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Boreus

Newsletter of the Entomological Society of British Columbia





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Cover Sketch

Boreus elegans (Mecoptera: Boreidae), one of the more conspicuous snow scorpionflies in B.C. Larvae and flightless adults live in, and feed on, moss and clubmoss. Adults appear in the fall and are active on snow on warm winter days. Cover sketch credit Ward Strong and Robert A. Cannings.

Cover Photographs

Greater night-stalking tiger beetle (<i>Omus dejeani</i>), taken on Denman Island, B.C. Photograph by Jennifer Heron.	Helliwell Provincial Park, May 2012. Photograph by Jennifer Heron
Photographs taken in the Peace Region, BC. Photographs by Jennifer Heron	



The Entomological Society of British Columbia is a scientific Society founded in 1902 for the advancement of entomological knowledge in the province.

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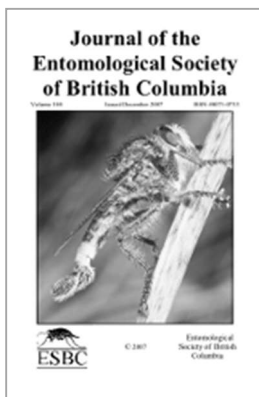


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Check out our other publications!



The Society

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Become a Member!

Membership of the Entomological Society of B.C. is available to anyone interested in entomology. Annual dues are due **March 30th** of each year.

Join or renew your membership online via the Society's website <http://entsocbc.ca/membership/>.



Society News

ESBC AGM and Symposium 2024

This year, the ESBC gathered at the University of British Columbia in beautiful Vancouver on October 4-5 for our AGM and symposium. The theme for our meeting this time around was Through the Looking Glass: BC Entomology and Beyond.

The day was kicked off with opening remarks by outgoing president Dr. Juli Carrillo, which were followed by a presentation by incoming president Dr. Michelle Franklin on biovigilance as a pest management technique and its implications to BC agriculture and beyond.

Dr. Franklin drew parallels between “Alice in Wonderland” and her own work in detecting and monitoring the strawberry blossom weevil, a recently introduced pest in BC. “What she really wanted to know was, whether it could sting or not”, mirroring Alice’s investigation into Wonderland’s insects with her own search for a suitable parasitoid wasp for strawberry blossom weevil control.



Snap-dragon-fly



Rocking-horse-fly

**“What kind of insect?
Alice inquired a little
anxiously”**



Bread-and-butter-fly



https://www.alice-in-wonderland.net



Dr. Franklin was followed by presentations from our talented PhD student members, representing the University of British Columbia, Simon Fraser University, and the BC Ministry of Forests. Following a lunch break, the plenary was delivered by Dr. Blas Lavandero, a visiting associate professor from la Universidad de Talca in Chile. Dr. Lavandero presented his research on parasitoid wasp dependence on sugar and its implications for the biocontrol of agricultural pests. The rest of the day was packed with presentations from our brilliant Masters and undergraduate student members, spanning topics as diverse as nocturnal moth pollination (Hannah Anderson, UBC) to nest site preferences in jumping spiders (Paula Mali, University of Victoria).

Following a great day of presentations, the society gathered at the UBC Farm to catch up, socialize, and enjoy some delicious food (and even sing a little karaoke).



Photo credit: PIEE Lab

Presentations on day 2 started early with presentations from our professional society members. Topics ran the gamut from the ecological (food web size and shape in bromeliad plants, Dr. Diane Srivastava, UBC) to the hair-raising (effects of parasitic hairworms on terrestrial insect host behaviour, Dr. Jean-François (Jeff) Doherty, UBC).

The meeting concluded with the AGM and the presentation of student awards. President Juli Carrillo passed the torch to Vice President Michelle Franklin, but not before awarding two PhD, two masters, and two undergraduate awards for best presentations. Juli also presented awards for outstanding graduate students in the field



of entomology, exceptional manuscripts submitted in the field of insect ecology, and an equity, diversity, and inclusion award for a graduate student from a currently underrepresented group within the ESBC. Our sincere congratulations to all award winners and our thanks to everyone for attending and making the conference a success. As always, it was a pleasure to see everyone, and we look forward to seeing you again next year!

Matt Tsurada



ESBC Annual Meeting Group Photo. Photo Credit: PIEE LAB



Student Award Recipients

Award

Graduate Student award

Equity, Diversity and Inclusion Award

Dexter Johnson Award (sponsored)

MSc Oral Presentation

PhD Oral Presentation

Undergraduate

Recipient

Mikhaela Ong
Simon Fraser University

Andreas Mancera Barreto
University of British Columbia

Andrea Haberkern
University of British Columbia

Hannah Anderson
University of British Columbia

Sarah Knoerr
University of British Columbia

Emmanuel Hung
Simon Fraser University

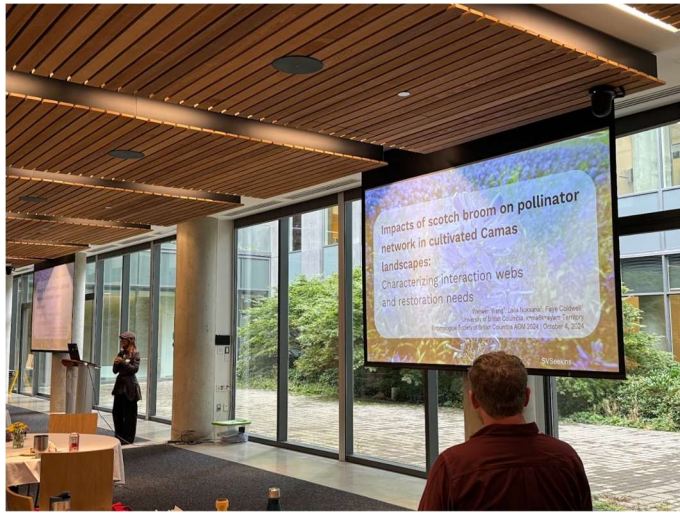
Matt Tsurada
University of British Columbia

Jeanelle Breen
Simon Fraser University

Oliver McDermott
University of British Columbia



Student Award Recipients with outgoing president Juli Carrillo. Photo credit: Michelle Tseng



Working hard and playing hard at the AGM. Photo credits: PLEE Lab



Kudos!

Dr. Michelle Tseng recipient of the Wall Fellowship



Congratulations to Dr. Michelle Tseng for being awarded the 2024 Peter Wall Fellowship! The Peter Wall Legacy Awards supports UBC research excellence in the areas of urban development, water, energy, transportation infrastructure, environmental protection of oceans and waterfronts, and resource-intensive industry. Michelle's project is titled "Merging community science with computer vision to create biodiverse urban ecosystems throughout British Columbia". Congrats Michelle!

UBC Article: <https://news.ubc.ca/2024/12/ubc-wall-fellowships-recipient/>

Entomology in the News

Invasive ash-tree killer insect detected in Vancouver, a first in B.C.

<https://vancouver.sun.com/news/invasive-ash-tree-killer-insect-detected-in-vancouver-a-first-in-b-c>

Conseils pour des décorations de Noël respectueuses de la faune nocturne
(*Tips for Nocturnal Wildlife-Friendly Christmas Decorating*)

<https://ici.radio-canada.ca/nouvelle/2125790/noel-lumiere-decoration-nature-insect-animaux-nuit>

**Featuring ESBC Student Daphne Chevalier!*



Upcoming Grant and Funding Opportunities

EntSocBC Special Projects Grant

Every year, the ESBC invites applications for funding requests for projects that advance and promote entomological knowledge in the province of British Columbia. Projects address the following goals:

- Contribute to the understanding of insects and relatives in British Columbia
- Raise appreciation of insects and relatives in British Columbia
- Contribute to insects and relatives' conservation in British Columbia

The amount and number of projects funded annually depends on available funds. Up to a total of \$5000 CAD across all projects is available annually. Requests for funds that exceed this amount will be considered on a case-by-case basis.

Applications are accepted and evaluated twice annually. The next deadline is **March 1st 2025**.

Visit <https://entsocbc.ca/awards-scholarships/esbc-special-projects-grant/> for more information.

Application Deadline: March 1st 2025

Entomological Society of Canada Student Awards

Details of Awards at <https://esc-sec.ca/student/student-awards/>. Deadline for all awards is **March 1 of each year**. Look on the website for eligibility for each award.

- Entomological Society of Canada Danks Scholarships
- Entomological Society of Canada Graduate Research Travel Scholarships
- Entomological Society of Canada Postgraduate Awards
- Entomological Society of Canada John H. Borden Scholarship
- Entomological Society of Canada Dr Lloyd M Dodsall Memorial Scholarship
- Biological Survey of Canada Scholarship
- Keith Kevan Scholarship
- Entomological Society of Canada Ed Becker Conference Travel Awards

Application Deadline: March 1st 2025



Employment and Research Postings

Permanent Opportunities

E.S. Cropconsult Ltd. Supervisor Position

E.S. Cropconsult provides professional consulting in pest and disease monitoring to local farmers and have expert knowledge of local agricultural challenges. At present, we provide services for 10,000+ acres of 12 agricultural commodities of perennial and annual field crops. As an employer, E.S. Cropconsult is committed to providing a high level of expertise in the agriculture industry, specializing in pest biology and management. In addition, we offer unique opportunities for personal growth, such as developing leadership and management skills. We are a small, woman-owned and operated company that values integrity, career progression, and inclusivity within the workplace.

We have an exciting opportunity for two full-time permanent Supervisor positions covering the Fraser Valley and Metro Vancouver. This position is responsible for the supervision of 5-10 client contracts by leading a team to collect pest information and advising on the best possible management solutions according to an Integrated Pest Management (IPM) strategy. This position is in-person during the growing season with workflow flexibility in the winter months.

Visit <https://escrop.com/employment> for more information

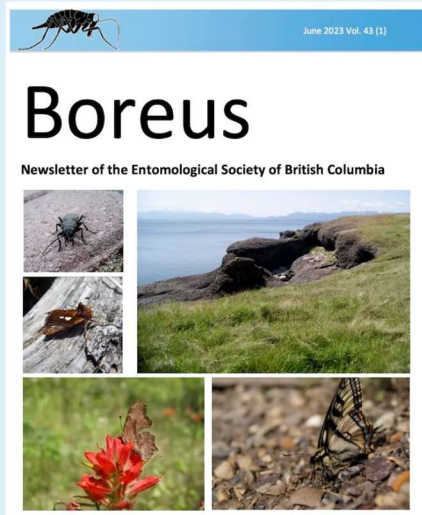
Application Deadline: January 31st 2025



Master of Pest Management field trip with ES Cropconsult, 2016. ES Staff were great teachers! - Joyce



Got something to share? Submit to Boreus!



Boreus, the Newsletter of the Society is published in June and December. It contains entomological news, comments, reports, reviews and notices of meetings and other events. While emphasizing the Society's affairs, *Boreus* provides members with a forum for their views and news of British Columbia entomology, as well as informal articles, notes regarding research projects, and anything else that may be of interest to entomologists.

Please submit any entomological photograph, article, event or informational tidbit to the Editor!

Please send correspondence concerning *Boreus* to Joyce Leung at boreus@entsocbc.ca.

The deadline for submissions to be included in the Summer issue is **June 1**, and the Winter issue is **December 1**. Submission dates are flexible. Submit before the end of the *month*.