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Message from the Chair

Janet C. Weiss

The most hectic time in the SLA Division calendar is upon us—the pre-conference season. Our Program Chair, Laurie Scott, and our Chair Elect/Chair of Fund Development, John Tebo, and their respective committees have been working diligently to present an exciting mix of programs, events and vendor support. The result of their efforts will be another outstanding and informative conference for all of us.

For the second year, a Division reception is planned for Sunday evening immediately following the keynote address. As a new feature at the reception, we'll host a poster session, and, at press time, we have twelve entries for you to view. Please plan to attend this lively event where you can reconnect and mingle with friends, chat with our vendor sponsors, and nibble some hors d'oeuvres.

You say there's no such thing as a free lunch? Well, how about a free breakfast or even two? At the Contributed Papers and Breakfast you will hear from four Division members about their work. The session is entitled "Issues and Innovations in Biomedical and Life Sciences Librarianship." On Wednesday we'll hold an Open Board Meeting and Breakfast. You'll be able to sit in on the deliberations and discussions of the DBIO Board. If you want to become more active in the Division, this is your opportunity to speak up. Your input is welcome.

Another activity currently in high gear is the redesign of the Web site. Chaired by Public Relations Chair, Claudia Lascar, the committee selected a web designer to change the site's dynamics. By the time you read this, a new logo will have been chosen, and the designer should be preparing the mockups for display at the conference.

The DBIO program planners for the Seattle Conference will meet in Denver under the able leadership of Diane Schmidt. As always, I invite you to volunteer. If there are program ideas or new division activities that you can propose, please do. I hope to see you in June.

Denver Conference Preview

Laurie Scott, Chair, 2007 Conference Programming Committee

The 2007 conference in Denver is just around the corner! By now you will all have heard the exciting news that Al Gore will be the opening keynote speaker. The personal planner is now available online. Be sure to search by SLA Units to see all the programming for the Biomedical and Life Sciences Division.

Your planning committee has done a fabulous job in creating an exciting lineup of programming. In the last issue of *Biofeedback* I focused on programs for which we are the lead division. In this issue, I want to highlight the programs we are co-sponsoring with other divisions taking the lead. The full list of DBIO programs appears at the end of this section.

CO-SPONSORED CONTINUING EDUCATION COURSES:

Sunday, June 3

8:00AM-12:00PM

Pharmaco-Vigilance: Online Resources and Strategies for Monitoring Adverse Events

Co-sponsored with the Pharmaceutical and Health Technology Division

This course will provide practical examples of online strategies designed for systematic surveillance of the published literature, exploring terms and techniques that take advantage of special database indexing features to answer typical-and not so typical-adverse event inquiries. Government regulatory requirements will also be reviewed, along with applications and implications of free Web sources that compile product safety reports already submitted through official surveillance programs in Europe, Canada and the United States.

Instructor: Bonnie Snow, Director, Pharmaceutical Market Applications, Dialog

Sunday, June 3

8:00AM-12:00PM

Executive Decision Making: Things That Go Bump In The Night

Co-sponsored with the Military Librarians Division.

Executive decisions happen at the leadership level of an organization. Anyone can learn to think like a leader. This course will introduce the larger scope of executive decisions and why it is necessary to solve a library's biggest problems. Topics include understanding politics and influence, looking at the root causes of problems, typical "executive" mind issues, identifying library stakeholders and key decision makers. Simple tools to determine preferences and impacts of a decision will be shared.

Instructor: Pat Wagner, Pattern Research, Inc

Sunday, June 3

1:00PM-5:00PM

Systems Thinking and Risk Management: Tools for Information Professionals

Co-sponsored with the Leadership and Management Division.

Information and knowledge transfer professionals can play a key role in minimizing uninformed decision making that can result in risks to the organization and to their own services. Assessing the role of information services and how these services can be leveraged to identify, analyze and mitigate risk is a primary value that information professionals can bring to their organizations. Understanding the process for identifying or minimizing these risks and articulating them appropriately through the use of systems diagramming and other tools can help elevate the library professional to a strategic role in the organization and situate the information center's services as strategic tools.

Instructor: Lorri Zipperer, Zipperer Project Management

CO-SPONSORED NEWCOMERS' EVENT:

Sunday, June 3, 12:00PM-2:00PM

Science Divisions Newcomers' Luncheon

Co-sponsored with the Chemistry and Sci-Tech Divisions.

New members and first-timers. Come meet board members, new members and first-time attendees from the Chemistry, Science & Technology, and Biomedical & Life Sciences Divisions. Lunch is free, but reservations are required. Please contact Nancy Curtis, Membership Chair, Nancy_Curtis@umit.maine.edu if you wish to attend.

CO-SPONSORED PROGRAMS:

Monday, June 4

1:30PM-3:00PM

The Only Constant in Digital Services is Change

Co-sponsored with the Environment and Resource Management Division, and the Information Technology Division. Explore the latest developments in digital services and web technologies with an award-winning educator who has spent his career demystifying technology for information professionals. Help decide the focus of the presentation by participating in the pre-conference online discussion.

Speaker: Roy Tennant, California Digital Library

Tuesday, June 5

2:30PM-4:00PM

Designer Drugs? Biomarkers? Real Personalized Medicine

Co-sponsored with the Pharmaceutical and Health Technology Division

Cancer research has fueled insight into what happens as cancer attacks cells. Lymphomas, correctly profiled, respond better to certain therapies, and show fewer relapses than a standard. Are we coming closer to a time when drugs may be indicated for specific gene types? Insight like this could speed disease regression, and cause fewer adverse events. Let's discuss a move from "one size fits all" drug therapy to very individualized regimens. What does it mean for the patient? What does it mean for the business of medicine?

Speaker TBA.

COMPLETE LISTING OF DBIO SESSIONS:

SATURDAY, JUNE 2

Continuing Education Course

8:00 A.M.-5:00 P.M.

The PhD Experience: Graduate School in the Basic Biomedical Sciences.

Instructors: Dr. Michele Tennant and Dr. Kevin R. Messner

Meeting

5:30 P.M.-8:00 P.M.

DBIO Board of Directors Meeting.

SUNDAY, JUNE 3

Continuing Education Courses (See above with co-sponsored CE for descriptions.)

8:00AM-12:00PM

Pharmaco-Vigilance: Online Resources and Strategies for Monitoring Adverse Events

8:00AM-12:00PM

Executive Decision Making: Things That Go Bump In The Night

1:00PM-5:00PM

Systems Thinking and Risk Management: Tools for Information Professionals

Programs and Events

10:00 A.M.-11:30 A.M.

Vendor Networking Breakfast with presentations by Cold Spring Harbor Laboratory Press, CSA, Doody Enterprises, Inc. and Thomson Scientific. *Free* breakfast!

12:00 P.M.-2:00 P.M.

Science Divisions Newcomers' Luncheon

12:00 P.M.-2:00 P.M.

Past Chairs' Lunch

7:45 P.M.-9:30 P.M.

Biomedical and Life Sciences Division Reception and Poster Session

This is the first time the division has held a poster session. Come and enjoy some hors d'oeuvres and check out your colleagues' work.

MONDAY, JUNE 4

7:00 A.M.-8:30 A.M.

Current Issues in Biomedical and Life Sciences Librarianship. Contributed Papers & Breakfast. Breakfast is free!

11:30 A.M.-1:00 P.M.

First, Do No Harm. Information, Teamwork and Patient Safety. Medical Section program, followed by a brief business meeting.

Ticket number 585 Cost: \$10.00.

Speaker: Michael Leonard, MD, Kaiser Permanente

1:30 P.M.-3:00 P.M.

The Only Constant in Digital Services is Change (See above with co-sponsored sessions)

TUESDAY, JUNE 5

7:00 A.M.-8:30 A.M.

DBIO Annual Meeting and Breakfast

Ticket number 655. Cost: \$16.00

9:00 A.M.-10:30 A.M.

Mad Deer! Prions and Chronic Wasting Disease.

Speaker: Mike Miller, DVM, Colorado Division of Wildlife.

11:00 A.M.-12:30 P.M.

Co-existing with Wildlife: What's that Coyote Doing with my Cat?

Speakers: Stephen Vantassel, Project Coordinator, Internet Ctr for Wildlife Damage Mgmt, Univ. of Nebraska; Dr. Stewart Breck, Research Wildlife Biologist, USDA National Wildlife Research Center; Dr. Kenneth Logan, Wildlife Researcher, Colorado Division of Wildlife.

2:30 P.M.-4:00 P.M.

Designer Drugs (See above with co-sponsored sessions)

WEDNESDAY, JUNE 6

7:00 A.M.-8:30 A.M.

Open Board of Directors Meeting and Breakfast

All division members are welcome to attend. Free breakfast!

11:00 A.M.-12:30 P.M.

Future Shock! Libraries for Next-Gen Science and Scientists: Academic Sci-Tech librarians' roundtable. A boxed lunch will be provided.

Ticket number: 840. Cost: \$10.00

1:00 P.M.-2:30 P.M.

Living the High Life: High Altitude Medicine.

Speaker: Benjamin Honigman MD, Director, CCAMP (Colorado Center for Altitude Medicine and Physiology).

THURSDAY, JUNE 7

8:30 A.M.-12:00 P.M.

Tour of the Denver Museum of Nature and Science.

You won't want to miss this chance for a behind the scenes tour of this fabulous museum. Note that tours are booked separately from registration. Go to:

<http://www.sla.org/content/Events/conference/ac2007/registration/tours.cfm>

Looking forward to catching up with all of you in Denver!

2007 Fund Development Report

John Tebo, Chair, Fund Development Committee

The 2007 Fund Development Committee (Nancy Curtis, Nancy Dickenson, Peggy Jones, Linda Maddux, Diane Schmidt, Mindy Thuna, Janet Weiss, Laurie Scott, and John Tebo, Chair) has been busy this year in securing vendor support for the 2007 Annual Conference in Denver. We are still negotiating with several vendors, but we would like to give our heartfelt thanks to the companies who have committed their support so far.

American Chemical Society, Publications Division: Programs Sponsored: *Executive Board Meeting and Open Board Meeting*

Annual Reviews: Program Sponsored: *Future Shock! Librarians for Next-Gen Science and Scientists- Academic Sci-Tech Librarians' Roundtable and Box Lunch*

CISTI- National Research Council of Canada: Rental of LCD projector for a session entitled "Living the High Life" which deals with high altitude medicine and biology

Cold Spring Harbor Laboratory Press: Program Sponsored: *Vendor Networking Breakfast*

CSA: Program Sponsored: *Vendor Networking Breakfast*

Doody Enterprises: Program Sponsored: *Vendor Networking Breakfast*

EBSCO Information Services: Program Sponsored: *Living the High Life: High Altitude Medicine,*

Elsevier: Program Sponsored: *Annual Business Meeting*

Future Science Group: Program Sponsored: *Designer Drugs*

JAMA & Archives Journals: American Medical Association: Program Sponsored: SLA Biomedical Division Member Reception and Poster Session

Matthews Medical Books: Program Sponsored: *First Do No Harm. Information, teamwork and patient safety*

Nature Publishing Group: Program Sponsored: *Division Reception and Poster Session*

New England Journal of Medicine: Program Sponsored: *Past Chairs Luncheon*

Portland Press Ltd.: Program Sponsored: *Current Issues in Biomedical and Life Sciences Librarianship: Contributed Papers & Breakfast*

Springer: Program Sponsored: *Future Shock! Librarians for Next-Gen Science and Scientists- Academic Sci-Tech Librarians' Roundtable and Box Lunch*

Swets: Program Sponsored: SLA Biomedical Division Member Reception and Poster Session

Thomson Scientific: Programs Sponsored: *Division Reception and Poster Session and Vendor Networking Breakfast*

Wiley: To be determined

Wolters Kluwer Health-OVID: Program Sponsored: *First Do No Harm. Information, teamwork and patient safety*

IAMSLIC Liaison Report

Jean Crampon, Liaison to IAMSLIC

The CYAMUS Annual Conference (March 21-24, 2007 at Cabrillo Marine Aquarium, San Pedro, CA) was an interesting and fun blend of practical sharing sessions, scientific presentations, and field trips. CYAMUS is the IAMSLIC Regional Group that spans Alaska to Mexico and out to Hawaii. The group is large geographically, but small enough in attendance that they often have a round table of the new things at each institution. It is one of my favorite sessions. The attendees came from British Colombia to Sinaloa, Mexico, and from small labs and from large universities. Many of the issues were applicable to us all. We talked about reorganizations, design of library spaces, including physical accessibility of library space (federal law issues), web design, gray literature, government information, RSS feeds, instant messaging for reference support, and open source. If these seem like issues from a major library conference, you are right. This microcosm of colleagues is one of my best sources for what is new in libraries. With a small group it was easy to follow up with questions to the people who were trying new things.

On the scientific side we had a speaker on “Harmful Algal Blooms (HAB).” We learned that they come in a variety of colors; live on all coasts, including freshwater; and vary in levels of toxicity. Some of them the shellfish will not eat (so they die, but this does not go up the food chain); some are noxious, but not toxic; some affect the liver (hepatotoxic); others affect the nervous system. I expanded my knowledge and have a deeper respect and concern for this phenomenon. There is an increased incidence of HAB noted, due to both higher levels of nutrients in the water as well as more reporting of events. Is this related to global change? All the answers are not in yet, but it does seem likely. For additional information check out <http://www.who.edu/redtide/index.html>.

The field trips combined science with fun as we visited a salt marsh ecosystem; took a tidepool walk; went behind the scenes at the Aquarium, and attended the midnight grunion run. For more information about the Aquarium, their site is <http://www.cabrilloaq.org/>. A final field trip at the end of the conference was a whale watching tour along with docents from the Aquarium and the American Cetacean Society. We saw three gray whales spout, arch their backs, and fluke.

More information will be posted to the website as it is available. See <http://www.cabrilloaq.org/cyamusindex.html>.

Upcoming meeting opportunities:

The European Association of Aquatic Sciences Libraries and Information Centres (EURASLIC) will hold its 12th Biennial Conference May 2-4 in Karadag, Crimea, Ukraine. The theme is “From Treasures of the Seas to Treasures of the Libraries.” EURASLIC is both an independent organization and a Regional Group of IAMSILIC. It is a very active group, and their conferences are a great opportunity for international networking. Members of the Chapter include all of the European Union. For more information, including how to register, go to <http://library.ibss.org.ua/>. In addition to those of you in Europe, they would love to have some attendees from “across the pond.”

The African Regional Group, AFRIAMSILIC, will be hosting their 3rd Conference in Lilongwe, Malawi from the 4th-6th of September, 2007. For more information, see their Web site at: www.bunda.unima.mw/announcements.htm

SAIL, the regional group that includes the Atlantic Coast of North America and the Caribbean, is joint sponsor of the IAMSILIC Annual Conference to be held in Sarasota, Florida, Oct. 7-11, 2007. The theme is “IAMSILIC: Changes on the Horizon.” For more information, see the website at <http://www.iamslic.org/index.php?section=150>.

ASIST Liaison Report

Louisa Worthington Rogers, Liaison to ASIST

The ASIST Annual Meeting took place from 5-9 November, 2006. There were many talks of interest to the biomedical library community, including e-health, electronic medical records, and data repositories. Since I was unable to attend at the last minute due to illness, and there was not time to find another person on short notice, I have prepared this article from the proceedings of the meeting. Most presenters did not have full papers for the panel sessions, but provided abstracts, slides, or notes.

E-HealthSmart: Designing personalized e-technology to reduce health disparities on urban adult populations (poster session), Du, Yunfei et al Wayne State University, Detroit, MI 48202 yunfei@wayne.edu

This interdisciplinary study (information science, nursing, business, engineering, and gerontology) focuses on the design and development of personalized eHealthSmart®, an information system specific to smoking cessation, health diet, and exercise. In designing and developing eHealthSmart®, the authors adopted theoretical frameworks of Kolb Learning-Style Inventory and Davis Technology Acceptance Model. It is clear from the pilot test that urban older adults are willing to participate in educational programs that use personalized e-Health programs.

Health information seeking in the e-health era: evidence of the NCI's health information national trends survey (HINTS), Lustria, M. et al, Florida State University, College of Information, MLustria@admin.fsu.edu

This paper discusses eHealth, the emerging field in the intersection of medical information, public health, and business. This refers to health services and information enhanced through the Internet and related technologies. The paper discusses health-seeking behaviors, in particular in relation to cancer-related information. It presents data from the Health Information National Trends Survey (HINTS).

Information Retrieval in Medicine: The Electronic Medical Record as a New Domain, Smith, Catherine A., School of Library and Information Studies, University of Wisconsin, casmith24@wisc.edu

This paper begins with the premise that information science has much to contribute to the health information technology arena and to electronic health records (EHR), in particular their improvement to serve the needs of diverse users. A search was performed for citations to the Journal of ASIST (JASIST) in the Library and Information Science and Technology Abstracts (LISTA) from 1970-January 2006. Citations were selected that were indexed with subject descriptors "medicine" or "health" or included these keywords in their titles or abstracts. LISTA descriptors for the 130 citations retrieved were mapped to MeSH terms. Only two of these articles focused on the author's idea that the medical record deserves consideration as a document base for information retrieval research.

Achieving cross-species knowledge integration with model organism databases and the Gene Ontology

John MacMullen, School of Library and Information Science, University of North Carolina, macmw@ils.unc.edu

Genetic and genomic data is frequently archived with supporting annotations in vertical repositories that are based on an organism or a disease type. Modern biomedical research is also often performed on a large scale, with multidisciplinary collaborators. In addition to information overload, a major challenge facing biomedical research is the integration of related data, information and knowledge across these boundaries.

The Model Organism Database (MOD) community is addressing this challenge in part through the use of a common annotation vocabulary: the Gene Ontology project. Through the Annotation of Structured Data project at UNC-SILS, they have been investigating annotation as a strategy for information and knowledge management across a wide spectrum of disciplines, including biomedical research. Their focus in that area is on the quantification and representation of annotation relationships within and across MODs, and the investigation of human facets of the curatorial process that could assist in the development of improved systems for data management and discovery support.

The author wants to know what we can learn from the work practices of both curators of biological data repositories and their scientist end-users that might drive the development of information tools and systems.

MLA Liaison Report

Michele Tennant, Liaison to the Medical Library Association

Registration is still ongoing for the MLA Annual Conference to be held in Philadelphia May 18-23. See <http://www.mlanet.org/am/index.html> for more information.

MLA has named its 2007 grant and award recipients. Honorees include some DBIO and Medical Section members. See http://www.mlanet.org/awards/awards_2007.html for the entire list. It is not too early to start thinking of people to nominate for 2008 awards—deadline is November 1, 2007. Application deadline for most grants and scholarships is December 1, 2007. See <http://www.mlanet.org/awards/grants/index.html> for deadline exceptions.



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Book Reviews

Medication Errors, 2nd ed.

Cohen M. R., ed.

Washington, DC: American Pharmaceutical Association; 2006.

Reviewed by Lorri Zipperer

Back in 1975 Michael Cohen began his journey to help ensure the safe delivery of medications in health care. He has since then been recognized as an expert and leader in medication safety. An author/editor could not be more credible in this area. He is the founder of the Institute for Safe Medication Practices (Huntingdon Valley, PA) and the topics covered in *Medication Errors, 2nd Edition* are infused with the data collected and knowledge disseminated by that organization.

As an editor, Cohen has assembled many of the leaders in medication safety to share their knowledge in this publication. The chapters here present a comprehensive review of the complex issues involved in managing the safety of medication delivery. Look-alike, sound-alike drug names, packaging and labeling confusions and specific discussions of high-alert medications and high-risk areas such as chemotherapy and pediatric care issues provide insight into the complexity of eliminating medication mistakes. Human factors, safety cultures, system redesign and teamwork issues are also discussed to place the challenges in the context of viewing change through a systems perspective. Cohen contributes to many of these chapters as an author, importantly covering the issue of patient involvement as partners in their own safe care.

Medication Errors 2nd Edition is appropriately illustrated, richly referenced, and deeply indexed. It should serve as a core publication for any hospital library and should sit on any healthcare practitioner's and patient safety advocate's bookshelf 'accompanying such other titles as the Institute of Medicine's triumvirate of reports energizing improvements in patient safety on patient safety reading lists.¹⁻³

The book would benefit from a chapter specific to the unique ambulatory, homecare, nursing home and physician practice characteristics that lead to failure and less-than-optimal medication delivery in those environments.. Alas, there is also no mention of the role of medical librarianship in the quest to make medication delivery safer. Given that this book was in process for some time, and our profession has yet to illustrate our impact through research and pointed work in the field of medication safety, perhaps this omission can serve as a "call to action" for us to become more engaged and innovative with regards to this issue so that our efforts will be noted in the 3rd edition of this important text.

References

1. Kohn L, Corrigan J, Donaldson M, eds. *To Err Is Human: Building a Safer Health System*. Washington, DC: Committee on Quality of Health Care in America, Institute of Medicine. National Academy Press; 2000.
2. Committee on Quality of Health Care in America, Institute of Medicine. *Crossing the Quality Chasm: A New Health System for the 21st Century*. Washington, DC: National Academy Press; 2001.
3. Committee on Identifying and Preventing Medication Errors, Aspden P, Wolcott J, Bootman JL, Cronenwett LR, eds. *Preventing Medication Errors: Quality Chasm Series*. Washington, DC: The National Academies Press; 2007.

Disclaimer: The reviewer has worked with the Institute for Safe Medication Practices on a variety of projects.

The Atlas of Climate Change: Mapping the World's Greatest Challenge

By Kirstin Dow and Thomas E. Downing

Berkeley: University of California Press, 2006.

Reviewed by Elizabeth Winiarz

At first glance this book resembles a high school level encyclopedia that would be useful for preparation of a science project on weather. But no! Don't let the compact size (just under 8x10) and colorful graphics of this paperback volume fool you. It is packed with current data, well designed tables and a useful glossary. This is the ideal book for the visual learner. Each chapter begins with a one-page text introduction. The rest of the chapter is a colorful presentation of data in tables, maps, pie charts and bar graphs superimposed on photographs. Photographs are also cleverly integrated into graphical text boxes.

The authors, an associate professor of geography at the University of South Carolina and a director of the Stockholm Environment Institute at the University of Oxford, present climate change in a convincing series of chapters. They begin with signs of change, including comparisons of average temperature in Antarctica from 1950-2000; size of the Greenland ice cap from 1979-2004, and examples of extremes of weather worldwide from 1960-2005.

Chapter 2 presents an explanation and evidence of the greenhouse effect, the climate system, including the ocean conveyor belt and atmospheric circulation, and then observations of climate over the past millennium with projections for future climate change. Chapter 3 tackles emissions by country and by source. The reader is exposed to the concept of G8 nations and emissions resulting from industry, transportation and agriculture. Chapter 4 introduces the consequences of climate change. These include disrupted ecosystems and loss of species, threatened water supplies, food safety, rising sea levels and cultural losses. Similar topics appear more frequently now on the national news—images of polar bears seeking ice, flooding in Venice, lack of snow in the mountains. Chapter 5 delves into the politics, economics and commitment to reduce emissions. The Kyoto Protocol and trading carbon credits are discussed, as well as the organizations involved in negotiating sensitive agreements. Renewable and sustainable energy sources are included here. The 6th chapter extends an invitation to individuals to help reduce emissions and combat climate change. It suggests that people buy local produce to reduce the distance food must be transported, take the one-tonne challenge at www.climatechange.gc.ca, access an emissions calculator, recycle, carpool, and become carbon neutral.

The final section consists of an 8-page table cumulating statistics on population, emissions of methane, carbon dioxide, carbon intensity (tons of carbon dioxide per \$1,000 GDP), weather related disasters, coastal population, GNI per capita, water withdrawn and the human development index rating for each of 192 countries. The bibliography includes mostly Web sites from respected governmental and international organizations, in addition to more traditional references to journal publications and reports.

This book could find a home in a reference collection, but it would also be very interesting to sit down and read from cover to cover. I highly recommend it.

Mammals of South America

By Rexford D. Lord

Baltimore: John Hopkins University Press, 2007

Reviewed by Roger Beckman

The author is an adjunct professor at Indiana University of Pennsylvania and a retired scientific consultant-ecologist for the United Nations' Pan American Health Organization. He has 40 years of experience in ecology and mammalogy in South America.

The book begins with an introduction to the biogeography of the area and points to some of the reasons for the great diversity of mammal species in South America, around 20% of all the continents. What follows are 13 sections or chapters with sketches of animals from the 15 orders of South American mammals. The dust jacket describes this book pretty well as a "vivid snapshot." There are no range maps, and it isn't a work where one can find a description of particular species with pertinent information brought together in a condensed form. It more of a distillation of fascinating observations that the author has learned from his long experience in this area and presents to us to gain an understanding of organisms the author undoubtedly loves. Peccaries, one of my favorites, get about 2 ½ pages in a chapter on the even-toes ungulates. We learn that peccaries in arid regions grow extremely large kidneys, two species range into the United States, and some of the early European explorers thought that the sweat gland on their rumps was actually their navel. Later in this chapter we learn that llamas don't have humps like Old World camelids, but that they share a trait of spitting with great accuracy and that the material ejected comes in part from the rumen. That's why it leaves a burning sensation.

It is apparent that the author has a fascination for bats. This is one of the longest sections (second place goes to the rodents) and includes 77 close-up photos of bat faces. The portraits help reveal their differences and similarities. The photos are very nice, are all in color, and were taken mostly by the author. A couple photos that fascinated me were of armadillo species that were curled up into protective balls about the size of small cantaloupes. About a quarter of the book is devoted to a species distribution table that lists the species in taxonomic order with an indication of the country in which they are found and whether introduced or extirpated. There are almost three pages of references and an index of scientific and common names.

If one were looking for a work to put in the reference section, *Walker's Mammals of the World* (1) or *Grzimek's Animal Life Encyclopedia* (2) would be better choices. This is a work that should appeal to the undergraduate who wants to learn about a group of fascinating creatures and gain some understanding of the basic taxonomic, behavioral and ecological relationships of South American mammals.

1. Nowak, Ronald M. 1999. *Walker's Mammals of the World*. Baltimore: Johns Hopkins University Press.
2. Grzimek, Bernhard. 2003-2004. *Grzimek's Animal Life Encyclopedia*. 2nd ed. Detroit: Gale.

The Making of the Fittest: DNA and the Ultimate Forensic Record of Evolution

by Sean B. Carroll

New York : W.W. Norton & Co., 2006

Reviewed by Dorothy Barr

Sean Carroll, professor of genetics at the University of Wisconsin–Madison, has written on evolution before (*Endless Forms Most Beautiful*). This new book, written for general readers, focuses on how DNA reveals the process of natural selection. If that sounds rather dull, Carroll manages to make it actually seem quite exciting.

One of the avowed purposes of the book is to present strong evidence to prove the case for evolution as confirmed by DNA. The book is carefully structured, with the main body described as a six course meal served in six chapters. Carroll often sounds very much like a lecturer, but this helps keep the book highly organized.

Carroll begins with the remarkable icefish, a creature that lives in the Antarctic and has no red blood cells. He traces its loss of hemoglobin as revealed in its DNA. Lack of red blood cells means that the fish's blood is thinner and can be pumped more easily in the very cold conditions where it lives. This allows it to survive where other fish cannot, and thus gives it a selective advantage. Yet icefish have a fossilized hemoglobin gene in their DNA, so they clearly started out like other fish and adapted over time. It's this sort of DNA evidence that Carroll uses throughout the book.

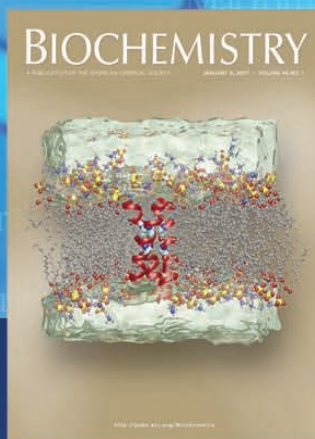
In addition to fossilized genes, there are “immortal” genes that have been conserved for two billion years or more, providing evidence for the common ancestry of all living species. Carroll also discusses how species acquire new traits, using the evolution of color vision as one example. A later chapter covers convergent evolution at the gene level. When species have independently gained or lost similar traits, this is reflected in the genes.

Carroll scatters cogent examples to prove his case throughout the book. Some are familiar (e.g., the sickle-shaped blood cells that can cause sickle-cell anemia but that give a survival advantage to those who carry only one of the genes) and others are new, at least to me (e.g., the development of full color vision in howler monkeys and its relationship to leaf-feeding and diminution of the olfactory sense). These examples are always interesting and instructive.

Overall, I found *The Making of the Fittest* very clear and readable (even a chapter emphasizing the mathematics of evolution), and am happy to have added it to my personal library.

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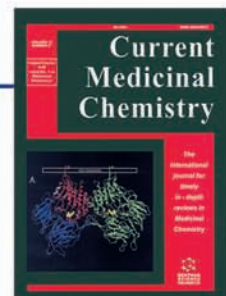
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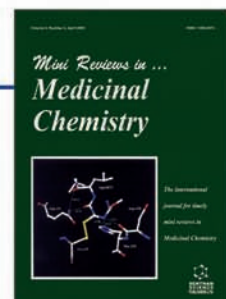
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Member News and Publications

Kudos

(A column featuring and honoring our colleagues in the
SLA Biomedical and Life Sciences Division)

Claudia Lascar, Public Relations Committee Chair

It is with great pleasure that we announce the Awards, Achievements, Announcements, and Accolades of our member: ***Michele R. Tennant***.

Michele R. Tennant, the Bioinformatics Librarian, Health Science Center Libraries and Genetics Institute, University of Florida–Gainesville, has won two 2007 fellowships from the Medical Library Association.

The first fellowship is the David A. Kronick Traveling Fellowship. This grant, established in 2002, awards each year one \$2,000 fellowship to cover the expenses involved in traveling to three or more medical libraries in the United States or Canada for the purpose of studying a specific aspect of health information management. For the fellowship Michele will explore library-based models for bioinformatics programs by visiting Vanderbilt, Harvard, Pittsburgh and Washington University medical libraries.

The second fellowship is the Lindberg Research Fellowship, an award of up to \$25,000. The purpose of this fellowship is to fund research aimed at expanding the research knowledge base, linking the information services provided by librarians to improved health care and advances in biomedical research. For the fellowship she plans to “explore the bioinformatics information seeking skills and information needs of a diverse set of biomedical and biological researchers, students and instructors through online assessment, focus groups and observation of search paths.”

We congratulate Michele for these achievements and for being an outstanding role model for all of us.

New Members

Nancy R Curtis, Membership Committee Chair

Hello, fellow DBIO members! At the end of February, there were 804 members in our Division. I'd like to thank Irene Laursen, who previously chaired this committee, for her contributions to this column.

Welcome to the DBIO members who have joined (or rejoined) us between December 2006 and February 2007:

Belinda C. Andry, American College Of Surgeons
Dana E. Antonucci-Durgan, Chemistry Library, Stony Brook University
Maria Astifidis, Beth Israel Medical Center, New York
Margaret M. Bandy, Exempla Saint Joseph Hospital, Denver, Colorado
Paul W. Benne, Warburg Pincus
Michael P. Breninford, Los Angeles, California
Marian Burright, McKeldin Library, University of Maryland
Cunera M. Buys, Boas Mathematics Library, Northwestern University

Eileen P. Chandhoke, George Mason University
 Loretta Chien, San Francisco, California
 Leslie A. Christensen, St. Mary's Hospital, Madison, Wisconsin
 Louise Collins, Attleboro, Massachusetts
 Susan A. Fill, Andover, New Jersey
 Kathleen A. C. Fleming, Science & Engineering Library, Wayne State University
 Susan A. Fowler, St. Louis Children's Hospital
 Michel Gauthier, Canada Institute for Scientific and Technical Information
 Mary A. Gilligan, Jones Day
 Ann Glusker, Seattle, Washington
 Thomas P. Harrod, Chemistry Library, University of Maryland
 Kim M. Herzig, Becton Dickinson
 Laura Hickerson, Carbondale, Colorado
 Eleanor C. Hing Fay, Philadelphia, Pennsylvania
 Janice M. Hoobler, California Pacific Medical Center, San Francisco, California
 Emily P. Huston, New Smyrna Beach Regional Library, New Smyrna, Florida
 BrieAnne Artz, Gibsonia, Pennsylvania
 Patricia Avendano, Halifax, Nova Scotia
 Carol Bodas, Salk Institute Library
 Anne Conner, Littleton Regional Hospital, Littleton, New Hampshire
 Shery D'Agrella, New York, New York
 Amber Draksler, Library and Information Science, University of South Florida
 Heather Everett, Norman, Oklahoma
 Saskia Farber, Maryland Heights, Missouri
 Bethany Fisher, University Advancement, University of Denver
 Kent Gerber, Baltimore, Maryland
 Mindy Hecker, The American Occupational Therapy Foundation
 Emily Hurst, Carrboro, North Carolina
 Pearl Jacobson, Toronto, Ontario
 Danielle Jacques, Canadian Agriculture Library
 Teresa Jimenez, Hoffman Estates, Illinois
 Carolyn Klatt, Maguire Medical Library, Florida State University
 Gillian Kumagai, Stanford Health Library
 Jennifer Lange-Pomes, Library Associates
 Andres Lewis, Kutztown, Pennsylvania
 Fred Lohrer, Archbold Biological Station
 Jacqueline Luizzi, Free Library of Northampton Township, Richboro, Pennsylvania
 Joan Lussky, School of Library and Information Science, Catholic University of America
 Kaye Moore, Western Career College
 Paul Nash, HCPro, Inc.
 Rebecca Overall, Canadian Health Services Research Foundation
 Rebecca Pappert, Young Science Library, Smith College
 Eric Pepper, SPIE Press
 Stacey Piesner, Toronto, Ontario
 Kristina Reschke, Silver Spring, Maryland
 Constantine Scionti, Rockland, Massachusetts
 Kim Staley, Minneapolis, Minnesota
 Michelle Tallin, Crimson Canary
 Christine Varnam, Saskatoon, Saskatchewan

New Member Profile

Tom Harrod writes:

“I was born and raised in the suburbs of Chicago and I received my bachelor's degree from Northern Illinois University where I majored in biology with a minor in chemistry. After that, I got my master's degree from the

University of Alabama at Birmingham in basic health sciences, and while there I did research in an immunology lab for several years. Last December I received my master's degree in library and information sciences from the University of Illinois, and I am now employed as a reference librarian at the White Memorial Chemistry Library at the University of Maryland at College Park.

Member Publications

Compiled by Claudia Lascar, Public Relations Committee Chair

January 2007-March 2007

Duggar, D. C. "The Children's Resource Center: A Carnegie Library Gets an Extreme Makeover. (Buildings Column) *Louisiana Libraries*, 69(3): 17-20.

Mandernach, M. 2007. "Atmospheric Chemistry." In L.G. Ackerson (Ed.) *Literature Search Strategies for Interdisciplinary Research: A Sourcebook for Scientists and Engineers*. Lanham, MD: Scarecrow Press, p. 67-74.

McKnight, M. 2007. "A Grounded Theory Model of On-duty Critical Care Nurses' Information Behavior: The Patient-Chart Cycle of Informative Interactions." *Journal of Documentation* 63(1): 57-73.

Stimson, N.F. and W.Y. Nobunaga. 2007. "John H. Hickcox's Confession: An Addendum." *Government Information Quarterly* 24(1): 216-217.

Weaver, B.A. 2007. "Caring Across Borders: Researching Animal Welfare Issues in North America." Paper presented at 2007 FORO (Transborder Library Forum), Arizona State University, Tempe, AZ. Feb. 22.

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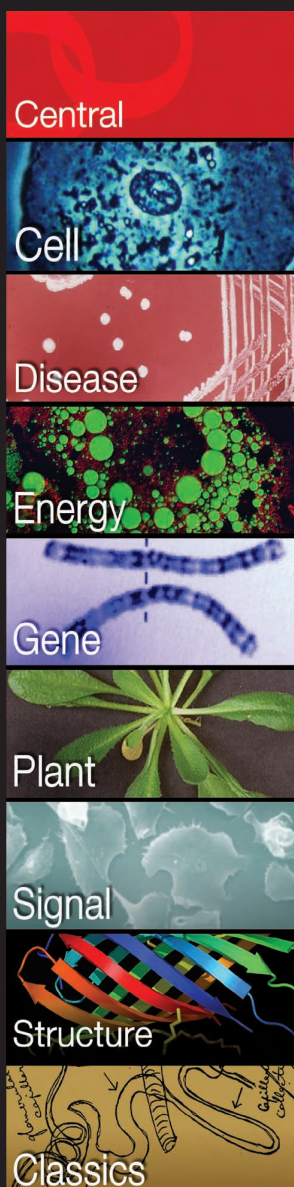
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For a complete list of current board and committee members, see the Division Web site at : <http://units.sla.org/division/dbio/people/>

Biofeedback

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Editor: Susan K. Kendall, Michigan State University Libraries, 100 Library,
East Lansing, MI 48824-1048; (517) 432-6123 x127; skendall@msu.edu

Associate Editor: Buzz Haughton, 100 N. West Quad, Davis, CA 95616-5292;
(530) 754-5705; bxhaughton@ucdavis.edu