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Parasitology, Harold W. Manter Laboratory of

Fall 2000

American Society of Parasitologists Newsletter, v. 22, no. 3, September 2000

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Gardner, Scott Lyell, "American Society of Parasitologists Newsletter, v. 22, no. 3, September 2000" (2000). *Newsletter of the American Society of Parasitologists*. 31.

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Asp Newsletter Vol 22. No 3.

American Society of Parasitologists NEWSLETTER
Supplement to THE JOURNAL OF PARASITOLOGY

Newsletter: VOL. 22, NO. 3, SEPTEMBER, 2000

Released on the ASP web-server [<http://asp.unl.edu>] on NOVEMBER 5, 2000



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23 ASP STUDENT MEMBERS RECEIVE TRAVEL GRANTS

The following 23 students received Marc Dresden Travel Awards to attend the 2000 meeting of ASP held in Puerto Rico: Mike Barger (Department of Biology, Wake Forest University), Sara Brant (School of Biological Sciences, University of Nebraska-Lincoln), Amanda Brown (Department of Zoology, University of British Columbia, Vancouver, Canada), S.A. Bullard (University of Southern Mississippi), Jason Curtis

(Department of Biological Sciences, Purdue University), Ana Teresa DeLeon, Vina Diderrich (Department of Comparative Medicine, University of Tennessee College of Veterinary Medicine), Laura Duclos (Department of Biological Sciences, Quinnipiac University, Hamden, CT), Michael Duffy (Department of Biology, University of New Brunswick, Fredericton, New Brunswick, Canada), Amy Farley (College of Veterinary Medicine, University of Tennessee, Knoxville), Sean Forrester (Institute of Parasitology, McGill University, Quebec, Canada), Ben Hanelt (School of Biological Sciences, University of Nebraska-Lincoln), Lee-Ann Heitman (Faculty of Medicine, University of Calgary, Calgary, Alberta, Canada), Dan Holiday, Francisco Jimenez-Ruiz (Laboratory of Parasitology, University of Nebraska-Lincoln), Sanodra Leal, Helen McCarthy University of Ulster, Newtownabby, Co. Antrim, N. Ireland), Allyson Miscampbell (Department of Zoology, University of British Columbia, Vancouver), Karla Riberio (Universidade Santa UrsulaRua Jornalista Orlando Dantas, Rio de Janeiro, Brazil), Jennifer Schawang (School of Biological Sciences, University of Nebraska-Lincoln), Jean Marie Schuh (North Dakota State University, Fargo, ND), Michelle Steinauer (Department of Biological Sciences, University of Nebraska, Lincoln, NE), and Noah Zimmerman (Veterinary Medicine, University of Wisconsin-Madison). A total of \$10,700 was awarded to these students.

ASP AWARDS SPOTLIGHT STELLAR PARASITOLOGISTS

The ASP Henry Baldwin Ward Medal for 2000 was given to Dr. David Lindsay of the Department of Biomedical Sciences and Pathobiology, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Tech, Blacksburg, VA.

The Barclay-McGhee Memorial Lectureship at the ASP 2000 meeting in Puerto Rico was received by Dr. Louis H. Miller of NIAID, NIH. Dr. Miller's talk was on "Parasite Co-receptors as Vaccine Targets."

Dr. Roy M. Anderson of The Wellcome Trust Centre for the Epidemiology of Infectious Disease, Department of Zoology, University of Oxford, Oxford, UK, received the 1999 Eminent Parasitologist Lectureship. He presented a talk at the Puerto Rico meeting entitled "Antigenic variation within Parasite Populations: Implications for Transmission Dynamics and Disease Control."

Dr. Gerhard Schad was named the Stoll-Stunkard Memorial Lecturer for 2000 and presented a talk entitled "Sensory Neurobiology of the Infective Process: The Neuron-specific Investigation of Behavior and Development in Parasitic Nematodes" at the ASP meeting in Puerto Rico.

The Clark P. Read New Investigator Award went to Dr. Todd G. Smith of the

Clinical Sciences Division, University of Toronto, Toronto, Ontario, Canada.

REPORT: 2000 ASP MEETING IN PUERTO RICO

The annual meeting of ASP for 2000 was held in San Juan, Puerto Rico in conjunction with the annual meeting of the Society of Protozoologists June 24-28, 2000 at the Hotel Caribe Hilton. This meeting marked the **75th Anniversary of the American Society of Parasitologists**.

The meeting opened with separate ASP and SOP Council Meetings followed by an editorial and business meeting for SOP. An industrial symposium was held Saturday afternoon which consisted of five presentations on various topics in parasitology and an open forum. In addition, a plenary session dealing with Detection, Diagnosis and Regulatory, and one on Ecology, and a symposium entitled "Novel Cytoskeletal Proteins in Protists" consisting of four papers and discussion sessions. Saturday was rounded out with an evening workshop entitled "The Journal of Parasitology and Y2K.

Sunday morning witnessed the ASP/SOP President's Symposium centering on the theme "Parasite in the Americas and Parasite Research in the European Union" which included four presentations and discussion sessions. The 34th Annual Coccidiosis Conference was held Sunday afternoon, accompanied by plenary sessions on Ecology and on Morphology and Ultrastructure. A symposium on Sunday afternoon dealt with "Encystation: Sugar-Coating the Protozoa" and included three speakers. The Society of Protozoologists past president's lecture was held late Sunday afternoon featuring Dr. James C. Berger (Department of Zoology, The University of British Columbia) who talked on "Riding the Ciliate Cell Cycle - A 35-year Perspective." The auction preview and joint ASP/SOP joint auction to benefit students were held Sunday evening.

Monday began with the Stoll-Stunkard Lecture presented by Dr. Gerhard Schad (Department of Pathology, School of Veterinary Medicine, University of Pennsylvania) who spoke on "Sensory Neurobiology of the Infective Process: The Neuron-Specific Investigation of Behavior and Development in Parasitic Nematodes." Also during the morning, the SOP held its Vice President's address presented by Arno Tiedtk (Institute for General Zoology and Genetics, University of Muenster, France) entitled "Molecular Analysis of the Entry Compartment of the Phagosomal Pathway." Plenary sessions dealing with Taxonomy, Systematics and Phylogeny; Molecular, Developmental and Cell Biology; and, Ecology were held Monday morning. The ASP President's Address was presented by Dr. Ron Fayer (ASP President) and addressed "Global Change Resulting in Emerging Infectious Diseases" and the S.H. Hutner Research Prize Lecture was presented by David Caron (Department of Biology, Woods Hole Oceanographic Institute, Woods Hole, MA) entitled "Microbial Food Web Interactions Involving a Harmful Algal Bloom Species". During Monday afternoon, plenary sessions on Taxonomy, Systematics and Phylogeny; Biochemistry and Physiology;

Host-Parasite Interactions; and, Life Cycles and Epidemiology. Monday's activities ended with the ASP 75th Anniversary Celebration.

Plenary sessions held Tuesday morning included: Immunology; Life Cycles and Epidemiology; and, Molecular, Developmental and Cell Biology. The morning's activities concluded with the ASP Late Breakers Session. Tuesday afternoon witnessed the R. Barclay McGhee Lecture by Dr. Louis Miller (NIAID, NIH, Bethesda, MD) entitled "Parasite Co-receptors as Vaccine Targets", and presentation of the ASP's Henry Baldwin Ward Medal to Dr. David S. Lindsay (Virginia Tech, Blacksburg, VA). The ASP Awards and Business Meeting was held late Tuesday afternoon where the Best Student Presentations and Marc Dresden Travel Grant Awards were distributed to recipients and Dr. Todd G. Smith (University of Toronto, Ontario, Canada) was awarded the Clark P. Read New Investigator Award. The SOP banquet was held Tuesday evening.

The ASP Eminent Parasitologist Award was given to Dr. Roy M. Anderson Wednesday morning. This was followed by the meeting's final event, a joint poster session which included posters on a variety of topics (behavior; biochemistry/physiology; biological control; ciliate biology; detection; diagnosis and regulation; ecology; host-parasite interactions; immunology; life cycles and epidemiology; molecular, developmental and cell biology; morphology and ultrastructure; and taxonomy, systematics and phylogeny).

ASP EXTENDS SINCERE APPRECIATION TO SPONSORS AND LOCAL ORGANIZING COMMITTEE OF 75TH ANNIVERSARY MEETING

The American Society of Parasitologists expresses its sincere gratitude to the following sponsors and local organizers of its annual meeting recently held in San Juan, Puerto Rico. This was the ASP's 75th anniversary meeting.

Sponsors:

University of Puerto Rico Rio Piedras Campus
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Local Organizing Committee:

George V. Hillyer, Chair
Josefina Gomez de Hillyer
Sharon File-Emperador
William Kozek
Heriberto Moreno (student rep)
Jose Perez-Mesa
Fernando Renaud
Evelyn Rivera
Adelfa Serrano
Maricelis Soler de Galanes
Rafael Toledo
Daricel Torres

THE JOB MART

Assistant Professor in Comparative Immunobiology- The Biology Department at the University of New Mexico seeks applicants for a full-time, tenure-track position at the Assistant Professor level in the area of Comparative Immunobiology. Applicants must have a Ph.D. in biology or a related discipline at the time of appointment. Individuals working on either invertebrate or vertebrate model systems are encouraged to apply. We seek an outstanding individual who complements the activities of other comparative immunologists in the department and is interested in joining a broad integrative biology department. The individual hired will be expected to develop an independent research program and be committed to excellent teaching in the undergraduate core through graduate level. Additional information is available at <http://biology.unm.edu>. Applicants should send a letter, curriculum vitae, at least three letters of reference, descriptions of research and teaching interests, and recent reprints to: Comparative Immunology Search Committee, Department of Biology, University of New Mexico, Albuquerque, NM 87131, USA. Tel: (505) 277-9740. Fax: (505) 277-0304. Deadline for receipt of applications is October 16, 2000. *Members of under represented groups are encouraged to apply. UNM is an Equal Opportunity/Affirmative Action Employer and Educator.*

Director, Institute of Parasitology, McGill University - The Institute of Parasitology of McGill University is seeking to appoint a new Director upon completion of appointment of the current Director, Professor Roger Prichard, June 1, 2001. The appointment will be at a senior academic level and the appointee will be expected to have established an international reputation for cutting edge research in parasitology, have a track record for obtaining research support and have high potential for academic leadership during a period of exciting expansion of the University's research activities in infectious

diseases, the biology of pathogens and the development of strong graduate programs oriented to the rapidly growing biotechnology sector. Currently the Institute of Parasitology has eight research groups primarily involved in the molecular biology, genetics, pharmacology, immunology and epidemiology/population biology of protozoan and helminth infections of humans and animals. Complementary projects on bacterial and viral infections, and on cancer cells also are followed at the Institute. There is potential for further expansion of the academic staff at the Institute. The Institute has been an FCAR Centre of Excellence for the past 26 years. The Institute of Parasitology has Ph.D. and M.Sc. research degrees based on the research themes indicated above. It also leads a multi-faculty initiative in postgraduate training in biotechnology and has strong links with microbiologists in the Faculty of Agricultural and Environmental Sciences, and the Department of Microbiology and Immunology in the Faculty of Medicine. The Institute does not offer undergraduate programs, but members of the Institute participate in undergraduate teaching in other Departments, and the Institute staff are active in the McGill School of the Environment. A successful candidate may be nominated for a Canada Research Chair.

Applicants should include a full curriculum vitae, including a complete list of publications, a statement of research interests, an indication of priorities as a future Director of the Institute of Parasitology, and the names and contact addresses of a least three individuals who have agreed to provide letters of reference. Applications should be addressed to: Director, Institute of Parasitology, McGill University, Macdonald Campus, 21,111 Lakeshore Road, Ste-Anne-de-Bellevue, Quebec, Canada, H9X 3V9, The deadline for applications is November 15, 2000. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. McGill University is committed to equity in employment. For further information on the Institute of Parasitology and requirements for the position, consult: <http://parasitology.mcgill.ca>. or contact Dr. Roger Prichard, Director, at rprich@po-box.mcgill.ca ; Tel., (514) 398-7722. Fax, (514) 398-7857.

Predoctoral Fellowships in Cellular and Molecular Parasitology - The Center for Research and Training in Parasitic Diseases at the University of Wisconsin at Madison announces the availability of predoctoral fellowships starting Spring 2001. Funding is through a NIH-funded training grant in the area of cellular and molecular parasitology. This program provides a variety of course and seminar offerings in advanced parasitology, and exciting opportunities for research training in immunoparasitology, molecular parasitology, vector biology, and parasite biochemistry, neurobiology and physiology. For more information regarding graduate training opportunities at the University of Wisconsin, visit our web site at <http://www.vetned.wisc.edu/pbs/cmp> or contact Dr. Tim Yoshino, Director, Cellular and Molecular Parasitology Training Program, Department of Pathobiological Sciences, University of Wisconsin, 2115 Observatory Drive (Biotron), Madison, WI 53706-1087. E-mail: yoshinot@svm.vetmed.wisc.edu Applicants must be a U.S. citizen or permanent

resident to be eligible for fellowship support.

Assistant Professor in Invertebrate Biology -Tenure-track assistant professor position beginning August 2001. Research area is open but special consideration will be given to individuals working in biomonitoring or with organisms that are economically important in agro-ecosystems. The individuals may teach courses in Animal Diversity, Invertebrate Biology, Biostatistics and an upper level/graduate course in the area of their specialty. The successful candidate must have a strong dedication to undergraduate education and will be expected to establish a research program involving undergraduate and M.S. students. Applications should include curriculum vitae, copies of transcripts and reprints, three letters of reference, and statements of teaching and research interests. Review of all materials will begin Dec. 15, 2000 and will continue until filled. Send materials to Dr. Paul Switzer, Department of Biological Sciences, Eastern Illinois University, 600 Lincoln Avenue, Charleston, IL 61920. For more details contact Search Chair (e-mail: cfpvs@eiu.edu) or visit the website at www.eiu.edu/~biology. Eastern Illinois University is an Equal Opportunity/Equal Access/Affirmative Action Employer committed to achieving a diverse community.

NEW ADDRESS AND EMAIL FOR K. DARWIN MURRELL

Darwin Murrell has moved and taken on a new position as Director of the Danish Centre for Experimental Parasitology, Royal Veterinary and Agricultural University, 3 Ridebanevej, DK-1870 Fredriksberg C, Denmark. E-mail: kdm@kvl.dk. Tel: 45 35 28 27 75. Fax: 45 35 28 27 74.

FIRST ANNOUNCEMENT FOR THE 10TH INTERNATIONAL CONGRESS OF PARASITOLOGY

The 10th International Congress of Parasitology entitled *Parasitology in a New World*, under the auspices of the World Federation of Parasitologists, will be held August 4-10, 2002 at the Vancouver Convention and Exhibition Centre in Vancouver, B.C. The meeting is sponsored by the Canadian Society of Zoologists (Parasitology Section) and the American Society of Parasitologists.

The Congress will allow for scientific communication, including Plenary Sessions, Invited lecturers, submitted papers in the form of oral and poster presentations and informal round table discussions. Sessions will be arranged into sections that tentatively include:

- * Immunology
- * Molecular Biology
- * Morphology and Ultrastructure
- * Biochemistry and Physiology
- * Ecology and Epidemiology

Papers may be presented in any language although the official language of the Congress is English. Present plans do not include translation service.

City and Venue - Vancouver is a modern city on the shores of the Pacific Ocean. A natural harbor, majestic mountains and sandy beaches set the mood for a relaxed lifestyle. Must-see sights include Stanley Park, the Museum of Anthropology and B.C.'s capital city, Victoria. The Vancouver Convention and Exhibition Center is located at the downtown waterfront on the shore of Burrard Inlet.

For further information on the Congress, please contact: *The ICOPA X Secretariat*, C/o Venue West Conference Services, Ltd., #645-375 Water Street, Vancouver, British Columbia, Canada, V6B 5C6. Tel: (604) 681-5226. Fax: (604) 681-2503. E-mail: congress@venuewest.com

NEW URL FOR AMERICAN SOCIETY OF PARASITOLOGISTS

The American Society of Parasitologists has a new URL <http://www.asp.unl.edu>. The old URL will continue to work.

NEW INNOVATIVE STUDENT TEXTBOOK ON NEMATODES PUBLISHED

Pensoft Publishers has recently published *An Introduction to Nematodes: General Nematology, a student's textbook* by Bernhard Weischer and Derek J.F. Brown. The book, published in English, presents an overview of nematodes (human, animal in the broadest sense, and plant) in what is considered an exciting, innovative and easily assimilated manner for the high school/undergraduate student who may never have heard of nematodes! The format and presentation is unlike that of any previous book on the subject. It is comprised of 11 lectures, with the expectation that the individual lecturer will adapt the content as appropriate for local requirements. The book also has an appendix listing films about nematodes, nematology societies, nematology journals and useful nematology web addresses, and concludes with a comprehensive index. Several universities in Europe and the USA have already adopted this new textbook as a course text for undergraduate and graduate students. *An Introduction to Nematodes: General Nematology, a student's handbook* (ISBN 9546420875, 186 pages, \$23 + \$4 s&h) can be obtained directly from the publisher (Pensoft Publishers, <http://www.pensoft.net>.) by credit card, with generous discounts available for bulk orders, or from your local bookstore. This text is the first in a series of "global standard" student textbooks dealing with nematodes. Each title in the series is being published in English, eventually to be followed by editions translated into Chinese, Portuguese, Spanish and German. All books in the series are being printed to a very high quality, with a full color cover with six "attention-grabbing" photographs on the front and another six on the back cover. The books are being printed in two colors, are extensively illustrated, and the price has been kept as low as possible on order that students can afford to buy personal copies of the book.

NEW EDITOR NAMED FOR ASP NEWSLETTER

Scott Gardner will replace George Stewart as Editor of the ASP Newsletter for the December 2000 issue. I have thoroughly enjoyed my tenure as Newsletter Editor and thank all ASP members for allowing me to serve in this role for the past 8 years. Scott, who also manages the ASP web site, will undoubtedly do an excellent job as Editor. My best wishes to Scott for a successful term. Hope to see all of you at the next ASP annual meeting. George Stewart

CENSUS OF PARASITES OF MARINE LIFE PROPOSED BY ALFRED P. SLOAN FOUNDATION

The Alfred P. Sloan Foundation is proposing a Census of Marine Life in the Gulf of Maine and Georges Bank ecosystem of the northwest Atlantic as a pilot project for the Global Census of Marine Life. Sharon MacLean has been tasked with gathering a representative listing of parasites reported from marine organisms in these two areas. Very likely there is a substantial amount of published information, and since the Georges Bank and the Gulf of Maine may not be keyed into the computerized listings, I am seeking the help of parasitologists in preparing a list of these publications.

If you have published, or know of publications, on parasites of marine organisms (from phytoplankton on up to whales) from the Gulf of Maine and the Georges Bank, and would like to share this information, I would appreciate an e-mail from you identifying these publications (smaclean@mola.na.nmfs.gov). You may provide this information in the body of the e-mail or as an attachment in ASCII text format, preferably in the format of the *Comparative Parasitology* journal. Listing the Gulf of Maine separately from the Georges Bank would be most helpful.

If you are interested in more information about the Alfred P. Sloan Foundation's science programs and granting process, visit the web site at: <http://www.core.cast.msstate.edu/censhome.html>. Sharon A. MacLean, Res. Fishery Biologist, NOAA/NMFS/NEFSC

FRIED FEATURED IN CHRONICLE OF HIGHER EDUCATION

The following article written by Denise K. Magner featured the works of Bernard Fried and appeared in the July 14, 2000 edition of the *Chronicle of Higher Education*.

At Lafayette, Making a Name in Research at a Small College

Some people wouldn't take kindly to sharing their name with a parasite. But to Bernard Fried, having a new species of intestinal pest named after him was the ultimate compliment.

As a professor of biology for 37 years at Lafayette College, Mr. Fried's intellectual life has been consumed by parasitic flatworms. It was a fitting cap to his career to have a team of scientists at the University of Valencia in Spain - who knew Mr. Fried through the voluminous body of his published work - dub a species they had

discovered *Echinostoma friedi*.

So, how did a scientist at a small liberal arts college in Easton, Pa., manage to loom so large in his field? One word: Publishing. Over the course of his career Mr. Fried has written more than 400 articles and nine books, including his latest coedited volume, just out in February, *Echinostomes as Experimental Models for Biological Research* (Kluwer).

PARASITES AND HUMANS

The 66-year-old scientist became an emeritus professor at Lafayette at the end of June. Not that his career is over just yet: A former student has donated \$50,000 to renovate a new laboratory and offices on the campus for the professor to continue his work. It's just as well, he says, "I'd have a hard time retiring."

Professor Fried's research has explored the functional morphology of parasitic flatworms: how they live, how they reproduce, how they feed. But what has most intrigued him is their striking similarity to humans. "They have the same systems we do - an organ system, a digestive system, a reproductive system. I've done a lot of work describing all of these systems."

He has focused on a group of parasites called echinostomes - meaning spiny mouths - found mainly in the Far East. "You can get them from tainted food," M.r. Fried says. "They can be a health problem, but it had not been worked on 30 years ago when I decided to concentrate on that group." Since then, he has written more than 200 articles on those flatworms alone.

"I probably could have done more sophisticated things at a big university," he says. "And, I probably could have gone for bigger grants. But I have had no trouble getting grants. And I have been able to enjoy here what I enjoy doing - basic research."

It was pressure from the college to broaden his teaching obligations that finally convinced Mr. Fried to step down.

In recent years, he has taught courses on the biology of invertebrates, on parasitology and on histology. But lately, he says, both the provost and members of his department had been pushing him to teach a few sections of the department's introductory biology course.

It has been years that he taught that course - years that he spent focusing on his own subfield rather than keeping tabs on all the dramatic changes happening across biology. As a specialist, he didn't like the idea of standing in front of a classroom pretending to be a generalist.

"I just didn't want to do it," he says. And he didn't want to fight about it. Retirement became the best solution, especially since the college was happy to keep him on campus in an emeritus research role.

The provost, June Schlueter, says she understands how he feels. But the college doesn't want introductory courses to be viewed as something you teach to pay your dues and then move on, but as courses everyone should teach, even star researchers. Still, she says, "He has paid his dues." He has had a "remarkable career" with a publication record that she suspects is "unmatched" at most liberal arts colleges.

“Undergraduate colleges pride themselves on being teaching institutions,” she says, “but the high quality ones have faculty that are as seriously engaged in research as some of their colleagues at research institutions.”

WORKING WITH UNDERGRADUATES

His publishing record didn't cut him off from students. In fact, he has spent his career involving students in his research. Ms. Schlueter recalls a letter she received from an orthopedic surgeon, one of Mr. Fried's former students, who wrote about the professor's classes: “‘Who else,’ he asked, ‘could make the travels of *Necator americanus* seem like it should be a Steven Spielberg movie?’”

Of his 400-plus articles, roughly half have been co-written with undergraduates who have worked in his laboratory. One of them was R. Marshall Austin, Mr. Fried's former student who donated \$50,000 toward his new laboratory on the campus. Mr. Austin, who graduated from the college in 1971 and is now a pathologist in Charleston, S.C., credits his professor with getting him, started. As a student researcher in Mr. Fried's lab, Mr. Austin says, he published three scientific papers with the professor. He thinks those papers are the main reason he was admitted into Duke University's M.D./Ph.D. program.

Why did he fork over \$50,000 for his mentor? “I've never know anyone who had such a pure sense of joy over basic discovery,” says Mr. Austin.

STAYING ACTIVE IN THE LAB

As a retired research professor, Mr. Fried will still be able to take advantage of a campus program in which students are paid \$10 an hour to work as research technicians in professor's labs. “I already have a chemistry major lined up for next year,” he says.

Many of those students, like Mr. Austin, have used Mr. Fried's lab as a jumping-off point for their careers. He can't help but brag about their achievements: “I have students who are at the top of their profession in medicine, both human and veterinary. About a half-dozen are Ph.D.'s in parasitology, and another dozen are Ph.D.'s in the biological sciences.”

Come fall, his former students and a lot of other folks will get a chance to watch him at work in his lab. He will be among the parasitologists featured in November on a Discovery Channel special, *Parasites: They're Eating Us Alive*.

Sure, the show will talk about the harm that parasites can do. And some of it will no doubt be disgusting. But Mr. Fried says he wants viewers, just like his students, to appreciate something else about parasites: They're among the most complex and beautiful organisms on the planet.

On a separate note, Dr. Fried was recently named to *Who's Who in America, 2001*; was recently honored by Lafayette College for distinguished teaching, scholarly research and service to the college; was a recipient of the Delta Upsilon Distinguished Mentoring and Teaching Award; and received a Joseph Johnson Hardy Memorial Fund Award for long-term continuous service to the college.

ASP AFFILIATE SOCIETIES REPORT FOR 2000

The Parasitology Section of the Canadian Society of Zoologists

The Parasitology Section of the Canadian Society of Zoologists met during the Annual Society Meeting held at the Algonquin Hotel, St. Andrews, N-B, May 2-6, 2000. The

Section has approximately 65 members, about a third of whom attended the St. Andrews meeting. The Parasitology Program included 18 oral, two poster and four symposium presentations.

Dr. M. A. Fernando (University of Guelph), was the recipient of this year's Wardle Award. Dr.

John Barta (University of Guelph) introduced Dr. Fernando who presented the Wardle Lecture entitled "Alterations in the Host Cell Induced by Eimerian Infections".

The Parasitology Section has two awards for student presentations. The Murray Fallis Prize, awarded for the best oral presentation, went to Mr. Sean Forrester, Institute of Parasitology, Macdonald College, McGill University (Supervisor: Dr. R. Beech) for his paper entitled "Glutamate Modulates Ivermectin Binding to a Glutamate-Gated Chloride Channel Subunit from *Haemonchus contortus*." Sean was also the winner of the ASP Travel Award. Second Prize went to Mr. Chris Cutler, Department of Biological Sciences, Simon Fraser University (Supervisor: Dr. J. M. Webster) for his paper "Entomopathogenic Nematode Infectivity and Host-Finding Ability in Axenic and Xenic Soil-Root Systems".

The Parasitology Section presented a symposium entitled "Life in the Middle of the Food Web: Larval Helminths in Small Fish," organized by Dr. David Marcogliese (Environment Canada, Montr6al). The keynote speaker, Dr. John J. Janovy Jr. (University of Nebraska), presented a lecture entitled "Sinks, Sieves and Seines: Parasites in a Braided River Ecosystem". Other participants included Dr. Allen Shostak (University of Alberta), Dr. Gary McClelland (Fisheries and Oceans, Moncton) and Dr. David Marcogliese (Environment Canada, Montreal). The Section gratefully acknowledges symposium grants from the Canadian Society of Zoologists and the American Society of Parasitologists.

Among the items considered at the Annual General Meeting were the nominations of Dr. Roy C. Anderson (University of Guelph) and Dr. K. G. Davey (York University) for Honorary Lifetime Membership in the Canadian Society of Zoologists and Dr. M. D. B. Burt (Huntsman Marine Science Centre) for Honorary Lifetime Membership in the Parasitology Section. Each nomination was approved unanimously. Dr. D. Marcogliese presented the Report of the Parasite Module Steering Committee. The

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Report covered several items including; progress on the development of protocols for collection of parasites for the Ecological Monitoring and Assessment Network (EMAN), funding for the completion to the Guides to the Parasites of Fishes of Canada, an international stickleback project that has received funding from EBOY (International Biodiversity Year 2001) through the biodiversity organization DIVERSITAS and updates on other biodiversity projects currently being organized. See the full report on the Section website. ICOPA X, The 10th International Congress of Parasitology, will be held in Vancouver August 4-10, 2002. Dr. Martin Adamson (Chair, LOC) and Dr. M.D.B. Burt (Chair, SPC), made brief presentations updating members on progress by their respective committees. The next meeting of the Section will be held during the Canadian Society of Zoologists Meeting in May, 2001 at Laurentian University in Sudbury, Ontario.

Nominations for Section Executive positions (Vice Chair and Junior Councilor) and for the Wardle Award for the upcoming year can be submitted to the Chairs of the Nominating and Recognition Committees respectively. These should be submitted as soon as possible. The deadline for all nominations is November 15, 2000. A reminder will be published in the fall Newsletter.

The Nominating Committee, whose job it is to find candidates to fill the two positions vacated annually on the Section Executive, is chaired this year by Dr. David Cone; Phone (902) 420- 5644, FAX (902) 420-5261 and E-mail david.cone@stmarys.ca. The other two members will be announced shortly.

The Recognition Committee, which deals with the Wardle Award and other Honorary Awards within the Section, is chaired this year by TBA. The other members are Dr. M. A. Fernando, Dr. Roger Prichard and Dr. Murray Lankester.

Our Section website (<http://www.biology.ualberta.ca/parasites/home.htm>) is managed by Dr. Allan Shostak (University of Alberta). It contains information about the Section, a directory of Canadian Parasitologists, minutes of the Annual General Meeting, the Annual Report of the Parasite Module Steering Committee and other items of general interest to parasitologists. Check it out.

The Section officers for 2000-2001 are: Past Chair, Dr. David Cone; Chair, Dr. David Marcogliese; Vice-Chair, Dr. Roger Prichard; Councilors, Dr. Ekaterini Riga and Dr. Duane Barker and Secretary-Treasurer, Dr. Dan McLaughlin, Department of Biology, Concordia University, 1455 de Maisonneuve Blvd. W. Montreal, QC, Canada, H3G 1M8 E-mail: mcljd@alcor.concordia.ca Telephone: (514)-848-3409 or FAX (514)-848-288 1.

Helminthological Society of Washington (Dennis J. Richardson)

The Helminthological Society of Washington had an active and prosperous year with 5 meetings, 666th through 670th, in the Washington, D.C. area between October 1999 and May 2000. Dr. Frank Douvres was awarded the Anniversary Award by the Society at the 667th meeting, the annual Anniversary Dinner. Dr. Douvres reviewed his research career, particularly his pioneering work with the in vitro culture of nematodes. The 670th meeting was held jointly with the New Jersey Society for Parasitology at New Bolton Center, University of Pennsylvania, Kennett Square, Pennsylvania. Current officers of the society are Dennis J. Richardson (President), Lynn K. Carta (Vice President), Nancy D. Pacheco (Corresponding Secretary-Treasurer), W. Patrick Carney (Recording Secretary), and Ralph P. Eckerlin, William E. Moser, Allen L. Richards, and Benjamin M. Rosenthal (Executive Committee Members-at-Large). Willis A. Reid, Jr. and Janet W. Reid continue as editors of the Society's Journal. The January, 2000 edition (Vol. 67) of the journal reflected the name change from the *Journal of the Helminthological Society of Washington to Comparative Parasitology*. As of December 31, 1999, the Society had 427 members and 243 subscribers. These figures represent an increase of 2 members and a decrease of 12 subscribers from December 1998 and an overall increase of 6 members and decrease of 36 subscribers from 1997. From December 31, 1999 through May 31, 2000, 22 new members have been added.

New Jersey Society of Parasitologists (Thomas J. Nolan, Ph.D.)

Our first meeting of the year was held at Rutgers University, New Brunswick, NJ on Nov. 3 1999. Dr. Gerry Schad of the University of Pennsylvania gave a talk entitled "Nematode larval neurobiology: specific neuron control of host-finding and development" and Dr. Corinne Thomas of Pfizer Animal Health present a talk entitled "A novel semi-synthetic Avermectin".

Our second meeting held on April 6, 2000 at the Holiday Inn, Princeton began with student presentations. Four students presented their work: Eric Villegas, Audrey Park, Leah Fohl (all from the University of Pennsylvania) and DeBroski Herbert (from Thomas Jefferson University). The Leslie A. Stauber Student Paper Award for 2000 went to Audrey Park, for her talk entitled: "IL-12 is required to maintain a Th- 1 response during *Leishmania major* infection". Eric Villegas was awarded 2nd place for his presentation: "The role of co-stimulatory molecules during Toxoplasmosis. "

After our dinner, Dr. Roncalli gave us a brief review of the lives of Leslie Stauber and Norman Stoll, to remind us who was being honored by the student prize and dinner lecture. He was followed by Dr. William Campbell of Drew University, this year's Norman R. Stoll Memorial Lecturer. His talk, entitled: "Murder, Malaria and Worms", covered the contributions of the infamous murderer Nathan Leopold to the field of Parasitology.

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We again thank our sponsors whose contributions subsidized the dinner and made the student awards possible: The American Society of Parasitologists, Fort Dodge Animal Health, Merck & Co. and Merial, Ltd.

Our final meeting of the 1999-2000 year will be a Joint Meeting with Helminthological Society of Washington and it will be held at the New Bolton Center campus of the University of Pennsylvania Veterinary School on May 6th, 2000. This meeting will include talks by: Dr. Thomas Klei ("Immunity to Equine Strongyle Infections"), Dr. David Sibley ("Motility and Invasion by *Toxoplasma*"), and Dr. James Lok ("The dauer pathway in *Caenorhabditis elegans*: a model for regulation of infective larval development in parasitic nematodes"). A wine and cheese reception will follow at the Allam House, New Bolton Center. This meeting was made possible by the financial support provided by the Laboratory of Parasitology, University of Pennsylvania.

Northern California Parasitologists (Walter Carr, NCP representative to council).

Northern California Parasitologists held two meetings during the academic year 1999-2000. The Fall meeting was a field trip to the Marine Mammal Center at the Marin Headlands. We were fortunate to be present during a necropsy of a young elephant seal that was done by the staff veterinarian. Murray Dailey, Ph.D. hosted the meeting, and he conducted a tour of the facility and his new lab.

The Spring meeting was held at the Asilomar Conference Ground on April 8-9, 2000 at Pacific Grove, CA. Our invited speaker was Armand Kuris, Ph.D. from the University of California at Santa Barbara. He spoke on the biological control of Human Schistosomiasis in Kenya. Student papers were presented on Sunday, April 9. The Balamuth-Horen Award for best student paper was presented to Ted Slowik of the University of California at Berkeley. His presentation was "Host Selection in Ticks: preliminary data from *Dermacentor occidentalis*, *Ixodes jellisoni*, and *L. Pacificus*." Honorable Mention went to Laura Royal, an undergraduate at Sonoma State University for her poster "Cystacanth infections in *Emelita analogs* the sand crab, from Bodega Bay, California." She is doing this work with Murray Dailey and Judy Sakanari.

The president this year was Wallace Harmon, Ph.D., recently retired from Fresno State University. The president-elect for next year is Chindy Peavey Ph.D., San Mateo Mosquito Abatement District.

Rocky Mountain Conference of Parasitologists (Cindy Cordery, ASP Representative to Council)

The 30' Annual Rocky Mountain Conference of Parasitologists was held at Idaho State University in Pocatello, Idaho on May 6-8, 1999. The president and program chairman

was Dr. Richard Spall. The Thursday evening reception was held at the home of Dr. Richard Spall. Twenty papers and seven posters were presented on Friday and Saturday. Barry Beaty was the Gerald Schmidt Memorial Lecturer after the Friday evening banquet with a presentation entitled "Viruses, Vectors and Viral-Vectors." The business meeting was held on Saturday morning.

The Datus Hammond plaque for best graduate student paper went to Mason Reichard from N. Michigan University for his paper entitled, "The assessment of the prevalence and contamination intensity of parasite infections as indirect indicators of vehicular deaths in white-tailed deer." The Datus Hammond plaque for best graduate student poster went to Je Feng from BYU. Each graduate student also received a \$100 stipend donated by the late Dr. Albert Grundman. The best undergraduate student paper went to Lisa Gushwa from Idaho State University for her paper entitled, " Evolutionary implications of Hox/Hom genes in the Myxozoa." The best undergraduate student poster went to Ann Irwin from Idaho State University for her poster entitled, "Higher rates of nucleotide substitution in parasite DNA compared to their host." Each undergraduate student received a plaque and a \$75 stipend.

The new president for 1999-2000 is Dr. Ron Hathaway from Colorado State University. Dr. Richard Heckmann is Secretary-Treasurer and Cindy Cordery is the ASP Representative to Council. The 2000 meetings will be held at Colorado College, Colorado Springs, Colorado on April 27-29, 2000.

The 31st Annual Rocky Mountain Conference of Parasitologists was held at Colorado College in Colorado Springs, Colorado on April 27-29, 2000. The registration of 33 people included 19 students. Attendees came from Arizona, Colorado, Florida, Idaho, Nebraska, Texas, Utah, and Wyoming. The President and Program Chairman was Dr. Ron Hathaway. A reception on the Colorado College campus started the event on Thursday evening. The presentations on Friday and Saturday included 17 papers and 4 posters. One of the many excellent presentations included one by Dr. Larry S. Roberts entitled, "Pseudoscience and Parasitology." The Gerald D. Schmidt Memorial Lecturer after the Friday evening banquet was Dr. John Janovy Jr. with his presentation entitled, "Fish, Parasites, and People in the South Platte River." The business meeting on Saturday was held after the last presentation. Mary Lou Pritchard was awarded Honorary Membership.

The Datus Hammond plaque for the best graduate student paper went to Janet Milek from the University of Wyoming for her paper entitled, "The phylogenetic position of the Udonellidae based on a cladistic analysis of morphological characters." The President's Award for the best undergraduate student paper went to Christopher DeNatale from Colorado College for his paper entitled, "Prevalence of *Borrelia bissetii* and the agent of human granulocytic ehrlichiosis along the Front Range of Colorado."

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The best undergraduate student poster went to Scottie Schmalz from Idaho State University for the poster entitled, "Ultrastructural and genetic evidence that the enigmatic 'rodlet cells' from fishes are Apicomplexan parasites." Each graduate student also received \$100 and each undergraduate student also received \$75 donated by the late Dr. Albert Grundman.

The new president for 2000-2001 is Mauritz "Skip" Sterner from the University of Nebraska Museum. Dr. Richard Heckmann is Secretary-Treasurer, and Cindy Cordery is the ASP Representative to Council. The 2001 meetings are tentatively scheduled for the first weekend in May at Cedar Point, Nebraska.

Southeastern Society of Parasitologists (ASP Representative: Sharon Patton, Secretary-Treasurer)

The Southeastern Society of Parasitologists held its annual meeting at the Chattanooga

Marriott/Convention Center, Chattanooga, Tennessee on April 5-7, 2000. The meeting was held jointly with the Association of Southeastern Biologists and was hosted by the University of Tennessee Chattanooga. The meeting was planned and executed by President-elect and Program officer and local arrangements chair, Dr. George Benz, President Dr. Bruce Conn, Vice President Dr. Vince Connors, and Secretary-Treasurer Dr. Sharon Patton. The scientific program consisted of 35 papers and nine posters. The Byrd-Dunn Award for the best paper presented at the annual meeting by a student was presented to two students: Allison Witherow, Auburn University, Auburn, Alabama, for her paper entitled "Differentiation of *Neospora* spp and *Sarcocystis* spp by Random Amplified Polymorphic DNA-polymerase Chain Reaction," and Mike Barger, Wake Forest University, Wake Forest, North Carolina, for his paper entitled "The Effects of Heterogeneity on the Richness and Composition of the Fish Parasite Community of Basin Creek, North Carolina."

The Presidential symposium organized by Dr. Benz included the following speakers and topics: (1) "We have newly recognized Parasitic Disease Threats to Confront, but Watch Your Backside Too" by Dr. Daniel Colley, (2) "Isopods as Parasites or Associates of Fishes " by Dr. Ernest Williams, and (3) "Pseudoscience in Parasitology" by Dr. Larry Roberts.

At the business meeting, 19 individuals were approved for full or student membership. A moment of silence was observed for the following friends of the society who had died: Drs. Norman Levin, and Author Humes. Officers of the society for 2000-01 are as follows: President - Dr. George Benz, President-Elect - Dr. Cheryl Davis, Vice President - Dr. Charles Faulkner, Secretary-Treasurer - Dr. Sharon Patton. The next meeting of the Society will occur in the spring of 2001 at Berry College, Rome, Georgia with Dr. Bruce Conn as Chair of Local Arrangements. For further information about the

meeting or the Society contact Dr. Sharon Patton, University of Tennessee, College of Veterinary Medicine, Department of Comparative Medicine, Knoxville, TN 379964500. EMAIL - SPATTON@UTK.EDU

Southwestern Association of Parasitologists (John Janovy, Secretary-Treasurer)

The Southwestern Association of Parasitologists (SWAP) met April 13-15, 2000, at the University of Oklahoma Biological Station, Lake Texoma, OK. Eighty nine people registered, and 85 attended. Twenty six papers, including 19 in the student paper competition, and one poster were presented. Two students received the David A. Becker Award: David Lopez, University of Texas El Paso, for his paper "Leukocyte and ova quantification during primary (single or trickle) and challenge infections with *Nippostrongylus brasiliensis* and/or *Eimeria nieschulzi*" and Michelle Steinauer, University of Nebraska Lincoln, for her paper "Enteric helminths of *Graptemys flavimaculata* Cagle, 1954, a threatened chelonian species." Aaron McCormick, University of Nebraska Lincoln, received the Marc Dresden award for his paper "Post-cyclic transmission and its effect on the distribution of *Paulisentis missouriensis* (*Acanth'ocephala*) in the definitive host *Semotilus atromaculatus*." Dr. Anthony Newsome, Department of Biology, Middle Tennessee State University, presented the banquet address entitled "Free-living amoebae: a potential host cell for intracellular parasites." In the annual ballot, Dennis Richardson, Quinnipiac College, was chosen President-elect for 2000, and Scott Gardner, University of Nebraska Lincoln, was chosen ASP Representative to Council. At the end of the annual business meeting, President Richard E. Clopton, Peru State College, turned the gavel over to 1999 President-elect Brent Nickol, University of Nebraska, who promptly adjourned the meeting. Social gatherings were held Thursday evening, Friday afternoon, and Friday evening.

Southern California Society of Parasitologists (Mae Nikaido, Secretary-Treasurer)

Our year opened with a very interesting topic: "Mesocestoides tapeworms: prevalence, diagnosis, treatment & molecular systematics" by Paul R. Crosbie, Ph.D. who is doing post-graduate work at the University of California at Davis, Dept of Veterinary Pathology, Microbiology & Immunology, School of Veterinary Medicine. Over 20 canine cases in various locations in California (all referenced to UC-Davis for diagnostic assistance), unknown path of infection from probable ingestion to migration to peritoneal cavity. Suggested nomenclature: *M. vogae* (*M cordi*), in honor of Marietta Voge who also worked with the parasite.

The next speaker was the winner of the Marietta Voge grant from UCLA: Jarnie Saben, a fourth year medical student. He spoke of "My experience with malaria along the Thailand-Burma border: novel treatment strategies & epidemiology", of the time spent working with the other parasitologists working and doing research in this politically

unstable refugee area which is rife with mosquitoes. A not very common case history of baylisascariasis in a 17 year old boy was presented by Jim Seidel, M.D. A successful, novel treatment modality was instituted to recover his gag reflex.

Our year will culminate with two presentations: Brian A. Federici, Professor of Entomology, University of California, Riverside: "Molecular Biology and Genetic Engineering of Bacteria for Improved Vector Control" and Jane C. Bums, Professor of Pediatrics, Division of Immunology/Allergy, School of Medicine, University of California, San Diego: "Pantropic Retroviral Vectors: New Tools for the Parasitologist"

Annual Midwestern Conference of Parasitologists (Darwin Wittrock, AMCOP Secretary-Treasurer)

The 52nd Annual Midwestern Conference of Parasitologists was held on June 1-3, 2000, at the University of Notre Dame in Notre Dame, Indiana. A total of 61 persons registered for the conference. Dr. Peter W. Pappas of the Ohio State University was presiding officer, and Dr. John Adams of the University of Notre Dame made local arrangements and served as program officer. A total of 16 papers and 11 posters/demonstrations were presented by members. The C.A. Herrick Award (and \$300) for outstanding poster/demonstration was awarded to Alex Eppert of Purdue University from his presentation on "Distribution of *Schistosoma mansoni* genetic diversity within *Biomphalaria glabrata* snails from a site with high prevalence." The G.R. LaRue Award (and \$300) for outstanding oral presentation was awarded to Matthew Bolek of Purdue University for his paper on "Seasonal occurrence and observations of the life history of *Gordius difficilis* (Nematomorpha: Gordioidea) from southeastern Wisconsin." Honorable mention awards (and \$100) were given to Charissa Dresden-Osborne of Clemson University for her paper on "*Trypanosoma cruzi* as a model parasite for studying the immunotoxic effects of fumonisins in mice," and Kelley VanBuskirk of the University of Notre Dame for a poster on "Immunochemical analysis of a defined structural epitope of the *Plasmodium falciparum* NLAEBL and implications for molecular structure." Mr. Bolek was also chosen as the AMCOP nominee for the American Society of Parasitologists student travel grant award with Mr. Eppert as the alternate.

A symposium on "Life Style Choices of Parasitic Protozoans" was given Friday afternoon by Dr. Anthony Sinai of the University of Kentucky who spoke on "*Toxoplasma gondii*: Establishment of residence by an unwelcomed guest," and Dr. Jon Lebowitz of Purdue University who spoke on "Why parasites swim: The fearful fate of *Leishmania* with flaccid flagella and the propensity of paraplegic parasites to propagate in phlebotomine phlies." The banquet speaker was Dr. John Oaks of the University of Wisconsin-Madison whose address was "Zen and the Art of Tapeworms."

Committees appointed by Presiding Officer Pappas were as follows:

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Nominating Committee: Jim Coggins and Dave Daniell
Meeting Sites Committee: Lin Twining and George Cain
Symposium Committee: Tom Platt and Lew Peters
Resolutions Committee: Joe Camp and Kristin Hager
Audit Committee: Kevin Kazacos and Pat Muzzall
Judging Committee: Jeff Laursen, Tony Sinai, and Scott Synder

AMCOP 53 will held in early June of 2001 at Eastern Illinois University in Charleston, Illinois. Additional future meeting sites as determined by the meeting site committee are:

AMCOP 54 - 2002: Millikin University, Decatur, IL
AMCOP 55 - 2003: Michigan State University, East Lansing, Nu
AMCOP 56 - 2004: Wabash College, Crawfordsville, IN
AMCOP 57 - 2005: Truman State University, Kirksville, MO

Suggested symposium themes for next year's meeting were parasites and biodiversity, global warming and the spread of infectious disease; morphology and molecules in parasite taxonomy and phylogeny, vaccines - where are we now?, parasite genome evolution, and life history evolution.

At the business meeting, the minutes of AMCOP 5 1, held at Wilmington College, and treasurer's report were approved. It was moved and seconded that the Herrick and LaRue awards be increased to \$500 each. This motion was defeated. A motion was made and seconded that the Herrick and LaRue awards remain at \$300 but honorable mention awards of a certificate and \$100 each be given to the second place poster/demonstration and second place oral presentation at the discretion of the awards committee. This motion was passed. Dr. Lew Peters of the ASP Education Committee encouraged AMCOP members to become active in parasite day in May and informed members of an upcoming Discovery television program on June 19 involving parasite work by Ron Fayer and Bemie Fried. Dr. George Cain, ASP Secretary/Treasurer, indicated that he would be leaving the University of Iowa for a position at the University of Georgia but ASP Administrative Assistant Tim Walker will remain at Iowa. He also asked for input regarding how to distribute recent funds received by ASP. At the silent auction of parasitology journals and texts, a total of \$110.10 was raised. Officers elected for 2001 were: Dr. Lin Twining of Truman State University as presiding officer, Dr. Jeff Laursen of Eastern Illinois University as program officer, and Dr. Darwin Wittrock of the University of Wisconsin-Eau Claire as secretary-treasurer.

CALL FOR ACTION IN PUBLIC EDUCATION MEETS WITH

ENTHUSIASM

A storm of activity in the public and K-12 arenas was reported for 1999-2000 by over two dozen members of ASP. Events ranged from museum field trips involving hundreds of K-8 students in California to science shows featuring parasites and parasitology in Australia to presentations on parasites for 150 teachers in Germany to a prime time Discovery Channel documentary on parasites and parasitology to talks on parasites presented at the annual meeting of the Association for Biology Laboratory Education to 250,000 hits on a web site devoted to head lice and their management to public displays on parasitism at the University of Alberta to talks at Kiwanis and Rotary clubs on parasites and parasitism and more. ASP members and other parasitologists around the world are answering the call to educate the public and in particular youngsters on the importance of our field and on the many fascinating aspects of parasitism.

CALENDAR OF EVENTS

American Society of Parasitologists Meeting Schedule

June 30 - July 3, 2001: Albuquerque, NM, Old Sheraton Town Hotel

2002, TBA: Vancouver, BC - Joint Meeting with ICOPA and the Canadian Society of Zoologists

2003, TBA: Halifax, Nova Scotia

Contact: *Dr. George Cain, Secretary-Treasurer, Department of Biological Sciences, University of*

Iowa, Iowa City, Iowa, USA. Tel: (319) 335-1061. FAX: (319) 335-1069. E-mail: george-cain@uiowa.edu

3rd Seminar on Food- & Water-borne Parasitic Zoonoses in the 21st Millenium

December 6-8, 2000: Chiang Mai, Thailand

Contact: Dean, Faculty of Tropical Medicine, Mahidol University, 420/6 Rajvithi Rd., Bangkok, Thailand. Tele: 66-2-2469000-13.

Fax: 66-2-2469006. E-mail: deantm@mahidol.ac.th . Web site:

<http://www.mahidol.ac.th/mahidol/tm>

Giardia in the Rockies

October 18-21, 2000: Canmore, Alberta, Canada

Contact: P. Wallis. Tel: (403) 529-0847. Eax: (403) 529-0852. E-mails:

hyperion@telusplanet.net

American Society of Tropical Medicine and Hygiene: 49th Annual Meeting

October 29-November 2, 2000: Houston, TX

Contact: American Society of Tropical Medicine and Hygiene, 60 Revere Drive, Suite 500, Northbrook, IL 60062. Tel: (847) 480-9592. Fax: (847) 480-9282. E-mail:

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astmh@astmh.org.

XVI Brazilian Congress of Parasitology

November 2-5, 2000: Palace Cassino, Brazil

Contact: Parasitology Department/ICB/UFMG, PO Box 486, 31161-970, Brazil. Tel: +55 31 499 2864. Fax: +55 31 499 2970. E-mail: sbp@mono.icb.ufmg.br

Keystone Conference: Plagues of Tomorrow and Yesterday: Emerging Diseases in International Health

November 10, 2000: London, UK

British Medical Association/British Medical Journal Conference Unit, BMA House, Tavistock Square, London, UK WC1H9JP. Tel: +44 20 7383 6605. Fax: +44 20 7383 6663. E-mail: confunit@bma.org.uk

1st International Symposium on the Discovery of New Veterinary Medicines.

November 20-23, 2000: Sandwich. UK

Contact: J. Butler, Peter Rand Group, 6 Station Square, Coventry, UK CV1 2GT. tel: +44 1203 555383. E-mail: jacquiButler@peter-rand-group.co.uk

The 14th Seminar on Amebiasis

November 27-30, 2000: Mexico City

Contact: Dra M. Espinosa Cantellano, CINVESTAV. Aptdo. Postal 14-740, 07000 Mexico DF, Mexico. Fax: +1 525-747-7107. E-mail: camibiasis@infadm.inf.cinvestav.mx

Third Seminar on Food and Water-borne Parasitic Zoonoses.

December 6-8, 2000: Bangkok, Thailand.

Contact: Secretary of the FBPZ Organizing Committee, Faculty of Tropical medicine, Mahidol University, 420/6 Rajivithi Road, Bangkok 10400 Thailand. Tel: +66 2 24 60056. Fax: +66 2 24 68340. E-mail: tmssp@mahidol.ac.th.

Molecular Helminthology: An Integrated Approach.

January 20-25, 2001: Taos, NM

Contact: Keystone Symposia, Drawer 1630, 221 Summit Place Suite 272, Silverthorne, CO 80498. Tel: (800) 253-0685. Fax: (970) 262-1525. E-mail: info@keystonesymposia.org.

Interfaces Between Innate and Adaptive Immunity

January 22-27, 2001: Keystone, CO

Contact: Keystone Symposia, Drawer 1630, 221 Summit Place Suite 272, Silverthorne, CO. Tel: (800) 253-0685. Fax: (970) 262-1525. E-mail: info@keystonesymposia.org.

The Gorgas Course in Clinical Tropical medicine

January 29-March 30, 2001: Lima, Peru

Contact: D.O. Freedman, The Gorgas Memorial Institute, University of Alabama at

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Birmingham, Birmingham, AL 35294-2170. (205) 934-2687. Fax: (205) 933-5671. E-mail: info@gorgas.org

Genetic Manipulation of Insects

February 5-11, 2001: Taos, NM

Contact: Keystone Symposia, Drawer 1630, 221 Summit Place Suite 272, Silverthorne, CO 80498. Tel: (800) 253-0685. Fax: (970) 262-1525. E-mail: info@keystonesymposia.org.

Mechanisms of Eukaryotic Transcriptional Regulation

February 26-March 4, 2001: Santa Fe, NM

Contact: Keystone Symposia, Drawer 1630, 221 Summit Place Suite 272, Silverthorne, CO 80498. Tel: (800) 253-0685. Fax: (970) 262-1525. E-mail: info@keystonesymposia.org.

Microbe Interactions With Their Environments: Genome Perspectives

March 6-11, 2001: Taos, NM

Contact: Keystone Symposium, Drawer 1630, 221 Summit Place Suite 272, Silverthorne, CO 80498. Tel: (800) 253-0685. Fax: (970) 262-1525. E-mail: info@keystonesymposia.org.

The Web-Version of the ASP Newsletter was modified slightly by Scott L. Gardner from the Printed Version, Edited by George Stewart. Contact Mark Sidall (siddall@amnh.org) or Scott Gardner (slg@unl.edu) for information on posting materials to the newsletter or to the ASP web page.