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Newsletter of the American Society of  
Parasitologists

Parasitology, Harold W. Manter Laboratory of

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Fall 12-7-2017

## American Society of Parasitologists Newsletter, Volume 39, Number 2, Fall/ Winter, 2017

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ASP Newsletter

Vol. 39, No. 2.

Fall, 2017

# The American Society of Parasitologists



# Newsletter

Usually Published Quarterly by the American Society of Parasitologists

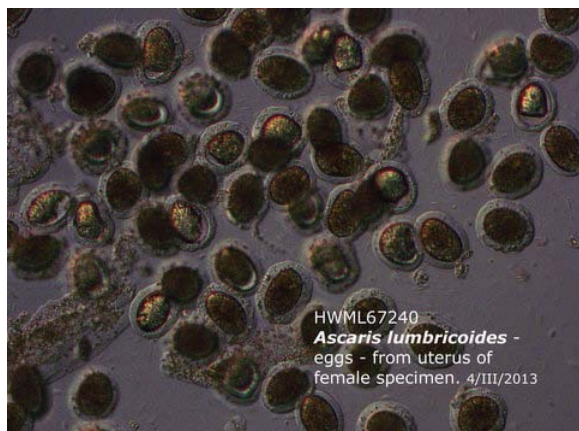
**ASP Newsletter:** Released on the UNL Digital Commons, December 8, 2017.

## From the Editor

Send me a link to your favorite lecture on parasites or consider providing an actual parasite lecture. Your contribution is valuable and anything sent in to me will be considered for publication.

Sincerely,

SLG - editor



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## President Susan Perkins - A Letter to the ASP Membership

I am so honored to be serving as your new President of the American Society of Parasitologists. From my first meeting, I knew that this Society was a home for me – a place where I could meet new colleagues and friends and learn more about the amazing diversity of parasites. Although we know that we have some challenges ahead, I am committed to working hard to help improve ASP in ways that benefit our diverse and dedicated membership. One of the first goals is to enhance the communication within our Society, across multiple dimensions. To help with that, at our Annual Meeting this past June in San Antonio, Council



Susan me amongst some nematodes at the Corning Glass Museum's exhibit on microscopy.



Melissa Ingala, one of Susan's graduate students, and Susan, at the NYC March for Science.

voted to form a new Public Relations Committee, that will be updating and enhancing our website, improving our presence in social media, and reaching out in new and exciting ways to the parasitological community.

As any officer of the ASP can attest to, there is no shortage of people who wish to bend your ear at the Annual Meeting to provide their opinions on how things should be changed – or not – to attract more members, gain new ones, or retain the old ones. Indeed, I spent a considerable amount of time listening to colleagues this year as they offered ideas



and advice. However, it was becoming clear that the best path forward was to actually generate the data that we needed in a systematic way. I proposed to the Priorities Committee that we conduct a post-meeting survey and they enthusiastically agreed to help formulate one. We sent it out in July and got 150 responses – an excellent return. The results, including a large number of very constructive comments, were tabulated and sent to our Program Officers, Meeting Planner, and local host of our upcoming meeting in Cancun in 2018. We hope to continue these surveys to get additional feedback and improve the experience that members have at the ASP annual meeting.

As soon as I returned from the meeting, gavel in hand, the real hard work of the Presidency began. The first order of business was to make the 25+ appointments to the various committees and select chairs, where necessary. I extend here a huge thank you to everyone who agreed to take on these tasks – they are extremely important to our Society.

The second important task that I took on was to begin the process of converting the ASP from a 501(c)(6) organization to a nonprofit 501(c)(3) organization. This change will mean that we will be fully exempt from sales tax, something that has added significantly to our operating costs at the annual meetings. Council approved of a plan to use the law firm of Montgomery and Andrews, which are based in New Mexico, to help guide us through this process and they are currently working on this task for us.

One of the next extremely important jobs was for ASP to appoint a new Editor of the *Journal of Parasitology*. I'm extremely grateful to the committee, chaired by Julian Hillyer, that solicited applications, screened candidates, and brought Dr. Richard E. Clopton forward as their recommendation for the new editor. I was thrilled when Rich accepted our offer to take over the reins as editor of "The Journal." He brings to us a very ambitious vision along with substantial editorial experience. I am very much looking forward to working with Rich through the rest of my term.

In the second half of the remaining term of my Presidency, I look forward to working with the other officers and with Council to continue to take the important steps needed to make the ASP even stronger. We are formulating some important changes to our by-laws, which will first help with the transition to a 501(c)(3) organization, but also which will make



future transitions of positions a more seamless process. Allen Press is hard at work on a marketing plan for ASP as we speak, interviewing members, collecting data, etc., and we look forward to hearing their results and ideas.

I'm very much looking forward to seeing everyone in Cancun, Mexico in June, 2018. It's a spectacular venue and our local hosts have been working extremely hard to ensure that we will have a great meeting, one that will be enjoyable for all of our long-time members, but also one that will enable new cohorts of parasitologists to convene and become part of the "ASP family" – particularly from Mexico and other parts of Latin America. One of the primary tenets when I ran for President of the American Society of Parasitologists was to promote a climate that



Susan in the American Museum of Natural History exhibit "*The Secret World Inside You*" that she curated in - 2015.

embraced diversity and this will be a wonderful backdrop to talk about the benefits of a diverse and inclusive Society. I'm also very excited for the Presidential Symposium that will be held during the meeting in Cancun; for although my heart still lies with the malaria parasites that I've worked on for over two decades, microbiome science has become a high priority for me and my students as well, thanks in part to the AMNH exhibit on the subject that I curated in 2015 ("The Secret World Inside You") and the book that I wrote with my colleague Rob DeSalle. I thought it would be really interesting to combine those two subjects for my Presidential Symposium and so, to that end, I've asked three amazing scientists who work on the frontiers of parasitology and microbiology to come and share



their work.

Thank you all for providing me with the honor to serve as your President.



**Susan in the field in Sulawesi, Indonesia, getting assistance from one of the amazing porter women who helped in the field.**



# World Scientists' Warning to Humanity: **A Second Notice**

[William J. Ripple](#), [Christopher Wolf Thomas](#), [M. Newsome](#), [Mauro Galetti](#), [Mohammed Alamgir](#), [Eileen Crist](#), [Mahmoud I. Mahmoud](#), [William F. Laurance](#), and 15,364 scientist signatories from 184 countries.

*BioScience*, bix125, <https://doi.org/10.1093/biosci/bix125>

Published: 13 November 2017

## Another Warning - "Three Seconds."

Another warning to humanity in the form of a short Movie. [Epic Message from Prince Ea To Our Fellow Inhabitants of the Earth. From Nat. Geo.](#) Directed by Spencer Sharp.



Image of one of the last families of Nomadic people in Asia crossing the Bulgan River just north of the Chinese border in Mongolia, 2012.



## Plan now for the 93rd ASP annual meeting. 21 - 24 June, 2018.

[Marriott Cancun Resort](#)  
[Boulevard Kukulcan, Retorno Chac L-41, Zona](#)  
[Hotelera Cancun 77500 Mexico](#)



**Join the American Society of Parasitologists for the 93rd annual meeting to be held at the Marriott Cancun Resort.** The ASP has arranged rooms at special rates that can be reserved at those rates up to 3 days before the meeting, during the meeting, and 3 days after. This is a perfect way to get some relaxation in before and after the meeting!

Access the Marriot web site by clicking above or go here:  
<http://www.marriott.com/hotels/hotel-photos/cunmx-marriott-cancun-resort>





## JOBS

### **Biology of Parasites, Assistant or Associate Professor Department of Cellular Biology and the Center for Tropical & Emerging Global Diseases at the University of Georgia**

The Department of Cellular Biology and the Center for Tropical & Emerging Global Diseases at the University of Georgia invites applications for a full-time tenure track position at the level of Assistant or Associate Professor. We seek an individual who will build a research program centered on mechanistic aspects of parasite biology or interactions with a host. The position includes a very competitive salary, excellent laboratory space and a generous start-up package.

Applicants must hold a PhD (or MD) degree in a biomedical or biological science, and have at least two years of postdoctoral training. The successful candidate would build on the research strengths of the Department and the Center for Tropical and Emerging Global Diseases, one of the world's leading centers for parasite research. Candidates at the Associate Professor level must have demonstrated success in securing extramural funding to support their research. Teaching responsibilities will be in our undergraduate and graduate programs.

Applicants should submit a cover letter, curriculum vitae, research statement (less than 3 pages) and teaching philosophy at <http://facultyjobs.uga.edu/postings/2898>

Three confidential letters of recommendation are required, and applicants should provide email addresses for referees in their application. Application materials submitted in other ways will not be accepted. Review of applications will begin on October 30, 2017, and continue until the position is filled. Contact [cbsearch@uga.edu](mailto:cbsearch@uga.edu) with questions.



## University of Southern California - Marine Ecology

The Marine & Environmental Biology (MEB) section of the Department of Biological Sciences in the Dana and David Dornsife College of Letters, Arts and Sciences at the University of Southern California invites applications for a tenure-track faculty member (Assistant Professor, Associate Professor, and Professor) with research interests in marine ecology.

Preference will be given to those who help build on our existing strengths in microbial ecology, biogeochemistry, geobiology, plankton physiology and genomics, and to junior candidates, but applicants at any level will be considered. The anticipated start date would be in the 2018-2019 academic year. Candidates must hold a Ph.D. in a field related to Biology, Oceanography, or Microbiology.

The appointee would be expected to establish a vigorous, extramurally funded research program and to contribute to MEB's overall research and teaching efforts at the undergraduate and graduate levels. Applications should include a cover letter, curriculum vitae including a publication list, statement of teaching and research interests, and three or more names and email addresses of individuals familiar with the applicant's work who could be contacted by USC for letters of reference. In order to be considered for this position, applicants are required to submit an electronic USC application; follow this job link or paste in a browser: <https://usccareers.usc.edu/job/los-angeles/professor-open-rank-of-biological-sciences/1209/5914564> . Review of complete applications will begin November 1, 2017. Inquiries can be directed to: Chair, Search Committee, c/o Helga Schwarz ([helgasch@dornsife.usc.edu](mailto:helgasch@dornsife.usc.edu)). Further information about the MEB program and faculty can be found at <https://dornsife.usc.edu/bisc/meb/>

**Kansas State University**



The Division of Biology seeks to fill a faculty position in Ecology, starting in fall 2018, at the level of Professor with tenure, although applications from highly-qualified candidates at the level of Associate Professor are also welcome.

We seek candidates with expertise that will complement a well-established and diverse ecology program in the Division of Biology, and contribute to the highly productive, internationally-recognized Konza Prairie grassland ecology research program. We are particularly interested in candidates with experience in grassland and/or savanna biomes and expertise in plant or consumer population and/or community ecology, plant-consumer interactions, or research at the interface of community and ecosystem ecology. In addition to conducting research in his/her area of expertise, the successful candidate will participate fully as a core investigator in the highly collaborative NSF-funded Konza Prairie Long-Term Ecological Research (LTER) program ([lter.konza.ksu.edu](http://lter.konza.ksu.edu)), and contribute to graduate and undergraduate instruction in the Division ([www.ksu.edu/biology](http://www.ksu.edu/biology)). The successful candidate will have a strong record of research productivity, and the ability to provide leadership in interdisciplinary research and develop collaborations across a range of ecological disciplines.

Apply Online Here <http://careers.k-state.edu/cw/en-us/job/502360/profe...>

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**California State Polytechnic University Pomona  
Biological Sciences Department  
College of Science  
TENURE-TRACK FACULTY POSITION  
HOST PATHOGEN INTERACTIONS**

**The Biological Sciences Department at California State Polytechnic University, Pomona** (Cal Poly Pomona) invites applications for a tenure-track position in Host-Pathogen Interactions at the rank of Assistant Professor to begin Fall 2018.

**The Position:** The successful candidate will have a strong commitment to excellence in teaching and research. Teaching responsibilities could include basic microbiology, immunology, cell biology, mycology, parasitology and specialty courses in the candidate's area of expertise, such as host-pathogen interactions, cellular microbiology, or medical microbiology as well as participation in introductory biology





and other courses in microbiology. The candidate must conduct research in host-pathogen interactions at the cellular or organismal levels. The area of specialization is open, but candidates who study host responses to bacteria, fungi, or parasites are encouraged to apply. Post-doctoral experience and previous teaching experience are preferred. The successful candidate is expected to develop an extramurally funded research program involving undergraduate and Master's level students. The applicant will also be expected to assist in curriculum development, advise students, and serve on department, college, and/or university committees, and engage in professional activities. Applicants whose work incorporates a global perspective and a demonstrated commitment to diversity in higher education are particularly encouraged to apply.

**Minimum Qualifications:**

- The successful candidate will have a PhD from an accredited university in Microbiology, Immunology, or related field by December 2017.
- Demonstrate a commitment to contribute, teach, and engage in a multicultural environment with a diverse student body.

**Preferred Qualifications:**

- Previous college teaching experience.
- Post-doctoral research experience.

**Application Procedure:** An application consisting of a single PDF file application submitted electronically with "Host-Pathogen position" in Subject line to [host\\_pathogen@cpp.edu](mailto:host_pathogen@cpp.edu) that consists of:

- cover letter that describes how the candidate's teaching and research experience have prepared her/him to meet the duties and qualifications articulated in the position description (2 pages max);
- curriculum vitae*;
- completed University application form which can be downloaded from our website at <http://www.cpp.edu/~faculty-affairs/documents/acadapplication.pdf>
- statement of teaching philosophy (2 pages max);
- a student success statement about the candidate's teaching or other experiences, successes, and challenges in working with a diverse student population (approximately one page, single-spaced);
- proposed plan of research (2 pages max);
- three representative publication reprints;
- names, titles, addresses, emails and telephone numbers of three (minimum) to five (preferred) individuals who can speak to the candidate's potential for success in this position



Semi-Finalists for the position will be required to provide three letters of reference (PDF format by email) submitted by the reference on official letterhead and an official transcript showing highest degree earned.

The position is open until filled. First consideration will be given to completed applications received no later than **November 15, 2017**. Electronic submission of application materials is preferred. Please address application materials to:

Chair, Host-Pathogen Interactions Search Committee Biological Sciences Department  
California State Polytechnic University, Pomona Pomona, CA 91768

Phone: 909.869.4038 FAX: 909.869.4078

Email: [host\\_pathogen@cpp.edu](mailto:host_pathogen@cpp.edu)

**The University:** Cal Poly Pomona is one of two polytechnic universities in the 23-campus California State University system. Our ethnically diverse student population of approximately 22,000 enrolls in 60 baccalaureate, 26 master's degree programs and a doctorate in Educational Leadership, presented by a faculty of 1,000. We recruit students increasingly from throughout California and beyond. The students are success and career focused and extremely diverse. We are proud of our status as a Hispanic Serving Institution. We have a strong commitment to supporting scholarship, research, and student achievement. Our scenic and historic 1,400-acre campus, once the winter ranch of cereal magnate W. K. Kellogg, is located about 30 miles east of downtown Los Angeles in one of the most dynamic economic and cultural regions in the country, and within an hour's drive of beaches, mountains, and desert. The university is committed to diversifying its faculty and staff and has made educational equity one of its highest priorities. The mission of the university is to advance learning and knowledge by linking theory and practice in all disciplines, and to prepare students for lifelong learning, leadership, and careers in a changing, multicultural world.

**The Department:** Our 28-member Biological Sciences faculty offers a Masters program and a Bachelors program to over 1,000 students in Biology, Biotechnology, and Environmental Biology. The Department faculty has opportunities to engage in cooperative teaching and research activities with other Colleges at Cal Poly Pomona, as well as nearby institutions including California Institute of Technology (CalTech); University of California, Los Angeles (UCLA); University of California, Irvine; University of California, Riverside; University of Southern California (USC); City of Hope Beckman Research Institute; Claremont Colleges; California State University, Fullerton; California State University, Los Angeles. The faculty in this Department has diverse expertise and is involved in a wide variety of both basic and applied research. A focus on teamwork and cooperative activities is well developed. For more information, see the Department website: <http://www.cpp.edu/~biology/>.

*Cal Poly Pomona is an Equal Opportunity, Affirmative Action Employer. The University seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the people of California, to maintain the excellence of the University, and to offer our students richly varied disciplines, perspectives and ways of knowing and learning. Cal Poly Pomona subscribes to all state and federal regulations and prohibits discrimination based on race, color, religion, national origin, sex, gender*



*identity/gender expression, sexual orientation, marital status, pregnancy, age, disability, genetic information, medical condition, and covered veteran status. Cal Poly Pomona hires only individuals lawfully authorized to work in the United States. As required by the Clery Disclosure Act, the university's annual security report is available at <http://dsa.csupomona.edu/police/securityreport.asp>. The person holding this position is considered a 'mandated reporter' under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.*

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## **Assistant Professor of Integrative Biology The Department of Integrative Biology at Oklahoma State University**

OSU invites applications for a tenure-track Assistant Professor position. We seek applicants who will complement and expand our departmental strengths (see <http://integrativebiology.okstate.edu>). Responsibilities include establishing an extramurally funded research program, mentoring M.S. and Ph.D. students, and teaching at the undergraduate and graduate levels. Applicants must have postdoctoral experience and a strong scholarly record.

To apply, email a single pdf document containing: 1) a cover letter, 2) curriculum vitae, and 3) separate research and teaching statements to [biologysearch@okstate.edu](mailto:biologysearch@okstate.edu); also arrange to have three letters of reference sent in support. Application review will begin October 10, 2017 with employment beginning August 2018.

Oklahoma State University is a research-focused, land-grant institution located in Stillwater, OK, a college town with easy access to Tulsa and Oklahoma City. OSU is an AA/EEO/E-Verify Employer. OSU-Stillwater is a tobacco-free campus.





## Baylor University Faculty Position in Tropical Disease Biology

Baylor University is a private Christian university and a nationally-ranked research institution, consistently listed with highest honors among The Chronicle of Higher Education's "Great Colleges to Work For." The university is recruiting new faculty with a deep commitment to excellence in teaching, research and scholarship. Baylor seeks faculty who share in our aspiration to become a tier one research institution while strengthening our distinctive Christian mission as described in our strategic vision, Pro Futuris (<http://www.baylor.edu/profuturis/>). As the world's largest Baptist University, Baylor offers over 40 doctoral programs and has almost 17,000 students from all 50 states and more than 80 countries.

Baylor seeks to fill a tenured/tenure-track faculty position (Assistant or Associate Professor) in the area of Tropical Disease Biology within the Department of Biology. We are pleased to continue an expansion of our research and education mission related to this field. We seek an individual who has a well-established track record of research on tropical disease pathogens and enthusiasm for teaching at the graduate and undergraduate levels. Candidates with basic and translational research expertise in diseases transmitted to humans by invertebrate or vertebrate vectors including (but not limited to) Lymphatic filariasis, Leishmaniasis, Schistosomiasis, Toxoplasmosis, Trypanosomiasis, or Malaria are especially encouraged to apply. The successful candidate will be expected to establish a competitive and externally funded research program in an area of science relevant to human health that contributes to broader departmental goals. Enthusiasm for interdisciplinary research and development of new collaborations within and beyond Baylor University is essential to this position.

To ensure full consideration, complete applications must be submitted by 10/30/2017. Candidates should possess an earned doctorate in the appropriate field of study. Salary and rank is commensurate with experience and qualifications. For position details and application information please visit: [www.baylor.edu/hr/facultypositions](http://www.baylor.edu/hr/facultypositions) or contact the Search Committee Chair ([Robert\\_Doyle@baylor.edu](mailto:Robert_Doyle@baylor.edu)).

*Baylor University is a private not-for-profit university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity employer, Baylor is committed to compliance with all applicable antidiscrimination laws, including those regarding age, race, color, sex, national origin, marital status, pregnancy status, military service, genetic information, and disability. As a religious educational institution, Baylor is lawfully permitted to consider an applicant's religion as a selection criterion. Baylor encourages women, minorities, veterans and individuals with disabilities to apply.*



## Archives of the ASP Newsletter

Please check your back issues and send any paper copies older than 1999 to Scott at the Manter Laboratory, so that we can scan them and get them on line.

The archive site is: <http://digitalcommons.unl.edu/parasitologynews/> and this runs back to Summer 1999. Since this was loaded up and started on the digitalcommons, the ASP Newsletter has been downloaded more than 18,520 times, and 1,900 times in the last year alone!

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## Herman Zaiman Images Always Available on the Manter Laboratory Servers at **NO COST**

<http://hwml.unl.edu/general-parasitology/zaiman-menu> This is the link that takes you to the images that are stored on the HWML servers. These images represent most of the Zaiman 2 x 2 transparencies, in addition, we are slowly digitizing the cat-scan and x-ray images of parasites that are useful in diagnosis. Dr. Zaiman called this the Parasite Radiography series.

Dr. Herman Zaiman (1917-2007), starting around the late 60's, compiled an extensive collection of 2 x 2 kodachrome and ektachrome transparencies showing various medical aspects of the most common human parasites. Dr. Zaiman sold copies of this collection to medical schools for teaching purposes. Just before Dr. Zaiman died, he donated his complete collection of slides to the Harold W. Manter Laboratory of Parasitology. The staff of the HWML scanned and converted all his slides to digital images and these are presented below, free of charge, for the benefit of parasitologists, world-wide.



## Willis A. Reid, Jr. Student Research Grants

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### Call for Applications for 2018.

In 2004, the American Society of Parasitologists began a new program to provide small grants to students studying parasitology. At this time, the ASP is able to fund one graduate student (\$1000) and one undergraduate student (\$500) doing research in the field of parasitology.

- Submission are usually received by January 20, 2018.
- Awardees will be notified by April 1, 2018 and awards dispersed on that date.
- Check the ASP web site for details.

### Eligibility

The competition is open to undergraduate and graduate level ASP student members affiliated with institutions or major professors who have limited or no grant money to support student research. **Both** the student and his/her major professor must be members of the ASP at the time of application. ([Applications for membership may be found at http://amsocparasit.org/](http://amsocparasit.org/)).

### Documentation

The application packet must include:

1. A brief proposal written by the student (**maximum** of **3** pages, double-spaced, 11 pt typeface minimum in either MS Word, WordPerfect, or PDF format only) outlining the student's proposed research must be submitted, along with a separate, detailed 1-page budget of how the money will be spent. Money can only be used for supplies, equipment, and travel expenses for research (**not** to attend and present results at meetings).
2. A brief CV (1-2 pages).
3. A letter of support from the student's major professor stating why the student needs funding and explaining why the student is a good candidate to receive the grant.

NOTE: At the end of one year (April 1, 2018), awardees must submit a brief report (1-2 pages) summarizing their research activities over the year, outlining what was accomplished and the expenses incurred related to the initial proposal. See the ASP web page for current chairs of committees. CHECK THE ASP WEB SITE FOR CURRENT APPLICATION DATA.

<https://amsocparasit.org/>





## ONLINE JOURNALS

Check: [Parasites & Vectors](#)

Check: [Manter - The Journal of Parasite Biodiversity](#)

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## Some Information for Fall and Winter

- [The CDC Zika Virus Information Page](#) This page provides information about Zika virus, distribution, Zika and pregnancy, Zika and travel, and countries and territories with active Zika virus transmission.
  - [The Institut Pasteur Zika information page](#). This page gives good information on Zika from the French perspective.
  - [WHO - Public Health](#). This page lists the latest public health messages in an infographic sort of way. Easy for people to see, read, and understand.
-

**Note to Members of the ASP -**

The ASP Newsletter welcomes news of parasitological interest. Please send your text electronically to the editor as an e-mail and attach as an MS Word document. Drawings, photographs, charts, or tables can be sent as Gray Scale Compressed TIF files at 300 dpi. Thanks: slg@unl.edu

**Editor**

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Scott Lyell Gardner



**HB WARD MEDAL AWARDED TO  
F. SOGANDARES BERNAL, 1959.**

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**Affiliated Societies**

- Annual Midwestern Conference of Parasitologists
- Helminthological Society of Washington
- New England Association of Parasitologists
- Northern California society of Parasitologists
- Parasitology Section, Canadian Society of Zoologists
- Rocky Mountain Conference of Parasitologists
- Southeastern Society of Parasitologists
- Southern California Society of Parasitologists
- Southwestern Association of Parasitologists (SWAP)

[Click Here for a pdf link to the History of SWAP. Written by D.W. Duszynski -2004](#)

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