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Parasitology, Harold W. Manter Laboratory of

Spring 2001

American Society of Parasitologists Newsletter, v. 23, no. 1, January 2001

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American Society of Parasitologists NEWSLETTER
Supplement to THE JOURNAL OF PARASITOLOGY
Newsletter: Volume 23 No 1. January, 2001

Released on the American Society of Parasitologists web-server
[\[http://asp.unl.edu\]](http://asp.unl.edu) on Feb 1, 2001

From the *Editor* of the Newsletter.

The ASP newsletter accepts information and news of a parasitological nature from all disciplines.

The newsletter is scheduled to be published quarterly. My apologies for the delay in publication of Volume 22, No. 4. This delay was compensated for by cancelling publication of Vol 22. No. 4 and publishing these data in Volume 23 No.1.

The initial versions of each newsletter will be all electronic, and these will be made available on the ASP web site as pdf files as the newsletter is set up.

The print version will continue to be produced and distributed at a rate of 4 times per year.

Thanks for your patience.

Scott L. Gardner, Curator
Harold W. Manter Laboratory of Parasitology



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JOB MART

Faculty Position

IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY & MEDICINE
DEPARTMENT OF BIOCHEMISTRY

Postdoctoral Research Associate Molecular Parasitology/immunology

A postdoctoral research associate position is available to work on suppression of inflammation by parasitic nematodes, focussing on the isolation, cloning and functional analysis of specific receptor antagonists. Experience in molecular biology, biochemistry and/or cellular immunology would be advantageous. The appointment will be for up to 3 years on the RA1A scale, starting salary point 6 (£20,865 inclusive of London Allowance).

We have newly refurbished labs, with excellent facilities for tissue culture, microscopy, protein purification and molecular biology. The laboratory forms part of a newly-established Centre for Molecular Microbiology and Infection (<http://www.cmmi.ic.ac.uk>). More information on the lab and the Department is provided at <http://www.bc.ic.ac.uk> and <http://www.bc.ic.ac.uk/research/selkirk/selkirk.html>

Applicants should submit a C.V. and the names and contact addresses/numbers of two referees to Dr Murray Selkirk, Dept. of Biochemistry, Imperial College of Science, Technology & Medicine, London SW7 2AY, United Kingdom. Enquiries can be made by calling Dr Selkirk on 00 44 207 594 5214 (m.selkirk@ic.ac.uk).

Invertebrate Biology/Parasitology

The Department of Biology at the University of North Dakota seeks applications for a tenure-track ASSISTANT PROFESSOR beginning Fall 2001. A Ph.D. is required, and post-doctoral training is preferred. Development of a vigorous, externally funded research program is expected. The ideal candidate would use modern approaches to the study of invertebrates that will complement the Department's strengths in ecology and evolution, fisheries and wildlife, and cellular and molecular biology (see websites at <http://www.und.nodak.edu/dept/biology/undergrad/biundergrad.htm> and <http://www.und.nodak.edu/dept/biology/eco-evol>).

Teaching duties include an undergraduate course in parasitology or invertebrate zoology; potential participation in introductory biology; and, ultimately, development of a graduate or upper-level undergraduate course in area of expertise. Send letter of application, curriculum vitae, statement of teaching and research interests, and three letters of reference to:



Dr. Richard D. Crawford,
Department of Biology
Box 9019
University of North Dakota
Grand Forks ND 58202-9019.

Final review of applications will begin on 05 January, and will continue until the position is filled. The University of North Dakota is an Affirmative Action/Equal Opportunity Employer.

Post-Doctoral Positions.

Two Postdoctoral Scientist positions available immediately to study the molecular composition of the apicomplexan parasite *Sarcocystis neurona*, the causative agent of equine protozoal myeloencephalitis. Projects will utilize the expanding sequence database of *S. neurona* ESTs as the basis for identification and characterization of parasite surface or secretory antigens. Applicants should have a Ph.D. or equivalent degree and a background in microbial genetics/genomics, molecular biology, or a closely related field. Experience in infectious disease research is preferred, but not essential. Send a brief description of research experience and interests, curriculum vitae, and the names and telephone numbers or Email addresses of three references to: Daniel K. Howe, Ph.D., Department of Veterinary Science, University of Kentucky, 108 Gluck Equine Research Center, Lexington, KY 40546-0099. Email: dkhowe2@pop.uky.edu
The University of Kentucky is an Equal Opportunity Employer.

AWARD NOMINATIONS

-This is posted late, perhaps there is still time (published on the web version of the newsletter, not in hard copy form)

Call for nominations for the WAAVP Peter Nansen Young Scientist Award

The aim of the **WAAVP Peter Nansen Young Scientist Award foundation** is to hand out a prize rewarding innovative and outstanding work by promising young professionals in the field of Veterinary Parasitology. The award will be **presented at the WAAVP Conferences, the first time in Stresa, Italy**, August 2001. In addition to a cash prize, the award also covers the registration fee, economy travel costs and accommodation for the recipient to attend the Conference. If not a registered member, the recipient will receive a two-year membership of WAAVP.



DANISH CENTRE FOR EXPERIMENTAL PARASITOLOGY

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35 28 27 94 - E-mail: mila@kvl.dk

Established by The Danish National Research Foundation - Acting as an FAO Collaborating Centre on Helminthology, Copenhagen 12/12/2000

Nominations should be made by a **proposer** and a **second**, and the portfolio consists of the following documents:

- (i) a detailed statement describing the **innovative nature**, and **excellence** of the work by the young professional (max. 2 pages).

This statement should be signed jointly by the proposer and the second, or each may submit a separate statement

- (ii) a **Curriculum Vitae** including a list of publications.

The permission of the nominee is not required, and the nominee need not be aware of her/his nomination.

In order to qualify for the award the Nominees should be younger professionals, with a Master of Science (or equivalent) or higher level degree, aged 40 or younger at the time of nomination for the prize.

A Management Committee, appointed by the WAAVP Executive Committee, will evaluate nominated candidates, irrespective of gender, religion, and/or geographical origin. Nominations are only valid for the year in which they are made, but this does not preclude re-nomination of unsuccessful candidates in subsequent years. A candidate can only receive the award once. Serving members of the MC shall be automatically barred from being nominated themselves or from proposing or seconding someone else.

Deadline for nominations: 1 February 2001

Successful nominee notified: 1 April 2001

Nominations should be mailed before the deadline to:

Ann R. Donoghue
Secretary/Treasurer WAAVP
PR Pharmaceuticals
1512 Webster Court
Fort Collins CO 80524



USA

Position Announcements

Microbiologist - Oregon State University, Hatfield Marine Science Center, Cooperative Institute for Marine Resources Studies (CIMRS), Newport, Oregon. We seek a Faculty Research Assistant to join a team of ocean ecologists who are studying juvenile salmon ecology off Oregon and northern California as part of the U.S. GLOBEC Northeast Pacific (NEP) program. The GLOBEC-NEP program emphasizes ecological studies of zooplankton, juvenile salmon and their associated nekton with an overall objective of determining how biological processes and population dynamics are affected by physical features and dynamics at the mesoscale level. The research will focus on pathogenic viruses, bacteria, and parasites of juvenile chinook and coho salmon as part of a project addressing the growth and health of juvenile salmonids off the northern California and Oregon coasts.

We seek a person with a B.S. or M.S. in a biological science (Zoology, Microbiology, Fisheries) or equivalent experience. The ideal candidate will have experience in molecular diagnostic techniques of bacterial, viral or parasitic diseases of fish. We are particularly interested in an individual with additional experience in cell culture, immunodiagnostics, and microscopy, strong quantitative/computer skills, training in data analysis/statistics, an interest in ecology and willingness to work at sea. Salary range is on the order of \$25,000 to \$30,000 per year depending upon qualifications and experience; the position is fixed-term throughout the end of the 2001 fiscal year with renewal at the discretion of the Director of CIMRS. Please send a statement of interest, a curriculum vitae and the names, addresses, telephone numbers and e-mail addresses of three references to Dr. Kym Jacobson, National Marine Fisheries Service, Hatfield Marine Science Center, 2030 S. Marine Science Drive, Newport, OR 97365, by January 31, 2001. Questions about the position may be directed to Kym Jacobson at (541) 867-0375 or Kym.Jacobson@noaa.gov.

OREGON STATE UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER AND HAS A POLICY OF BEING RESPONSIVE TO THE NEEDS OF DUAL CAREER COUPLES.

USDA ARS NEMATOLOGY LABORATORY

The USDA, ARS, Nematology Laboratory is seeking two Postdoctoral Research Associates, (Research Molecular Biologists). The incumbents will employ functional genomics approaches for the study of development in plant-parasitic nematodes of agricultural importance. The primary goal is to clone and characterize genes involved in developmental arrest and sensory processing (the dauer pathway) and to identify novel methods to disrupt nematode development. Strong molecular biology skills are required. Prior experience with plant parasitic nematodes is helpful but not required.



Refer to www.ars.usda.gov for the full text announcements (#RA-01-018L and #RA-01-014H) and complete application instructions. Salary starting at \$42,724, commensurate with experience, plus benefits. A Ph.D. is required. There are some citizenship restrictions.

The Nematology Laboratory is located in Beltsville, Maryland, in the Washington, DC metropolitan area, a rich source of cultural and entertainment opportunities, and within a few hours drive of the mountains, beaches, and the Chesapeake Bay.

Send application materials and references to Andrea Skantar, PhD.,
USDA-ARS, Nematology Laboratory, Bldg. 011-A, Rm. 130, Beltsville, MD
20705; email: skantara@ba.ara.usda.gov.

USDA is an equal opportunity provider and employer.

ANNOUNCEMENTS

SPARC and the Triangle Research Libraries Network (TRLN) today launch DECLARING INDEPENDENCE: A GUIDE TO CREATING COMMUNITY-CONTROLLED SCIENCE JOURNALS, a how-to handbook and web site that guides editors and editorial board members of scientific journals toward responsible journal publishing. To see the site or download a PDF version of the handbook, please go to: <http://www.arl.org/sparc/DI>

As you know, many editors and editorial board members of STM journals are unaware of the serials crisis; more to the point, they are unaware they may be part of a journal whose high cost and unsatisfactory policies contributes to the serials crisis. DECLARING INDEPENDENCE presents this issue in a straightforward way to researchers who may wonder what their responsibilities are and how best to change the status quo.

DECLARING INDEPENDENCE is divided into three sections: the first helps researchers determine whether or not their journal serves its community; the second presents alternative publishing options; the third guides researchers through an evaluation process of these alternative options. There are also extensive web resources and journal pricing charts included in the appendices, along with a bibliography. Our goal throughout was to back up librarians' excellent educational efforts on campus.

DECLARING INDEPENDENCE is a complement to the work many of you have already undertaken vis a vis SPARC and the Create Change campaign. The handbook will be mailed (via traditional post) to about 1400 editors and editorial board members of STM journals (based on the Create Change database of the 100 most expensive journals, located at



www.createchange.org/resources/journal.html). We are also distributing it through scientific associations and at ALA. Each SPARC and ARL library will receive five copies; any institution can order up to 50 additional copies, free of charge, by sending an email to pubs@arl.org.

Thank you very much for your support. Please post this within your institution and/or to any relevant listservs, and feel free to email me any feedback or comments.

Alison Buckholtz

SPARC--The Scholarly Publishing & Academic Resources Coalition

alison@arl.org

<http://www.arl.org/sparc>

Tel.: 202 296 2296



ASP becomes a member of BIO-ONE

The ASP has voted to become a member of BIO-One. “BioOne is a new non-profit corporation formed and operated as a collaboration between societies and libraries with research interests in the biosciences.”

We join the following societies and journals in this worthwhile endeavour

1. Ambio (Royal Swedish Academy of Sciences)
 2. BioScience (American Institute of Biological Sciences)
 3. American Zoologist (Society for Integrative and Comparative Biology)
 4. Evolution (Society for the Study of Evolution)
 5. Condor (Cooper Ornithological Society)
 6. Wetlands (Society of Wetland Scientists)
 7. SWS Bulletin Abstracts (Society of Wetland Scientists)
 8. Novitates (American Museum of Natural History)
 9. AMNH Bulletin (American Museum of Natural History)
 10. The American Biology Teacher (National Association of Biology Teachers)
 11. Cell Stress and Chaperones (Cell Stress Society International)
 12. The Bryologist (American Bryological & Lichenological Society)
 13. Radiation Research (Radiation Research Society)
 14. Auk (American Ornithologists' Union)
 15. Journal of Eukaryotic Microbiology (Society of Protozoologists)
 16. Journal of Paleontology - (Paleontology Society)
 17. Journal of Paleobiology - (Paleontology Society)
 18. Systematic Botany (American Society of Plant Taxonomists)
 19. Wilson Bulletin (Wilson Ornithological Society)
 20. Journal of Zoo and Wildlife Medicine (American Association of Zoo Veterinarians)
 21. Journal of Avian Surgery & Medicine (Society for Avian Surgery & Medicine)
 22. Conservation Ecology (Resilience Alliance/Ecological Society of America)
 23. Environmental Entomology (Entomological Society of America)
 24. Journal of Economic Entomology (Entomological Society of America)
 25. Journal of Medical Entomology (Entomological Society of America)
 26. Annals of the ESA (Entomological Society of America)
 27. American Midland Naturalist - (University of Notre Dame)
 28. Journal of Mammalogy (American Society of Mammalogists)
 29. Mammalian Species (American Society of Mammalogists)
 30. Coleopterists Bulletin (Coleopterists Society)
 31. Vertebrate Paleontology (Society of Vertebrate Paleontologists)
 32. Photochemistry & Photobiology (American Society of Photobiologists)
 33. Journal of Parasitology (American Society of Parasitologists)
-



IN MEMORY

On a particularly sad note we announce the passing of a great contributor to Parasitology. Dr. Thomas Cheng, 70 years old, died Nov 28 in Charleston, South Carolina. A professor at Lafayette College, University of Hawaii, Lehigh University, and Medical University of South Carolina, he authored or co-authored more than 370 scientific journal articles and 23 books. He received his masters degree and doctorate from the University of Virginia and was a member of Phi Sigma, Sigma Xi, and Tau Kappa Epsilon. He was also a member of the American Society of Parasitologists for many years. He was born in Nanking, China, son of the late Dr. James and Dorothy Cheng.

He was a veteran of the Army and Public Health Service, and he retired as a Navy captain in 1999. He was elected to the Greenbrier Military School, Lewisburg, W. Va., alumni hall of fame in 1998.

He received the Andrew Fleming award from the University of Virginia, the Darbaker award from the Pennsylvania Academy of Science, the Roy and Ira Jones superior Teaching award from Lafayette College, and the Montpelier medal from the Universite' de Montpellier, France.

He was a senior Fogarty fellow at the University of Cambridge and a senior Fullbright research scholar at the University of Perpignan, France. He was a member of the American Association for the Advancement of Science and the Royal Society of Tropical Medicine and Hygiene. Even though he was not active in the ASP for many years, he certainly contributed much to the Science of Parasitology.

He is survived by his sons, Thomas Jr. in New York, Bradford in Thailand, daughter, Allison Hahn in Pennsylvania; sisters, Julia Kurz in Florida, Mary Wu in Texas; former wife, Barbara of Bethlehem.

Contributions: Hospice of Charleston, North Charleston, S.C.

...From Bernie Fried



THE BOOK NOOK

This just in: While not actually a book, it is software, it fits here, I think.

Quantitative Parasitology 1.0 (QP 1.0) is now freely available at <http://bio.univet.hu/qp/qp.htm> It runs on IBM compatible PCs, on platforms Win95 and above.

Statistical tools available in QP 1.0 to describe parasitic infection of a sample of hosts:

Binomial Confidence Interval of Prevalence, Bootstrap Confidence Interval of Mean Intensity, Confidence Interval of Median Intensity, Aggregation indices (variance/mean, index of discrepancy, and k of the negative binomial)

To compare parasitic infections between two samples of hosts:

Fisher's Exact Test to compare Prevalences,
Bootstrap Test to compare Mean Intensities,
Mood's Median Test to compare Median Intensities

Software-Authors:

All but one statistical modules were written by J. Reiczigel.
The module "Aggregation indices" was written by L. Rózsa.
Graphical user interface was designed by Gryllosoft, Budapest, Hungary.

Supported by our Sister Society in Hungary....

Hungarian National Scientific Research Foundation (OTKA
F016792), University of Veszprém,
Hungarian Society of Parasitologists.

It seem appropriate to include a page from their web site: <http://bio.univet.hu/qp/qp.htm>

A BRIEF GUIDE TO QUANTITATIVE PARASITOLOGY 1.0

I. THEORY

1. No single measure can in itself characterise the parasitic infection of a sample of hosts, thus, no single statistical test can compare the levels of infection of any two samples.



2. Rather, parasitic infection of a sample of hosts can be characterised by several different measures, some of which having markedly different biological interpretation, others having more-or-less overlapping interpretations or no interpretations at all. We propose to prefer those measures which have a clear biological interpretation and which do not predict each other.

II. HOW TO DESCRIBE THE PARASITIC INFECTION OF A SAMPLE OF HOSTS

1. Always give the host sample size.

2. Prevalence. This is the proportion of infected hosts among all the hosts examined. Give the confidence interval of prevalence to indicate the accuracy of the estimation (use of the confidence intervals belonging to the 95% probability is advisable).

3. Mean intensity. This is the mean number of parasites found in infected hosts (the zeros of uninfected hosts are excluded). Given the sample size and prevalence, mean intensity simply describes the quantity of parasites found in the sample of hosts. Given the typical aggregated distribution of parasites, its actual value is highly dependent on a few, extremely infected hosts. Also give the confidence interval to indicate the accuracy of the estimation.

4. Median intensity. This is the median number of parasites found in infected hosts (the zeros of uninfected ones are excluded). Median intensity shows the typical level of infection among the infected hosts. Give the confidence interval to indicate the accuracy of the estimation.

5. Quantify the aggregatedness of parasites' distribution among hosts. There are 3 indices widely used for this purpose, but their interpretation is quite similar. All the 3 are available in QP1.0. They predict each other rather well, thus you should use only one of them.

III. HOW TO COMPARE THE PARASITIC INFECTIONS BETWEEN TWO SAMPLES

1. Compare prevalences by Fisher's Exact Test. This will show whether the proportion of infected individuals differs significantly between the two samples.

2. Compare mean intensities by Bootstrap Test. This will show whether parasite quantities differ significantly between the infected proportions of the two samples.



3. Compare median intensities by Mood's Median Test. This will show whether the typical level of infection differs significantly between the infected proportions of the two samples.

Note from the ASP Newsletter Editor:

While I have not yet tried their program @ <http://bio.univet.hu/qp/qp.htm>, it seems as if it would be very useful for general uses in parasitology.

Parasite Rex : Inside the Bizarre World of Nature's Most Dangerous Creatures

Author: Carl Zimmer Hardcover - 304 pages (September 2000)

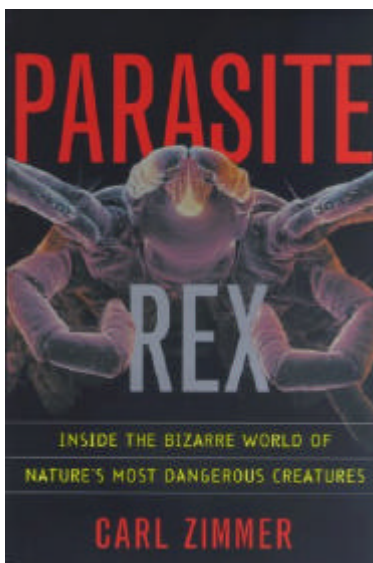
Free Press; ISBN: 0684856387 ; Dimensions (in inches): 1.06 x 8.34 x 6.40

Publisher's Weekly Starred Review

"One of the year's most fascinating works of popular science is also its most disgusting... [an] exemplary work..."

Amazon.com Review by Rob Lightner

"Many books provoke a visceral reaction, but few really make you itch. Science writer Carl Zimmer's Parasite Rex does just that, provoking a deliciously creepy sense of paranoia in the reader as it explores a long-misunderstood realm of science. While entomologists love to announce that there are more species of insects than all other animals combined, few parasitologists choose to trump that by reminding us that 'parasites may outnumber free-living species four to one.' That figure is based on the multicellular chauvinism of the 19th century, which excludes bacteria and fungi from consideration (athlete's foot, anyone?), but Zimmer looks at the E. coli in our guts as well as the worms, flukes, mites, and other critters that earn a healthy living at our expense--and the expense of our domesticated plants and animals."



"...Parasite Rex will show you how beautiful Earth's truly dominant life forms are."

Note from the ASP Newsletter Editor:

I have read Parasite Rex, and feel that Karl Zimmer did a pretty good job of bringing parasites into the public domain in a sensational way. This is something that people can latch on to with glee. The way he presents parasites is in the "ugh" and "oooh" mode, in addition to trying to show how parasitologists actually ply our trade. It seems to work. Making some people afraid, and others more interested in what parasites actually are.



MEETINGS

January 2, 2001

ALERT TO ASC AFFILIATE SOCIETIES FROM ASC ANNUAL MEETING CO-CHAIRS

A letter from the ASC.

Dear ASC Representative/Colleague:

For the first time, the Association of Systematics Collections Annual Meeting, to be held June 8-9, 2001, in Chicago will feature a poster/demo session. It is scheduled (from 1:30 TO 2:45 PM) at the Sears Tower following a noon luncheon (with major speaker) on June 8, the first day of the meeting. No other sessions will be occurring concurrently during this time period.

This will be a great opportunity for your society to showcase collection-related activities or band together and do a joint display table at the conference.

We invite you to participate using any type of format - traditional " posters, " table-top displays, self-contained powerpoint computer demonstrations (presenters will have to provide their own hardware and we cannot provide Internet access), and book/publishing or other displays.

Chicago is a great crossroads for ASC members, with outstanding institutions and professionals throughout the Midwest. The Sears Tower Conference Center in the heart of the city is a great facility to present a variety of "content" on the first day of the meeting from museums, botanical gardens, herbaria, university collections, and other member institutions.

We encourage you to publicize this opportunity within your society and to recruit posters/mini-displays. More information on the meeting can be found at <http://www.ascoll.org/>

DETAILS ON HOW TO SUBMIT YOUR PROPOSAL

****Poster Description/Abstract:** Send a brief description of under 100 words outlining your idea for a "poster" presentation. Be sure to describe your physical set-up and include any information on special requirements or needs.

**** Equipment and facilities ASC can provide:** Pinboards (standing) up to 6 feet in length; 6-foot skirted table for mini-display or tabletop exhibit; straight-back chair(s) ; electrical outlet for laptop. We will NOT have Internet access at this venue.



** Send by EMAIL to ASC headquarters at asc@ascoll.org. Questions ? Call (202) 835-9050

Thanks for your help in making this year's meeting a great success.

With best wishes,

Geoffrey Levin - Email:

bstyles@museum.state.il.us

Bonnie Styles - Email: levin1@uiuc.edu

ASC 2001 Annual Meeting Planning Committee co-chairs

(Distributed by ASC Office)

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ASP Annual Meeting 2001. ALBUQUERQUE, NEW MEXICO

Mark your calendar now as ASP kicks off a new millennium with its 76th annual meeting at the Sheraton Old Town Hotel, in Albuquerque, New Mexico, June 29 through July 3. This promises to be an exciting opportunity to blend cutting edge science with the breathtaking scenery and unique culture of the "Land of Enchantment". In addition to the usual activities, including paper and poster presentations, a late breaker session, the acceptance talk of our Henry Baldwin Ward recipient, and of course, our annual auction, this year's meeting features several special events. These include a symposium entitled "Skeeters 'N Snails", where state-of-the-art work on transgenic mosquitoes, tse-tse fly symbionts, snail defense molecules and other exciting topics will be presented. While a second symposium called "Who Needs Taxonomists Anyway?" will explore the role of taxonomy in modern parasitology, a third will discuss how parasitology can be incorporated into secondary school science curricula. A student workshop will focus on "Parasitology in the 21st. Century: Opportunities for our Graduate Students".

The Sheraton Old Town Hotel is situated in the historic "Old Town" district, noted for its many excellent restaurants, bars, art galleries, and cultural attractions. While here, plan to visit nearby



Indian pueblos, hike in the beautiful Sandia Mountains, or explore Santa Fe, world-renowned for its colonial architecture, exquisite Southwestern art, and its "Summer under the Stars" opera. An opening night reception in the botanical garden of the "Albuquerque Biopark" promises to be an evening to remember.

Abstracts are due by midnight Friday, February 16th.

Go to: <http://asp.unl.edu/> and click on "meetings" to access the on-line/electronic submission system. Make sure that you keep the total number of characters less than 2300 and this includes punctuation, spaces, and letters.

MAKE YOUR PLANS NOW!! For information, visit our web site at:

<http://biology.unm.edu/asp> or <http://asp.unl.edu> or contact Dr. Jessica Morgan at jatm@unm.edu

¡Nos Veramos en Albuquerque!

ASP 2002 TBA: Vancouver, BC - Joint Meeting with ICOPA and the Canadian Society of Zoologists. Contact: George Cain: gcain@cb.uga.edu

ASP 2003 Friday August 1 - Tuesday August 5, The Westin Nova Scotian, Halifax, Nova Scotia, Canada. These are the official meeting dates with a contract shoulder of three days on either side of the meeting dates for those wishing to take advantage of the surroundings. August in Halifax is peak tourist season with all sorts of enjoyable activities on the waterfront. So it should prove to be fun and, if the Canadian Dollar remains low compared to the US\$, it should be relatively inexpensive for many US participants. Contact: George Cain: gcain@cb.uga.edu

RCMP Will Meet May 3,4,5

The Rocky Mountain Conference of Parasitologists will meet May 3,4,5 at the Nebraska State 4-H Camp at Halsey, Nebraska. Cost will be close to \$70.00 for the meeting. This includes lodging, all meals, banquet, and registration. Lodging will be in cabins. No bedding is provided but bedding will be supplied for \$10.00 extra which includes 2 sheets, 1 or 2 blankets, 1 pillow/with pillow case, and 1 washcloth and towel.



If cabins are too rustic, the administration building has 5 rooms with everything included. The cost is \$10.00 extra per night. These rooms will be assigned based upon availability.

Registration packets for RCMP members will be mailed out in the latter part of February. If you have not received one by the second week in March, and you wish to attend, contact either Delane Kritsky kritdela@isu.edu or Mauritz Sterner msterner1@unl.edu

We hope to see you there.

Mauritz C Sterner

Harold W. Manter Laboratory of Parasitology

University of Nebraska State Museum

W529 Nebraska Hall

University of Nebraska - Lincoln, Lincoln, Nebraska 68588-0514

AFFILIATES

Annual Midwestern Conference of Parasitologists

Helminthological Society of Washington

New England Association of Parasitologists

New Jersey Society for Parasitology

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

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ASP Newsletter

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