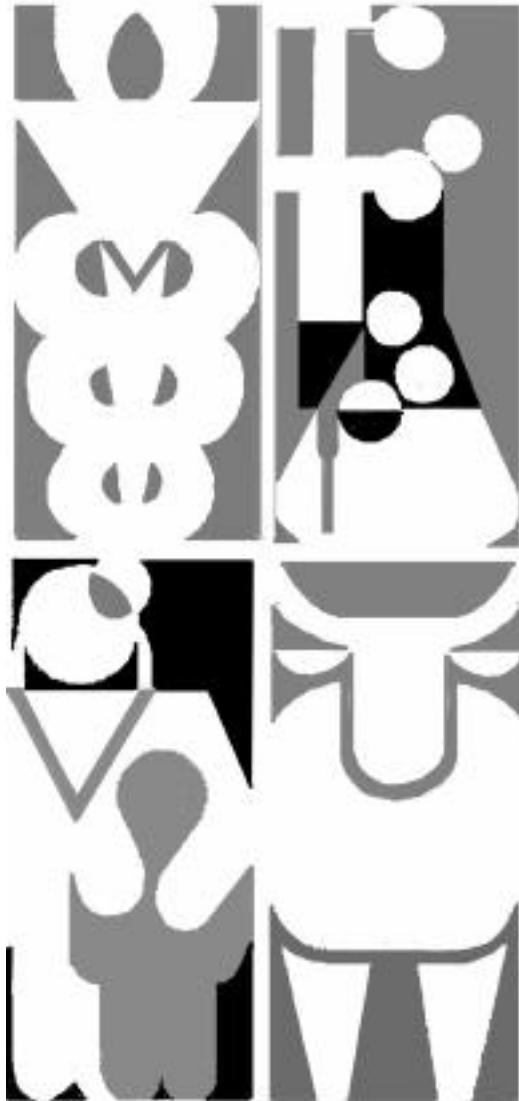


NEWSLETTER



Association of Teachers of Veterinary Public Health and Preventive Medicine

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ATVPHPM is committed to developing and fostering the academic base for veterinary public health and preventive medicine

Visit the ATVPHPM Web site at...

<http://www.cvm.uiuc.edu/atvphpm/>

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Important: Please take a moment to look at your mailing label on the envelope. The number (e.g. 98) in the lower right corner of the mailing label is the last year for which a dues payment has been recorded. Membership dues are \$20 US annually and are payable on January 1 of each year. If, for example, your dues payment year is indicated to be 97, then to become current you should remit two years dues or \$40. The ATVPHPM Constitution and By-Laws require that members two years in arrears in payment of dues shall be dropped from membership (Article VIII)

ASSOCIATION NEWS

ATVPHPM-Sponsored Courses

From: "M.D. Salman" <m.d.salman@colostate.edu>

We have just completed a two week course in Basic Veterinary Epidemiology and Risk Analysis for 31 government veterinarians from South and Central America. There were representatives from 18 countries and international agencies. The course was co-sponsored by ATVPHPM and APHIS (VS and IS).

The ATVPHPM has agreed to sponsor another training course in basic veterinary epidemiology and economics for newly hired veterinarians for APHIS:VS. The course will be offered in May 2002. The ATVPHPM may offer another similar session to the newly hired veterinarians for the port of entry for APHIS. No date was established for this session.

How to Contact ATVPHPM

Applications for membership, accompanied by a check for \$20 payable to the ATVPHPM, should be sent to:

Dr. James Thorne, Secretary/Treasurer, ATVPHPM
3310 Cheavens Rd
Columbia, MO 65201-9383

Phone: 573/443-0157
FAX: 573/884-5050
E-mail: thornej@missouri.edu

Membership application forms are available online at:

<http://www.cvm.uiuc.edu/atvphpm/>

Newsletter items can be sent to:

Dr. Ronald D. Smith, Newsletter Editor, ATVPHPM UI
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Current and past issues of the ATVPHPM Newsletter are also available online at:

<http://www.cvm.uiuc.edu/atvphpm/>

CORRESPONDENCE

Electronic Conference on Veterinary Public Health in Developing Countries

FAO has asked me to organize an electronic conference on Prevention of Zoonotic Diseases with special reference to the structure and functions of Veterinary Public Health (VPH) in developing Countries. This will be a follow-up to a WHO sponsored meeting in Teramo, Italy in 1999 which reviewed and made recommendations for improved delivery of VPH. While a date has not been set for this conference yet, if you or colleagues in developing countries would like further

details or to be notified of starting date please contact me directly.

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PRODUCTS & REVIEWS

VassarStats – Free Online Statistical Package and Textbook

<http://faculty.vassar.edu/~lowry/VassarStats.html>

Easy-to-use statistical package featuring common statistical routines such as linear regression, one-way and two-way analysis of variance, Mann-Whitney, chi square, and *t* tests. Users can type in numbers or import data from a spreadsheet. The site also features simulations and demonstrations to teach statistical principles. Includes a 17-chapter Web textbook.

New Food Safety Music CD Released

September 5, 2001

I am pleased to announce the release of my latest food safety music CD "Still Stayin' Alive: A Take Out Menu of Musical Hits." This CD contains parodies of popular songs with the lyrics modified to humorously educate about contemporary food safety issues. It includes 17 songs that represent a variety of musical styles (pop, rock, oldies, Latin, rap, country, disco, Spanish) and is nearly one hour in length. Topics include food safety microbiology, biotechnology, pesticides, regulation, and nutrition. This CD supersedes my two prior CDs "Stayin' Alive" and "Sanitized for Your Consumption" for which nearly ten thousand copies have been distributed throughout the world. A few copies of the prior CDs are still available.

Here are the selections on the newest CD, followed by the song they parody:

- Stomachache Tonight (Eagles, "Heartache Tonight")
- Beware La Vaca Loca (Ricky Martin, "Livin' La Vida Loca")

- Stayin' Alive (BeeGees, "Stayin' Alive")
- Still Seems Like Food to Me (Billy Joel, "Still Rock and Roll to Me")
- You'd Better Wash Your Hands (Beatles, "I Wanna Hold Your Hand")
- U.S.D.A. (Village People, "YMCA")
- Mantenga Bien La Comida (Ritchie Valens, "La Bamba")
- We are the Microbes (Queen, "We are the Champions")
- I Sprayed It on the Grapevine (Marvin Gaye, "I Heard It Through the Grapevine")
- Don't Get Sick Wit It (Will Smith, "Gettin' Jiggy Wit It")
- Clonin' DNA (Beach Boys, "Surfin' USA")
- Food Irradiation (Little Eva, "Do the Locomotion")
- Rat Number 49 (Clovers, "Love Potion Number Nine")
- Frank N. Foode (Chuck Berry, "Johnny B. Goode")
- Don't Be a Gambler (Kenny Rogers, "The Gambler")
- Eat It (Michael Jackson, "Beat It")
- Political Hay (Carl Winter, original)

Information about ordering the CD is provided at the Food Safety Music website at

<http://foodsafe.ucdavis.edu/music.html>

Also available on the website are streaming audio files that can be heard using RealPlayer software, lyrics, video clips, my performance schedule, and reviews. PowerPoint slide shows containing lyrics and clip art for individual songs can also be downloaded from the website and provide effective visual complements to the music for presentations and training sessions. I hope you enjoy the music!
Regards, Carl Winter

INTERNET RESOURCES

USDA Launches New Information-Based Web Site on Food Safety Research Programs

July 2, 2001

The U.S. Department of Agriculture
<http://www.nal.usda.gov/fsrio>

WASHINGTON, - The U.S. Department of Agriculture today launched a new Web site (<http://www.nal.usda.gov/fsrio>) aimed at providing a database of food safety research projects to the research community and the general public. The Web site provides detailed information on food safety research projects, spending, and accomplishments by U.S. Federal agencies, along with links to other important

food safety research information. "This Web site is a tool that researchers and policy makers can use to examine research needs and priorities in food safety," said Agriculture Secretary Ann M. Veneman. "The goal is to measure the progress of our food safety research and continue efforts to educate the public about these important issues."

The searchable database provides information on nearly 500 food safety research projects dating from 1998 to the present including research done or funded by: USDA Agricultural Research Service; USDA Cooperative State Research, Education, and Extension Service; the Food Safety Consortium (researchers from the University of Arkansas, Iowa State University, and Kansas State University); and the U.S. Department of Health and Human Services' Food and Drug Administration. Also

on the Web site are: program and planning information, as well as various food safety reports, food safety news and information, and more than 100 links to Web-based food safety research information provided by U.S. and foreign governments, and educational and professional organizations.

The new Web site was created by the Food Safety Research Information Office at USDA's National Agricultural Library with information from related government food safety agencies. The National Agricultural Library, part of the Agricultural Research Service, is the world's largest and most accessible agricultural research library, and the principal resource in the United States for information about food, agriculture, and natural resources.

NEWS & COMMENTARY

Update on FARAD's Status

In view of your interest in the Food Animal Residue Avoidance Database (FARAD) I am writing to update you on its operational status. As you may know last year FARAD underwent a lapse of funding and was rescued by a line item in the Federal Budget that was added during the conference on appropriations. Even this last minute rescue was not enough to halt the departure of some of our specialist staff which severely limited our ability to function. Fortunately FARAD's value to the animal health industry and human health has been recognized and there has been a concerted effort to place full funding of FARAD back into the Federal budget. The House of Representatives has adopted a million dollars appropriation and we now wait to see if a similar appropriation is adopted by the Senate as well. If this all happens we hope to begin re-building FARAD to its previous level of service and research.

If you feel strongly that America needs to retain the ability to prevent and mitigate drug, pesticide and environmental chemical residues in food of animal origin you might want to let your Congressional Delegation know of your feelings. Their addresses can be found in your local area phone book or at the following web address <http://congress.org> (provides a zip code match to your Members of Congress). If you want to contact the Secretary of Agriculture [Honorable Ann Veneman] to let her know of your support for FARAD, letters can be sent to: The Honorable Ann Veneman, Secretary of Agriculture, Room 200 Jamie L. Whitten Building, 1400 Independence Ave., S.W., Washington, D.C. 20250.

The House of Representatives through the Appropriations Subcommittee on Agriculture, Rural Development, Food and Drug Administration and Related Agencies has indicated their support for an allocation of one million dollars for the FARAD program in FY2002. We need to have the Senate allocate a similar appropriation, thereby concurring with the House of Representatives, if we are to succeed in obtaining full funding for FARAD. Your support of the FARAD program is sincerely appreciated.

Alistair Webb
FARAD Director at Florida
College of Veterinary Medicine
University of Florida
Gainesville, FL 32610-0144
(352) 392 4700 X3828

USDA Issues Guidelines, Policies on Animal and Plant Disease Threats

The U.S. Department of Agriculture recently issued a statement on its policy on foreign animal and plant diseases, with special reference to Foot and Mouth Disease (FMD). Released by JAMES R. LITTLE, Chair, National Food and Agriculture Council (NFAC), the statement was drafted with input from all USDA agencies and represents the official departmental view on this issue.

The statement requests that USDA employees and its cooperating partners follow some basic guidelines, including:

- becoming educated on the basics of FMD by visiting the Animal and Plant Health Inspection Service (APHIS) website at <http://www.aphis.usda.gov>;
- assisting federal and state agencies in distributing newsletters, press releases, and other media advisories to assure producers and the general public of USDA's proactive stance against FMD;
- avoiding visits to livestock areas whenever possible, or getting prior permission to visit a producer's property;
- following recommended APHIS or other veterinary guidelines;
- immediately reporting signs of a possible animal or plant disease;
- displaying fact sheets and information in field offices; and
- following USDA emergency procedures on the APHIS website in the event of an FMD outbreak.

Land-grant partners are urged to share electronic educational materials on FMD and other biosecurity issues with CSREES National Program Leaders WILLIAM WAGNER (e-mail: wwagner@reeusda.gov) or DAVID MORRIS (dmorris@reeusda.gov), who will disperse them throughout the land-grant system as appropriate.

New Science Program Teaching Mid-, High-School Students about Food Safety

September 13, 2001
<http://www.meatingplace.com>
 Bryan Salvage

For years now, meat-industry leaders have been stressing the need to educate the general public about food safety - meat handling, storage and preparation, specifically. When asked who should be responsible for this effort, the response has always been that everyone in the food chain should share this responsibility, given the high rate of food-borne illnesses and deaths from food-borne illnesses suffered in this country each year. In response to this public health concern, the Food and Drug Administration and the National Science Teachers Association have teamed up to create a first-of-its-kind program that uses science to teach students about food safety. Titled Science and Our Food Supply, it is reportedly the largest public education program that informs middle-level and high-school students about all aspects of food safety, from farm to table, according to a news release.

A press conference is slated for today at the National Press Club in Washington, D.C., in which representatives from the FDA and NSTA will brief reporters about the program and answer questions. Teachers and students will also demonstrate hands-on activities from the program, showcasing how pasteurization and refrigeration can make foods safe to eat and how easily bacteria can spread.

MEETINGS, WORKSHOPS & COURSES

See the ATVPHPM Web site at <http://www.cvm.uiuc.edu/atvphpm/> for the most current listings.

CRWAD 2001 Meeting

November 11-13, 2001
 St. Louis, MO

The 2001 CRWAD Call for Abstracts information is available on our CRWAD web site at:

<http://www.cvmbs.colostate.edu/microbiology/crwad/crwad.htm>

The meeting pre-registration form, hotel room reservation information, and travel information are available on our web site. We look forward to your participation at our 2001 CRWAD Meeting to be held at the Millennium Hotel St. Louis (formerly the Regal Riverfront Hotel), St. Louis, Missouri, Nov. 11-13.

If you have any questions, concerns, or comments, please contact me at the phone number or addresses

listed below. Also, please note that my e-mail address has changed. The new, correct e-mail address is listed below.

Sincerely, Robert P. Ellis, CRWAD Executive Director
 <Robert.Ellis@colostate.edu>

ATVPHPM Graduate Education Workshop

Sunday, November 11, 2001; 1-4 p.m. (preceding 2001 CRWAD)
 Millennium Hotel, St. Louis, Missouri

The goal of this workshop is to stimulate participants' thinking and promote discussion on veterinary epidemiology graduate education in a way that will allow educators to benefit from one another's positive and negative experiences. Two invited speakers each will address educating non-veterinarians in veterinary

epidemiology, thesis versus non-thesis veterinary epidemiology graduate programs, and international veterinary epidemiology graduate education. Following the six presentations, a panel discussion between the audience and speakers will occur. A \$20 registration fee is payable at the door.

For more information, you may contact Daniel Scholl, Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA. 70803.

Tel.: 225-578-9653; fax: 225-578-9655;
e-mail: echdts@lsu.edu.

International Conference on Emerging Infectious Diseases

March, 2002

<http://www.cdc.gov/iceid/index.htm>

Conference Description 2,500 public health professionals will meet in March 2002 for the International Conference on Emerging Infectious Diseases. The conference brings together public health professionals to encourage the exchange of scientific and public health information on global emerging infectious disease issues. The program will include plenary sessions and symposia with invited speakers, presentations on emerging infections, and oral poster presentations. Major topics include current work on surveillance, epidemiology, research, communication and training, bioterrorism, and prevention and control of emerging infectious diseases, both in the United States and abroad.

Masters Study in Veterinary Epidemiology - Massey University

2002

Massey University, New Zealand

Next year (2002), the EpiCentre at Massey University, New Zealand (<http://epicentre.massey.ac.nz>) is delivering two papers as part of the modular Masters program in epidemiology (the MVS program). Papers are delivered in intensive 3 week blocks during Feb, June and November of each year and are well suited to either part time students who return to work in the between block periods, or to full time students who can get on with research projects between blocks. Many New Zealand and international students have taken advantage of this program.

A full time Masters degree can be achieved in 2 years in this program.

The two papers on offer in 2002 are:

1. Analysis and interpretation of animal health data: learn to analyse data. Our most popular paper.
2. Animal Health Management: totally redesigned for the coming year and includes animal disease control programs, risk assessment, quality assurance. Incorporates hands on learning in use of customised software including EpiMAN and HandiRISK.

Details of the program and paper content are available on the web site. Please contact the EpiCentre for further information.

Nigel Perkins, BVSc, MS, Dip ACT, FACVSc Senior Lecturer, Veterinary Epidemiology EpiCentre, Massey University
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<http://epicentre.massey.ac.nz>

SUGGESTED READING

WHO/OIE Manual on Echinococcosis in Humans and Animals: a Public Health Problem of Global Concern

J. Eckert, M.A. Gemmel, F.-X. Meslin & Z.S. Pawlowski (eds)

Echinococcosis in humans is a complex of parasitic diseases, caused by larval stages of four species of the cestode genus *Echinococcus*, which are perpetuated in life-cycles, involving domestic and wild carnivores as definitive hosts and a wide range of mammals (livestock animals, rodents, etc.) as intermediate hosts.

Echinococcosis is not only one of the most devastating parasitic diseases of humans, but is also very difficult and costly to treat, control and prevent.

Cystic echinococcosis, caused by *Echinococcus granulosus*, remains a considerable public health problem in many countries of the world, and there are indications of an increasing significance of this form of echinococcosis in several regions. Disease transmission has been reduced to very low levels or interrupted by control measures in some limited areas only, especially on islands. In continental situations, however, control of

E. granulosus is more difficult, often less effective, is costly and requires sustained efforts over many decades.

Human alveolar echinococcosis, which occurs in countries of the northern hemisphere, is lethal in most untreated patients. Treatment by surgery and chemotherapy is possible, but is very costly and rarely offers a cure. Recent studies in Europe, Asia (i.e. People's Republic of China and Japan) and North America have revealed that the causative parasite, Echinococcus multilocularis, has a much wider geographic distribution in carnivores (predominantly foxes) than previously known. Growing fox populations, the increasing invasion of urban areas by foxes and other factors, may represent new public health hazards. Therefore, the development and implementation of effective methods of control and prevention are required urgently.

Human polycystic echinococcosis occurs in countries of Central and South America and is caused by Echinococcus vogeli and E. oligarthrus.

Since the publication of the WHO Guidelines for Surveillance, Prevention and Control of Echinococcosis/Hydatidosis in 1984, the understanding of the epidemiology of echinococcosis has improved greatly, new techniques for diagnosing the infection, both in humans and animals, are available, progress has been achieved in the treatment of human echinococcosis and new prevention strategies have emerged with the development of a vaccine against Echinococcus granulosus in intermediate hosts.

Therefore, the World Health Organization in close collaboration with the World Organisation for Animal Health (OIE) considered it opportune to publish a Manual on Echinococcosis in Humans and Animals. This Manual is not intended to replace any of the textbooks on echinococcosis, but rather aims to provide background information, including practical aspects, on the diagnosis and treatment of echinococcosis in humans and animals, as well as on the geographic distribution, control and prevention of the disease. Over 50 international experts have contributed to the preparation of this book.

ISBN 92-9044-522-X

265 pp

Price: 40 Euros (postage included)

Format: 21 x 29.7 cm

Ref.: A/103

World organisation for animal health (OIE: Office International des Epizooties) 12, rue de Prony
75017 PARIS, France
<http://www.oie.int>
email: pub.sales@oie.int

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Aetiology: parasites and life-cycles
Annex: Principles of molecular techniques for the identification of Echinococcus species and strains

Echinococcosis in humans: clinical aspects, diagnosis and treatment Annex : Determination of performance characteristics for immunodiagnostic assays Annex.: Characteristics of benzimidazoles

Echinococcosis in animals: clinical aspects, diagnosis and treatment

Geographic distribution and prevalence

Epidemiology
Quantitative epidemiology and transmission dynamics with special reference to Echinococcus granulosus
Epidemiology of Echinococcus granulosus in transhumant situations
Epidemiology of Echinococcus multilocularis, Echinococcus vogeli and Echinococcus oligarthrus Annex : Epidemiological approaches in the study of the Echinococcus multilocularis infection in foxes
Annex : Sampling of rodents for epidemiological studies on Echinococcus multilocularis
Annex : Age determination in foxes

Control of echinococcosis
Control of Echinococcus granulosus (including public health education and socio-economic impact)
Annex : Evolution of programmes for control of Echinococcus granulosus (examples)

Control of Echinococcus multilocularis
Prevention of echinococcosis in humans and safety precautions
Safety precautions and disinfection
Prevention of cystic and alveolar echinococcosis in humans

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http://www.oie.int/eng/publicat/ouvrages/A_103.htm
<https://www.oie.int/securise/bdc.htm>

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Epidemiology Section - International Journal of Parasitology

From: Ian Gardner <iagardner@ucdavis.edu>

For those of you who are doing epidemiologic studies of
parasitic infections, please note that the International
Journal of Parasitology

<http://www.elsevier.com/locate/ijpara>

now has a specialist epidemiology section. Matthias
Greiner and I are currently the guest editors for this
section.

The International Journal for Parasitology has recently
made some significant improvements that you may not
be aware of and that will increase service and should be
attractive to everyone in the field of veterinary
epidemiology:

1. electronic submission is now optional - reducing
publication time by several weeks
2. proofs are mailed as PDF's - again saving valuable
time.
3. articles are now available online weeks before
publication in print, through:
 - ScienceDirect (generating already over 4,000 article
downloads to the journal per month)
 - PubMed, BioMedNet and CrossRef
<<http://www.crossref.org>> and
 - Parasitology Online - <<http://www.parasitology-online.com>> - with more than 40,000 hits per month,
now offering free trial access to complete full text.

The high impact factor, easy submission procedure and
good online visibility for this journal make this journal
very suitable for your next epidemiology paper dealing
with parasites.

Journal of Molecular Epidemiology and Evolutionary Genetics in Infectious Diseases (MEEGID)

The editors of the new journal Infection, Genetics and
Evolution - the Journal of Molecular Epidemiology and
Evolutionary Genetics in Infectious Diseases (MEEGID)
are pleased to inform you that the first issue has now
been published and can be freely accessed online.

The genetics of hosts, pathogens and vectors have tended
to develop as three separate fields of research. This
artificial compartmentalisation is of concern due to our
growing appreciation of the strong co-evolutionary
interactions among hosts, pathogens and vectors.

Infection, Genetics and Evolution aims to be the forum
for this new exciting and badly needed discipline.

Further information on the new journal is available at
<http://cepm.mpl.ird.fr>. If you click on the journal title,
you can register for free online access (first four issues
will be free; second year will be decided later). For
information on the next MEEGID meeting, the new
society or the society journal, please email
Michel.Tibayrenc@mpl.ird.fr.

Traceability of Animals and Animal Products

Co-ordinators: H.A. MacDaniel and M.K. Sheridan

Scientific and Technical Review, Vol. 20 (2), August
2001

Over the past few years, traceability systems used to
identify animals, monitor their movements and trace
animal products have evolved considerably. It has
become crucial to harmonise approved systems that may
serve to enhance coherence between trading partners, so
as to provide better guarantees and to facilitate
international trade in animals and animal products.

Recent events in Europe, such as the bovine spongiform
encephalopathy or foot and mouth disease crises, caused
major disruptions to trade and emphasised the need to
improve traceability techniques for live animals and
animal products, especially in the framework of
international trade. Within the European Union, such
improvements have become legal requirements.
However, few studies have been devoted to methods and
technologies used throughout the world at each stage in
the food production chain, or to their diversity.

This issue of the OIE Scientific and Technical Review
aims at remedying this gap in the literature and is
designed to contribute to the development of harmonised
procedures for the traceability of animals and animal
products. The authors examine traceability requirements
for animal health, public health, international trade and
certification. This issue contains an historical
background, as well as a description of methodologies
and new technologies used to facilitate traceability, in
particular, recent progress in electronics, biology and
genetics. Traceability systems currently in use for each
of the principal domestic animal species are described in
detail, as are monitoring and tracing techniques for
animal products. Finally, this issue contains several case
studies and provides a description of an advanced
computerised tracing and traceability system for the
cattle industry.

This issue of the OIE Review will undoubtedly
constitute a reference for all those responsible for the

identification and traceability of animals and animal products, and will be of particular assistance in the task of providing greater safety for both animal and public health.

ISSN 0253-1933
ISBN 92-9044-524-6
312 pp.

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World organisation for animal health (OIE: Office International des Epizooties)

12, rue de Prony
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Vol. 20 (2): Price: euros 40 (airmail postage included for all countries)

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Food Safety and International Competitiveness: The Case of Beef

This is an advertisement for a new book written by Grant Isaac and myself entitled "Food Safety and International Competitiveness: The Case of Beef". It examines the drivers for change in food safety, the policy decision-making processes (meta-rules) and the resulting international institutional arrangements and national institutional arrangements in four countries (USA, Canada, UK and Australia). You'll find lots of information in the book as well as our own perspective on where each country is doing well and where it is

doing not so well. I'm sure you will find lots to agree with and to disagree with in this book. You may even find yourself quoted or your organisation discussed. The book came out this past week and is published by CABI. You can see more info on the book at <http://www.cabi.org/Bookshop/New.asp>

I must say I was struck by CABI's choice of cover for the book. If you use your imagination a little, it looks like a fire incinerating beef carcasses!

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Instructions and Biographical Sketches of Candidates for 2002 ATVPHPM Elections

On the attached ballot, select ONE candidate for President-Elect and ONE candidate for Member-at-Large. Only members who are current in their dues payments (paid through 2001) are eligible to vote. Dues can be returned with the ballot or paid online through the ATVPHPM Web site (see URL below). The number (e.g. 00) in the lower right corner of the mailing label is the last year for which a dues payment has been recorded. Membership are \$20 annually and are payable on January 1 of each year.

Online dues payment instructions and ATVPHPM Bylaws can be found at the ATVPHPM Web site at <http://www.cvm.uiuc.edu/atvphpm/>

Candidate for President-Elect

Laura Hungerford is an Associate Professor at Great Plains Veterinary Educational Center, University of Nebraska. She received her B.S. and D.V.M. from Michigan State University. She completed a food animal internship, diagnostic microbiology training, and a Ph.D. in veterinary epidemiology at the University of Illinois, College of Veterinary Medicine and an M.P.H. at the University of Illinois-Chicago, School of Public Health. She taught a variety of veterinary public health, epidemiology and preventive medicine courses as a faculty member at the University of Illinois. She currently teaches epidemiology and preventive medicine to sophomore and senior veterinary students, graduate students, and practicing veterinarians using classroom and distance education methods. Her research is in quantitative epidemiology, dealing with productivity and food borne zoonoses in beef production; transmission of zoonotic and other agents between species; and spatial determinants of animal health.

Candidate for Member-at-Large

Dale A. Moore, Dale A. Moore, DVM MPVM PhD, is an Assistant Professor in the Department of Population Health and Reproduction, School of Veterinary Medicine, U.C. Davis. She is a former dairy and public health extension veterinarian at Penn State University where she focused on continuing veterinary medical education as well as field investigations of dairy herd health and production. She also was an Epidemic Intelligence Service Officer with the Federal Centers for Disease Control and Prevention. Her current activities include coordinating educational experiences for Davis and Consortium states' fourth-year veterinary students in dairy production medicine at the Veterinary Medicine Teaching & Research Center, teaching Dairy Herd Health to 3rd-year students, developing and providing continuing veterinary medical education to food animal practitioners, and conducting research in educational needs, outcomes assessments and food animal epidemiology.

Please detach the following section and return your completed ballot, postmarked no later than October 31, 2001, to:

Dr. Ian A. Gardner
Vet Medicine: Medicine and Epidemiology
One Shields Ave
University of California, Davis CA 95616, USA

Alternatively, you may email your vote to iagardner@ucdavis.edu. Be sure to include all requested information. All emailed votes must be sent no later than October 31, 2001 to be valid.

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President-Elect

- Laura Hungerford
- _____ (write-in candidate)

Member-At-Large

- Dale Moore
 - _____ (write-in candidate)
-

Additional Information Request

- I am current on my dues payment
- I am a member of the AVMA (only applies to U.S members who are veterinarians)