Student Chapter Progress Report

Chapter Name: Washington State University Student Chapter of the Wildlife Disease Association

Established in (if known): Fall 2016

Mission: Our mission is to facilitate learning for students interested in wildlife, ecosystem, and human health; provide unique opportunities for students to learn about wildlife and disease outside the traditional academic setting; and enhance collaboration across veterinary, disease, engineering, biology, ecology and environmental science fields to improve global health.

Number of chapter members: 34

Number of chapter members that are WDA members: Please see membership list (attached).

Faculty Advisor
Name: Dr. Gretchen Kaufman
Position: WSU Allen School Adjunct Faculty, Veterinary Initiative for Endangered Wildlife Director
Email: gkaufman10@gmail.com

Current board members
Please include country of the officers when your chapter represents multiple countries. Also, please include country representatives here (this only applies to regional, not university-based chapters).

President
Name: Logan Weyand
Email: logan.weyand@wsu.edu

Vice President
Name: Laura Krogman
Email address: laura.krogman@wsu.edu
Other Officers (e.g. treasurer, secretary etc.)

Treasurer
Name: Montana Marks
Email: montana.marks@wsu.edu

Secretary
Name: Cassidy Hand
Email: cassidy.hand@wsu.edu

Member at Large
Name: Lillian McKinley
Email: lillian.mckinley@wsu.edu

Marketing Chair
Name: Alex Thiel
Email: alexandrea.thiel@wsu.edu

Fundraising Chair
Name: Kaylie Shaver
Email: kaylie_shaver@wsu.edu

How frequently does your chapter hold elections?
- Annually

Board members 2018-2019

President:
Name: Logan Weyand
Email: logan.weyand@wsu.edu
President Elect
Name: Karina Paredes
Email: karina.e.paredes@wsu.edu

Vice President
Name: Nicole Pupich
Email: nicole.pupich@wsu.edu

Other Officers

Treasurer
Name: Sarah Kwon
Email: sarah_kwon@wsu.edu

Secretary
Name: Alison Wang
Email: alison.wang@wsu.edu

Marketing Chair
Name: Zerina Mehic
Email: zerina.mehic@wsu.edu

Fundraising Chair
Name: Clara Kappelman
Email: clara.kappelman@wsu.edu

Distance Representative
Name: Madisen Sechena
Email: madisen.sechena@wsu.edu

IT Specialist
Name: Larisa Estrada
Email: larisa.estrada@wsu.edu
Community Outreach Chair
Name: Katy Olson
Email: kathryn.a.olson@wsu.edu

Description of Chapter Activities

PR & Fundraising
PR:
Online presence:
  - Chapter website (if applicable):
    - https://orgsync.com/149587/calendar?view=calendar
  - Chapter facebook page (if applicable):
    - https://www.facebook.com/WSU-Chapter-of-Wildlife-Disease-Association-708216249344468/?view_public_for=708216249344468
  - Other chapter online or social media presence (i.e. youtube, twitter):
    - NA
  - Does your chapter have a newsletter?
    - No

Member recruitment & Club outreach
  - How does your chapter announce and advertises your events?
    - We announce events via email to club members and the entire WSU College of Veterinary Medicine, and we publicize events via our facebook page. We also print out paper flyers and distribute them around the veterinary school.

Collaboration:
  - Which other groups does your chapter collaborate with?
    - WSU CVM Zoo, Exotics & Wildlife Club
    - WSU CVM Aquatics Club
    - WSU CVM Pathology Club
    - WSU CVM One Health Club
If your chapter collaborates, what does the chapter do together with the other organization?

- We host lunch lectures, field trips, and coordinate the ZEW Symposium together.

WDA-representation:

- How did your chapter promote the WDA? (i.e. hand-out WDA flyers, announced at meetings what WDA mission is and how to become a member, coordinated travel to the WDA conference).
  - We display the WDA mission on our club poster, display the logo at club events, and encourage our club members to become WDA members. Over the summer one of our members attended the WDA conference.

Fundraising:

- Does your chapter have a membership fee, if so what are the fees?
  - We charge a $10.00 membership fee annually.
- Did your chapter host a fundraiser (i.e. cookie sale, gear sale)?
  - T-shirt sale
- Did your chapter apply for grants and awards (i.e. WDA student chapter grants, university support)?
  - Yes, we applied for WDA Student Chapter grants, GPSA grants, and SCAVMA grants.
- Any other way the chapter’s financially health is maintained (i.e. sponsorships)?
  - We received an in kind donation of plane tickets by a family associated with the club.

EVENTS

Please share the activities your chapter organized or co-organized between April 30th 2017 and April 30th 2018. It is ok to overlap if you mentioned some of the events above. In addition, if you have exciting end of semester / summer plans please share those too. We love to know how you keep members engaged when school is not in session.

(Bi)Annual events (if applicable):

Please provide a brief description of the activity, include at least the date(s), speaker/host/goal and approximate attendance. If you have pictures, please include them.
Symposium
- **2018 WSU/OSU ZEW Symposium**
  - April 6th - 8th 2018 at WSU: We coordinated and hosted a three-day wildlife health symposium at the WSU College of Veterinary Medicine and hosted veterinary students from WSU, OSU, UI, and USU. Wildlife speakers at the event included Dr. Joseph Gaydos (UC Davis), Dr. Kezia Manlove (MSU), Dr. Gretchen Kaufman (WSU), Dr. Alan Pessier (WSU), Dr. Annette Roug (UT-DNR). There were also additional speakers present who spoke on zoo/exotics topics. We offered a fish necropsy lab, bird bandaging lab, R workshop, and wildlife chemical immobilization training at the symposium.

Public outreach events
- **Fall SCAVMA Barbeque**
  - We set up a WDA booth with a club poster and flyers to share with current and potential students about our student chapter of the WDA and wildlife health in veterinary medicine.

- **Outreach to Nez Perce Tribal Wildlife Biologists**
  - We are coordinating with the wildlife biologists at the Nez Perce tribe to set up a time to assist with wildlife surveys near Lapwai, ID. The surveys have not occurred yet but the planning is in progress. We plan to continue developing our relationship with the tribe.

- **Outreach to the Palouse Science Museum**
  - Over the summer we plan to reach out to the science museum to learn about how we could help incorporate some wildlife focused events into their youth programming.

- **Virunga Screening**
  - We hosted a movie night in which we screened the movie “Virunga” about mountain gorilla conservation in Virunga National Park.
Field trips

- **Hells Canyon Bighorn Sheep Field Trip**
  - November 10th-11th, 2017: We took a group of 15 students to the Asotin Creek bighorn population in Hells Canyon. Frances Cassirer, PhD from the Idaho Dept. of Fish and Game instructed the group and we learned about the history of bighorns in Hells Canyon, the challenge of pneumonia, and current research projects and conservation strategies. We all got experience learning how to safely use a dart rifle and how to locate bighorn sheep via radiotelemetry and take health observations via binoculars and spotting scope. We stayed overnight in a cabin and went hiking for group bonding.

- **Methow Conservancy Beaver Relocation**
  - In planning for summer 2018: We have a connection with the wildlife biologist at the USFS in Okanagan and at the Methow Conservancy. We plan to volunteer with beaver relocation and dam construction to learn about the project and how beavers help create healthy riparian habitat and support fish health.

- **WDFW Bat White Nose Syndrome Trip**
  - In planning for summer 2018: We were invited to assist with colony counts and white nose syndrome sampling for bat population in eastern Washington and in the Olympia region in western Washington in the summer of 2018 and 2019.

Workshops

- **Estimating Survival in R Workshop**
  - April 8th, 2018: Dr. Kezia Manlove (MSU) instructed a workshop to 15 WDA students on how to use R to conduct population-level statistical analyses to estimate survival (and other analyses such as t-tests, chi-square, Kaplan-Meier models, and Cox Proportional Hazard models).

- **Wildlife Chemical Immobilization Workshop**
  - April 8th, 2018: Dr. Annette Roug (UT-DNR) instructed a workshop to 20 WDA students on Wildlife Chemical Immobilization. She gave a 1-hour lecture covering fundamentals, and then students split into three stations; 1) simulating a scenario; 2) drugs and dart loading; 3) projectiles and target shooting
Weekly or monthly events (if applicable):

Seminars
- **WDA Spring 2018 Wildlife Seminar Series**
  - We coordinated a weekly wildlife seminar course at WSU with three faculty instructors with wildlife backgrounds (Dr. Gretchen Kaufman, Dr. Lynne Nelson, Dr. Monica Bando). The seminar was open to all students and most of the participants were WDA members. The seminar topics included conservation medicine, diagnostic challenges in wildlife medicine, wild carnivores, wild ungulates, wild birds, marine mammal health, wildlife welfare, wildlife capture and chemical immobilization in the field, cognitive capacities of wildlife, and wildlife welfare.

Paper discussions
- **WDA Journal Club**
  - We meet monthly at the Paradise Creek restaurant to discuss a student led paper discussion. Our club advisor usually attends and this is always a great opportunity for us to form connections with each other and learn about new wildlife health topics in more depth.

ADDITIONAL INFORMATION
Please share anything else you would like to share about your chapter.
- One of our most impactful accomplishments this year was providing the impetus to gain a formal wildlife disease course in the curriculum offered to WSU CVM students. We achieved this by writing a letter, obtaining signatures from WDA students, and meeting as WDA officers with the Dean of Students to express our student support of a formal wildlife disease elective, as WSU does not currently offer a formal wildlife course in the curriculum for veterinary students. The Dean responded enthusiastically and has arranged for Dr. Alan Pessier to head a formal wildlife course beginning in Fall 2018. It was empowering to see how we could come together as a group to create change within our veterinary school.
WSU WDA Officers!
WSU WDA
Membership List:

1. Alex Thiel
2. Zerina Mehic
3. Cassidy Hand
4. Sarah Kwon
5. Nicole Pupich
6. Alexis Rapozo
7. Emily Munday
8. Krysta Dawson
9. Taylor Foster
10. Logan Weyand
11. Madisen Sechena
12. Julia Vanderslice
13. Caitlyn LittleZygar
14. Laura Krogman
15. Stephanny Orozco
16. Madison Parker
17. Harper Tobey
18. Lillian McKinley
19. Montana Marks
20. Emma Flott
21. Victoria Wilson
22. Sarah Falk
23. Wingsze Leung
24. Kaylie Shaver
25. Clara Kappelman
26. Brianna Fullerton
27. Alison Wang
28. Dorothy Pyrdek
29. Cord Kivi
30. Alicia Castagno
31. Karina Paredes
32. Jerrisa Ching
33. Larisa Estrada
34. Katy Olson
Event Photos

Yan Lee shooting in the darting lab (ZEW Symposium) - Dr. Frances Cassirer (instructor)
Chemical immobilization/restraint lecture - Dr. Annette Roug
Silence of the Frogs lecture (chytrid) - Dr. Allan Pessier
Elephant Tuberculosis Lecture - Dr. Gretchen Kaufman
WNS effects some bat species more severely than others

Little Brown Bat
Dive physiology:

- Apneustic breathing
- Stop breathing
- Reduce heart rate
- Shunt blood (brain, heart)
- High myoglobin
Karina Paredes and Katy Olson learning radiotelemetry - Dr. Frances Cassirer
Asotin population bighorn ram spotted on bighorn sheep field trip in Dry Gulch
Alison Wang locating bighorn sheep via spotting scopes - Asotin Creek, WA
Tori Wilson target shooting with dart rifles in Asotin Creek, WA - Dr. Frances Cassirer
Bighorn sheep field trip group shot! Thanks WDA!