



AMERICAN COLLEGE OF VETERINARY MICROBIOLOGISTS

Board of Governors
President
J.A. Roth
Vice President
M.M. Chengappa
Secretary-Treasurer
C.S. Hayhow

Board of Governors
C.S. Hayhow (2005)
S.B. Kleiboeker (2005)
A.R. Woolums (2005)
C.C.L. Chase (2006)
M.M. Chengappa (2006)
S.C. Olsen (2006)
J.A. Roth (2006)
B.C. Love (2007)
D.L. Suarez (2007)
J.F. Timoney (2007)

NEWSLETTER Spring 2005

News

Statement from President Roth

The ACVM Board of Governors met at the Conference of Research Workers in Animal Diseases meeting in November. At that meeting, we transitioned to a new slate of officers. I want to thank Drs. Scott McVey (Past-President), Chris Hayhow (Past-Vice President), and Kenny Brock (Past-Secretary Treasurer) for their hard work on behalf of our organization. The incoming officers are me, as President, M. M. Chengappa as Vice President, and Chris Hayhow as Secretary-Treasurer. The minutes of the Board of Governors meeting are posted on our website.

There is a new address for the ACVM Website: <http://www.vetmed.iastate.edu/ACVM/>. Please review your information in the Directory and let me or Chris Hayhow know if any changes are needed. We want to be able to communicate via email with all of the Diplomates. We have made considerable progress in finding email addresses for all of those Diplomates for whom we either did not have an email address, or the email address did not work. We now have the capability to reliably communicate

with most of the Diplomates.

The Board of Governors expressed a desire to increase the activity and visibility of the ACVM and to actively recruit new Diplomates. To begin this process, we initiated three new projects:

- 1). Dr. Steve Kleiboeker, Chair of the Examination Committee, will work with that committee to prepare a study guide to help prospective Diplomates better understand the examination process and focus their preparation activities.
- 2). Dr. Amelia Woolums is Chairing a new committee to encourage recruitment of new Diplomates and retention of current Diplomates. The other committee members are M. M. Chengappa, David Benfield, and Brenda Love. Their charge is to develop a plan to solicit new members and to enhance retention of current members. We encourage all Diplomates to provide input to this committee to help them accomplish our mission of strengthening the ACVM.
- 3). The Board of Governors approved a plan to develop an **ACVM Biosecurity Task Force**. All ACVM Diplomates and Honorary Diplomates are

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

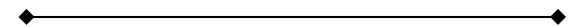
invited to participate in this task force. The mission of the task force will be to assist local, state, and federal officials in preparation for, response to, and recovery from accidental or intentional introduction of infectious agents, which threaten food security or public health. Please refer to the insert with this Newsletter describing the Task Force. I hope you will consider volunteering to be a member of the Task Force. The Board of Governors believes that ACVM Diplomates are ideally qualified to contribute to this important national need.

Please encourage any of your colleagues who are qualified to consider sitting for the ACVM Board Examination this fall. The application deadline is April 30, 2005. Application information can be found on our website.

I look forward to working with you to strengthen the ACVM.

Sincerely,

Jim Roth
jaroht@iastate.edu
515-294-8459



American College of Veterinary Microbiologists Biosecurity Task Force

The **mission** of the American College of Veterinary Microbiologists (ACVM) Biosecurity Task Force is to assist local, state, and federal officials in prevention of, response to, and recovery from infectious diseases, which threaten food security or public health. The accidental or intentional introduction of these diseases has the potential to devastate food security and/or public health in the U.S. The ACVM Biosecurity Task Force is a group of ACVM Diplomates and Honorary Diplomates who:

- Are experts in microbiology and infectious diseases;
- Have received training in the Incident Command System; and
- Have educational resources related to bioterrorism, agroterrorism, zoonotic diseases, and foreign animal diseases.

The Task Force members are volunteers who will strive to be available when contacted by local, state,

or federal officials to lend their expertise to assist in preventing, responding to, or recovering from an infectious disease emergency.

ACVM Biosecurity Task Force members could share their expertise in the following ways:

- Present awareness education seminars for health professionals or the public on bioterrorism, agroterrorism, zoonotic diseases, or exotic animal diseases.
- Advise on infectious agent detection and control prior to, during, and after a public health or animal health emergency.
- Consult with and advise emergency response safety officers before and during an infectious disease emergency.
- Assist in responding to media inquiries and in education of the public regarding an infectious disease event.

Officials in the USDA, the CDC and the DHS will be told about the ACVM Biosecurity Task Force and the willingness of its members to assist with prevention of, preparation for, response to and recovery from infectious disease emergencies. State Veterinarians, Public Health officials, and Homeland Security officials will also be notified of the existence of the ACVM Biosecurity Task Force.

The Center for Food Security and Public Health (CFSPH) at Iowa State University will provide task force members with resource materials through the CFSPH website (<http://www.cfsph.iastate.edu/>) which include:

- Power point presentations and fact sheets on all bioterrorism agents and high consequence livestock pathogens.
- Handouts for use with various audiences
- Public Speaking handbook

All ACVM Diplomates and Honorary Diplomates are eligible to serve on the ACVM Biosecurity Task Force. To become a Task Force member, ACVM Diplomates must:

- Complete level 100 and 200 training in the Incident Command System through a self-study course on CD-ROM prepared by the USDA.
- Be willing to have their name and contact information on a publicly available database, and strive to be available when contacted by local, state, or federal officials to lend their

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

expertise to assist in preventing, responding to, or recovering from an infectious disease emergency.

- Become familiar with the training materials available for their use.

ACVM Diplomates who are willing to become ACVM Biosecurity Task Force members should contact James Roth, President, ACVM Board of Governors. A CD with the USDA level 100 and 200 Incident Command System training will be mailed to you. After completion of the training, mail or fax a copy of the certificates you will receive to Dr. Roth. You should sign the certificate, but it does not need to be signed by a supervisor. Your entry from the ACVM Membership Directory will be added to the list of members of the ACVM Biosecurity Task Force. You can check your information in the membership directory on the ACVM website: <http://www.vetmed.iastate.edu/ACVM/>

Contact information for Dr. Roth:

James A. Roth, DVM, PhD
President, American College of Veterinary Microbiologists
Department of Veterinary Microbiology and Preventive Medicine
College of Veterinary Medicine
Iowa State University
Ames, Iowa 50010
Phone: 515-294-8459
Fax: 515-294-8259
email: jaroht@iastate.edu

ACVM Election

Included with this Spring Newsletter is a ballot for the 2005 ACVM election. Mail the ballot in the enclosed return-address envelope. Only votes from members in good standing will be counted. You may include a check for your dues if you are not current to ensure counting of your ballot. If your dues are not up to date please submit them with your ballot. Please note that emeritus and honorary members do not pay dues to remain in good standing; honorary members cannot vote.

New Directions

Currently the Board of Governors is considering changes that will affect continuing education and the professional recognition of ACVM. If any diplomates have any suggestions or comments please contact one of the ACVM Board of Governors members or one of the ACVM officers.

ACVM on the Internet

Please note the new ACVM website address is www.vetmed.iastate.edu/acvm. The site contains meeting minutes, the history, goals, directory, Constitution, By-laws, instructions for potential candidates and an application form. All members should review the updated website. Any suggestions for changes are welcome.

2005 AVMA Meeting in Minneapolis

Please plan on attending the ACVM Board of Governors' meeting, which is scheduled for Monday, July 18th, 2005. It will be held at 9:00 AM at the Hyatt Hotel. The agenda of the meeting will be placed on the ACVM web site as soon as it is confirmed and available. Everyone is invited to attend since the meeting is open to all diplomates. Remember the ACVM does not sponsor a symposium at the AVMA meeting.

2005 CRWAD Meeting in St. Louis

Please plan on attending the ACVM Annual and Board of Directors' Meeting, which is tentatively scheduled for Sunday, December 4th, 2005. It will be held at 10:00 AM. The agenda and location of the meeting will be placed on the ACVM web site as soon as it is confirmed and available. Remember to support the ACVM symposium, which will be held on the afternoon of Sunday December 4, 2005.

Dues Status

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

Dues are \$30. They are due by July each year. Due to the transition to a new Secretary-Treasurer we are currently reviewing the dues status of all ACVM members. In this newsletter is an update on the dues status of all diplomats. Please confirm that our records are correct. However, if you have not paid your dues for 2005 or for any past year(s) please submit payment to my attention as soon as possible. Please make remittances payable to ACVM by check drawn on a US bank or by international money order and mail directly to me. *Emeritus or honorary diplomates do not need to pay dues* (donations are always welcome). Emeritus diplomates can vote, but not honorary diplomates.

Suggestions and Corrections

For additional information or to provide suggestions, please contact:

Dr. Chris Hayhow
30705 West 84th Circle
DeSoto, KS 66018, (913) 894-0230
FAX (913) 894-0236
or by e-mail at chayhow@biomunecompany.com

Candidates for Board of Governors

Yung-Fu Chang

Dr. Yung-Fu Chang got his veterinarian degree from Taiwan in 1974. He spent five years working as an assistant Pathologist at Taiwan Provincial Institute for Animal Health. He got his M.S. degree from the University of Idaho in 1981 and his Ph.D. in Texas A&M University in 1984. After that, he has spent five years to work on molecular biology of bacterial diseases at Dr. Ry Young's laboratory, Medical School at Texas A&M. In 1989, he joined Cornell University as an assistant professor and currently is a professor in the Department of Population Medicine and Diagnostic Sciences. In 2003, he spent a sabbatical leave at Dr. Gary Schoolnik's laboratory at Stanford University, School of Medicine. He became a diplomate of the ACVM in 1987 (Bacteriology & Mycology, Immunology and Virology specialties). His research interests are on molecular basis of bacterial pathogenesis, animal

model of infectious diseases, DNA and recombinant subunit vaccine development, host defense mechanisms and molecular diagnosis (DNA probes, PCR/real time PCR, and microarray).

ACVM Vision and Challenge

The emergence or reemergence of infectious diseases in animals or humans has given the veterinary microbiologist, immunologist or virologist a pivotal role in helping to protect both animals and humans from infectious diseases. The existence of multi-drug resistance in multiple microorganisms, the outbreak of food poisoning during contamination with pathogens, and the presence of new diseases, like West-Nile virus infections are examples how important a role our organization can play in dealing with these problems. After 9-11, how to protect animals from an infectious disease attack through bioterrorism is a major issue that our organization can tackle by helping to meet the challenges of these problems.

In order to make our organization grow and flourish, we need to recruit new blood and ideas. Although we all know that we need new members, the numbers of ACVM are increasing very slowly. One of the reasons, I presume, is we are not like ACVP members, because all pathologic necropsy/histopathologic examinations require ACVP board certified members. The microbiologic sections from all veterinary diagnostic laboratories in US are not required to be ACVM board certified. However, ACVM members have a long tradition in providing new information, performing research, service, and teaching very well in their positions. Therefore, we need to ask each of our members to actively participate in recruiting the highest quality new members.

Continuing education is also important in ACVM. Is the symposium every year we have good enough? I can say, yes, we have an excellent symposium every year. However, in our continuing education, can we offer a short course on practical and modern technologies, like microarray, immunologic (new vaccine techniques?), and/or bacterial genetic techniques? Although these short courses are more expensive to offer, it may have more impact on our organization. Since we have to meet the challenges in modern research, and teaching/service, we need to learn new tricks to deal with these problems.

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

In order to raise the visibility of the ACVM, we need our members to actively involve various veterinary and public health organizations. Our goals would be to promote the ACVM and the value of its membership by all means possible.

Mary DeBey

Dr. Mary DeBey completed the DVM and BS degrees in 1979, and MS in 1986, at Kansas State University. She received her PhD from Iowa State University in 1992, and was certified by ACVM in 1999. Since graduation, she has worked as a mixed and a small animal practitioner; adjunct instructor in veterinary microbiology at Iowa State University; mycologist at National Animal Disease Center; clinical microbiologist at University of California, Tulare Branch; and temporary and adjunct instructor in veterinary microbiology and avian diseases at Kansas State University. She is currently employed by Hill's Pet Nutrition, Inc., as a consultation clinician in Topeka, KS. She is a member of AVMA, ASM, and International Society for Human and Animal Mycology. She currently serves on the examination committee for ACVM.

ACVM Vision and Challenge

The strength of ACVM has historically been maintenance of high standards within the college. The standards for admission should not be abandoned, but for future growth and perceived significance of the college, the ACVM must become more recognized by others outside the college. Awareness of the value of ACVM diplomate status will come about only through the efforts of individual ACVM members in the public arena.

Awareness of ACVM members as an easily accessible resource for infectious disease information for private and public practitioners could elevate awareness of the College. The increased threat of terrorism employing infectious agents that affect humans or food animals, presents an opportunity for ACVM to elevate awareness of the College. ACVM diplomates have the opportunity to become a resource for up-to-date information on the agent(s) of concern. As veterinarians, ACVM diplomates can offer insight into zoonotic potential of bioterrorism agents. ACVM members could operate preemptively before terrorism strikes, as a resource

for continuing education. In the aftermath of a destructive bio-terrorism attack, ACVM could act as a resource for current information on containment or control of a disease.

This organization has an immediate challenge of recruiting more applicants for certification as ACVM Diplomates. As diplomates, our challenge is to make board certification more desirable and beneficial to potential candidates. One attainable goal I visualize is greater emphasis during AVMA accreditation on the presence of ACVM board certified veterinarians on Veterinary College faculties. Currently, non-veterinary microbiologists may teach bacteriology, mycology, immunology and virology in some veterinary undergraduate curricula. Veterinary colleges that have ACVM board certified instructors in the undergraduate and graduate veterinary microbiology curriculum should receive recognition for that advantage during AVMA accreditation. In addition, the microbiology laboratories operated at diagnostic laboratories supported by veterinary colleges should receive recognition during accreditation if the microbiology, virology or immunology areas are headed by an ACVM certified diplomate.

Jeffrey T. LeJeune

I received my DVM degree from the University of Prince Edward Island, Canada (1993). Immediately following graduation I worked for the Meat Hygiene Division of the Canadian Food Inspection Agency as a Veterinarian for two years. Subsequently, I moved to Washington State University where I completed a combined Ph.D./Residency Program in Veterinary Microbiology. My dissertation research explored the relationship between livestock drinking water quality and *E. coli* O157 colonization of cattle. I was board-certified in the College (Bacteriology & Mycology) in 2002. Presently, I am an Assistant Professor in the Food Animal Health Research Program, at the Ohio Agricultural Research and Development Center, in Wooster, OH. The Food Animal Health Research Program is a division of the Department of Preventive Medicine, at The Ohio State University's College of Veterinary Medicine. My appointment is split between research (food safety) and Veterinary Extension.

ACVM Vision and Challenge

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

The primary challenges of ACVM are two-fold, but closely related: 1) to increase its professional recognition both within and outside the veterinary community and, 2) increased membership. Collectively, our members have a vast range and in-depth knowledge of infectious diseases. Given the current concerns of agro-terrorism, bioterrorism, global trade and travel, and the ever-evolving threat of naturally occurring emerging diseases (primarily of zoonotic nature), it stands to reason that ACVM members are some of the most qualified individuals to provide information about these subjects. Through promotion of our College to key individuals and organizations outside the veterinary profession (AMA, NIH, USDA, DHS, *etc.*) our organization and members may become more recognized as a leader in this discipline and a resource for information concerning infectious disease microbiology.

Increased membership has been a perpetual challenge. Part of the difficulty of attracting new candidates for membership is the relatively low numbers of veterinary students that choose to pursue careers in veterinary microbiology. I think that increasing the awareness of veterinary students of the College's mission and the exciting career opportunities in this field would be beneficial. Such introduction of veterinary students to the college must be done early in the students' period of study. Most veterinary students receive limited information about career options in veterinary microbiology during the early stages of their education; however, it is probable during the first three years of their professional training that their career pathways become established. A few hours of contact with veterinary students during their senior block rotations through the diagnostic laboratory is too little, too late. Special efforts should be made to make students aware of the AVCM early in their studies. Possible avenues of interaction with student could include: a) ACVM sponsored seminars directed at vet students given by diplomates visiting other institutions and; b) having a presence at the annual meetings of student chapters of the AVMA and Canadian VMA.

Melissa Libal

Dr. Melissa Libal received a bachelor's degree in Microbiology from Indiana University in 1970, a Masters degree in Microbiology from the University of California, Davis in 1973 and the DVM degree from the University of California, Davis in 1977.

After an internship in Food Animal medicine and one year Residency in Food Animal medicine, Dr. Libal took a job at the Veterinary Diagnostic Laboratory/Veterinary Science Department at South Dakota State University. She was boarded by ACVM in 1983 while working at SDSU. Dr. Libal also worked at the Diagnostic Laboratory at Iowa State University from 1996-1998. From 1998-2004 Dr. Libal was head of Diagnostic Bacteriology at the Texas Veterinary Medical Diagnostic Laboratory in College Station, TX. From 2004-present Dr. Libal is Clinical Associate Professor, Department of Pathobiology, Texas A&M University School of Veterinary Medicine. Dr. Libal's interests have centered on the epidemiology of infectious disease, antibiotic resistance and antibiotic susceptibility testing.

ACVM Vision and Challenge

Avian influenza, foot and mouth disease, Tsunami-related tetanus, BSE, food borne Salmonellosis, laboratory acquired tularemia, monkey pox in pocket pets, anthrax: these represent a small sampling of infectious diseases of humans and/or animals that headline the news on a daily basis.

In the wake of the 2001 anthrax letter crisis, the public health laboratory system in the US was overwhelmed with requests for culture. In the midst of that crisis, many veterinary microbiologists / laboratories stepped up to help our public health laboratory colleagues by performing cultures. That crisis alone pointed out two things; 1. The value of well-trained microbiologists and 2. The shortage of well-trained microbiologists, especially in leadership roles.

In an attempt to increase the number of trained, boarded microbiologists we at ACVM need to attract new talent to the field. To do this I think it is important to broaden the scope and exposure of ACVM. Toward that goal, I would propose using the CRWAD experience as a model to expand ACVM activities to include other national organizations, most importantly AAVLD and ASM. We should be actively pursuing involvement with both AAVLD and ASM by way of sponsoring educational and informational activities at their national meetings. In addition, we should increase our exposure to large animal practitioner groups like AABP, AAEP, AASV and AVC and to small animal practitioner groups like AAHA.

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

I would also propose establishing a directory of active laboratories/research programs/residency programs that are lead by ACVM boarded members. This would allow individuals interested in pursuing a career in veterinary microbiology the opportunity to find work with boarded individuals throughout the world.

My primary goal is to increase membership in ACVM and by doing so increase the influence ACVM members have on infectious disease policy development. I believe that the only way to accomplish this is to actively recruit members by way of increased exposure of the ACVM to other professional groups throughout the US and abroad.

I appreciate the honor of being nominated for the Board of Governors and, if elected will enthusiastically pursue the goal of broadening the scope of the ACVM.

Sanjeev K. Narayanan

I earned my B.V.Sc in April 1994 from Madras Veterinary College, Madras, India. My clinical experiences include 1 ½ years in a mixed animal, primarily dairy animal practice in southern India and a six-month internship in production animal medicine. I received Master's and Ph.D. degrees from Kansas State University, Manhattan, KS in the years 1997 and 2001, respectively working with Drs. T.G. Nagaraja, G. Stewart and M.M. Chengappa on cloning, sequencing and expression of leukotoxin gene from *Fusobacterium necrophorum*. We have recently been awarded a United States patent for a recombinant *F. necrophorum* leukotoxin vaccine developed during this time. I was certified as a diplomate of the ACVM in 2001.

I became an instructor in the Department of Microbiology at University of Texas-Southwestern Medical Center in Dallas in the year 2001 and worked on insertional mutagenesis of *Haemophilus influenzae*. I also had the opportunity to teach microbiology and immunology to medical and graduate students. I became an Assistant Professor in the Department of Diagnostic Medicine/Pathobiology at Kansas State University-College of Veterinary Medicine in 2003 and have been teaching sophomore and senior veterinary students. I also hold a 20% appointment in the diagnostic laboratory at KSU-CVM.

My publication record includes 17 scientific articles, 13 oral presentations and 6 poster presentations. I am a member of the AVMA, Indian Veterinary Association, ASM, C.L.Davis, D.V.M. Foundation, Phi Zeta, and Gamma Sigma Delta.

(An unabridged version of my C.V. will be e-mailed to interested members upon request)

ACVM Vision and Challenge

Microbiology is a rapidly changing and progressing field in science. We as members of the American College of Veterinary Microbiologists should not only keep-up with the challenges that face us, but should strive to be leaders in the field of microbiology.

Judging from the wide background of our members, it becomes evident that our expertise and services are sought after in many walks of our society. Education, research and development, diagnostics, public health and zoonoses, are a few of the fields where our knowledge and training have traditionally been utilized. With recent emphasis on bio-defense and anti-terrorism worldwide, there is a growing need for veterinarians with current and extensive training in pathogenic microbiology.

Grassroots is where we need to nourish this college and enhance motivation for our growth. We should spread the word to future veterinarians and new veterinarians about opportunities to become a member of our college. Some resources to achieve such visibility would include starting student ACVM societies (subsidiary to SCAVMA) in veterinary schools, having booths at ASM and AVMA meetings, etc. We also need to advertise our college so that practicing veterinarians will seek us for opinions as experts in our relevant fields, and also to become active members of our college.

I believe the best advertisement for our college is to increase our membership. The most important step to facilitate increased enrollment is to make our certification process more suitable for practicing veterinarians. For example, the number of years a veterinarian has to wait after graduation before he/she can appear in the certifying examination should be reduced.

Almost every veterinary school in North America has

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

infectious diseases as one of their primary impetus for research and development for the near future. This along with the emphasis by pharmaceutical companies on infectious disease pathogenesis and prevention opens many new avenues for growth of veterinary microbiology. Our basic knowledge on host mechanisms and resistance along with our deep understanding of the microbe allows us to evaluate host-pathogen relationships, providing an edge over others in the field. Although I am impressed with the current ACVM home page, we should continue to expand our career opportunities page to post available positions as soon as they become available, to the job-seeking members of our college.

As a recently certified member (years 2001 and 2002), I would like to humbly state that I have a better understanding of the strengths and weaknesses of our examination process. We should continue to make our exams current and synchronous with recent developments in basic and clinical microbiology and immunology. Recently, there is abundant emphasis in the fields of foreign animal diseases and bioterrorism and ample interest in exotic animal medicine, fisheries and laboratory animal medicine. We need to emphasize these concepts more in our examination process. Also, we should find a way (short courses or web-based programs) to train current members of ACVM who may be interested in learning about these pathogens that have gained recognition and importance in the recent past. As members of ACVM, we should pilot the efforts in educating the laboratory personnel, farmers, animal owners and public alike about emerging and zoonotic infectious agents.

I am honored and humbled to be nominated to run for the ACVM board of governors. If given an opportunity, I will proudly serve for the betterment of this esteemed college.

Andrew J. Phipps

Dr. Phipps earned a DVM degree from The Ohio State University in 1994 and a Ph.D. in viral pathogenesis and immunology from the same institution in 1999. He became a Diplomate of the ACVM in 2001. His work experiences include: Principal Research Scientist (1999-2002) at Battelle Memorial Institute, Department of Aerosol Engineering and Biodefense Sciences, Columbus, OH; and Research Scientist (2002 – present) at The

Ohio State University, Department of Veterinary Biosciences, Columbus, OH. Dr. Phipps' research focuses on innate immunity and the early stages of *Bacillus anthracis* infection by studying human and mouse mononuclear phagocyte interactions with *B. anthracis* toxins and spores. He is author or co-author of over 14 articles in peer-reviewed journals.

ACVM Vision and Challenge

Veterinary microbiologists play a vital role in infectious disease research and promoting animal and human health. The overall mission of the ACVM is to promote the specialty of veterinary microbiology through education and scientific research. The College can accomplish this mission by working to enhance educational programs in microbiology, maintaining high standards for the qualification of specialists, and advancing the professional standing of veterinary microbiologists. The ACVM has a long history in educating and certifying virologists, bacteriologists, and immunologists. However, a strong infrastructure will be necessary for the College to continue to grow and to increase international recognition of our organization. Increasing the operating budget will be a necessary step in the process of strengthening the College. A well organized and funded infrastructure will allow the College to enhance communication between Diplomates, provide an array of services for members, promote the professional standing of veterinary microbiologists through the dissemination of scientific information, and provide a conduit to attract private donors and corporate sponsors.

There are a wide variety of opportunities for the ACVM to enhance educational programs in microbiology. An initial step could be to explore available training grants and fellowships through the Department of Homeland Security, The National Institutes of Health, United States Department of Agriculture, and other federal, state, and private funding sources. Furthermore, the ACVM could support a veterinary microbiology fellowship funded by corporate sponsors and development funds as a mechanism to increase the number of applicants for certification.

Finally, the ACVM should work towards forming strategic alliances with the American College of Veterinary Pathologists (ACVP), the American Board of Veterinary Toxicologists (ABVT), and the

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

American Association of Veterinary Laboratory Diagnosticians (AAVLD). Such alliances will serve to advance the professional standing of Diplomates by establishing roles for certified veterinary microbiologists in veterinary diagnostic laboratories, the biotechnology and pharmaceutical industry, and government agencies such as the Food and Drug Administration and the Centers for Disease Control and Prevention.

The Board is charged with the task of managing the organization and providing leadership for the College. As a member of the Board, I will work towards accomplishing the mission of the ACVM. However, the College will not be able to grow without the support of the Diplomates. I believe that we have the opportunity to grow by increasing the cohesiveness of our membership and solidifying our organization by strengthening the infrastructure.

Nathan Sriranganathan

Nammalwar Sriranganathan received his B.V.Sc., and M.V.Sc., from University of Agricultural Sciences, Bangalore India in 1966, and 1968 respectively. He then spent a year in mixed animal practice in Bangalore City, India before joining University of Agricultural Sciences as an Instructor in Microbiology. He investigated incidence of bovine abortions in Karnataka under Indian Council of Agricultural Sciences sponsored research project. He came to USA in 1970 as an immigrant and went to Oregon State University and obtained his Ph.D. in Molecular biology in 1975. Then he interned in a private practice in Centralia, Washington for a year and obtained his License to practice in Washington and Oregon in 1975-1976. He did a year of postdoctoral at Washington State University under the guidance of Dr. D. Burger. He received his certificate as a diplomate in 1978. He became an assistant professor in Washington State University 1979-1983, and then he moved to Virginia via Wyoming in 1984. He continues to be at Virginia Tech, now as a professor of microbiology and teaches veterinary bacteriology and mycology to sophomores.

His research interest is in the host-pathogen interaction with the intent of identifying protective antigens. He has been active in *Brucella* research for the past 20 years and is one of the persons responsible for the characterization of the USDA approved Bovine Brucellosis vaccine RB51. He has

several patents to his credit. Currently he is active in vaccine development against zoonotic agents like other *Brucella species*, *Bacillus anthracis*, *Mycobacterium tuberculosis*, and *Yersinia pestis*. Several of these agents have been considered potential bioterrorism agents. He is active in the development of multivalent vaccines using *B. abortus* RB51 as the vector for expression of heterologous protective antigens from agents like neosporosis, tuberculosis, anthrax, plagues etc. He is author, co-author of over 50 articles in peer-reviewed journals. He has served the American College of Veterinary Microbiologists on the Examination Committee for two years.

ACVM Vision and Challenge

I very much appreciate the honor of being nominated to the Board of Governors. Given the opportunity, I intend to work for the advancement of this important organization and enhance the opportunities/advancement of future members.

With the recent incidence of bioterrorism, the spread of anthrax spores in the US mail, the importance of veterinary microbiology becomes even more evident. Veterinary Microbiologists should be at the forefront of efforts to make early diagnosis as well as develop effective preventive measures. During such incidences we are one of the first responders as diagnosticians. In addition, we have the knowledge, training and the ability to deal with such situations as broadly trained biologists.

All potential bioterrorism agents are animal pathogens first and zoonotic agents second. This gives us the understanding as well as training to make an impact, on diagnosis, prevention and eventual eradication of such zoonotic diseases. This is an important opportunity for the college to make an impact both to this society as well as society at large. We should present our capabilities as well as our accomplishments in this regard to appropriate authorities. Thereby bringing recognition to our College.

There are many important arenas that veterinary microbiologists have the opportunity to play key roles in. Some of them are in food born disease, prevention of development of drug resistance in animal pathogens and the potential transfer of such resistant organisms to humans via foods of animal origin. We also have opportunities in the area of

Office of the Secretary-Treasurer

Dr. Chris Hayhow, 30705 West 84th Circle, DeSoto, Kansas 66018

Phone: (913)-894-0230, FAX: (913)-894-0236, E-Mail: chayhow@biomunecompany.com

prevention of transmission of animal diseases like tuberculosis to humans. The emergence of new and some recently introduced exotic disease, have highlighted the national and international need for well-trained infectious disease specialists and veterinary microbiologists have to be one of the leading component of such an important team.

These opportunities demand that the college take the lead in training new professionals to meet the national as well as international need. In this regard, given the opportunity, I would like to devote some of my efforts to promote the excellent capabilities of the members of the college to key policy making bodies as well as to other colleges and forums.

In order to keep the college young and vibrant, we need to recruit new active members with new ideas to the college. This should be our top priority and I feel that it is sustainable only when there is an advantage of being a member of ACVM. As a member of the examination committee for a short term, I have learned that there are lots of very dedicated and excellent diplomates in the College. As a member of The Board of Governors, I will work to help enhance the effectiveness of the college in the short term as well as on the long run. Thank you very much for your consideration.



Honorary Diplomate Candidate

T. G. Nagaraja

Dr. Nagaraja’s work spans both applied and basic research. His basic research has led to a better understanding of the pathogenesis of liver abscesses, bloat, and rumenal acidosis in cattle. Dr. Nagaraja is highly sought for his expertise by researchers around the world as a speaker at international conferences and seminars, and as a consultant for his advice on these diseases. He has been involved in the development of animal models for bloat and liver abscesses in cattle. His models have been used to test many potential products to treat or control these diseases. He has been awarded several patents, and recently his work on liver abscesses has resulted in a commercial vaccine that is now on the market. Along the way Dr Nagaraja has had a strong graduate program having trained a dozen Ph.D. students, a dozen M.S. students, as well as 2 post-doc students. It is

apparent that Dr Nagaraja’s work has been very important to veterinary bovine medicine and infectious disease control over the years, making him an excellent candidate for honorary diplomacy in the ACVM.



Official Ballot

2005 ACVM Board of Governors Candidates

(Place a checkmark next to the candidates of your choice. Vote for three candidates for the ACVM Board of Governors)

- Yung-Fu Chang _____
- Mary C. DeBey _____
- Jeffrey T. LeJeune _____
- Melissa C. Libal _____
- Sanjeev K. Narayanan _____
- Andrew J. Phipps _____
- Nathan Sriranganathan _____

2005 Honorary Diplomate Candidate

- I approve T.G. Nagaraja as an Honorary Diplomate _____
- I do not approve T.G. Nagaraja as an Honorary Diplomate _____

Dues Owed for 2005

Ali, Akbar
Allen, Gary K.
Angulo, Arthur B.
Archambault, Marie
Baldwin, Charles A.
Barlough, Jeffrey E.
Bowersock, Terry L.
Brock, Kenny V.
Brodie, Scott J.
Bruyninckx, Walter J.C.
Buddle, Bryce M.
Buening, Gerald M.
Bulgin, Marie S.
Carlson, Jack H.
Chase, Christopher C.L.
Cho, Yung
Clough, Nancy E.
Cooper, George L.
Corapi, Wayne V.
Crawford, Timothy B.
Dee, Scott A.
Dellers, Robert W.
Dickerson, Harry W.
D'Offay, Jean M.
Eleraky, Nasser
Ellis, John A.
Ellsworth, Steven R.
Eriks, Inge S.
Fahey, James R.
Fisch, Harvey
Frank, Glynn H.
Garmendia, Antonio E.
Gaskin, Jack Michael
Greene, Russell T.
Griffith, Ronald W.
Grooms, Daniel L.
Guy, James S.
Hennessy, Kristina J.
Hong, Chou C.
Isaacson, Jeffrey A.
Issel, Charles J.
Jarboe, Daniel L.
Kapil, Sanjay
Keil, Daniel J.
Kennedy, Melissa A.
King, Daniel J.
Kowalski, Joseph J.
Kulkarni, Arun B.
Lairmore, Michael D.
Lalonde, Guy
LeJeune, Jeffrey T.
Lester, Thomas L.
Ley, David H.
Loan, Raymond W.
Lu, Yue-Shoung
Lupton, Harold W.
Lynch, John A.
Madden, David L.
Messier, Serge
Montgomery III, Roy D.
Naqi, Syed A.

Narayanan, Sanjeev K.
Nayar, Gopi P.S.
Newbound, Garret C.
Nusbaum, Kenneth E.
Odemuyiwa, Solomon O.
Panigrahy, Brundaban
Parker, Roger W.
Pastey, Manoj Kumar
Paul, Prem S.
Payne, Jerry B.
Pearson, Leonard D.
Phipps, Andrew Jay
Platt, Kenneth B.
Plavsic, Z. Mark
Potgieter, Leon N.D.
Quenelle, Debra Cross
Rajeev, Sreekumari
Reddy, P. Gopal
Reddy, Sanjay K.
Reggiardo, Carlos
Reynolds, Donald L.
Rice, Robert M.
Ross, Richard F.
Roth, James A.
Scanlan, Charles M.
Schnorr, Kenneth L.
Shin, Sang J.
Simmons, Donald G.
Simpson, Russell B.
Snyder, Daniel E.
Srivastava, Kunwar K.
Stevens, Mark G.
Stevenson, Timothy H.
Subbiah, Elankumaran
Sylte, Matt J.
Thacker, Eileen L.
Thompson, James P.
Tresnan, Dina Barbis
Tripathy, Deoki N
Tudoriu, Constantin D.
Uhland, F. Carl
Villegas-Narvaez, Pedro
Walton, Thomas E.
Welsh, Ronald D.
Wempe, John M.
White, Amy K.
Williams, Robert Dee
Wooley, Richard E.
Woolums, Amelia R.

Dues Owed for 2004

Ali, Akbar
Allen, Gary K.
Angulo, Arthur B.
Archambault, Marie
Baldwin, Charles A.
Bowersock, Terry L.
Brock, Kenny V.
Buddle, Bryce M.
Buening, Gerald M.
Bulgin, Marie S.
Carlson, Jack H.

Cho, Yung
Corapi, Wayne V.
Crawford, Timothy B.
Dellers, Robert W.
Dickerson, Harry W.
D'Offay, Jean M.
Eleraky, Nasser
Ellis, John A.
Ellsworth, Steven R.
Eriks, Inge S.
Fahey, James R.
Fisch, Harvey
Frank, Glynn H.
Garmendia, Antonio E.
Griffith, Ronald W.
Grooms, Daniel L.
Guy, James S.
Hennessy, Kristina J.
Hong, Chou C.
Isaacson, Jeffrey A.
Issel, Charles J.
Kennedy, Melissa A.
Kowalski, Joseph J.
Lairmore, Michael D.
Lalonde, Guy
LeJeune, Jeffrey T.
Lester, Thomas L.
Loan, Raymond W.
Montgomery III, Roy D.
Naqi, Syed A.
Narayanan, Sanjeev K.
Nayar, Gopi P.S.
Odemuyiwa, Solomon O.
Parker, Roger W.
Pastey, Manoj Kumar
Payne, Jerry B.
Phipps, Andrew Jay
Platt, Kenneth B.
Reddy, P. Gopal
Reggiardo, Carlos
Rice, Robert M.
Ross, Richard F.
Scanlan, Charles M.
Schnorr, Kenneth L.
Simpson, Russell B.
Subbiah, Elankumaran
Sylte, Matt J.
Tripathy, Deoki N
Tudoriu, Constantin D.
Uhland, F. Carl
Walton, Thomas E.
Wempe, John M.
Williams, Robert Dee
Wooley, Richard E.

Dues Owed for 2003

Ali, Akbar
Angulo, Arthur B.
Archambault, Marie
Carlson, Jack H.
Dickerson, Harry W.
Eleraky, Nasser
Ellis, John A.
Ellsworth, Steven R.
Eriks, Inge S.
Fisch, Harvey
Frank, Glynn H.
Garmendia, Antonio E.
Hennessy, Kristina J.
Hong, Chou C.
Issel, Charles J.
Kowalski, Joseph J.
Lester, Thomas L.
Parker, Roger W.
Pastey, Manoj Kumar
Payne, Jerry B.
Subbiah, Elankumaran
Sylte, Matt J.
Tripathy, Deoki N
Williams, Robert Dee

Dues Owed for 2002

Ali, Akbar
Carlson, Jack H.
Dickerson, Harry W.
Eleraky, Nasser
Eriks, Inge S.
Hennessy, Kristina J.
Issel, Charles J.
Kowalski, Joseph J.
Lester, Thomas L.
Pastey, Manoj Kumar
Subbiah, Elankumaran
Tresnan, Dina Barbis
Williams, Robert Dee

Dues Not Paid

Kowalski, Joseph J.
Last paid 6/94

Issel, Charles
Last paid 6/97

Carlson, Jack H.
Last paid 6/98

Lester, Thomas L.
Last paid 6/98

**Dues Paid in Advance
for 2006**

Castro, Anthony E.
Chang, Yung-Fu
Charlton, Bruce R.
Gbadamosi, Sulaiman G.
Hodgson, Jennifer
Kibenge, Frederick S. B.
Kinde, Hailu
Kleiboeker, Steven B.
Olsen, Steven C.
Robinson, David M.
Saliki, Jeremiah T.
Samal, Siba K.
Wilcox, Graham E.