Statistics:

Downloads/Profiles: 143 (number of people who actually downloaded the app and made a profile)
Sessions: 2,672 (number of times people went into the 'app' and used it)
Interactions: 244 (when people/profiles send a message or photo and others comment/reply)

Committee members: *Meriam Saleh- Chair*, Alice Houk-Miles, Brian Herrin, Jessica Rodriguez, Tim Geary, John Gilleard, Frank Hurtig, Elizabeth Shepherd, Saurabh Verma, Nathan Crilly, Flavia Ferrari, Ashley Steuer, Kelly Bowman

Education Committee

Education Committee Members: *Antoinette Marsh - Chair*, Andy Moorhead, Araceli Lucio-Forster, Ashley McGrew, Heather Stockdale Walden, Jennifer Ketzis, Karen Snowden, Richard Martin, Matt Brewer, Grace VanHoy, Roger Ramirez-Barrios.

Committee Responsibility:
The Education Committee shall foster interchange between veterinary parasitologists and assist in any way the enhancement of teaching parasitology in general and veterinary parasitology in particular.

Activities for 2019:

1. The Education Committee is organizing the biennial Educators' Symposium which is planned for Thursday December 19 to Saturday, December 21, 2019 at the University of Florida, College of Veterinary Medicine, Gainesville, FL. CAPC is funding the symposium. There will be an evening reception on December 19 and a full day of programing on December 20. Drs. Heather Walden and Andy Moorhead are co-chairs of the meeting. The Spring 2019 AAVP Newsletter contained a "Save the Date" announcement.
2. Case materials for teaching are available online through the AAVP website. For additional information, please contact the Education Chair.
3. Tom Nolan suggest some text edits on the AAVP website case materials page. Request of these edits will occur after the 2019 summer meeting when additional edits will be needed for the website update so we can be efficient with Pat Riley's time/costs.
4. Jennifer Ketzis provided the first example of "Educator's Corner" article for the summer newsletter. Committee members will periodically submit these reviews for the membership. These reviews will target topics, articles or information relevant to Veterinary Parasitology teaching.

Respectfully submitted, Antoinette Marsh, Chair Education Committee

Finance Committee

The Finance Committee has reviewed the Financial Statement prepared by the immediate-past Secretary/Treasurer Dr. Doug Carithers and current Secretary/Treasurer Dr. Adriano Vatta for FY 2018. Based on the financial information supplied to the Finance Committee, the committee finds the balance sheets for FY 2018 to be in order and an accurate accounting of the financial status of AAVP.

Cash Flow Summary for Jan. 1-Dec. 31, 2018	
Total Credits:	$147,742.39
Total Disbursements:	$179,380.16
Total income minus expenses for the 12-month period:	**($31,637.77)**

Cash Balances as of 31 December 2018	
Checking with Georgia United Credit Union	$43,918.69
Savings-Business Prime Share Account with Georgia United Credit Union	$102,264.76
PayPal account balance	$1,929.33
Checking Account with PNC Bank, Kalamazoo, Michigan	$3,000.00
Money Market (Savings) Account with PNC Bank, Kalamazoo, Michigan	$18,550.31
TOTAL CASH BALANCE AS OF 31 December 2018	**$169,663.09**

Currently all AAVP assets are held in checking and savings accounts at PNC Bank, Kalamazoo, Michigan.

For additional specific information, see FY 2018 Financial Statement.

Respectfully submitted, Andrew Moorhead, Chair Finance Committee

Outreach/Publications/Research Committee

The Outreach/Publication/Research 2018-2019 members were tasked to reach out to individuals, organizations and/or institutions throughout the Americas whose interests correlate to the mission statement of the AAVP. Committee members emphasise the mission of the AAVP, networking potentials and inclusion of faculty, graduate students into the AAVP. We included information about the 2018 Conference and the Co-conference with the World Association of Veterinary Parasitology (WAAVP) in 2019. The goal is to initiate lines of dialogue.

Associations Approached:

1. Asociacion Mexicanos de Parasitologos Veterinarios, AC (AMPAVE, Mexico)
2. Collegio Brasiliero de Parasitologia Veterinaria (Cbpv.org. br; Brasil)
3. Sociedad de Medicina Veterinaria (Argentina)
4. CaribVet Network; Caribbean Research Center (CRVC)
5. Intern. Assoc. of Food & Waterborne Parasites (WAFWP); Dr. Gajadhar
6. National College of Tropical Medicine, Baylor College of Medicine, Houston, Texas, Peter Hotez, PhD., Dean.
7. Rosina (Tammi) C. Krecek, PhD. One Health, College of Vet. Med. TAMU; member of AAVP.
8. Lennox Applewhaite, DVM, PhD. Director, Regional Veterinary Laboratory, Guyana. Contact with Caribbean Veterinary Association.
9. James Steele Diseases in Nature Transmissible to Man (DIN) Conference, annual conference, in May/June, conference sites in Texas; contacted: Thomas Leo Cropper, DVM, MPVM, DACVPM, U.S. Air Force, Lackland AFB, Texas
10. AVMA International Veterinary Exchange, associated with World Veterinary Association (SAVME- IVSA) on-going exchange programs for veterinary students with:
    a. Belize
    b. Costa Rica
    c. Ecuador
    d. Argentina

International Veterinary Exchange: Contact person: Jan Vaarten, DVM, Secretariat, World Veterinary Assoc.

The committee met for the first time as a group in Denver. Committee member, Camilla de Queiroz, is reaching out to regional veterinary parasitology groups in Brasil. I stressed that the committee is strictly an advisory group. As confirmed contacts/interest are established, names and contact information will be forwarded to the President and Executive Board.

Currently, the committee has not received positive responses from the above associations. I anticipated some negative/no response to the inquiries, but not to this extent. As the chair, I will continue to follow-up with contacts to the various associations in 2019.

Respectfully submitted: Miguel Suderman, Chair, Outreach/Publications/Research Committee

Archive Committee

The AAVP archive continues to be held at Iowa State University and an inventory of its contents is accessible via the following link to the Special Collections Department:
http://www.add.lib.iastate.edu/spcl/manuscripts/MS475.html

The Iowa State University Special Collections Department is also archiving our web site (currently up to 2018):
http://wayback.archive-it.org/1501/*/https://www.aavp.org

We have forwarded electronic copies of the following to Iowa State for archiving in the AAVP archive MS475:

1. Four issues of our Newsletter: Spring 2019 (Vol. 41,1); Fall 2018, Summer 2018 and Spring 2018, (Vols. 40, 1, 2 &3)
2. Proceedings of the 2018 Annual Meeting
3. The list of the 2018-2019 AAVP committees and current members
4. The 2018 Illinois AAVP Annual Report for Non-Profit Corporation
5. The 2018 State of Michigan Annual Corporate License Registration
6. The 2018 State of Michigan Annual Corporate License Registration Certificate

The Archive Committee is still seeking any proceedings prior to 1978 (the first year on the web site) so we can post them on the web site. Amy Bishop at Iowa State informed us that we have no archived abstracts from Proceedings of meetings from the 1970s, but there were some from the 1960s. Because there was no Student Chapter at Iowa State, we approached Dr. Saurabh Verma, an AAVP member working at Iowa State, to copy some of the abstracts. Dr. Verma was able to copy the proceedings from 1961 to 1965, as well as the minutes of the first meeting in 1957. The copied proceedings were passed on to the Electronic Media Committee to be placed on the web site.

This year this committee, with the help of Dr. Dan Snyder, was able to locate copies of the 1979 Proceedings from the Seattle meeting and we provided these to Iowa State for Archiving. If anyone has knowledge of other Proceedings from the 1970s in particular, please inform a member of the committee.

As always, outgoing officers should make a copy of their AAVP associated electronic correspondence and place it onto a CD (the archive prefers that documents be in the .pdf format and photos in the .tif format). The CD and a note (with your name, position, and years covered by the CD) asking that it be placed in the AAVP archive (MS-475), can be sent to:

Amy Bishop
Phone: 515-294-8807
Email: aebishop@iastate.edu
Rare Books and Manuscripts Archivist, Special Collections and University Archives
403 Parks Library, 701 Morrill Road
Iowa State University Library
Ames, IA 50011-2140

Also, note that the Iowa State archivist may change from year to year, so contact the archivist prior to sending materials to ensure that the correct person is in place to receive the materials.

If anyone has photos of AAVP events that they think should be in the archive, they can scan the photos (at 300 to 400 dpi) and send them to Tom McTier (tom.mctier@zoetis.com). Include the names of those in the photograph and when and where it was taken. I will make a hard copy of the photo and information and forward it to the archive.

If anyone has copies of the missing issues of the newsletter (Vol 4 #2, Vol 6 #2, or Vol 11 #1) please make a copy of it and send it to the archive committee chairperson.

Respectfully Submitted by Tom L. McTier, Chair, AAVP Archives Committee

AAVP Archives Committee members for 2018-2019: *Tom McTier - Chair,* Tom Nolan, Raf Roncalli, Miguel Suderman, Anne Donaghue, Heather Stockdale Walden

History Committee

Historian/History Committee: *Sue Howell – Chair*, Alan Marchiondo, Raf Roncalli, Tom Nolan, Ryan H. Avery, Amy Biddle, Ashley McGrew

The committee is tasked with reporting on deaths of members from the parasitology community. Also, the committee has accepted the task of identifying and adding historically important "landmark" papers/manuscripts related to parasitology to our website. These papers are available in a "members only" section where only AAVP members (students and regular members) have access. This has started under the suggestion of Dr. Tom Nolan, who has been instrumental in submitting the first 4 historical papers to this newly formed tab on the website. Many thanks to Meriam Saleh for her assistance in getting this started. Other notes of historical importance to AAVP had been previously listed on the website by Raf Roncalli.

As for reported deaths of past AAVP members, we have had one such report since the 2018 meeting last summer submitted by Dr. Dan Snyder. Dr. Snyder wrote up the following *in memoriam.*

Report respectfully submitted by: Sue Howell, Chair of the History Committee

In Memoriam

Dr. Phillip Harry Klesius

An AAVP member during the 1980's and early 1990's, Dr. Phillip Harry Klesius, who resided in Auburn, AL, passed away on January 11, 2018. He started his scientific career with the USDA-ARS in 1973 at the Animal Parasite Research Laboratory in Auburn, AL. He subsequently became the laboratory research director and served in this role until he retired in 2014. This laboratory historically conducted basic and applied research on parasites of monogastric and ruminant species, in particular gastrointestinal nematode parasites of cattle. In the 1980's, Dr. Klesius conducted research on the immunobiology *of Ostertagia ostertagi* and was instrumental in the organization of one of the *Ostertagia* workshops (see Snyder DE, Klesius PH. Special issue: *Ostertagia*. Vet Parasitol 1993; 46 (1-4):1-332). In the early 1990's, the mission of this USDA-ARS lab changed to focus on research dealing with diseases of aquaculture, in particular farm raised aquatic species. Dr. Klesius was the inventor of several vaccines used to immunize cultured fish species to protect them from different bacterial diseases.

Submitted by: Daniel E. Snyder DVM, Ph.D. Dipl. ACVM

Announcements & Future Parasitology Meetings

Future meetings of the AAVP

64th Meeting: 7-11 July 2019 – Madison, WI (joint conference with WAAVP and LIWC)
65th Meeting: 20-23 June 2020 – Snow Bird, UT

100th Annual Conference of Research Workers in Animal Diseases—CRWAD 2019

The 2019 CRWAD meeting will be 2-5 November 2019 at the Chicago Marriott, Downtown Magnificent Mile, Chicago, Illinois, USA. AAVP continues to support the best student competition in the parasitology section of the CRWAD meeting. https://crwad.org/

Host-Parasite Interactions Data Analysis Workshop

The Host-Parasite Interactions training program (www.ucalgary.ca/hpi) is pleased to announce the Data Analysis Workshop for Parasitologists, which will take place 12-15 November 2019 at the University of Calgary (http://parasitology.ca).

Parasitology is increasingly interdisciplinary. A single published study is likely to cover multiple techniques, from genomic to ecological and from human health to veterinary health, and everything in between. We designed a four-day workshop aimed at graduate students/post-docs that will provide attendees with training to critically assess many of the current techniques and approaches used in modern parasitology. In addition to the local instructors, we are excited to be joined by Dr. Mark Blaxter (Univ. Edinburgh and Director of the Tree of Life Project, Sanger Institute, Cambridge, UK) and Dr. Jillian Detwiler (Univ. Manitoba).

We hope that you will encourage your trainees to consider attending the workshop.

It is free to attend - you are responsible for your travel and accommodation costs. You will need to apply, as space is limited. We aim to have a diverse group of attendees from across North America and beyond.

Please go to website for more information and to apply - http://parasitology.ca

Best wishes,

James Wasmuth, Constance Finney, Nathan Peters
(*co-organisers*)

Anthelmintics: Discovery to Resistance IV

February 3-7, 2020 – Santa Monica Bay Women's Club, Santa Monica, California
Anthelmintics: Discovery to Resistance IV

International Congress of Parasitology (ICOPA) 2022

The XIV International Congress of Parasitology will be held August 21 – 26, 2022, at the Bella Center Copenhagen in Copenhagen, Denmark. ICOPA

Parasiticide Screening

In Vitro and In Vivo Tests with Relevant Parasite Rearing and Host Infection/Infestation Methods, Volumes 1-2

Alan A. Marchiondo, Adobe Veterinary Parasitology Consulting LLC, Santa Fe, NM, USA
Larry R. Cruthers, LCruthers Consulting, Chesapeake, VA, USA
Josephus J. Fourie, Vice President, Scientific Operations, Clinvet International, Bloemfontein, South Africa

Presents a single source reference of in vitro and in vivo parasiticide discovery screening methods used in the animal health industry

ISBN:
978-0-12-813890-8 (vol. 1)
978-0-12-816577-5 (vol. 2)
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Volume 1 610 pages
Volume 2: 714 pages
TRIM: 6w x 9h
AUDIENCE: Parasitologists, Entomologists, Graduate Students, Faculty, Researchers, Veterinarians, Clinicians, Pharmacologists, Medicinal Chemists, Toxicologists, Molecular Biologists, Cell Biologists, Public Health Workers, Government Agencies

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KEY FEATURES

- Provides a single source of historically empirical parasiticide discovery methods in the animal health industry
- Offers a comprehensive reference guide on the in vitro and in vivo methods used to identify parasiticide activity of compounds
- Covers veterinary important species of arthropods, arachnids, protozoa, trematodes, cestodes, acanthocephalans, and nematodes
- Reviews parasite life cycles in relation to in vitro and in vivo laboratory rearing/ maintenance/culture methods
- Includes statistical considerations of parasiticidal screening methods and confirmation trials
- Assists in the search for new, more efficacious, and environmentally friendly chemicals in the face of developing parasiticide resistance
- Provides the World Association for the Advancement of Veterinary Parasitology (WAAVP) parasiticide testing guidelines

DESCRIPTION

Much of the knowledge of parasiticide discovery screening methods is rapidly being lost in the animal health industry as seasoned parasitologists retire. The two volumes of *Parasiticide Screening: In Vitro and In Vivo Tests with Relevant Parasite Rearing and Host Infection/ Infestation Methods* compile much of this historical information under one cover to assist researchers in understanding the methodology gained through decades of veterinary parasitology laboratory and field training. The books serve to preserve valuable screening methods that have led to the discovery of the majority of parasiticides commercialized in the animal health industry and gives insight into the in vitro and in vivo methods used to identify parasiticide activity of compounds.

ONLINE ORDER INFORMATION:

To purchase a copy of the print or e-book, please visit the links below:

- **Volume 1:** https://www.elsevier.com/books/parasiticide-screening/marchiondo/978-0-12-813890-8
- **Volume 2:** https://www.elsevier.com/books/parasiticide-screening/marchiondo/978-0-12-816577-5

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Volume 1

Volume 2

The American Association of Veterinary Parasitologists

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The American Association of Veterinary Parasitologists Newsletter is published three times each year with issues in Spring, Summer and Fall. Contributions to the Newsletter are highly encouraged and should be submitted by the dates listed below.

AAVP Newsletter Deadline for Submissions

Newsletter	Deadline
Fall 2019	October 20, 2019
Spring 2020	February 18, 2020
Summer 2020	June 20, 2020

Please contact the editor with questions regarding the Newsletter.