



Volume 9 - Number 3

May - June, 2000

Newsletter

James V. Schoster - President; Eric (Rick) M. Mills - President Elect, Robin Starr-Chichester - Secretary Treasurer;
Ronald D. Smith - Newsletter Editor

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ASSOCIATION NEWS

AVI Sponsored CAI Meeting at the AVMA Meeting

From: Cheryl Dhein <crd@vetmed.wsu.edu>

There will be an open and informal meeting on Monday evening, 24 July at 5:30pm to 7pm at the Marriott in the ParkCity room for anyone interested in using computer technology in veterinary curricula or CE.

I have arranged for a video projector and will bring my laptop. There won't be an internet connection so if you want to show something, you can run local off your laptop or bring it on a CD and you can use mine....or we can just talk.

This meeting is sponsored by the Association for Veterinary Informatics (AVI)

<http://netvet.wustl.edu/avi.htm>

Cheryl R Dhein DVM MS, Diplomate ACVIM
Associate Professor, VCS
Head of Instructional Technology, VIS
College of Veterinary Medicine
Washington State University
Pullman WA. 99164-6610

How to Contact AVI

Applications for membership, accompanied by a check payable to the AVI, should be sent to:

Dr. Robin M. Starr; Secretary Treasurer, AVI;
31575 Griffin Drive, Conifer, CO 80433
Phone: 303/674-5231; FAX: 303/674-9717;
e-mail: starrchi@earthlink.net

Membership application forms are available online at:

<http://netvet.wustl.edu/avi.htm>

Dr. Starr is responsible for distribution of the hardcopy version of the AVI Newsletter.

Newsletter items can be sent to:

Dr. Ronald D. Smith, Newsletter Editor, AVI;
UI College of Veterinary Medicine; 2001 South
Lincoln; Urbana, IL 61801.
Phone: 217/333-2449
FAX: 217/333-4628
E-mail: rd-smith@uiuc.edu

If you are an AVI member and would like to be on the AVI Newsletter electronic distribution list, send an e-mail message to the Newsletter Editor. The electronic (PDF) version is faster, searchable, easier to store and retrieve, and environmentally friendly.

Current and past issues of the AVI Newsletter are also available on the Web at:

<http://netvet.wustl.edu/avi.htm>

CORRESPONDENCE

Standards for Electronic Veterinary Medical Records Meeting

From: "Coleen Nelson" <cnelson@avma.org>

Dear Colleague in Veterinary Medical Informatics Standards!

The American Veterinary Medical Association's Committee on Veterinary Medical Informatics invites your participation in an important meeting and workshop on the development of standards for electronic veterinary medical

records and information transmission. This 3-hour meeting will be held in conjunction with AVMA's annual convention in Salt Lake City, Utah on Sunday, July 23, 2000.

An initial presentation will be made by the Informatics Standards Subcommittee to outline the current status and feature projects of this effort. This will be followed by panel and audience discussion. The AVMA wants to share information and progress reports with developers, vendors, and managers of

veterinary information management systems. Further, we want to get you valuable input so that this work can progress in a logical fashion and bring to the veterinary medical profession standards that can be effectively implemented for information exchange.

- Event: Standards for Electronic Veterinary Medical Records Meeting
- Attendees: Developers, Vendors, Managers of Veterinary Medical Information Systems
- Sponsor: AVMA Committee on Veterinary Informatics and the Standards Subcommittee
- When: Sunday, July 23, 2000: 7:00-9:00 p.m. (Beverages/snack served)
- Where: Marriott, Grand Salon I Meeting

Agenda:

- Welcome - Dr. Cohn
- Mission and Purpose of AVMA Subcommittee on Veterinary Standards
- Executive Overview - Dr. Hahn
- "In the Grand Scheme of Things"
- "What's In It For Me?"

- New developments in messaging and vocabularies - Drs. Case and Wilcke
- SNOMED update - Dr. Wilcke
- Demonstrations: Specs Document, Messages, Data Submission, and Clinical Data-Conversion
- Open discussion
- Summary & Conclusion

Please mark this date on your calendar and make every effort to have a representative in attendance at this important meeting. To indicate your attendance, please e-mail Coleen Nelson at cnelson@avma.org, AVMA Centers for Information Management by July 10, 2000.

Thank you. We look forward to meeting with you!

Sincerely,

Theodore Cohn, DVM, Chair
AVMA Committee on Veterinary Medical Informatics TCDVM@aol.com

Allen W. Hahn, DVM, PhD, Chair
AVMA Subcommittee on Informatics Standards
Hahna@missouri.edu

AVI at the 2000 AVMA CONVENTION



5th Annual TALBOT SYMPOSIUM Sunday July 23, 2000

AVMA ANNUAL MEETING SALT LAKE CITY UTAH

Moderator

Dr. Bob Featherstone

8:00 AM- 8:20 AM	"VisuaLab: A User-Configurable, Graphical Laboratory Information Management System for Veterinary Diagnostic Laboratories"	Dr. C. N. Carter, et al
8:25 - 9:15 AM	"Public Key Infrastructure for Secure Healthcare Data Communications" "A Statewide Hospital Encounter Database and Reporting Program; What Makes It Worth the Hospital's Time and Money? A Model for Large Veterinary Databases Such as VMDB"	Dr. Michael K. Martin
9:15 - 9:30 AM	"Video Conferencing and Telemedicine Using the Internet 2"	Dr. Charles Branch and Dr. Mickey Simms
9:30 AM - 10:15 AM	Break	
10:15 AM - 11:00 AM	"Launching Your Own Web Site"	Dr. Robin Starr
11:00 - 11:20 AM	SOAPCycle, a New Java Based Interface to the Medical Record"	Dr. Alex Sherer

11:20 - 11:45 AM	"National Companion Animal Health Surveillance System"	Dr. Glenna Gobar and Dr. James T. Case
11:45 PM - 12:45 PM	AVI Business Meeting LUNCHEON	
1:00 PM - 1:20 PM	"Developing a Controlled Vocabulary for Use in a Hospital Information System"	Dr. Allen W. Hahn, et al
1:20 PM - 1:35 PM	"Internet Based Fully Automated Interactive Case Exercises For Veterinary Students and Possible Applications for Continuing Education for the Practicing Veterinarian"	Dr. Mike Moore and Peter M. Rule
1:35 PM - 1:55 PM	"Developing a Bacterial Identification Engine"	Daniel Zeldis
1:55 PM - 2:15	"Six Years of Veterinary Technology Distance Education"	Dr. Guy Hancock
2:15 PM - 2:30 PM	"The Canine Epilepsy Network"	Dr. Gary Allen
2:30 PM - 3:15 PM	Break	
3:15 PM - 3:45 PM	"Effective Utilization of Internet Resources in Veterinary Practice Using an Evidence - Based Medicine Approach"	Dr. R. D. Smith
3:45 PM - 4:15 PM	"Evaluation of the Performance of the Systematized Nomenclature of Medicine (SNOMED) for Summarizing Veterinary Diagnoses"	Dr.'s Jeff Wilcke and Hahn
4:15 - 4:45 PM	"Evaluation of the Effectiveness and Utility of a Mechanical Ventilation Simulation in a Veterinary Teaching Program"	Dr. Keegan
4:45 - 5:00 PM	"Computer Based Training Program for Veterinarians - Estrous Cycle in Domestic Animals"	Dr. Mushtaq Memon

POSTER Displayed July 23 - 25th in hallway adjacent to Talbot and Informatics lecture room.	"A Web-based, Asynchronous Problem Solving Classroom"	Dr. Cheryl Dhein
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MONDAY JULY 24, 2000

Moderator

Ms. Carol Schnack

8:00 AM- 9:30 AM	The Computerized Medical Record Part I	Ms. Valerie Ball
9:30 AM - 10:15 AM	Break	
10:15 AM - 11:45 AM	The Computerized Medical Record Part II	Ms. Valerie Ball
12:00 PM - 1:00 PM	LUNCH	
1:00 PM - 2:30 PM	Defending your Digital Assets Against Hackers, Crackers, Spies and Thieves Part I	Dr. Randy Nichols
2:30 PM - 3:15 PM	Break	
3:15 PM - 4:45 PM	Defending your Digital Assets Against Hackers, Crackers, Spies and Thieves Part II	Dr. Randy Nichols

TUESDAY JULY 25, 2000

Moderator

Rick Mills, DVM
2000 - 2001 AVI President

8:00 AM- 9:30 AM	NetVet and Internet Sites of Interest Part I	Dr. Ken Boschert
9:30 AM - 10:15 AM	Break	
10:15 AM - 11:45 AM	NetVet and Internet Sites of Interest Part II	Dr. Ken Boschert
12:00 PM - 1:00 PM	LUNCH	
1:00 PM - 1:45 PM	The Anatomy of a Computer	Dr. Dale Herman
1:45 PM - 2:30 PM	Making Those Bytes Fly on a Single System	Dr. Dale Herman
2:30 PM - 2:45 PM	BREAK	
2:45 PM - 3:30 PM	Take a Megabyte Out of Your Workload	Dr. Dale Herman
3:30 PM - 4:15 PM	Putting Those Bytes to Work for You	Dr. Dale Herman

PRODUCTS & REVIEWS

CD-Equis

From: Bcdoner@AOL.COM

We are presently working with a few universities in regards to IT. We have a product called CD-Equis that we introduced to the US market at the AAEP convention in Albuquerque in October. It is a complete clinical library for the equine practitioner on a CD-ROM. This electronic information resource is updated every 3 months by 61 US contributing doctors in each discipline. We would very much like to send you a complimentary copy of CD-Equis for your review in hopes that you may also find this an invaluable teaching tool for your students.

We understand that you are possibly planning some discussions at the AVMA Congress in July and would very much like to formally introduce you and your colleagues to our program and work with you in incorporating it in your university.

Please let me know if you have any interest.

Bonnie Doner
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bcdoner@aol.com

INTERNET RESOURCES

Images You Can Use

From: Cheryl Dhein <crd@vetmed.wsu.edu>

Washington State University announces an image database containing images that you can use for free in educational non profit projects including lectures or student projects.

<http://www.vetmed.wsu.edu/imagedb/>

The database currently contains about 2000 images in the public domain and is growing steadily.

We have a large feline image collection (~4000 images) from the estate of Dr Barb Stein. These images are of excellent quality and cover a wide range of subjects. At present about 500 of the ~4000 images have been entered into the database.

The images in this database are optimized for display on a 1024 x 768 monitor but can also be displayed optimized for a 640 x 480 display or can be resized as smaller images. For many of the images, an original slide is available which can be duplicated for a fee.

Our goal is to include a wide variety of animal related images in this database that can be used by students, staff and faculty at veterinary schools as well as by the general public (for example kids working on school or 4H projects) and by practicing veterinarians preparing talks for association meetings or animal owners.

We will accept any images that you would like to include as either slides which we will return to you or as digital files. We are storing a large digital file of each image of ~ 7 MB size at 72 dpi as an archival image as well as the smaller image which can be downloaded from the web site. You can chose to be acknowledged as the contributor of the image or may remain anonymous.

Please contact me if you have any questions or would like to contribute, whether you have a few images of your pet or a large collection.

Also please sign the guestbook when you visit the image database.

Cheryl R Dhein DVM MS, Diplomate ACVIM
Associate Professor, VCS

NEWS & COMMENTARY

The Right Medicine

In an initiative to spread up-to-date information to doctors and clinicians, the Johns Hopkins University School of Medicine in Baltimore is developing a Web-based portal to store cutting-edge medical data. The portal will feature information on new discoveries, practical advice such as whether a patient should be admitted to the hospital, and an interactive segment in which clinicians facing a difficult

situation can consult the experts in the hospital's infectious disease division. Once the portal is completed, Johns Hopkins hopes to enhance it by adding wireless capabilities. The wireless functionality is expected to condense the information even further, as well as provide greater convenience to users. Johns Hopkins predicts the portal will strengthen the relationship between researchers and clinicians. (Knowledge Management, June 2000)

MEETINGS & EDUCATIONAL OPPORTUNITIES

See the informatics section of NetVet for a more complete and current list of informatics-related activities at:

<http://netvet.wustl.edu/info.htm>

Remote Veterinary Ultrasound Continuing Education (advanced course)

August 19-20, 2000

14 hours C.E. credit
College of Veterinary Medicine; Auburn University;
Auburn, AL 36849-5528
Phone: 334/844-3699
Fax: 334/844-3697
E-mail: beardgb@vetmed.auburn.edu

Distance Learning in Medical Informatics Certificate Program

From: "William Hersh" <hersh@ohsu.edu>

The Division of Medical Informatics & Outcomes Research (DMIOR) at Oregon Health Sciences University (OHSU) is pleased to announce the launching of its distance learning Certificate in Medical Informatics Program. The DMIOR has been teaching two of its courses on-line during the current academic year and will be starting the certificate program in the fall of 2000.

The goal of this program is to provide an educational experience for individuals who seek to enhance their knowledge of the intersection of health care and information technology (IT). Society has a need for more individuals with knowledge and skills in IT generally, and this program provides this with a specific focus on health care.

The program can also serve as a jumping point for enrollment into the current on-campus Master of Science (MS) program. The on-campus MS program will continue as it currently operates, with the exception that students from the certificate program will be able to apply courses they have taken on-line towards the MS degree.

For more details on the program or instructions on how to apply, please visit the program Web site at:

<http://www.ohsu.edu/bicc-informatics/distance/>

At this site, you can fill out a form to be put on an email list that provides updates about the program. A demonstration version of the program's introductory course can be found at: <http://distance.ohsu.edu/>

The DMIOR is a national leader in medical informatics education programs. It already has extensive offerings, including a Master of Science (MS) degree program in operation since 1996, a postdoctoral fellowship program funded by the National Library of Medicine and Department of Veterans Affairs since 1992, and a two-day continuing medical education course for clinicians on using computers to solve clinical problems since 1995.

The certificate program will focus on all areas of medical informatics, including but not limited to electronic medical records, information retrieval, computer science, outcomes research, organizational behavior and management, and bioinformatics.

The program would be geared to meet the educational needs of two types of students: - The health care professional seeking additional training in information management and technology. - The non-health care professional seeking training in health information and technology.

The introductory course in the program will be offered in the summer quarter (June 21 - September 3, 2000), after which 3-4 courses

will be offered each academic quarter. If you are interested in taking the summer course, send email to informat@ohsu.edu. (Because the certificate program does not officially start until the fall, you will need to enroll as an OHSU non-degree student. This is a simple process, and you will not need to resubmit your transcript or the application fee when you apply to the certificate program.)

If you are interested in joining the program email list or applying, please fill out the form on the Web site at the above address.

For more information, contact:

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Email: hersh@ohsu.edu
Web: <http://www.ohsu.edu/bicc-informatics/>

SUGGESTED READING

Journal of the American Medical Informatics Association

<http://www.jamia.org/>

The American Medical Informatics Association is pleased to announce that the full text of the Journal of the American Medical Informatics Association is now available online.

Many readers in Europe and Asia may find faster access at the URL: <http://intl.jamia.org/>

The American Medical Informatics Association's bimonthly journal, Journal of the American Medical Informatics Association (JAMIA), presents peer-reviewed articles that assist physicians, informaticians, scientists, nurses, and other health care professionals develop and apply medical informatics to patient

care, teaching, research, and health care administration. JAMIA has rapidly established a reputation for presenting high-quality, cutting-edge information. Each issue contains state-of-the-art reviews, discussion forums, and invited editorials presented as brief reviews or full-length papers. A variety of formats accommodates work at all stages, from model formulation through definitive studies.

JAMIA online contains the full content of each issue of the journal, including all figures and tables, beginning with the January/February 1999 issue (Volume 6, Number 1). The full text is searchable by keyword, and the cited references include hyperlinks to Medline and to the online full text of many other frequently-cited journals. Abstract files are online beginning with the January/February 1994 issue (Volume 1, Number 1).

Each issue will be placed online approximately on the date it is mailed to subscribers; therefore the online site will be available prior to receipt of your paper copy. The March/April 2000 issue (Volume 7, Number 2) is the latest issue online. Online readers may want to sign up for the eTOC (electronic Table of Contents) service, which will deliver each new issue's table of contents via email. In addition, the tables of contents of upcoming issues will be placed online as "Planned Table of Contents for Future Issues." A planned table of contents is currently available for the May/June 2000 issue (Volume 7, Number 3).

The web site also provides access to information about the journal (such as Instructions to Authors, the Editorial Board, and subscription information and subscription ordering), as well as access to the Society web site.

There is currently a free trial period for access to JAMIA, which will be available until August 31, 2000. Subsequent to the free trial, access to the full-text of articles will be available by institutional license, which comes with all institutional subscriptions, or by individual subscription available to print subscribers or Society members. All other access (e.g., to Abstracts, eTOCs, searching, Instructions to Authors) will remain freely available.

We very much encourage you to sign the guestbook on your first visit to the site. This will take only a minute or two, and it will provide us with helpful information about who the online readers are and how they are connecting to the site. In addition, we would appreciate comments, critiques, questions, or suggestions from you; these can be sent via the Feedback button found on all pages of the site. Feedback from readers will help us decide what new features would be most valuable for the site and how well it is working for its readers.

The site is being produced in conjunction with Stanford University's HighWire Press, which also works with other medical and research journals, including Science and BMJ. You may find a list of online medical and research journals and their URLs at:

<http://highwire.stanford.edu>

<http://intl.highwire.org>

William W. Stead, M.D., Editor-in-Chief,
Journal of the American Medical Informatics
Association

John Sack, Director,
HighWire Press, Stanford University

CLOSING BITS

Webucation

Online education may be the next big thing. Education now competes with medical care as the biggest single industry in the U.S., and many people are beginning to invest in online universities and adult education. Established universities are looking to the Internet to widen their reach without having to expand their physical plants. Some investors think online education could benefit from good management practices and the application of multimedia techniques. Foreign students could benefit especially from online education, making higher education and technical training another U.S. export. UNext CEO Andrew M. Rosenfield

says developing nations need better educated and trained people, but they cannot afford the infrastructure or the teachers required. Education is not a commodity product, but it can still be profitable. Business education in particular will not necessarily have to compete on price, as Corpedia's Alexander Brigham points out; companies want prestige and are willing to pay for it. It is also easier to market to businesses than to consumers, and online education can be a powerful perk in the tight job market. Education is becoming a life-long activity for some, and the Internet is the most efficient means of delivering this product. (Forbes, 15 May 2000)