AAVP Newsletter

American Association of Veterinary Parasitologists

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President's Message

Outgoing President Urges Expanded Efforts to Enroll Practicing Veterinarians in Prevention of Transmission of Zoonotic Nematodes

In a presentation entitled "Translating public health research into veterinary practice: The case of pets, parasites, and people" at the annual AAVP meeting in Reno, outgoing President Peter Schantz urged expanded efforts by AAVP members to educate veterinary students and veterinarians to promote strategic anthelmintic treatments of dogs and cats and to educate pet-owning clients about the potential hazards and how to avoid them. Results of recent surveys indicate that intestinal parasitisms, including the zoonotic helminths *Toxocara spp*. and *Ancylostoma spp*. are still very common in dogs, especially puppies, and contamination of the pet's household environment will usually occur unless routine anthelminthic treatment is given to pups and the nursing bitch at strategic intervals. Cases of *Toxocara* larva migrans are seen regularly in clinical centers and serologic surveys indicate that human exposure to infection is common in most regions of the United States. Recently, zoonotic *Ancylostoma spp*. infections were shown to cause eosinophilic enteritis as well as the commonly recognized cutaneous larva migrans syndrome. Surveys of practicing veterinarians indicate that current anthelmintic treatment regimes are not generally designed for maximum effectiveness at preventing environmental contamination with these zoonotic parasitic agents; only a small proportion of veterinarians routinely recommended prophylactic treatments of pups timed to avoid maturation and egg production of nematodes acquired from their dams. Nor do most veterinarians routinely educate clients about the human health hazards associated with these infections. To help remedy this situation the AAVP and the Centers For Disease Control and Prevention (CDC) developed recommendations for veterinarians in the form of a pamphlet entitled "How to Prevent Transmission of Intestinal Roundworms from Pets to People". At this time, more than 50,000 copies have been printed and distributed by members of the AAVP, pharmaceutical companies, the American Association of Public Health Veterinarians and the CDC. Schantz cited these developments as positive steps toward promoting optimal public health, however, he urged continued efforts, especially aimed at veterinary students in their later, clinical training years and at practicing veterinarians. *Submitted by Peter Schantz.*

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From the Secretary/Treasurer

The 1997 version of the AAVP meeting proved to be as exciting and noisy as a Reno casino. Many thanks to all who helped make the meeting a great success. A special thanks to the Program Chair Lou Gasbarre for crafting the large number of papers and topics into logical, well-run sessions. Also, special thanks are extended to our industry colleagues for helping to support the conviviality and spirit that continues to identify our parasitology group as the premier meeting of the year.

The last bills for services in Reno were paid at the end of September. Reno proved to be one of the best attended meetings for the last several years, with members attendance of almost 250. That is close to half of the regular, student and emeritus members. In addition, approximately 35 new names were added to the membership roles, many of them from countries other than the US. The visibility of the AAVP is growing.

By now you have received a dues notice and a change of address card for the secretary. Please accept an apology for any inconvenience the change may cause. My new e-mail address was not opened as promised by mid-September, but should be operational by mid-October. The new address information is repeated at the end of this article.

Almost 30% of the membership have already anted up dues for 1998. Keep up the support! The dues roster will be audited over the next month and reminders sent to those more than 2 years in arrears. In many cases, the lack of a current address is the main hindrance to reminder notices, so keep me posted on your moves. By our constitution, you need to stay current to receive the special attention showered upon AAVP members! If you have a question about your membership status, please do not hesitate to call, write, fax, or e-mail. Tom Kennedy, Secretary/ Treasurer, AAVP c/o Bayer Animal Health, PO Box 390, Shawnee, KS 66201. Phone: 913/962-2890, FAX: 913/268-2541, e-mail: tom.kennedy.b@bayer.com. *Submitted by Tom Kennedy.*

News in Brief

The American Association of Veterinary Parasitologists Response to Pew Charitable Trust Review of Veterinary Curricula

The enclosed documents represent excerpts of work begun by the American Association of Veterinary Parasitologists in November of 1989 as a response to the national review of veterinary curricula initiated by the Pew Charitable Trust. At that time, an *Ad hoc* committee was charged with establishing a document on the status of parasitology within the veterinary curriculum. Within the next 30 months, the committee developed a mission statement, prepared initial documents on teaching, and collected data on the importance of parasitology. In the summer of 1992, the work-plan and information gathered by the *Ad hoc* committee was passed to the Education Committee for implementation. The focus of the committee has progressed along two avenues of investigation.

One set of documents portrays an attempt to emphasize the continued need for an emphasis in parasitology. Information has been assembled on the economic impact of parasitic diseases in terms of annual expenditures on parasiticides and the amount of time practitioners spend on ectoparasitic infestations. Also presented is information on the numbers of parasitology questions on past National Board Examinations.

A second charge to the committee was whether parasitologists should develop a "core" curriculum. An examination of materials from 21 North American veterinary colleges revealed a marked similarity in course content and presentation. However, two item appeared lacking. First, there appeared to be a need for general learning objectives. Second, it became evident that important topics in veterinary parasitology are often presented under titles representing specific parasites or groups of parasites rather than as titles representing the topics. It was felt that a list of these topics along with examples would prove beneficial to parasitologists as they explain the details of what

they are teaching to those less directly involved with the subject. The learning objectives and topics represent the second set of documents.

Aspects of the project that are still being developed relate to the coordination and interdigitation of parasitology and other disciplines, methods for assisting in the preparation of veterinary students for diverse careers, pre-veterinary requirements and their effects on parasitology teaching, the evaluation of student performance, computer-assisted learning, and methods for fostering teaching interaction and exchange.

This document is designed to familiarize individuals with the importance of parasitology and the basic information that is currently taught. Work on this document has caused the teaching membership of the Association to initiate regular meetings and is allowing us to solidify our views on what we feel to be the needs of the subject in the future. Now that we have established basic topics, work can begin on the development of specific learning and performance objectives.

Please share this information with those in your collegiate administration who are involved in curriculum development. A copy of this information packet is also being sent to the individuals teaching Parasitology in your college. Thank you.

Learning Objectives in Veterinary Parasitology - What veterinary students should be able to accomplish by the end of their training in parasitology

1. Name and distinguish the prevalent parasites of companion and food animals to degree of accuracy that identifies an organism with a particular disease.
2. Identify parasites in feces, blood tissues, and organs to a level permitting diagnosis to a general group (e.g., adult fluke), genus (e.g., *Sarcoptes*, *Eimeria*), or, when possible, to a specific agent (e.g., *Ascaris suum*, *Dirofilaria immitis*)
3. Recognize the clinical signs common to or suggestive of parasitic infection.
4. Recognize the pathologic changes consistent with parasitic disease.
5. Carry out the common diagnostic procedures in parasitology (e.g., fecal flotation, skin scraping, Baermann technique, blood smear).
6. Explain how developmental patterns of various parasitic agents are related to the pathology induced in the host.
7. Extrapolate aspects of biology, pathology, and treatment from a known group of organisms to a related but unfamiliar organism.
8. Formulate control programs based on a knowledge of a parasite's biology and the use of existing antiparasiticides.
9. Know how to treat individual animals or herds for specific parasitic diseases.
10. Assess the success of treatment or control measures.

Economic Importance of Parasitic Disease in Veterinary Medicine - The economic importance of parasitic disease in veterinary medicine is difficult to measure with a high degree of accuracy. One mechanism of measuring the economic impact of parasitism is to examine expenditures for antiparasite medication.

For the internal parasites, the following data were compiled from Animal Health Services, Market Research Division.

Internal Parasiticides	$352,947,000[1]
Anthelmintics	$346,947,000
Ruminants	$144,101,000
Small Animals	$132,383,000
Horses	$ 51,506,000
Swine	$ 16,493,000
Poultry	$ 298,000
General	$ 2,168,000
Coccidiostats	$ 4,198,000
Other Internal Parasiticides	$ 1,802,000

Concerning ectoparasites of small animals, a more useful measure is the amount of time and labor involved by veterinarians in the treatment of these infestations. Charles and Charles Associates reports in Veterinary Market Notes that 16.1% of veterinary services to pet owners involved flea or tick treatments. It has also been observed that in Atlanta,

GA, 50% or more of veterinary hospital income was derived from treating flea infested animals or flea-related disease. This data is based on a full year's data for 1990.

This report also includes a frequency breakdown of parasitology questions on the Veterinary National Board Examination and Principle Discussion Topics in Veterinary Parasitology which are not presented here due to length. *Submitted by Bert Stromberg, Chair,AAVP Education Committee*.

Awards

Honor to USDA Zoologist for Control of Human, Livestock Parasites

Washington, June 11. Ron Fayer, a U.S. Department of Agriculture zoologist, will receive a USDA Honor Award for advancing the control of parasites, particularly *Cryptosporidium*. This single-celled protozoan is among the most widespread parasite of humans and livestock worldwide. It has been the cause of death in up to 134 percent of AIDS patients.

Fayer, with USDA's Agricultural Research Service since 1968, leads a research team at the agency's Immunology and Disease Resistance Laboratory in Beltsville, Maryland. Secretary of Agriculture presented plaques to Fayer and other USDA employees at the department's annual awards ceremony. "Dr. Fayer directed pioneering studies that show the environmental factors influencing watershed contamination by *Cryptosporidium*," said Edward B. Knipling, acting ARS administrator. "His studies also pointed to effective ways to prevent or treat contaminated water, and led to discovery of potential drug and immune therapies for both humans and large animals."

In the past few years, hundreds of thousands of people have become infected from contaminated drinking water, according to reports from the Center for Disease Control and Prevention in Atlanta. "In addition to being a public health concern for children and people with compromised immune systems, *Cryptosporidium* is among the top five causes of disease in calves," Knipling noted. An animal model Fayer developed to screen drugs and biologicals against *Cryptosporidium* led to discovery of at least one potential drug. The Walter Reed Army Institute of Research in Washington, D.C., is seeking to patent the drug for use against this protozoan.

Earlier in his career, Fayer demonstrated that a common protozoan parasite was the unrecognized cause of abortions, poor milk production, slow growth and death in cattle. Worldwide, nearly 90 percent of cattle are infected with this parasite, *Sarcocystis*. During the 1970's, Fayer found that it retarded growth by triggering overproduction of an immune system messenger, or cytokine. This new concept prompted pharmaceutical companies to investigate anti-cytokine drugs and antibodies as a way to prevent or reduce growth retardation in general. For this work, Fayer received the prestigious Henry Baldwin Ward Medal from the American Society of Parasitologists in 1978.

His research has resulted in more than 200 publications, including 192 journal articles, four books, 12 book chapters, one movie and one video. The video details how to prevent the waterborne spread of Cryptosporidiosis. More than 1,110 copies have been distributed worldwide to public health officials, universities, water authorities and environmental groups.

In 1992, Fayer cofounded the Federation of Societies for Parasitology and served as its first co-chair. He served as president of the Helminthological Society of Washington in 1978 and of the American Association of Veterinary Parasitologists in 1992-93. He is currently vice-president of the American Association of Parasitologists. *Submitted by Agricultural Research Service Information Staff, USDA.* ð

Nominations for the Clark P. Read Award Committee

Dr. Katherine Prestwood would like nominations for recipients of the Clark P. Read Award. Nominees should meet the following requirements: (1) Given to a new investigator who has, within the last two years, been awarded a Masters or Doctoral degree in the area of Parasitology. Selection will be based upon the body

of research accomplished during the candidate's graduate studies. This "body of research" will be documented through (a) peer-reviewed journal or book publications directly related to research conducted in pursuit of and contained in the accepted graduate student thesis or dissertation, (b) other peer-reviewed journal publications unrelated to the primary thesis or dissertation work, but derived from research conducted as a graduate student, (c) papers and/or posters presented at scientific meetings as a graduate student, (d) any outside recognition of research excellence which may include, but not restricted to, best student paper awards, dissertation improvement grants, student-initiated research grant support and the like. (2) Nominations must be made within two years following awarding of the Masters or Doctoral degree, and the nominee must be a member of ASP at the time the award is made. (3) Required documentation for award consideration should include: (a) Nominating letter by the student's graduate advisor critically evaluating the quality and significance of the student's research. Note: the advisor must be a member of ASP at the time of nomination. (b) Two letters of support from noted authorities outside of the nominee's institution commenting on the significance of the body of research accomplishments.

The advisor will submit the name of one evaluator and the second will be chosen by the Awards Committee. (c) The Nominee will provide the following documentation: i) letter providing a self-evaluation of research accomplishments; ii) thesis/dissertation abstract (two page limit); iii) curriculum vitae; and iv) reprints or copies of all research publications (published or in press). Send, or arrange to have sent, all nomination materials to the Secretary-Treasurer by December 1, 1997. That address is George Cain, ASP Secretary-Treasurer Department of Biological Sciences, University of Iowa, Iowa City, IA 52242. You can address questions to the secretary-treasurer's office by responding to this Email, or you can reach Katherine Prestwood at aprestwo@calc.vet.uga.edu. Please respond to the following addresses. Administrative Assistant to George Cain, Secretary-Treasurer of the American Society of Parasitologists e-mail parasite@biology-afs.biology.uiowa.edu. Snail mail: Tim Walker, Department of Biological Sciences, The University of Iowa, Iowa City, IA 52242, phone (319) 335-1329 office; (319) 335-1069 fax. If you nominate somebody, please note that you are also responsible for seeing that we receive the CV and other supporting letters. *Submitted by Tim Walker.*

Clinical News

New Leadership at the National Veterinary Services Laboratory (NVSL)

Recently, the senior positions at NVSL have been filled. Dr. Art Davis was selected to be Chief of the Pathobiology Laboratory. Dr. Beverly Schmitt was selected as Chief of the Diagnostic Virology Laboratory, Dr. Lee Ann Thomas as the Chief of the Foreign Animal Disease Diagnostic Laboratory, and Mr. Greg Beachy as General Engineer. NVSL is delighted to have these new people as part of the NVSL management team and anticipate that they will bring exciting new ideas to these positions.

The Scientific Services Laboratory (SSL) will no longer be a separate laboratory at the NVSL. Dr. Stephen Scott, former Chief, has relocated to Englewood, Colorado, to be the Assistant Regional Director of the Western Region. The four sections that make up the SSL have been incorporated into other laboratories of the NVSL. The Biological Materials Processing Section is now part of Program and Administrative Services, the Information Services Team reports to Engineering and Facilities Management, Technical Support became part of the Diagnostic Bacteriology Laboratory, and the Animal Resources Section is part of the Pathobiology Laboratory.

The NVSLs consist of a collection of facilities in Ames, Iowa, and Plum Island, New York that make up the only U.S. Federal laboratory engaged in the diagnosis of animal diseases and the evaluation of veterinary biological products administered under the Animal Plant Health Inspection Services (APHIS), United States Department of Agriculture (USDA). The veterinary laboratories provides support and technical assistance for a wide variety of national

animal health programs in fulfilling its mission of protecting the health of animals and contributing to public health by providing timely, accurate, and reliable laboratory support to customers. *Submitted by Jim Pearson, Director NVSL.*

Committee News

Federation of Societies for Parasitology - 1997

The annual meeting of the Federation of Societies for Parasitology (FSP) was held in conjunction with the joint meeting of the Helminthological Society of Washington and the New Jersey Society of Parasitologists meeting in Kennett Square, PA at New Bolton Center, University of Pennsylvania on May 2, 1997. The member societies are: AAVP, The American Heartworm Society, The American Society of Parasitologists, The American Society of Tropical Medicine and Hygiene, The Canadian Society of Zoologists, The Entomological Society of America, The Helminthologial Society of Washington, The Society of Nematologists, The Society of Protozoologists, The Society of Vector Ecologists and The Wildlife Disease Association. There was some discussion on trying to get the Presidents of the affiliate societies more involved in addition to the designated representative. This year the Entomological Society of America became a full member and the Wildlife Disease Association dropped their membership.

This year the FSP will host a meeting in which editors of society journals and newsletters can meet to discuss issues of mutual benefit and interest, e.g. electronic media.

A major issue is still the implementation of the Public Affairs Advocacy Network in each of the affiliate societies. Initially much of the network communication was conducted by FAX. This was labor intensive and slow. Now virtually all communication is by e-mail. The ASTMH Political Awareness Network (PAN) constitutes the backbone of the current system. They have a subscription to Washington FAX, which provides current information on the political side. Mike Kemp acts as a filter and passes on those items of interest to ASP (Larry Roberts) and AAVP where a second filtering takes place.

The FSP will be developing a Web site. It was felt that this has merit as not all affiliate societies have their own sites and the Federation would be able to keep its own directory at this site. A major advantage would be that it would be easier to keep the directory updated. The site would include links to all affiliates and other major parasitology web sites, a parasitology calendar and a journal list.

Another area of considerable interest at the meeting was educational activities. The ASTMH is developing modules for grades K-12, that integrate parasitology with history, geography etc. At their annual meeting they host a meeting to which local high school teachers have been invited and there are presentations on areas that are of use in teaching science to students. Similarly ASP had a symposium this year involving the use of parasitism to teach K-12 biology.

A proposal was put forth that AAVP consider a program at next years meeting in Baltimore at which we would host a half-day symposium on aspects of veterinary parasitism that would be of interest and use to high school science teachers; **OR** that the AAVP develop a plan for a half-day symposium on veterinary parasites that would be useful in a high school science program. This would be presented at next years Board meeting and implemented for the meeting in New Orleans in 1999.

The AAVP is establishing a Political Awareness Network (AAVP-PAN). The goal is to keep a group of individuals informed about issues of importance to parasitology and science in general. This information is provided from the Federation to a contact person within each affiliate society. This information will then be distributed to individuals who are chairs of a region, and the regional chairs, in turn, send the information to individuals within their region. The idea is to create a contact list of individuals who are willing to contact their legislators or other individuals involved in the decision making process on issues,

such as specific legislation that may be important to parasitology and/or science in general. These individuals may also choose to share these issues with colleagues or a contact list of their own.

The AAVP-PAN is in the final stage of development. An e-mail distribution system will be used primarily because of the ease and speed of disseminating information. The U.S. has been divided into five (5) regions and a chair or co-chair identified for each region: Northwest, Colin Johnstone; Southeast, Charles Courtney; Central, Jim Miller; East Central, Anne Zajac; West, Gerald Hackett. These individuals have been asked to recruit additional members in their region. When I receive an alert, I will forward information to the regional chairs and they, in turn, will send it along to all members in their region. We hope that the regional chairs will recruit members at this meeting of the AAVP and in the future. *Submitted by Bert Stromberg.*

AAVP Awards Committee Report - 1997

The awards committee selected the following individuals for awards which were presented at this years AAVP meeting.

Student Travel Grants: Marie Alejandra Baudena-Louisiana State University (Tom Klei/Bonner Stewart); Brenda Ralston Chalmers-University of Calgary (M.E. Olson); Gloria Faulk-University of Saskatchewan (Alvan Gajadhar) [Recipient 2 consecutive years]; Renee Gambroa-University of Illinois (Al Paul/Joe DiPietro); Ryan O'Handley-University of Calgary (M.E. Olson); Sarah Parker-University of Saskatchewan (John Campbell); Maria T. Pena-Louisiana State University (Jim Miller).

Hoechsst-Roussel Veterinary Graduate Student Award: Carla Siefker - Mississippi State University (Nominated by L. Rickard Ballweber)

AAVP Distinguished Parasitologist Award (sponsored by Pfizer): Dr. Owen Slocombe, University of Guelph, Ontario Veterinary College, Guelph, Ontario, CANADA.

Distinguished Service Award: Dr. H.R. Ciordia, Entomology Department, Cattle Parasites Research Lab, Georgia Experiment Station, Griffin, Georgia, USA.

Highlights of the Awards Process: The late mailing of the February issue of the AAVP Newsletter and the published deadline in the Newsletter for receipt of nominations was of some concern; however, for the most part there were a sufficient number of nominations for each of the Awards. There were 7 recipients of the student travel award; this is 2 more than the 5 we had in 1996. We had one student to receive a travel grant for a second consecutive year. The Distinguished Service Award was given; the last recipient was Bud Folz in 1994. The recipient of the 1997 Graduate Student Award (Carla Siefker) was nominated by the first recipient of this award 10 years ago (Lora Rickard Ballweber; 1987). *Submitted by Daniel E. Snyder, 1997 Chair, AAVP Awards Committee; Committee Members Bob Arthur, Steve Barr, Jim Miller, Craig Reinemeyer, Terry Skogerboe, Ann Zajac.*

Education Committee Report - 1997

The primary item on the education committee's agenda is still the Report on Teaching Veterinary Parasitology, which actually began back in 1990. A cover letter and the complete report will be sent to all of the Deans of Veterinary Colleges in North America and one individual involved in the parasitology teaching program. The report is intended to emphasize the importance of teaching veterinary parasitology in the veterinary curricula as well as to provide guidance in designing and teaching veterinary parasitology. The packet of information will include the learning objectives, economic importance summary, questions from past National Board Examinations and principle discussion topics. These topics include: What is it; How does an animal get it; What harm does it cause; How does a veterinarian prevent or treat it.

The other challenging area that continued from last year was the question of how the AAVP should address information exchange and how the AAVP should utilize the electronic superhighway.

We are now on-line with our homepage at: http://www.vetmed.ufl.edu/users/ aavp, thanks to Dr. Charles Courtney. Other suggestions included having an on-line membership directory, reference lists, teaching materials (lecture notes), an electronic journal, and a list serve to allow interested individuals to ask questions and have multiple responses.

I would like the committee to consider the possibility of our association hosting a symposium for high school science teachers to provide them with interesting information about parasitology that could be included in the courses they teach. *Submitted by Bert Stromberg.* ð

Positions Available

Research Fellow, Immunoparasitology

The Department of Pathobiology, College of Veterinary Medicine, Auburn University invites applications for a non tenure-track faculty position in parasitology. Essential qualifications are a Ph.D. degree in immunology or molecular biology and 5 years of relevant research experience. Highly desirable qualifications include a background in veterinary parasitology and research capabilities supportive of application of contemporary approaches to the study of protozoal parasites. The successful candidate is expected to assist in sustaining a successful extramurally funded research program involving protozoal organisms, particularly *Cryptosporidium* spp. and *Neospora caninum*. Opportunities also exist for participation in teaching, both in the professional curriculum and in graduate education. Anticipated distribution of effort will be 80% research and 20% teaching/ outreach. Salary and rank will be commensurate with qualifications and experience. Review of applications will begin November 1, 1997 and will continue until a candidate is recommended for appointment. Position is available January 1, 1998. Applicants should submit current curriculum vitae and the names, addresses, and telephone numbers of three references to: Dr. Byron L. Blagburn, Department of Pathobiology, Auburn University, AL 36849-5519. Inquires are welcome, phone: 334/844-2702; FAX: 334/844-2652; e-mail: blagbbl@vetmed.auburn.edu.

Auburn University is an affirmative action equal employment opportunity employer and educational institution. Minorities and women are encouraged to apply.

Database Information

Are You a Good Mentor?

A book prepared by the National Academy of Sciences entitled "Advisor, Teacher, Role Model, Friend: On Being a Good Mentor to Students in Science and Engineering" is now available. The complete text can be found at http://www.nap.edu/ readingroom/books/mentor. It can also be purchased at a low price from the National Academy Press. It contains a variety of mentoring tips along with profiles of science students who moved on to alternative careers. A sample form with which to evaluate mentors is also available. ð

Net Technology: Websites of the Month

Here are two websites from ASM News (vol. 63, no.8, p. 44). The Antibody Resource Page: http://antibodyresource.com and the WFCC World Data Centre for Microorganisms: http://wdcm.nig. ac.jp/.

Guide to the Internet

An excellent resource guide was published recently by Elsevier Trends Journals entitled "Guide to the Internet". It may be accessed on line using http://www.elsevier.com/locate/trendsguide.

Publications

Veterinary Parasitology

The Elsevier journal *Veterinary Parasitology* could possibly become available in individual subscription to AAVP members. This is a matter which has been discussed with Elsevier for a number of years. During my now nearly three years as editor of this journal for the Americas and Japan, I have had opportunity to better understand factors underlying cost of individual subscriptions.

First of all, the number of volumes per year has increased the last few years and this raises the cost. Secondly, there is really no way of obtaining a bulk discounted price for even up to 100 subscriptions for an organization such as AAVP.

At this point in time, I would merely like to receive as large a response as possible from the AAVP membership regarding interest in a personal subscription to the journal. The first question obviously is "Would you be interested in a *Veterinary Parasitology* subscription?" The second question has to do with cost and there is no way it can be cheap. "Would you be interested in a personal subscription in the range of $80-100 US?" "Would the range of $100-125 US be considered?"

As indicated, I would appreciate as large a response as possible to resolve this issue of personal subscriptions to AAVP members. Please give me your opinions by mail to: J.C. Williams, Dept. of Veterinary Science, Louisiana State University, 111 Dalrymple Bldg., Baton Rouge, LA 70803-6002 or by tel.-(504) 388-6279, fax-(504) 388-0400, or by e-mail-jwilli3@LSUVM.SNCC.LSU.EDU. Also, please identify yourself as to affiliation and all means of communication. Your assistance is appreciated. *Submitted by J.C. Williams*.

AAVP - American Association of Veterinary Parasitologists, Special Issue - Ostertagia Workshop 1996, Veterinary Parasitology (Elsevier)

A special issue of *Veterinary Parasitology* which contains all primary presentations, complete transcription of all discussion sessions, general panel discussion, and workshop summation of the *Ostertagia* Workshop held at the University of Maryland during March 5-8, 1996 will be available in November or December. Arrangements have been made for a limited number (100-125) of copies of this special issue to be available for sale at $30.00 US or less. Our first responsibility is to offer the issue for sale to the 90+ invited and general participants at the workshop. Remaining copies will then be offered for general sale. For more information, contact J.C. Williams, Department of Veterinary Science, Louisiana State University, 111 Dalrymple Bldg., Baton Rouge, LA 70803-6002 (Tel. 504/388-6279; Fax 504/388-0400) or Tom Kennedy, Sec.-Tres., AAVP, c/o Bayer Animal Health, PO Box 390, Shawnee Mission, KS 66301 (Tel. 913/962-2890; Fax 913/268-2541).

Contents: Preface: Systematics of gastrointestinal nematodes of domestic ruminants: advances 1992-1995 and proposals for future research, J.R. Lichtenfels, E.P. Hoberg and D.S. Zarlenga (Beltsville, MD, USA). **Discussion:** Environmental factors influencing transmission, B.E. Stromberg (St. Paul, MN, USA). **Discussion:** Some aspects of inhibited development of trichostrongylids in ruminants, M. Eysker (Utrecht, Netherlands). **Discussion:** Pathophysiology of infection with gastrointestinal nematodes in domestic ruminants: recent developments, M.T. Fox (London, UK). **Discussion:** Immunity development against *Ostertagia ostertagi* and other gastrointestinal nematodes in cattle, J. Vercruysse and E. Claerebout (Merelbeke, Belgium). **Discussion:** Effect of gastrointestinal nematode infection on the ruminant immune system, L.C. Gasbarre (Beltsville, MD, USA). **Discussion:** The use of genetically resistant sheep to control nematode parasitism, G.D. Gray (Armidale, N.S.W., Australia). **Discussion:** Modifying the formulation or delivery mechanisms to increase the activity of anthelmintic compounds, D.R. Hennessy (Sydney, N.S.W., Australia). **Discussion:** Anthelminthic resistance, P.J. Waller (Armidale, N.S.W., Australia). **Discussion:** Ecotoxicology and residues of anthelmintics, Q.A. McKeller (Glasgow, UK). **Discussion:** The economics of parasite control: Obstacles to creating reliable models, G. Smith (Kennett Square, PA, USA). **Discussion:** Economics of gastrointestinal parasitism of cattle, R.M. Corwin (Columbia, MO, USA). **Discussion:** Anthelminthic treatment strategies: current status and future, J.W. Williams (Baton Rouge, LA, USA). **Discussion:** Biological control of gastrointestinal

nematodes - facts, future, or fiction?, M. Larsen, P. Nansen, J. Gronvold, J. Wolstrup, and S.A. Henriksen (Copenhagen, Denmark). **Discussion:** Control by management, I. Barger (Armidale, N.S.W. Australia). **Discussion:** Immunological control of ruminant gastrointestinal nematode infections, T.R. Klei (Baton Rouge, LA, USA). **Discussion:** General Workshop Panel. **Discussion:** Summation and recommendations, J. Armour (Glasgow, UK). Author, Index. *Submitted by J. C. Williams.*

Future Meetings

2nd International Conference on Novel Approaches to the Control of Helminth Parasites of Livestock

Location: Louisiana State University, Baton Rouge, Louisiana USA. **Dates of Meeting**: March 22-26, 1998.

Program: **Sunday, March 22** - Registration (13:00-18:00); Reception (19:00-22:00). **Monday, March 23**-Registration (7:30-16:00); Morning, Welcome (08:00-08:30), Chancellor William Jenkins (Louisiana State Univ.), Chancellor William Richardson (Louisiana State Univ. Agricultural Center); **Session 1** (8:30-10:00) Leo LeJambre (CSIRO, Australia); Introduction - Leo LeJambre; Sustainable Agriculture (International Perspectives) - William Wagner (USDA, USA), Jorgen Hansen (FAO, Italy), T. Shillhorn van Veen (World Bank, USA); Break (10:00-10:30); **Session 2** (10:30-12:00) Lou Gasbarre (USDA, USA), Immunology/Vaccines: Helminths - David Smith (Moredum Research Institute, Scotland); Ectoparasites - John Pruett (USDA, USA); Lunch (12:00-13:00); Afternoon, **Session 3** (13:00-14:30) Gilles Aumont (INRA, French West Indies); Epidemiology/Grazing management - Bert Stromberg (Univ. of Minnesota, USA), Ian Barger (International consultant, Australia); Break (14:30-15:00); **Session 4** (15:00-17:00) Leyden Baker (ILRI, Kenya); Genetics of Resistance: Helminths - Alan Crawford (AgResearch, New Zealand); Mike Stear (Univ. of Glasgow, Scotland); Ectoparasites - John Frisch (CSIRO, Australia); Evening Crawfish boil/Cajun band (19:00-whenever).

Tuesday, March 24: Registration (8:00-16:00). Morning Breakfast **Poster Session 1** (8:00-09:45); **Session 5** (10:00-11:30) Bob Sobson (CSIRO, Australia), Modeling/Forecasting Epidemiological modeling - Gary Smith (Univ. of Pennsylvania, USA), Bryan Grenfell (Univ. of Cambridge, UK); GIS/forecasting - Jack Malone (Louisiana State Univ., USA); Lunch (11:30-12:30); Afternoon **Session 6** (12:30-14:00) Des Hennessey (CSIRO, Australia); Novel Chemical Targets - Tim Geary (Pharmacia & Upjohn, USA), Mike Witty (Pfizer, UK); **Session 7** (14:00-15:30) Roger Prichard (McGill Univ., Canada); Drug Resistance, Helminths - Nick Sangster (Univ. of Sydney, Australia); Ectoparasites - Lane Foil (Louisiana State Univ., USA), Ron Byford (New Mexico State Univ., USA); Break (15:30-17:00); **Session 8** (16:00-17:30) Terezinha Padilha (EMBRAPA, Brazil); Biological control, Helminths - Michael Larsen (Royal Veterinary & Ag Univ., Denmark), Ectoparasites - Jerry Hogsette (USDA, USA); Evening Banquet/BBQ (19:30-whenever).

Wednesday, March 25 - Morning Breakfast **Poster Session 2** (8:00-9:45); **Session 9** (10:00-12:00) Jimmy Williams (Louisiana State Univ., USA), Integrated control (International experiences) - Peter Waller (Swedish Univ. of Agricultural Sciences, Sweden), Jozef Vercruyssc (Univ. of Gent, Belgium), Rob Rew (Pfizer, USA); Closing (12:00-12:30); Afternoon - Depart or optional activities. New Orleans by bus, canoeing Alligator Bayou, plantation home tour, etc.

Thursday, March 26 - Morning Mini-symposium - Irradiated larval vaccines, Coordinators: Leo LeJambre (CSIRO, Australia), Doug Gray (Univ. of New England, Australia), Speakers: Robbie Bain (KARI, Kenya), Tom Klei (Louisiana State Univ., USA). *Submitted by J.C. Williams.*

ICOPA IX 1998, Makuhari Chiba, Japan

The second announcement and call for papers has been sent for the IXth International Congress of Parasitology to be held August 24 (Monday) - 28

(Friday) 1998 in Makuhari Chiba, Japan. The scientific program will include Plenary Sessions, Symposia, Round Table Discussions, Workshops, Oral Presentations and Poster Sessions. Topics include medical parasitology, veterinary parasitology, parasites in ichthyology, zoonoses, immunology, molecular biology and biochemistry, genetics in the field of parasitology, morphology and ultrastructural studies, new aspects of taxonomy, ecology, epidemiology, vectors and the intermediate hosts, vaccines, new chemotherapeutic agents, parasites in immuno-compromised hosts, parasitic infections as emerging and re-emerging diseases, control of parasitic diseases, TDR targeted diseases, international cooperation in parasite control and international information networks. The Makuhari Exhibition Hall is huge and provides extremely favorable conditions for exhibition of posters which can be displayed for a longer period of time than at most conferences. The official language will be English.

IXth ICOPA news will be continuously sent by the internet homepage. The registration through this system is most welcomed. Homepage address: http://icopa.med.uoeh-u.ac.jp/~welcome. If you have questions please contact: Professor Somei Kojima, Secretary General, IXth International Congress of Parasitology, C/O Department of Parasitology, The Institute of Medical Science, The University of Tokyo, 4-6-1 Shirokanedai, Minato-ku, Tokyo 108, JAPAN.

Future Meetings of the AAVP

1998 - July, Baltimore, Maryland
1999 - July, New Orleans
2000 - Salt Lake City, Utah

AAVP Newsletter : Deadlines for Submissions

Newsletter	Deadline
June, 1997	May 20, 1997
October, 1997	September 20, 1997
February, 1998	January 20, 1998

Please contact the editor with questions regarding these dates.

The American Association of Veterinary Parasitologists

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The American Association of Veterinary Parasitologists Newsletter is published three times each year with issues in February, June and October. Contributions to the Newsletter are welcome and should be submitted by the 15th of the month prior to each date of issue.

Committee on Committees Report, New AAVP Committees for 1997-1998

Committee	1997	1998	1999
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AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS

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